



GX 480/710
GX 480 DT/710 DT
GX 480 APC/480 DT APC
COMPACT VERTICAL MACHINING CENTER

PARTS LIST
零件清冊

GX 000950480J

Issue : B
Mar, 2008

漢廷股份有限公司
Hardinge Taiwan Precision Machinery Ltd.



GX 480/ 710/ 480 DT/710 DT
GX 480 APC/480 DT APC

PARTS LIST 零件清冊

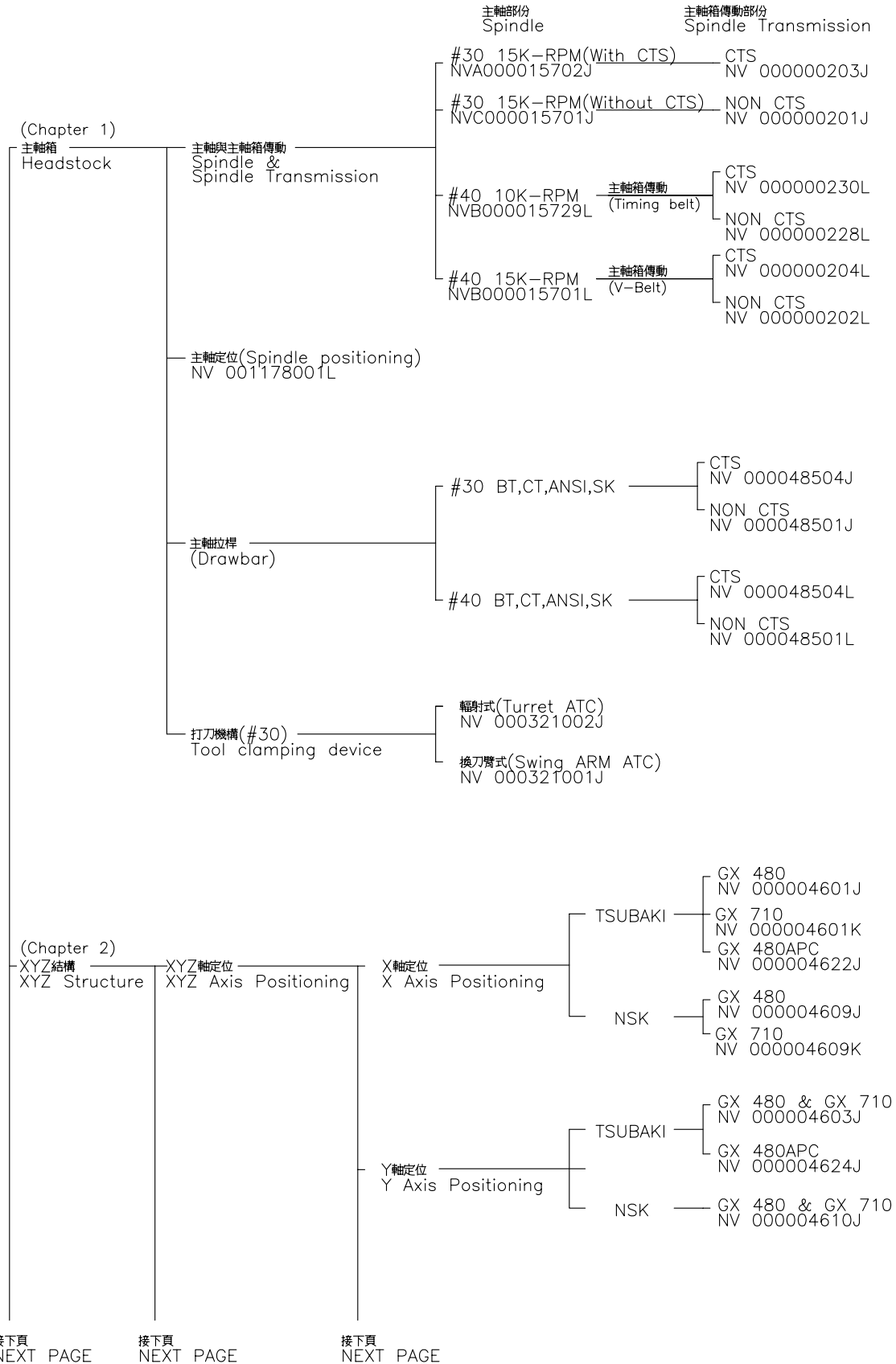
GX 000950480J, Isu-B

GX 480/710(APC) Parts List

圖示說明 Illustrations

1 ——— [B 表示由B,C中僅選擇其一
C Indicates choose one only

2 ——— [B 表示由B與C都要選
C Indicates B+C



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Z軸定位
Z Axis Positioning

#30

TSUBAKI

Turret ATC
NV 000004701J
Swiming ARM ATC
NV 000004701JA

NSK

Turret ATC
NV 000004705J
Swiming ARM ATC
NV 000004705JA

#40

TSUBAKI
NV 000004701L
NSK
NV 000004701LA

XYZ軸傳動
XYZ Axis
Transmission

X軸傳動
X Axis
Transmission

GX 480
NV 000004602J
GX 710
NV 000004602K
GX 480APC
NV 000004623J

Y軸傳動
Y Axis
Transmission

GX 480 & GX 710 & GX 480APC
NV 000004604J

Z軸傳動
Z Axis
Transmission

#30 (GX 480 & GX 710 & GX 480APC)
NV 000004702J
#40 (GX 480 & GX 710 & GX 480APC)
NV 000004702L

XYZ軸伸縮護蓋
XYZ Axis
Telescopic

X軸伸縮護蓋
X Axis
Telescopic

GX 480
NV 000004605J
GX 710
NV 000004605K
GX 480APC
NV 000004625J

Y軸伸縮護蓋
Y Axis
Telescopic

NV 000004606J

Z軸伸縮護蓋
Z Axis
Telescopic

#30 [Turret ATC
NV 000004703J
Swiming ARM ATC
NV 000004703JA]
#40 [Standard
NV 000004703L
GX 480APC
NV 000004706L]

XYZ潤滑系統
Lubrication
System

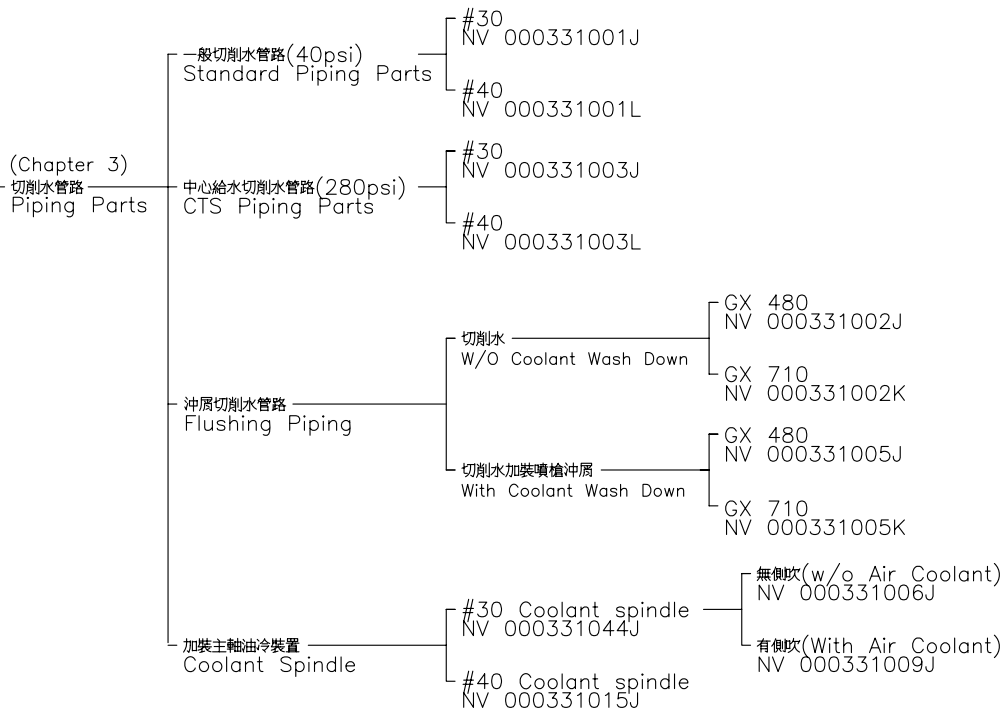
XY Axis
NV 000004607J

Z Axis

#30
NV 000004704J
#40
NV 000004704L

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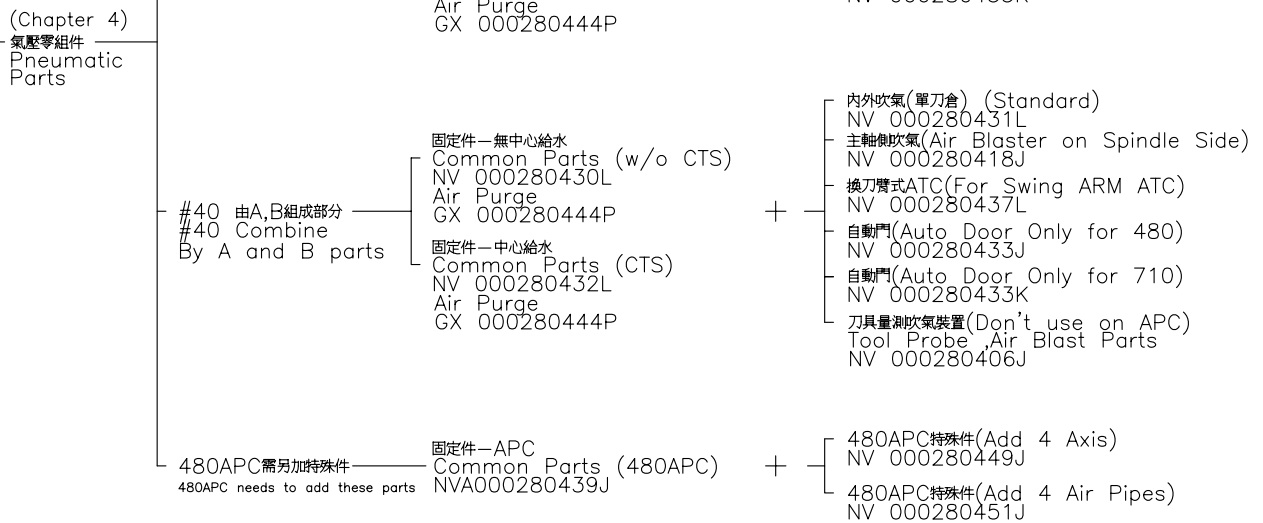


A部分(單選)

A parts(Can select only one)

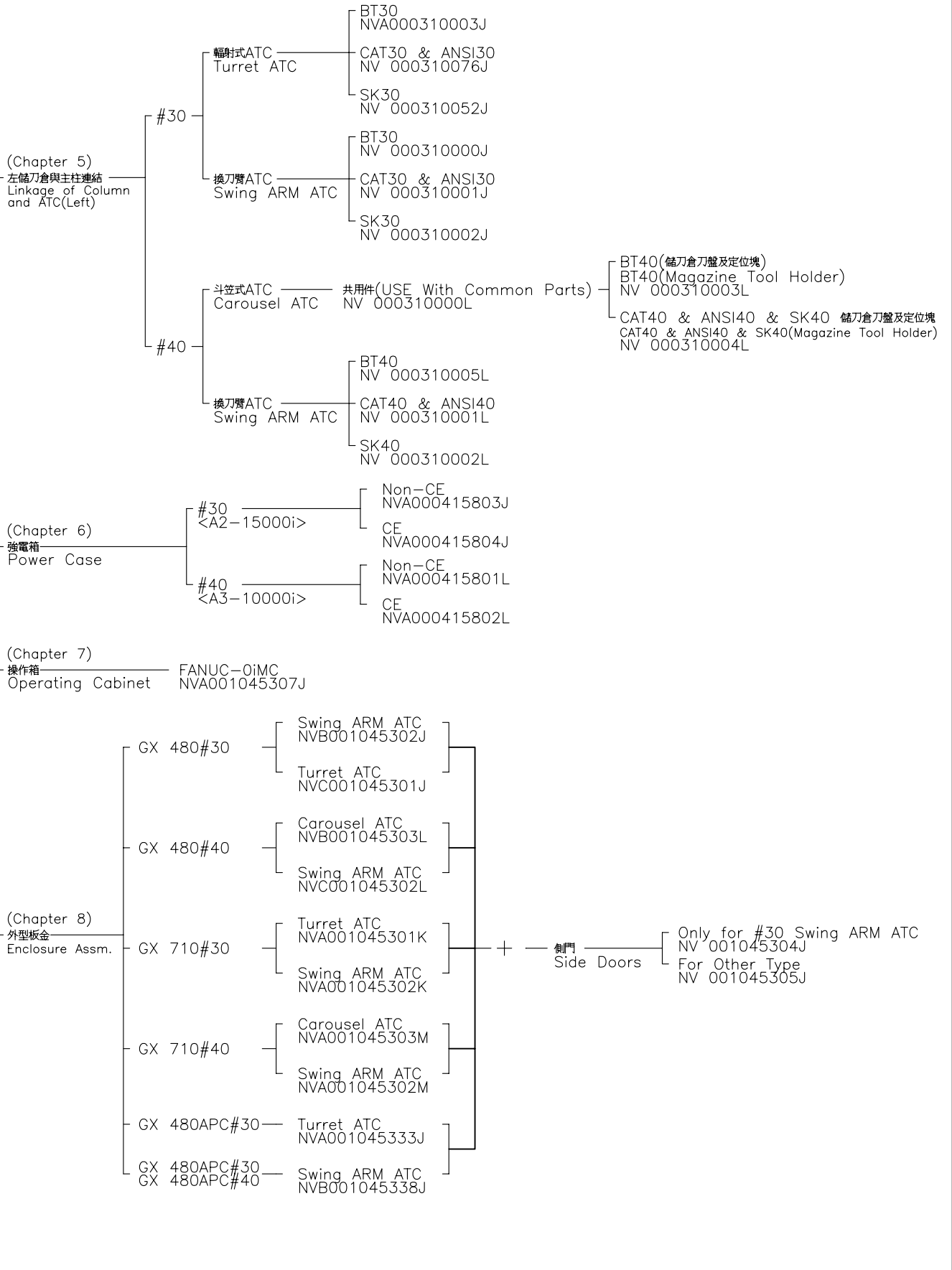
B部分(可複選)

B parts(Can select more than one)



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(Chapter 9)
切削水箱
Coolant Tank

- 切削水箱+集屑桶
Coolant Tank & Chip Bucket NVB000331504J
- 切削水箱+鏈板式除屑機
Coolant Tank & Chain Type Chip Conveyor NV 000331506J
- 切削水箱+螺旋式除屑機
Coolant Tank & Auger Type Chip Conveyor NVA000331510J

(Chapter 10)
銘牌位置圖
Button Up

- Standard #30/#40
 - 英文(English)
NV 0001111102J
 - CE
NV 0001111102JS
 - 中文(Chinese)
NV 0001111102JC
- GX 480APC#30/#40
 - 英文(English)
NVA0001111129J
 - CE
NVA0001111129JS
 - 中文(Chinese)
NVA0001111129JC

(Chapter 11)
運輸用固定零件
Shipping Parts

- GX 480/710#30
NV 001045306J
- GX 480/710#40
NV 001045306L
- GX 480#30APC
NV 001045346J
- GX 480#40APC
NV 001045346L

(Chapter 12)
油壓單元
HPU

- Only for GX 480APC
NV 000013307J

(Chapter 13)
工具袋
Tool kit
No Drawing

- #30
 - USA
NV 000005002J
 - NOT USA & NOT CE
NV 000005001J
 - NOT USA BUT CE
NV 000005003J
- #40
 - USA
NV 000005002A
 - NOT USA & NOT CE
NV 000005001A
 - NOT USA BUT CE
NV 000005003A

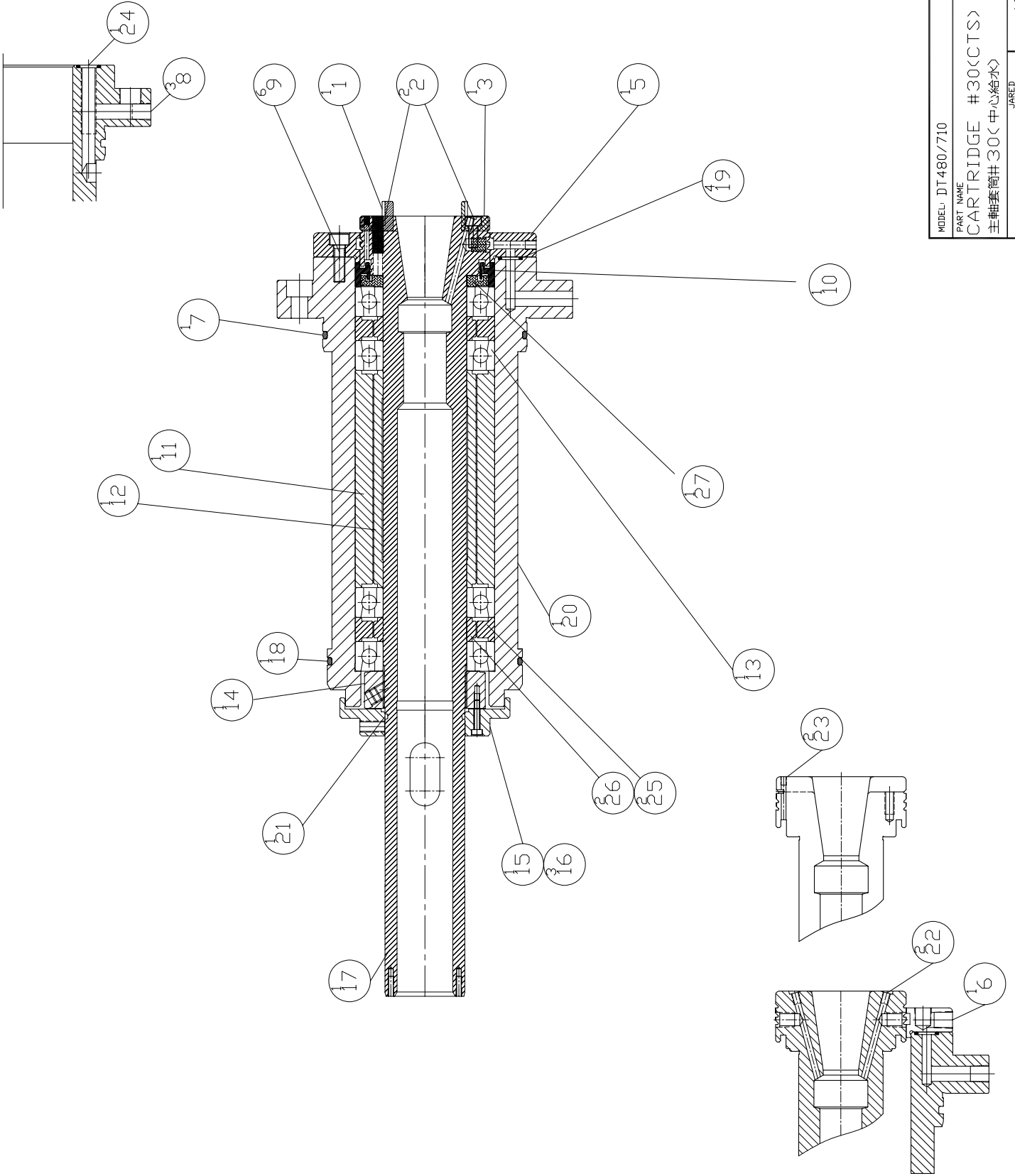
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Chapter 1

主軸箱

Headstock

REV	DESCRIPTION	DATE	ECN
A	新形繪	2007/7/2	655



MODEL: DT480/710	PART NUMBER
CARTRIDGE #30<CTS>	NVA000015702J
主軸套筒#30<中心給水>	PAGE 1 OF 1
DATE 2007/7/2	REV. A
SCALE 1:3	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVA000015702J

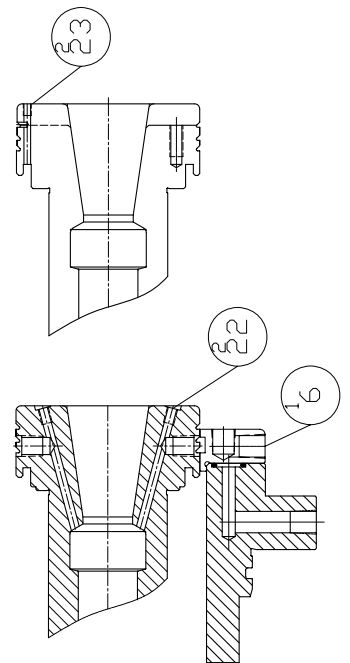
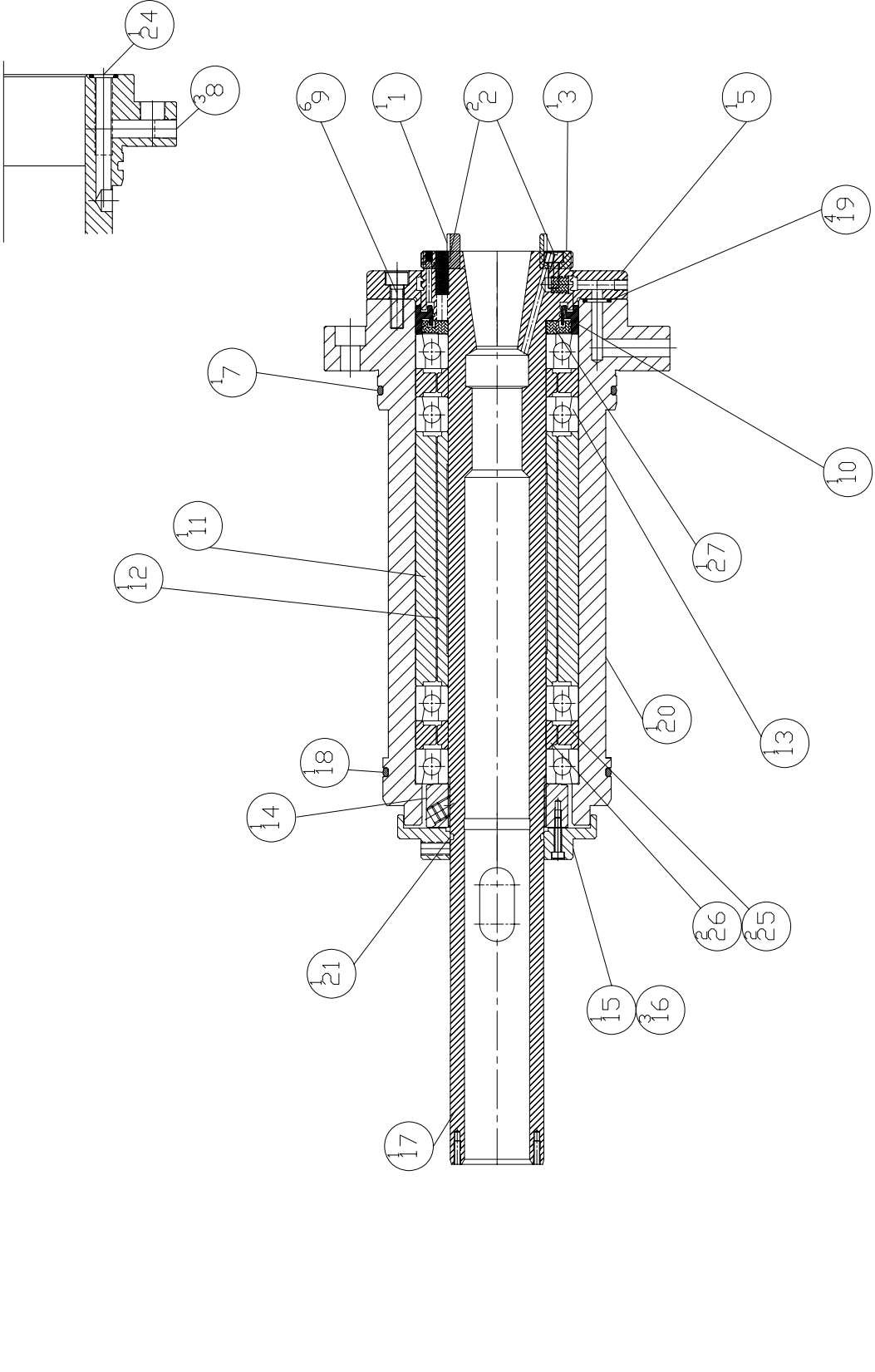
Description: CARTRIDGE #30(CTS)
主軸套筒#30(中心給水)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000753311J	KEY, SPINDLE	鍵	L17XW16XH15.86	1.00	EA
2.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	2.00	EA
3.00	NV 000753312J	KEY, SPINDLE	鍵	L14.3XW16XH15.86	1.00	EA
5.01	NVA001011501J	COVER, SPINDLE	主軸前蓋	D119.8xd70xL16	1.00	EA
6.00	MS 0553512	SOC SET, CUP POINT	杯型端固定螺絲	M5xP0.8xL5	1.00	EA
7.00	BL 00094310217	O-RING	O型油環	G105	1.00	EA
8.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	3.00	EA
9.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	6.00	EA
10.01	NVB000179900J	EXTERNAL SPACER, SPINDLE	外間隔圈(前蓋)	D75xd59.2xL13	1.00	EA
11.00	NVB000179959J	EXTERNAL SPACER, SPINDLE	外間隔圈	D75xd56xL149	1.00	EA
12.00	NVB000179960J	INTERNAL SPACER, SPINDLE	內間隔圈	D55xd45xL149	1.00	EA
13.00	NV 00002660128	BEARING, SPINDLE(15K/Grease)	主軸斜角滾珠軸承(15K/Grease)	[SKF] 7009CD/HCBQBCAVQ126 (4 PC	1.00	ST
14.00	NV 000049229J	LOCKNUT	鎖緊螺帽	[SHIANG KAI]M45X1.5(BF45)(GRIN	1.00	EA
15.00	NV 001011500J	COVER	軸蓋	D91.5Xd43xL21	1.00	EA
16.00	MS 0103317	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M3xP0.5xL16	3.00	EA
17.01	NVB000028300J	SPINDLE(#30,10K/15K)	主軸(#30,10K/15K)	D69.83xd23xL460	1.00	EA
18.00	NV 00094310210	O-RING	O型油環	G100	1.00	EA
19.00	NV 00094310102	O-RING	O型油環	[JIS] P10	4.00	EA
20.01	NVB0000405201J	HOUSING, SPINDLE#30(15K)	軸承套#30(15K)	D159xd69xL242	1.00	EA
21.00	NV 00094310311	O-RING	O型油環	[JIS] S40	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
22.00	MS 0553411	SOCSET, CUP POINT	杯型端固定螺絲	M4xP0.7XL4	2.00	EA
23.00	MS 0573303	SET SCREW	固定螺絲	M3xP0.3XL3	2.00	EA
24.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	1.00	EA
25.01	NV 000179996J	EXTERNAL SPACER, SPINDLE	外間隔圈	D75xd56xL13	2.00	EA
26.01	NV 000179997J	INTERNAL SPACER, SPINDLE	內間隔圈	D55xd45xL13	2.00	EA
27.00	NV 000179995J	INTERNAL SPACER, SPINDLE	內間隔圈	D66.7Xd45XL6	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	新形	2007/7/2	653



MODEL: DT300/480/710	PART NUMBER
CARTRIDGE #30<15K RPM>	NVC000015701J
主軸套筒#30<15K RPM>	PAGE 1 OF 1
DATE 2007/7/2	REV. A
SCALE 1:3	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV000015701J

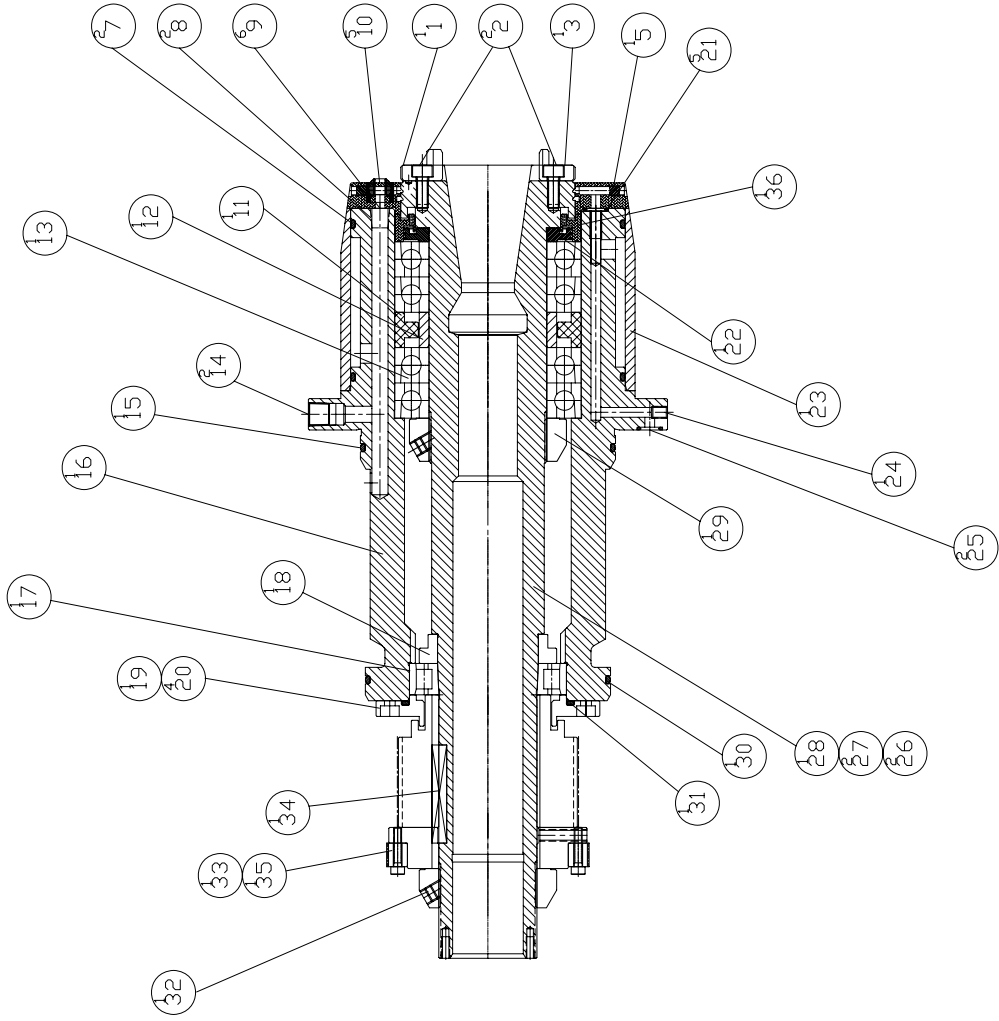
Description: CARTRIDGE #30(15K RPM)
主軸套筒#30(15K RPM)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000753311J	KEY, SPINDLE	鍵	L17XW16XH15.86	1.00	EA
2.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	2.00	EA
3.00	NV 000753312J	KEY, SPINDLE	鍵	L14.3XW16XH15.86	1.00	EA
5.01	NVA001011501J	COVER, SPINDLE	主軸前蓋	D119.8xd70xL16	1.00	EA
6.00	MS 0553512	SOC SET, CUP POINT	杯型端固定螺絲	M5xP0.8xL5	1.00	EA
7.00	BL 00094310217	O-RING	O型油環	G105	1.00	EA
8.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	3.00	EA
9.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	6.00	EA
10.01	NVB000179900J	EXTERNAL SPACER, SPINDLE	外間隔圈(前蓋)	D75xd59.2xL13	1.00	EA
11.00	NVB000179959J	EXTERNAL SPACER, SPINDLE	外間隔圈	D75xd56xL149	1.00	EA
12.00	NVB000179960J	INTERNAL SPACER, SPINDLE	內間隔圈	D55xd45xL149	1.00	EA
13.00	NV 00002660128	BEARING, SPINDLE(15K/Grease)	主軸斜角滾珠軸承(15K/Grease)	[SKF] 7009CD/HCBQBCAVQ126 (4 PC	1.00	ST
14.00	NV 000049229J	LOCKNUT	鎖緊螺帽	[SHIANG KAI]M45X1.5(BF45)(GRIN	1.00	EA
15.00	NV 001011500J	COVER	軸蓋	D91.5Xd43xL21	1.00	EA
16.00	MS 0103317	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M3xP0.5xL16	3.00	EA
17.01	NVB000028300J	SPINDLE(#30,10K/15K)	主軸(#30,10K/15K)	D69.83xd23xL460	1.00	EA
18.00	NV 00094310210	O-RING	O型油環	G100	1.00	EA
19.00	NV 00094310102	O-RING	O型油環	[JIS] P10	4.00	EA
20.01	NVB0000405201J	HOUSING, SPINDLE#30(15K)	軸承套#30(15K)	D159xd69xL242	1.00	EA
21.00	NV 00094310311	O-RING	O型油環	[JIS] S40	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
22.00	MS 0553411	SOCSET, CUP POINT	杯型端固定螺絲	M4xP0.7XL4	2.00	EA
23.00	MS 0573303	SET SCREW	固定螺絲	M3xP0.3XL3	2.00	EA
24.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	1.00	EA
25.01	NV 000179996J	EXTERNAL SPACER, SPINDLE	外間隔圈	D75xd56xL13	2.00	EA
26.01	NV 000179997J	INTERNAL SPACER, SPINDLE	內間隔圈	D55xd45xL13	2.00	EA
27.00	NV 000179995J	INTERNAL SPACER, SPINDLE	內間隔圈	D66.7Xd45XL6	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	採購方式	2007/7/2	653



MODEL: VMC-480/710

PART NAME
CARTRIDGE #40(10K RPM)
主軸套筒#40(10K/15K RPM)

PART NUMBER
NVB000015729L

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REV. A

SCALE 1:4

DATE 2007/7/2

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVB000015729L

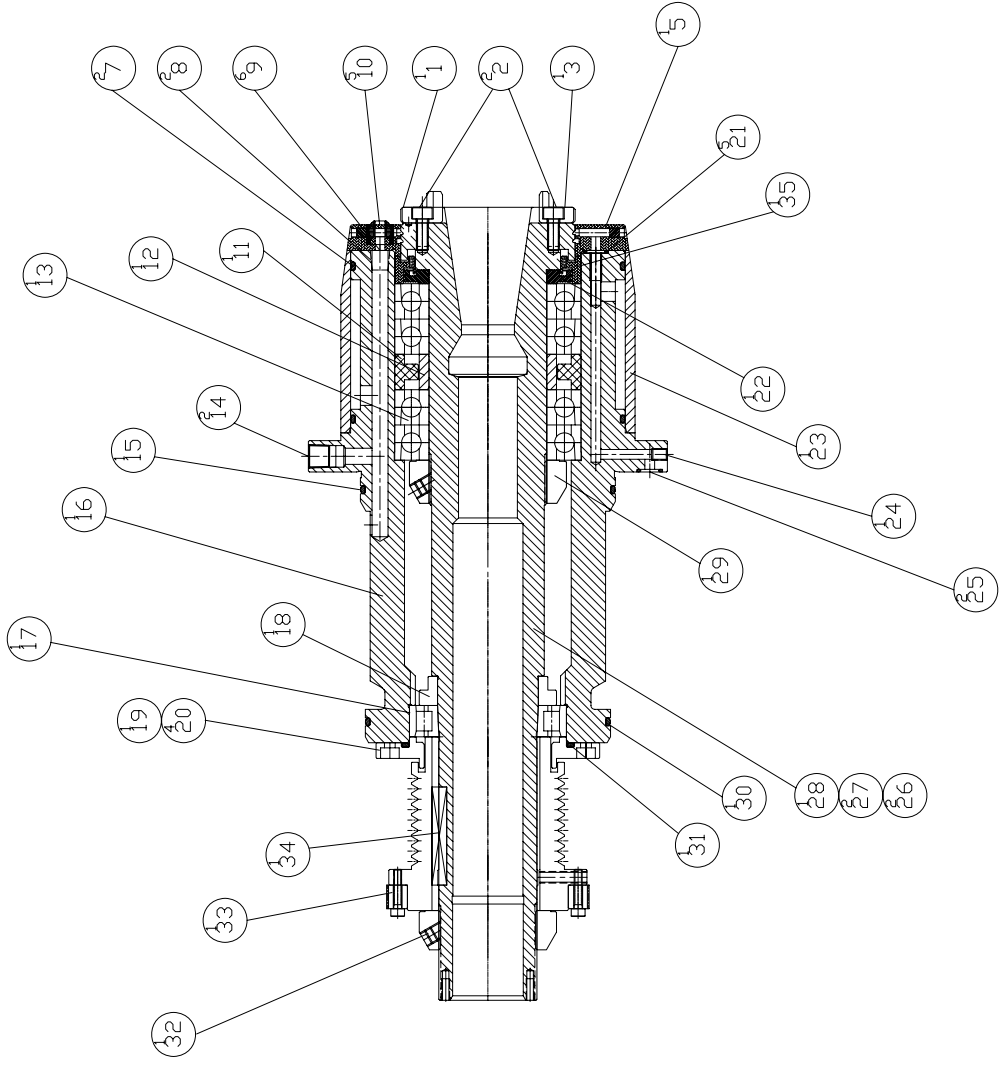
Description: CARTRIDGE #40(10K RPM)
主軸套筒#40(10K RPM)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000753309A	KEY, SPINDLE	鍵	L20.6XW16XH15.86	1.00	EA
2.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
3.00	NV 000753310A	KEY, SPINDLE	鍵	L17.5XW16XH15.86	1.00	EA
5.01	NVB001011501L	COVER, SPINDLE	主軸前蓋	D143.7xd89xL16	1.00	EA
6.00	MS 0553815	SOC SET,CUP POINT	杯型端固定螺絲	M8XP1.25XL10	1.00	EA
7.00	NV 00094310225	O-RING	O型油環	[JIS] G135	2.00	EA
8.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	4.00	EA
9.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	6.00	EA
10.00	NV 00070110101	NOZZLE, COOLANT	冷卻水噴嘴	NOZ. 14	5.00	EA
11.01	NVB000179967L	EXTERNAL SPACER, SPINDLE	外間隔圈	D95Xd71XL18	1.00	EA
12.01	NVB000179966L	INTERNAL SPACER, SPINDLE	內間隔圈	D70Xd60XL18	1.00	EA
13.00	NV 00002660132	BEARING, SPINDLE(10K/Grease)	主軸斜角滾珠軸承(10K/Grease,小鋼珠)	[SKF] 7012CEGAP4A(4 pcs/set)	1.00	ST
14.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	2.00	EA
15.00	NV 00094310220	O-RING	O型油環	[JIS] G125	1.00	EA
16.00	NVA000405200L	HOUSING, SPINDLE#40(10K)	軸承套#40(10K)	D183xd74xL251	1.00	EA
1.00	NVA300405200L	HOUSING, SPINDLE #40(10K)	軸承套#40(10K)	D189xd68xL257	1.00	EA
17.00	NV 00002660244	BEARING, SPINDLE(10K/Grease)	主軸滾筒軸承(10K/Grease)	[SKF] N1010 KTN/SPVR592	1.00	EA
18.00	NV 000179901L	SPACER, SPINDLE	後間隔圈	D70Xd51.4XL14.8	1.00	EA
19.00	NV 001011500L	COVER	軸蓋	D114Xd65xL16	1.00	EA
20.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00094310102	O-RING	O型油環	[JIS] P10	5.00	EA
22.01	NVB000179900L	INTERNAL SPACER, SPINDLE	內間隔圈	D86.9xd60xL7	1.00	EA
23.00	NVA000048101L	BUSHING	襯套	D150xd140xL93	1.00	ST
24.00	MS 0553614	SOC SET, CUP POINT	杯型端固定螺絲	M6XP1.0XL8	1.00	EA
25.00	NV 00094310102	O-RING	O型油環	[JIS] P10	2.00	EA
26.00	MS 0573413	SET SCREW	固定螺絲	(TANSHING)M4xP0.7X6	2.00	EA
27.00	MS 0573303	SET SCREW	固定螺絲	M3xP0.3XL3	2.00	EA
28.01	NVA000028300L	SPINDLE(#40,10K/15K)	主軸(#40,10K/15K)	D88.87xL404.3	1.00	EA
29.00	NV 000049204A	LOCKNUT	鎖緊螺帽	[SHIANG KAIJ]M60X2(GRINDING)	1.00	EA
30.00	NV 00094310201	O-RING	O型油環	[JIS] G120	1.00	EA
31.00	NV 00094310216	O-RING	O型油環	G80	1.00	EA
32.00	NV 000049230L	LOCKNUT	鎖緊螺帽	[SHIANG KAIJ]M50X1.5(MF50)(GRIN	1.00	EA
33.00	NV 000317761L	SPINDLE PULLEY	主軸齒帶輪(10K/FANUC)	D91.17xd50xL67.6	1.00	EA
34.01	NV 00061150118	SUNK KEY	(雙圓頭鍵)平行鍵	L70XW8XH7(JIS-)	1.00	EA
35.00	NV 000317762L	SEAT, SPINDLE ENCODER GEAR	檢測齒輪座	D101xd50xL21	1.00	EA
36.00	NV 000179995L	EXTERNAL SPACER, SPINDLE	外間隔圈	D95xd74.2xL14	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	機殼改	2007/7/2	653



MODEL: VMC-480/710	PART NUMBER: NVB000015701L
PART NAME: CARTRIDGE #40(10K RPM)	PAGE: 1 OF 1
主軸套筒#40(10K/15K RPM)	REV: A
DATE: 2007/7/2	SCALE: 1:4

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVB000015701L

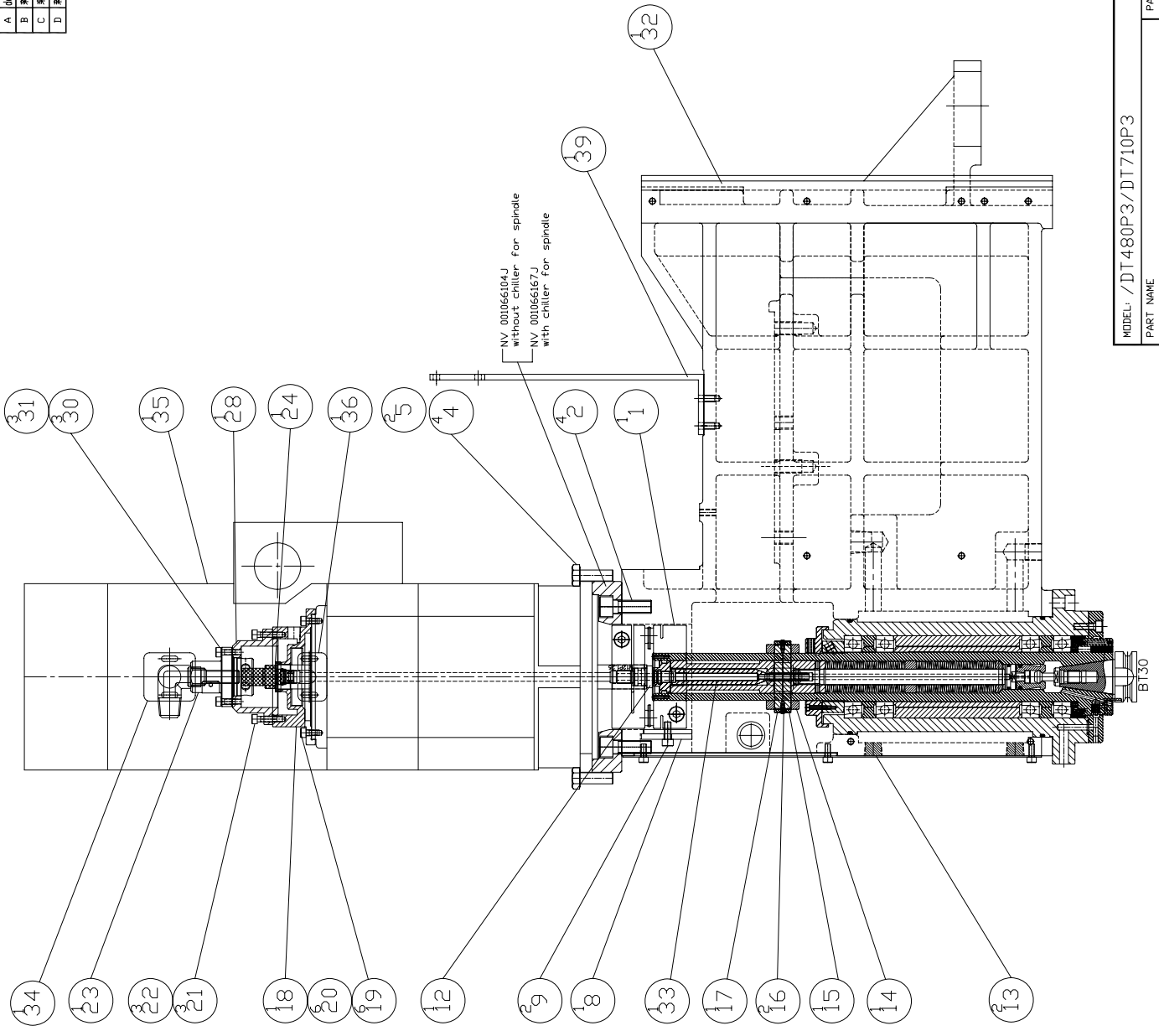
Description: CARTRIDGE #40(10K RPM)
主軸套筒#40(10K RPM)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000753309A	KEY, SPINDLE	鍵	L20.6XW16XH15.86	1.00	EA
2.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
3.00	NV 000753310A	KEY, SPINDLE	鍵	L17.5XW16XH15.86	1.00	EA
5.01	NVB001011501L	COVER, SPINDLE	主軸前蓋	D143.7xd89xL16	1.00	EA
7.00	NV 00094310225	O-RING	O型油環	[JIS] G135	1.00	EA
8.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	2.00	EA
9.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	6.00	EA
10.00	NV 00070110101	NOZZLE, COOLANT	冷卻水噴嘴	NOZ. 14	5.00	EA
11.01	NVB000179967L	EXTERNAL SPACER, SPINDLE	外間隔圈	D95Xd71XL18	1.00	EA
12.01	NVB000179966L	INTERNAL SPACER, SPINDLE	內間隔圈	D70Xd60XL18	1.00	EA
13.00	NV 00002660132	BEARING, SPINDLE(10K/Grease)	主軸斜角滾珠軸承(10K/Grease,小鋼珠)	[SKF] 7012CEGAP4A(4 pcs/set)	1.00	ST
14.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	2.00	EA
15.00	NV 00094310220	O-RING	O型油環	[JIS] G125	1.00	EA
16.00	NVA000405200L	HOUSING, SPINDLE#40(10K)	軸承套#40(10K)	D183xd74xL251	1.00	EA
1.00	NVA300405200L	HOUSING, SPINDLE #40(10K)	軸承套#40(10K)	D189xd68xL257	1.00	EA
17.00	NV 00002660244	BEARING, SPINDLE(10K/Grease)	主軸滾筒軸承(10K/Grease)	[SKF] N1010 KTN/SPVR592	1.00	EA
18.00	NV 000179901L	SPACER, SPINDLE	後間隔圈	D70Xd51.4XL14.8	1.00	EA
19.00	NV 001011500L	COVER	軸蓋	D114Xd65xL16	1.00	EA
20.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	4.00	EA
21.00	NV 00094310102	O-RING	O型油環	[JIS] P10	5.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
22.01	NVB000179900L	INTERNAL SPACER, SPINDLE	內間隔圈	D86.9xd60xL7	1.00	EA
23.00	NVA000048101L	BUSHING	襯套	D150xd140xL93	1.00	EA
24.00	MS 0553614	SOC SET, CUP POINT	杯型端固定螺絲	M6XP1.0XL8	1.00	EA
25.00	NV 00094310102	O-RING	O型油環	[JIS] P10	2.00	EA
26.00	MS 0573413	SET SCREW	固定螺絲	(TANSHING)M4xP0.7X6	2.00	EA
27.00	MS 0573303	SET SCREW	固定螺絲	M3xP0.3XL3	2.00	EA
28.01	NVA000028300L	SPINDLE(#40,10K/15K)	主軸(#40,10K/15K)	D88.87xL404.3	1.00	EA
28.02	NVA000028300L	SPINDLE(#40,10K/15K)	主軸(#40,10K/15K)	D88.87xL404.3	1.00	EA
29.00	NV 000049204A	LOCKNUT	鎖緊螺帽	[SHIANG KAIJM60X2(GRINDING)	1.00	EA
30.00	NV 00094310201	O-RING	O型油環	[JIS] G120	1.00	EA
31.00	NV 00094310216	O-RING	O型油環	G80	1.00	EA
32.00	NV 000049230L	LOCKNUT	鎖緊螺帽	[SHIANG KAIJM50X1.5(MF50)(GRIN	1.00	EA
33.00	NV 000317765L	SPINDLE PULLEY	主軸皮帶輪(10K/15K/FANUC)	D78xd28xL98.7	1.00	EA
34.01	NV 00061150118	SUNK KEY	(雙圓頭鍵)平行鍵	L70XW8XH7(JIS-)	1.00	EA
35.00	NV 000179995L	EXTERNAL SPACER, SPINDLE	外間隔圈	D95xd74.2xL14	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	初版 #3	2007/4/27	533
B	新仕様 1,2~#33	2007/6/11	583
C	新仕様 #39	2007/6/20	622
D	新仕様 34~#36	2007/8/27	712 & 713



MODEL / DT 480P3 / DT710P3
PART NAME SPINDLE TRANSMISSION(CTS,15K-RPM,FANUC) 主轴传动(CTS,15K-RPM,FANUC)
PART NUMBER NV_000000203J
PAGE 1 DF 1
REV. D
DATE 2007/6/13
SCALE 1:6

PRODUCT BOM MASTER AND SUB-ITEMS LIST

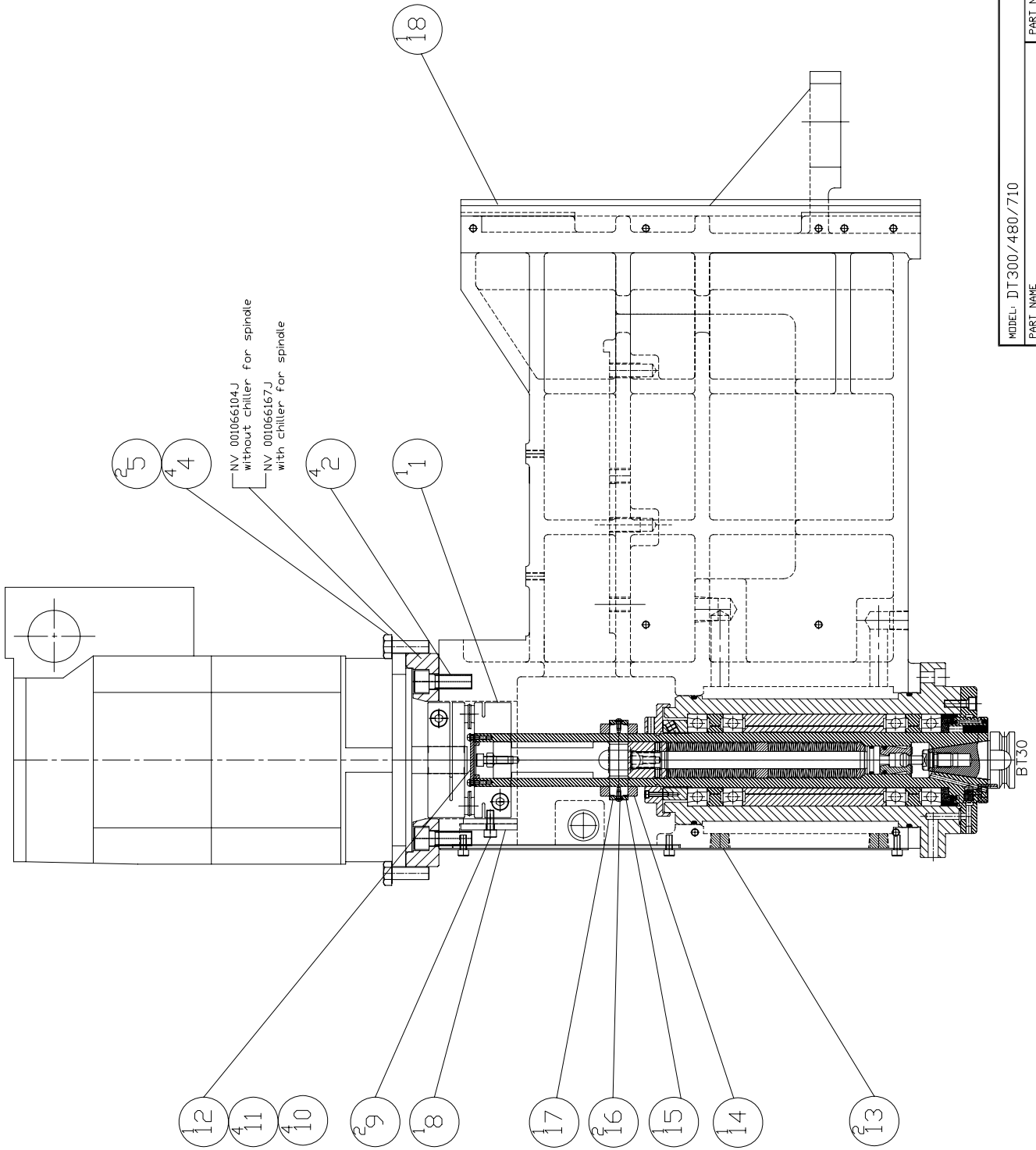
Master Item Part NO.: NV 000000203J
Description: SPINDLE TRAVERSE(CTS,15K-RPM,F
主軸傳動(中心給水,15K-RPM,FANUC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 001179208J	COUPLING (#30 SPD)	聯軸器(#30 SPD)	[MIKI PULLEY] SFC-090SD-B-B	1.00	EA
2.00	MS 0104221	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M12xP1.75xL35	4.00	EA
4.00	MS 0154020	HEX HD. FULL THD	六角頭螺絲	M10XP1.5XL30	4.00	EA
5.00	NV 00032530103	TAPER PIN	斜銷	Φ6x32L	2.00	EA
8.00	NV 001021566J	COVER	噪音蓋	L46XW98xH27.2	1.00	EA
1.00	NV 301021566J	COVER	噪音蓋	L104XW52xH33.7	1.00	EA
9.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
12.00	NV 001042115J	ROTATING ADAPTER(CTS)	旋轉接頭(中心給水)	D20xd6xL52	1.00	EA
13.00	NV 00077031703	PLUG, SOCKET HEX.	塞頭	PT3/8	2.00	EA
14.00	NV 000981324J	MOVABLE RING, DRAWBAR	打刀環	D59Xd43.07XL30	1.00	EA
15.00	NV 000403884J	SHAFT,MOVABLE RING(CTS)	打刀環軸(中心給水)	D15xL58.8	1.00	EA
16.00	MS 0303313	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M3xP0.5xL6	2.00	EA
17.00	NV 000981325J	FIXED RING	固定環	D65Xd59XL15	1.00	EA
18.00	NV 001042105J	SEAT, ROTATING UNION(CTS)	旋轉接頭下座(中心給水)	D124Xd23XL39	1.00	EA
19.00	MS 0303516	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M5xP0.8xL12	6.00	EA
20.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
21.00	MS 0303518	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M5xP0.8xL20	3.00	EA
22.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	3.00	EA
23.00	NV 00090810104	ROTARY COOLANT UNION(CTS)	切削水旋轉接頭(中心給水)	DEUBLIN 1129-036-327-IC	1.00	EA
24.00	NV 001042116J	COVER,ROTATING UNION(CTS)	旋轉接頭蓋(中心給水)	D27.5xd14xH5	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
28.00	NV 001042104J	SEAT, ROTATING UNION(CTS)	旋轉接頭上座(中心給水)	D87Xd34.9XL32.5	1.00	EA
30.00	MS 0303518	BUTTON HD. SOCKET	六角六半圓頭螺絲	M5xP0.8xL20	3.00	EA
31.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	3.00	EA
32.04	NV 000026400J	HEADSTOCK(#30)	主軸箱(#30)	L637xW399xH355	1.00	EA
1.01	NV 300026400J	HEADSTOCK	主軸箱	L637xW399xH355	1.00	EA
33.00	NV 001042113J	ADAPTER, ROTATING UNIONS	旋轉接頭座(#30 CTS)	D30xd4xL142	1.00	EA
34.00	NV 000799084J	PLATE , SPINDLE MOTER COVER	主軸馬達側面蓋板	44x47x2.3	1.00	EA
35.01	NV 000799081J	COVER , SPINDLE MOTER(CTS)	主軸馬達中心給水蓋板	175x175x200	1.00	EA
36.00	NV 000799021J	COVER(CTS)	蓋板(CTS)	L44xW26.5	1.00	EA
37.00	NV 00094310106	O-RING	O型油環	[JIS] P12 (MADE IN JAPAN)	1.00	EA
38.00	NV 00094310103	O-RING	O型油環	[JIS] P24 (MADE IN JAPAN)	1.00	EA
39.00	NV 000699027J	BRACKET, MANIFOLD CTS	水氣轉換支撐架	L126XW30XH250	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	採集力込, 用JIS規格 井	2007/12/15	33



MODEL: DT300/480/710

PART NAME
SPINDLE TRANSMISSION

主軸伝動機構

DATE 2004/9/1

SCALE 1:6

PART NUMBER
NV 000000201J

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REV. A

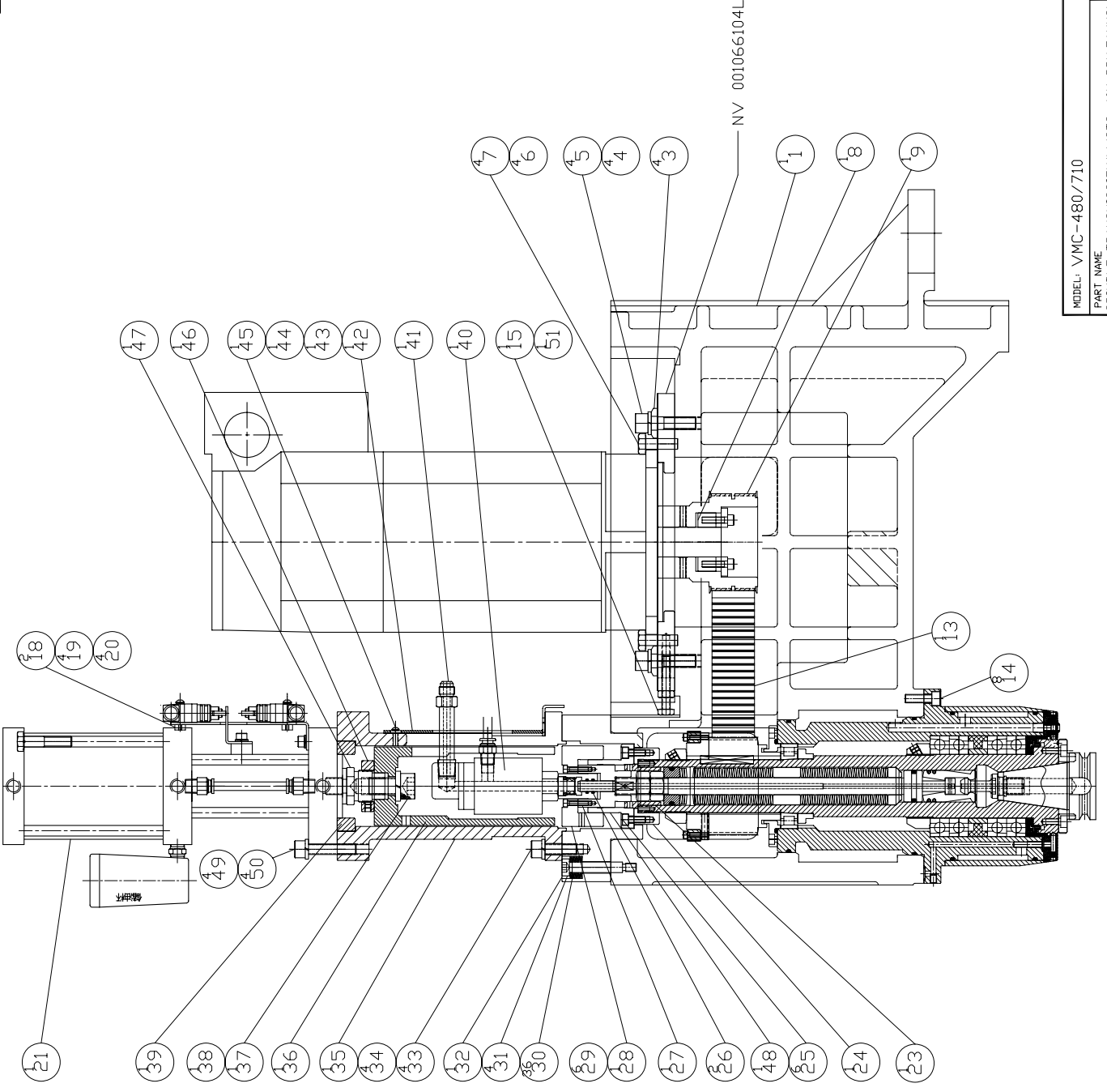
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000000201J

Description: SPINDLE TRANSMISSION
主軸傳動

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 001179208J	COUPLING (#30 SPD)	聯軸器(#30 SPD)	[MIKI PULLEY] SFC-090SD-B-B	1.00	EA
2.00	MS 0104221	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M12xP1.75xL35	4.00	EA
4.00	MS 0154020	HEX HD. FULL THD	六角頭螺絲	M10XP1.5XL30	4.00	EA
5.00	NV 00032530103	TAPER PIN	斜銷	Φ6x32L	2.00	EA
8.00	NV 001021566J	COVER	噪音蓋	L46XW98xH27.2	1.00	EA
9.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
10.00	MW 0183310	SPRING WASHER	彈簧墊圈	M3	4.00	EA
11.00	MS 0303314	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M3xP0.5xL8	4.00	EA
12.00	NV 001021568J	REAR COVER, SPINDLE	主軸後軸蓋	D42Xd24xL7	1.00	EA
13.00	NV 00077031703	PLUG, SOCKET HEX.	塞頭	PT3/8	2.00	EA
14.00	NV 000981324J	MOVABLE RING, DRAWBAR	打刀環	D59Xd43.07XL30	1.00	EA
15.00	NV 000403866J	SHAFT,MOVABLE RING	打刀環軸	D15xL58.8	1.00	EA
16.00	MS 0303313	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M3xP0.5xL6	2.00	EA
17.00	NV 000981325J	FIXED RING	固定環	D65Xd59XL15	1.00	EA
18.04	NV 000026400J	HEADSTOCK(#30)	主軸箱(#30)	L637xW399xH355	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	釋放,更改件48	2006/9/26	202



MODEL: VMC-480/710	PART NUMBER	REV. A
PART NAME	NV 000000230L	
SPINDLE TRANSMISSION/CTS, 10K-RPM,FANUC	PAGE 1 OF 1	
主軸傳動, 中心給水, 10K-RPM,FANUC	SCALE 1:6	
DATE 2004/9/6	SPERRY	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000000230L

Description: SPINDLE TRANSMISSION(W/CTS, 10
主軸傳動(CTS, 10K, FANUC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000026400L	HEADSTOCK	主軸箱	L661xW356xH381	1.00	EA
3.00	NV 000199096A	PLATE	墊塊(M12 washer)	D28xd13xt6 (M12 washer)	4.00	EA
4.00	MW 0184210	SPRING WASHER	彈簧墊圈	M12	4.00	EA
5.00	MS 0104223	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M12XP1.75XL45	4.00	EA
6.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
7.00	MS 0154020	HEX HD. FULL THD	六角頭螺絲	M10XP1.5XL30	4.00	EA
8.00	NV 00098132601	self-centering, KEYLESS CONNec	自動校心型免鍵式軸環	SES-28	1.00	EA
9.00	NVA000317763L	MOTOR PULLEY	馬達齒帶輪(10K/FANUC)	D96xd28xL94.3	1.00	EA
13.00	NV 00033460126	TIMING BELT	齒形皮帶	[UNITTA] 750-5GT-40mm(中間剖3mm寬)	1.00	ST
14.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	8.00	EA
15.00	MS 0153824	HEX HD., FULL THD	六角頭螺絲	M8xP1.25xL50(FULL THD)	1.00	EA
18.00	NVA000199034A	PLATE	固定板	L45xW10xH5	2.00	EA
19.00	MS 0103419	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL25	4.00	EA
20.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
21.00	NV 000291700A	BOOSTER CYLINDER	增壓缸	3TONSX13mm	1.00	ST
23.00	NV 000981322L	ORIENTATION RING(#40 CTS)	定位環(#40 CTS)	D41Xd29xL28	1.00	EA
24.00	NV 000981301L	RING	拉環(主軸末端螺絲帽)	D72Xd40XL24	1.00	EA
25.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
26.00	NV 00094310102	O-RING	O型油環	[JIS] P10	2.00	EA
27.00	NV 001042100L	ADAPTER, THR SPD COOLANT	連結座(#40 CTS)	D40Xd10.2xL50	1.00	EA

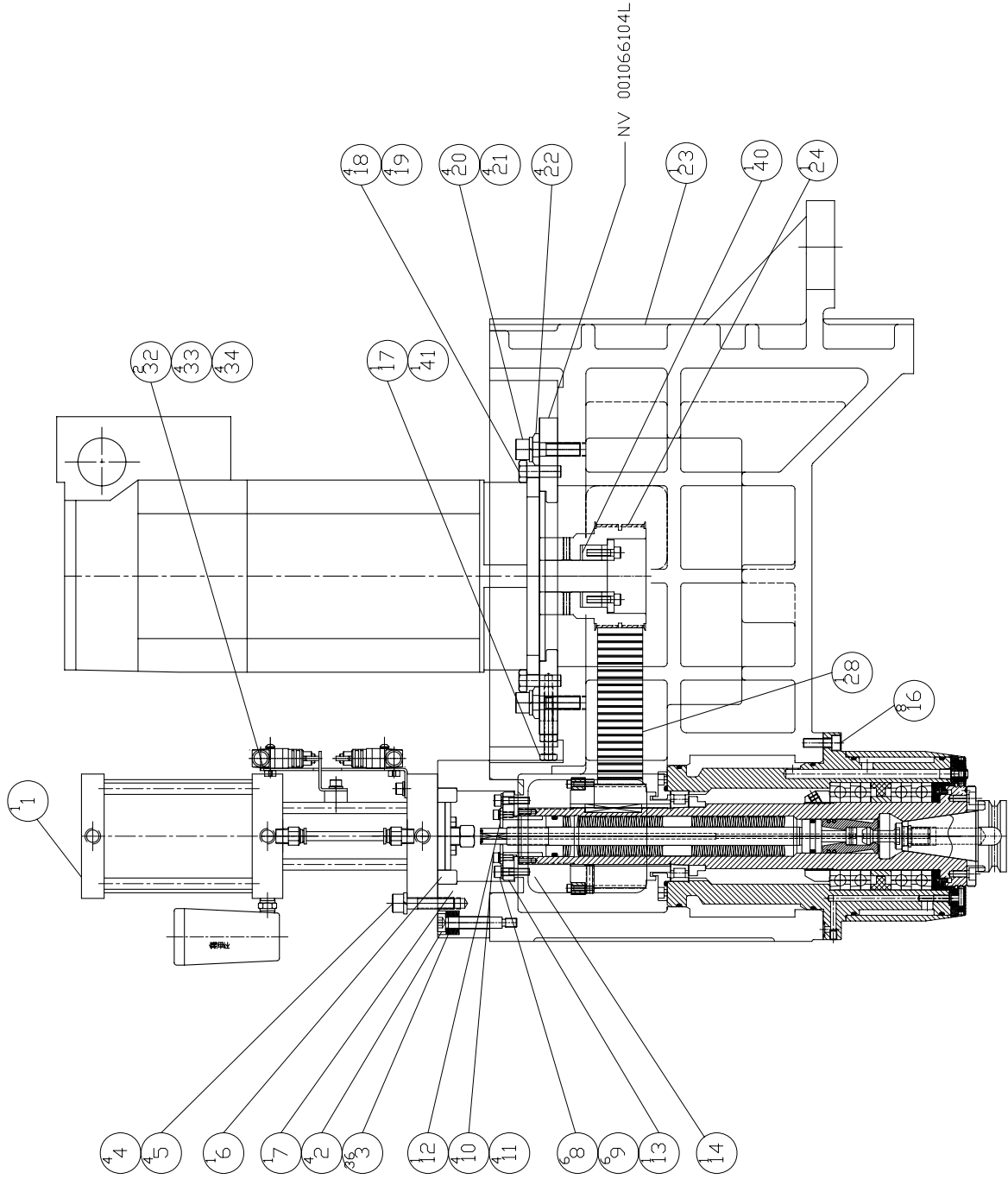
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
28.00	NV 001066110L	D76Xd25XL39	支撐座(#40 CTS)	D76Xd25XL39	1.00	EA
29.00	MS 0103418	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL20	6.00	EA
30.00	NV 000733501	DISK SPRING	碟型彈簧	D20Xd10.2xL1.35(H0.8)	36.00	EA
31.00	NV 000668400A	BOLT, SPINDLE	螺栓[凸肩螺絲]	M10X50	4.00	EA
32.00	NV 000981300L	RING (#40)	拉環 (#40)	D134Xd73xL73	1.00	EA
33.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
34.00	MS 0104020	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL30	4.00	EA
35.00	NV 000981306L	RING, THR SPD COOLANT (#40 CTS)	拉環(中心給水) (#40 CTS)	W134Xd76xL216	1.00	EA
36.00	NV 001042102A	CONTACT BLOCK	接觸塊	D76Xd18XL170	1.00	EA
37.00	NV 000668416A	BOLT(CTS)	螺絲	M16xP2xL30	1.00	EA
38.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	1.00	EA
39.00	NV 000048102L	BUSHING	襯套	D85Xd60xL17	1.00	ST
40.00	NV 00090810102	ROTARY COOLANT UNION(12000RPM)	切削水旋轉接頭(12000RPM)	DEUBLIN 1109-020-188	1.00	ST
41.00	NV 001010900A	PIPE, THR SPD COOLANT	水管接頭	D17Xd6.5XL90	1.00	EA
42.00	NV 000199065L	BRACKET, COOLANT PIPE	接頭固定板	L170XW29XH55	1.00	EA
43.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	1.00	EA
44.00	MW 0103510	FLAT WASHER	平墊圈	M5	1.00	EA
45.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	1.00	EA
46.00	NV 000049206A	LOCKNUT	鎖緊螺帽	[SHIANG KAI]M30X1.5	1.00	EA
47.00	NV 001042103A	ADAPTER, THR SPD COOLANT	接頭	D34.5Xd14XL56	1.00	EA
48.01	NV 001042101L	ADAPTER, ROTATING UNIONS	旋轉接頭座(#40 CTS)	D79xd10xL71.3	1.00	EA
49.00	MS 0104023	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL45	4.00	EA
50.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
51.00	MN 0113810	HEXGON NUT	六角螺帽	M8xP1.25	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	標準版	2007/5/17	575



MODEL: VMC-480/710

PART NAME

SPINDLE TRANSMISSION(W/D CTS,10K,FANUC)
主軸傳動 無CTS,10K,FANUC

PART NUMBER

NV 000000228L

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DATE 2004/9/6

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000000228L

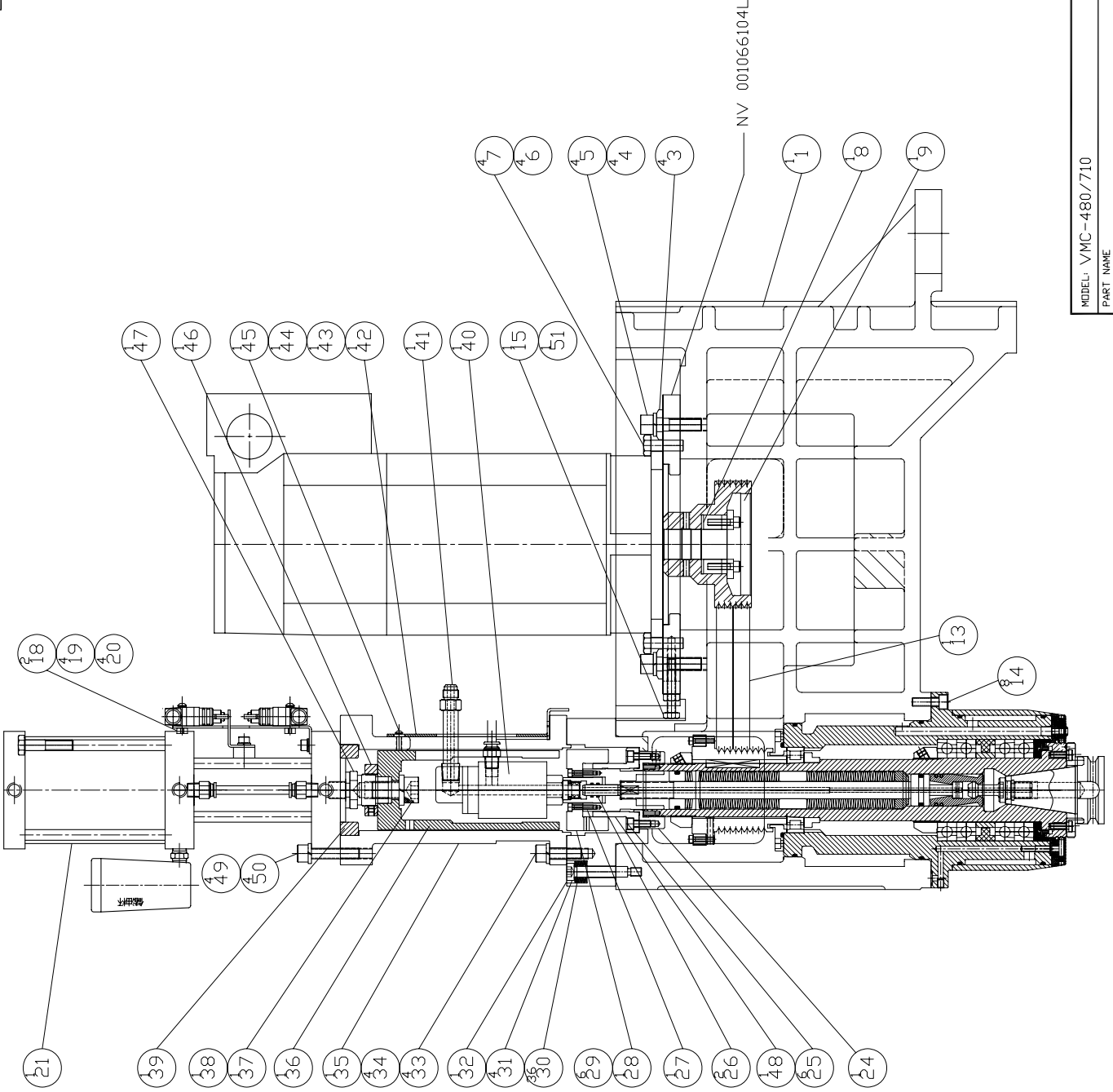
Description: SPINDLE TRANSMISSION(W/O CTS,1
主軸傳動(無CTS,10K,FANUC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000291700A	BOOSTER CYLINDER	增壓缸	3TONSX13mm	1.00	ST
2.00	NV 000668400A	BOLT, SPINDLE	螺栓[凸肩螺絲]	M10X50	4.00	EA
3.00	NV 000733501	DISK SPRING	碟型彈簧	D20Xd10.2xL1.35(H0.8)	36.00	EA
4.00	MS 0104023	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL45	4.00	EA
5.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
6.00	NV 000048102L	BUSHING	襯套	D85Xd60xL17	1.00	ST
7.00	NV 000981300L	RING (#40)	拉環 (#40)	D134Xd73xL73	1.00	EA
8.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	6.00	EA
9.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
10.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	4.00	EA
11.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
12.00	NV 000199000L	PLATE, SPINDLE	固定板	D49Xd15XL2.3	1.00	EA
13.00	NV 000981302L	RING	拉環(浮動打刀)	D78Xd29XL19	1.00	EA
14.00	NV 000981301L	RING	拉環(主軸末端螺絲帽)	D72Xd40XL24	1.00	EA
16.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	8.00	EA
17.00	MS 0153824	HEX HD., FULL THD	六角頭螺絲	M8xP1.25xL50(FULL THD)	1.00	EA
18.00	MS 0154020	HEX HD. FULL THD	六角頭螺絲	M10XP1.5XL30	4.00	EA
19.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
20.00	MS 0104223	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M12XP1.75XL45	4.00	EA
21.00	MW 0184210	SPRING WASHER	彈簧墊圈	M12	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
22.00	NV 000199096A	PLATE	墊塊(M12 washer)	D28xd13xt6 (M12 washer)	4.00	EA
23.00	NV 000026400L	HEADSTOCK	主軸箱	L661xW356xH381	1.00	EA
24.00	NVA000317763L	MOTOR PULLEY	馬達齒帶輪(10K/FANUC)	D96xd28xL94.3	1.00	EA
28.00	NV 00033460126	TIMING BELT	齒形皮帶	[UNITTA] 750-5GT-40mm(中間剖3mm寬)	1.00	ST
32.00	NVA000199034A	PLATE	固定板	L45xW10xH5	2.00	EA
33.00	MS 0103419	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL25	4.00	EA
34.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
40.00	NV 00098132601	self-centering, KEYLESS CONNec	自動校心型免鍵式軸環	SES-28	1.00	EA
41.00	MN 0113810	HEXAGON NUT	六角螺帽	M8xP1.25	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	釋放	2007/5/28	575



MODEL: VMC-480/710

PART NAME
SPINDLE TRANSMISSION/W/CTS, 10K-RPM,FANUC)
主轴傳動中心給水, 10K-RPM,FANUC)

PART NUMBER
NV 000000204L

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DATE 2004/9/1

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PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000000204L

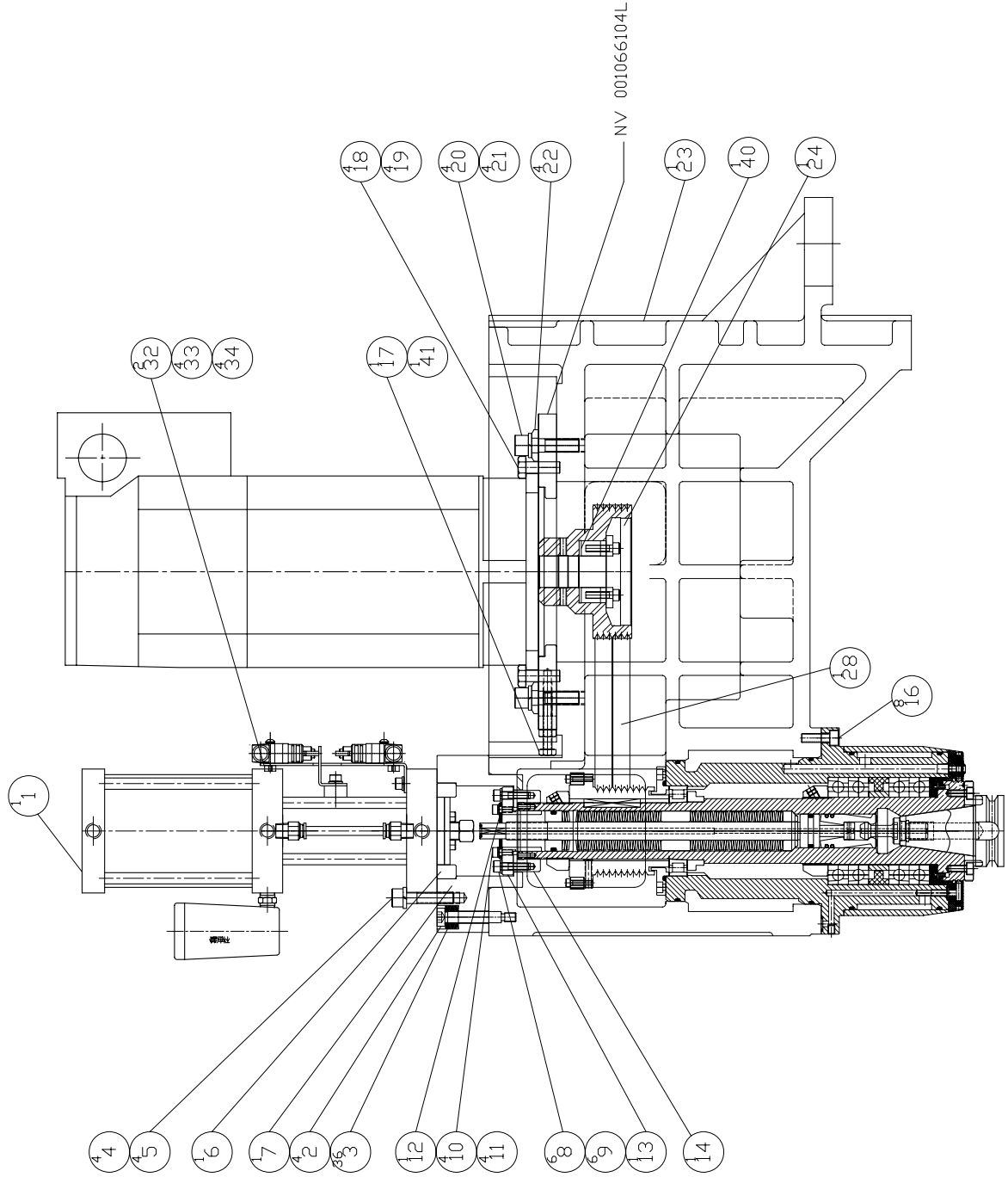
Description: SPINDLE TRAVERSE(CTS,15K-rpm)
主軸傳動(中心給水,15K-RPM)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000026400L	HEADSTOCK	主軸箱	L661xW356xH381	1.00	EA
3.00	NV 000199096A	PLATE	墊塊(M12 washer)	D28xd13xt6 (M12 washer)	4.00	EA
4.00	MW 0184210	SPRING WASHER	彈簧墊圈	M12	4.00	EA
5.00	MS 0104223	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M12XP1.75XL45	4.00	EA
6.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
7.00	MS 0154020	HEX HD. FULL THD	六角頭螺絲	M10XP1.5XL30	4.00	EA
8.00	NV 00098132601	self-centering, KEYLESS CONNec	自動校心型免鍵式軸環	SES-28	3.00	EA
9.00	NVA000317766L	MOTOR PULLEY	馬達皮帶輪(15K/FANUC)	D117.5xd28xL82.8	1.00	EA
13.00	NV 00033460125	V-belt	皮帶	[BANDO] 6-5MS 775(3+3)	1.00	ST
14.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	8.00	EA
15.00	MS 0153824	HEX HD., FULL THD	六角頭螺絲	M8xP1.25xL50(FULL THD)	1.00	EA
18.00	NVA000199034A	PLATE	固定板	L45xW10xH5	2.00	EA
19.00	MS 0103419	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL25	4.00	EA
20.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
21.00	NV 000291700A	BOOSTER CYLINDER	增壓缸	3TONSX13mm	1.00	ST
24.01	NVA000981301L	RING	拉環	D72Xd40XL29	1.00	EA
25.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
26.00	NV 00094310102	O-RING	O型油環	[JIS] P10	2.00	EA
27.00	NVA001042100L	ADAPTER, THR SPD COOLANT	連結座(#40 CTS)	D40Xd10.2xL76	1.00	EA
28.00	NV 001066110L	D76Xd25XL39	支撐座(#40 CTS)	D76Xd25XL39	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
29.00	MS 0103418	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL20	6.00	EA
30.00	NV 000733501	DISK SPRING	碟型彈簧	D20Xd10.2xL1.35(H0.8)	36.00	EA
31.00	NV 000668400A	BOLT, SPINDLE	螺栓[凸肩螺絲]	M10X50	4.00	EA
32.00	NV 000981300L	RING (#40)	拉環 (#40)	D134Xd73xL73	1.00	EA
33.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
34.00	MS 0104020	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL30	4.00	EA
35.00	NV 000981306L	RING, THR SPD COOLANT (#40 CTS)	拉環(中心給水) (#40 CTS)	W134Xd76xL216	1.00	EA
36.00	NV 001042102A	CONTACT BLOCK	接觸塊	D76Xd18XL170	1.00	EA
37.00	NV 000668416A	BOLT(CTS)	螺絲	M16xP2xL30	1.00	EA
38.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	1.00	EA
39.00	NV 000048102L	BUSHING	襯套	D85Xd60xL17	1.00	ST
40.00	NV 00090810102	ROTARY COOLANT UNION(12000RPM)	切削水旋轉接頭(12000RPM)	DEUBLIN 1109-020-188	1.00	ST
41.00	NV 001010900A	PIPE, THR SPD COOLANT	水管接頭	D17Xd6.5XL90	1.00	EA
42.00	NV 000199065L	BRACKET, COOLANT PIPE	接頭固定板	L170XW29XH55	1.00	EA
43.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	1.00	EA
44.00	MW 0103510	FLAT WASHER	平墊圈	M5	1.00	EA
45.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	1.00	EA
46.00	NV 000049206A	LOCKNUT	鎖緊螺帽	[SHIANG KAI]M30X1.5	1.00	EA
47.00	NV 001042103A	ADAPTER, THR SPD COOLANT	接頭	D34.5Xd14XL56	1.00	EA
48.01	NV 001042101L	ADAPTER, ROTATING UNIONS	旋轉接頭座(#40 CTS)	D79xd10xL71.3	1.00	EA
49.00	MS 0104023	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL45	4.00	EA
50.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
51.00	MN 0113810	HEXAGON NUT	六角螺帽	M8xP1.25	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	機軸分岐	2007/5/17	575



MODEL: VMC-480/710

PART NAME
SPINDLE TRANSMISSION(V/D CTS, 10K-RPM,FANUC)
主轴传动(無中心油封, 15K-RPM,FANUC)

PART NUMBER
NV 000000202L

PAGE 1 OF 1

REV. A

SCALE 1:6

DATE 2007/5/20

FILE

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000000202L

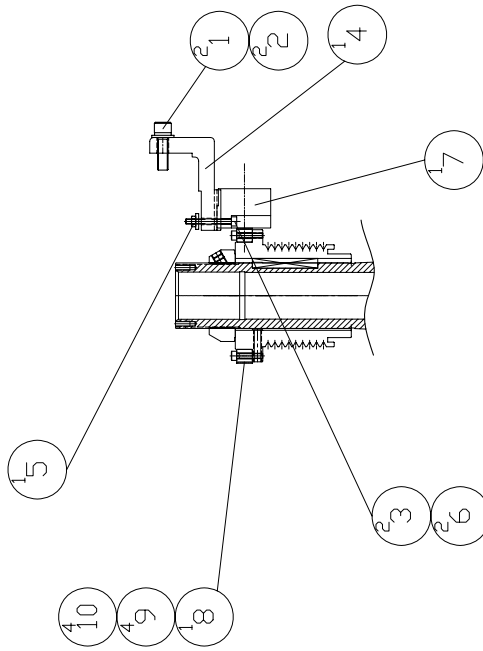
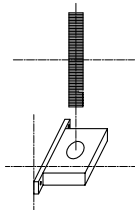
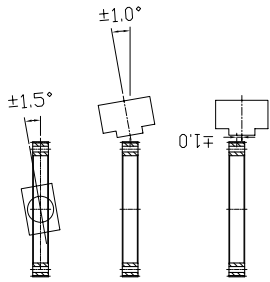
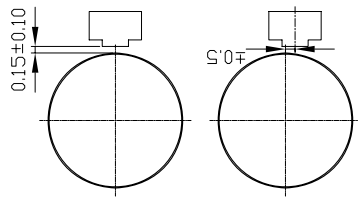
Description: SPINDLE TRAVERSE(15K-rpm)
主軸傳動(無中心給水,15K-RPM)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000291700A	BOOSTER CYLINDER	增壓缸	3TONSX13mm	1.00	ST
2.00	NV 000668400A	BOLT, SPINDLE	螺栓[凸肩螺絲]	M10X50	4.00	EA
3.00	NV 000733501	DISK SPRING	碟型彈簧	D20Xd10.2xL1.35(H0.8)	36.00	EA
4.00	MS 0104023	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL45	4.00	EA
5.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
6.00	NV 000048102L	BUSHING	襯套	D85Xd60xL17	1.00	ST
7.00	NV 000981300L	RING (#40)	拉環 (#40)	D134Xd73xL73	1.00	EA
8.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	6.00	EA
9.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
10.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	4.00	EA
11.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
12.00	NV 000199000L	PLATE, SPINDLE	固定板	D49Xd15XL2.3	1.00	EA
13.00	NV 000981302L	RING	拉環(浮動打刀)	D78Xd29XL19	1.00	EA
14.00	NV 000981328L	RING	拉環(主軸末端螺絲帽)	D72Xd40XL24	1.00	EA
16.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	8.00	EA
17.00	MS 0153824	HEX HD., FULL THD	六角頭螺絲	M8xP1.25xL50(FULL THD)	1.00	EA
18.00	MS 0154020	HEX HD. FULL THD	六角頭螺絲	M10XP1.5XL30	4.00	EA
19.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
20.00	MS 0104223	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M12XP1.75XL45	4.00	EA
21.00	MW 0184210	SPRING WASHER	彈簧墊圈	M12	4.00	EA

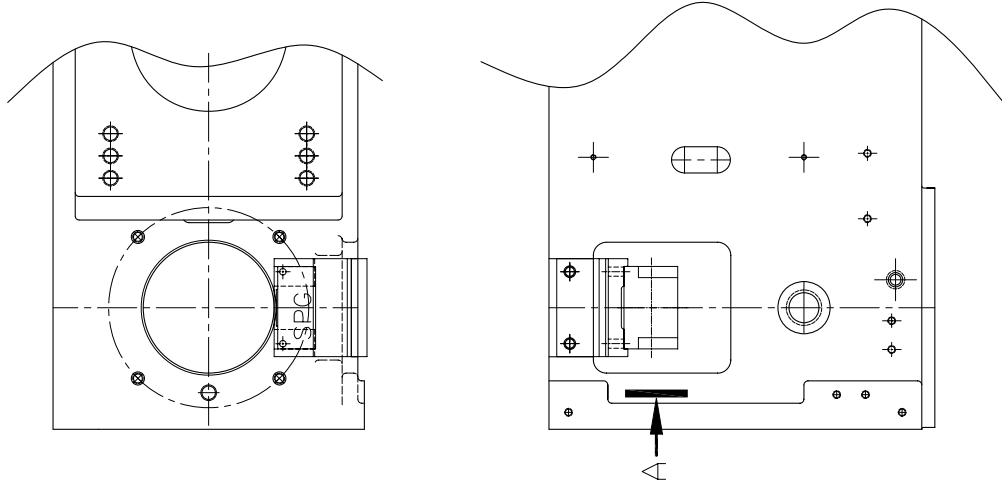
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
22.00	NV 000199096A	PLATE	墊塊(M12 washer)	D28xd13xt6 (M12 washer)	4.00	EA
23.00	NV 000026400L	HEADSTOCK	主軸箱	L661xW356xH381	1.00	EA
24.00	NVA000317766L	MOTOR PULLEY	馬達皮帶輪(15K/FANUC)	D117.5xd28xL82.8	1.00	EA
28.00	NV 00033460125	V-belt	皮帶	[BANDO] 6-5MS 775(3+3)	1.00	ST
32.00	NVA000199034A	PLATE	固定板	L45xW10xH5	2.00	EA
33.00	MS 0103419	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL25	4.00	EA
34.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
40.00	NV 00098132601	self-centering, KEYLESS CONNec	自動校心型免鍵式軸環	SES-28	1.00	EA
41.00	MN 0113810	HEXAGON NUT	六角螺帽	M8xP1.25	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	標放	2005/11/21	574



A-VIEW



MODEL: VMC480#40 & VMC480APC#40		SCALE: 1:6
PART NAME: SPINDLE ORIENTATION		SCALE: 1:6
PART NUMBER: NV 001178001L		SCALE: 1:6
DATE: 2005/11/21		SCALE: 1:6
DRAWN BY: 三串由定		SCALE: 1:6
DATE: 2005/11/21		SCALE: 1:6
PAGE: 1 OF 1		SCALE: 1:6
REV: A		SCALE: 1:6

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 001178001L

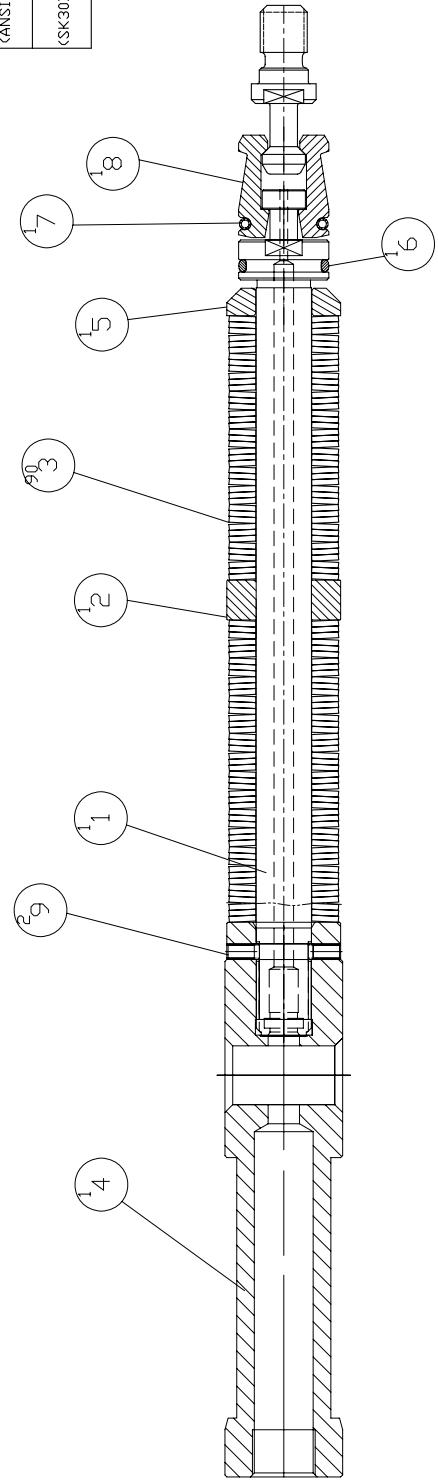
Description: SPINDLE POSITIONING
主軸定位

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	2.00	EA
2.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
3.00	MS 0103420	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL30	2.00	EA
4.00	NV 001066102L	BRACKET, ENCODER	計數器固定座	L74.9xW71xH54.4	1.00	EA
5.00	NV 000199005A	PLATE, ENCODER	計速器固定板	L70XW12XH2.3	1.00	EA
6.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
7.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
8.00	MS 0103418	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL20	4.00	EA

REV	DESCRIPTION	DATE	ECN
A	新設計	2007/1/1	583

刀具座(9)

(BT30)	NV_000253608J	QTY	20
	1.SWING ARM ATC		14
	2.TURRET ATC		14
(CT30)	NV_000253609J	QTY	20
	1.SWING ARM ATC		14
	2.TURRET ATC		14
(ANSI30)	NV_000253605J	QTY	20
	1.SWING ARM ATC		14
	2.TURRET ATC		14
(SK30)	NVA000253610J	QTY	20
	1.SWING ARM ATC		14
	2.TURRET ATC		14



MODEL: DT 480/710	
PART NAME	PART NUMBER
DRAWBAR ASSM(w/ CTS, BT/CT/ANSI30/SK30)	NV 000048504J
主軸拉桿中心機件, BT/CT/ANSI30/SK30	PAGE 1 OF 1
DATE 2007/1/1	REV. A
SCALE 1:2	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000048504J

Description: DRAWBAR (w/CTS, BT/CT/ANSI30)
主軸拉桿(中心給水, BT/CT/ANSI30)

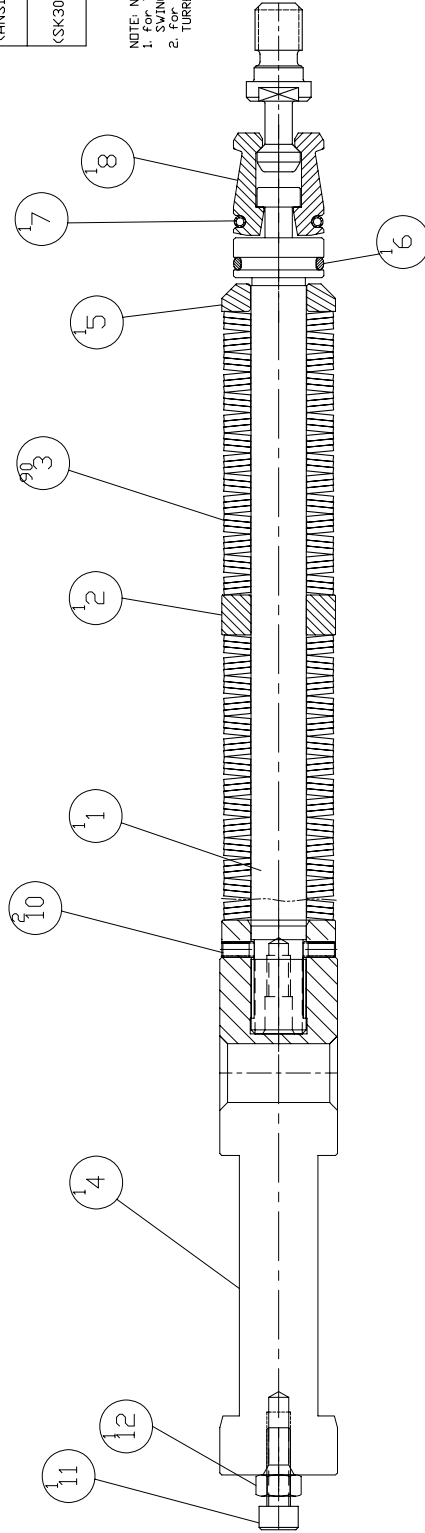
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000048004J	DRAWBAR, THR SPD COOLANT(w/CTS	拉桿(中心給水)	D30Xd15XL355.6	1.00	ST
2.00	NV 000417307J	SPACER, DISK SPRING	碟型彈簧墊圈	D29Xd14.1XL10.2	1.00	EA
3.00	NV 00073350109	SHOT PEENED DISK SPRING(28x14.	珠擊碟型彈簧片(28x14.2x1.5)	28x14.2x1.5(shot peen)	90.00	EA
4.00	NV 001042112J	ADAPTER, DRAWBAR(CTS)	連桿固定座(中心給水)	D30xd8xL141.4	1.00	EA
5.00	NV 000417304J	WASHER, THRUST	墊圈	D29Xd14.3XL8	1.00	EA
6.00	NV 00094310134	O-RING	O型油環	[NOK] 4DP18(VITON)	1.00	EA
7.00	NV 000733519	SPRING, RETENTION KNOB	抓刀彈簧(#30)	D2.9xd0.5xL41	1.00	EA
8.00	NV 000806300J	HOLDER, RETENTION KNOB(BT30/CT	45度抓刀爪(BT30/CT30/ANSI30)	D23xd7.5xL26.1	1.00	EA
9.00	MS 0553414	SOC SET, CUP POINT	杯型端固定螺絲	M4xP0.7XL8	2.00	EA
10.00	NV 00094310512	O-RING	O型油環	P7	1.00	EA

REV	DESCRIPTION	DATE	ENCL
A	標準図	2007/07/15	79

刀具座(9)

REV	DESCRIPTION	QTY
NV_000253606J	ISWING ARM ATC	20
2.TURRET ATC		14
NV_000253607J	ISWING ARM ATC	20
2.TURRET ATC		14
NV_000253604J	ISWING ARM ATC	20
2.TURRET ATC		14
NVA000253610J	ISWING ARM ATC	20
2.TURRET ATC		14

NOTE: NV_000253606J
 1. SWING ARM ATC: QTY=20
 2. TURRET ATC: QTY=14



MODEL: DT300/480/710

PART NAME
 DRAW/BAR ASSM(w/o CTS, BT/CT/ANSI30/SK30)
 主軸座無中心端, BT/CT/ANSI30/SK30

DATE 2004/8/31
 SHEET 1 OF 1
 SCALE 1:2
 REV. A

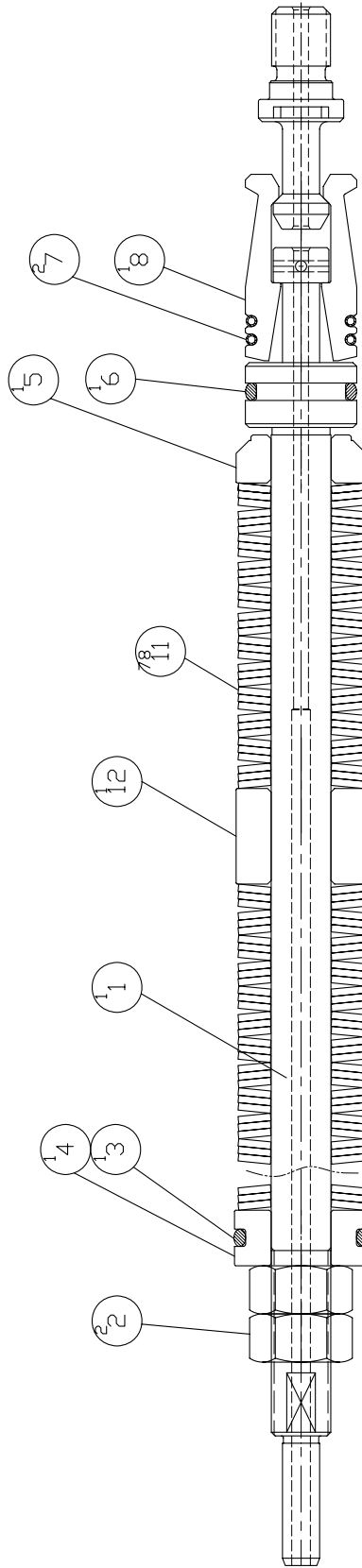
PART NUMBER
 NV 000048501J
 PAGE 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000048501J
 Description: DRAWBAR (w/o CTS, BT/CT/ANSI30)
 主軸拉桿(無中心給水, BT/CT/ANSI30)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000048000J	DRAWBAR(BT30/CT30/ANSI30)	拉桿(BT30/CT30/ANSI30)	D25Xd11XL215.7	1.00	ST
2.00	NV 000417307J	SPACER, DISK SPRING	碟型彈簧墊圈	D29Xd14.1XL10.2	1.00	EA
3.00	NV 00073350109	SHOT PEENED DISK SPRING(28x14.	珠擊碟型彈簧片(28x14.2x1.5)	28x14.2x1.5(shot peen)	90.00	EA
4.01	NVA001042100J	ADAPTER, DRAWBAR	連桿固定座	D30xd20xL141.4	1.00	EA
5.00	NV 000417304J	WASHER, THRUST	墊圈	D29Xd14.3XL8	1.00	EA
6.00	NV 00094310134	O-RING	O型油環	[NOK] 4DP18(VITON)	1.00	EA
7.00	NV 000733519	SPRING, RETENTION KNOB	抓刀彈簧(#30)	D2.9xd0.5xL41	1.00	EA
8.00	NV 000806300J	HOLDER, RETENTION KNOB(BT30/CT	45度抓刀爪(BT30/CT30/ANSI30)	D23xd7.5xL26.1	1.00	EA
10.00	MS 0553414	SOC SET, CUP POINT	杯型端固定螺絲	M4xP0.7XL8	2.00	EA
11.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	1.00	EA
12.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	1.00	EA

REV	DESCRIPTION	DATE	ENCL
A	標準加工	2007/5/10	579



MODEL: VMC-480/710

PART NAME
DRAWBAR ASSM(w/CTS, BT/CT/ANSI/SK40)
主軸立棒 中心給水, BT/CT/ANSI/SK40

PART NUMBER
NV 000048504L

PAGE 1 OF 1

REV. A

SCALE 1:2

DATE 2004/8/31

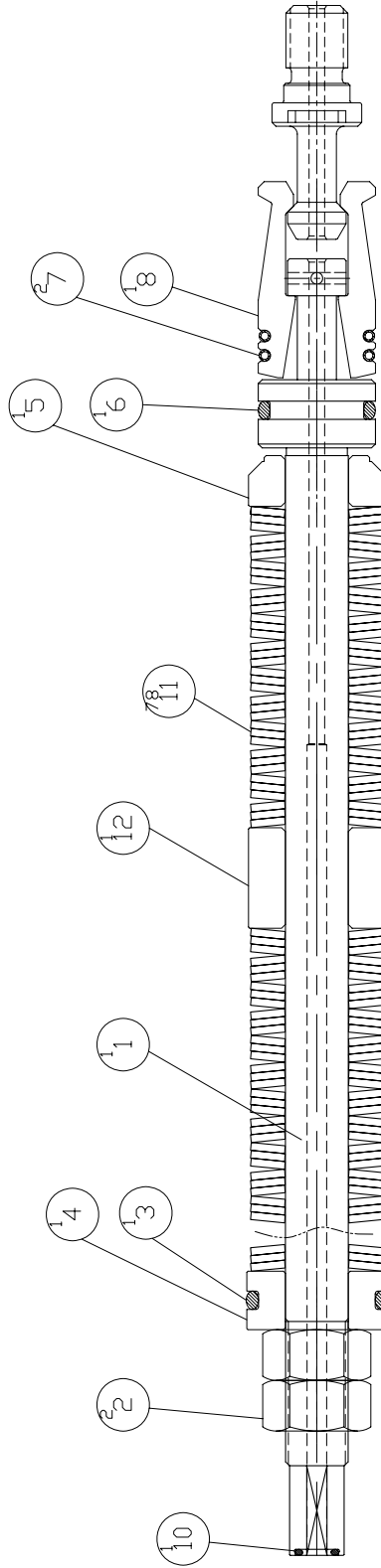
DESIGNED BY
CHECKED BY
APPROVED BY

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000048504L
Description: DRAWBAR (w/CTS, BT/CT/ANSI/SK4
主軸拉桿(中心給水, BT/CT/ANSI/SK40)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000048001L	DRAWBAR, THR SPD COOLANT(BT40/	拉桿(中心給水)(BT40/CT40/ANSI40)	D30Xd15XL355.6	1.00	ST
2.00	MN 0114510	HEXGON NUT	六角螺帽	M16xP1.5	2.00	EA
3.00	NV 00094310133	O-RING	O型油環	[NOK] 4DP30(VITON)	1.00	EA
4.00	NV 000048100L	BUSHING	襯套	D35.9Xd16.1XL15	1.00	ST
5.00	NV 000417304L	WASHER, THRUST	墊圈	D35Xd16.3XL13	1.00	EA
6.00	NV 00094310130	O-RING	O型油環	[NOK] 4DP24(VITON)	1.00	EA
7.00	NVA000733502	SPRING, RETENTION KNOB	抓刀彈簧	D2.9xd1.95xL51	2.00	EA
8.00	NV 000806300L	HOLDER, RETENTION KNOB(BT40/CT	45度抓刀爪(BT40/CT40/ANSI40)	D30xd12xL50.3	1.00	EA
11.00	NV 00073350110	SHOT PEENED DISK SPRING(34x16.	珠擊碟型彈簧片(34x16.3x2)	34x16.3x2(shot peen)	78.00	EA
12.00	NV 000417307L	SPACER, DISK SPRING	碟型彈簧墊圈	D35Xd16.1XL25.8	1.00	EA

REV	DESCRIPTION	DATE	ENCL
A	標準図	2007/5/10	5/7



MODEL: VMC-480/710

PART NAME	PART NUMBER
DRAWBAR ASSM(w/o CTS, BT/CT/ANSI/SK40)	NV 000048501L
主軸芯無中心線水, BT/CT/ANSI/SK40	PAGE 1 OF 1
DATE 2004/8/31	REV. A
SHERRY PULL	SCALE 1:2

PRODUCT BOM MASTER AND SUB-ITEMS LIST

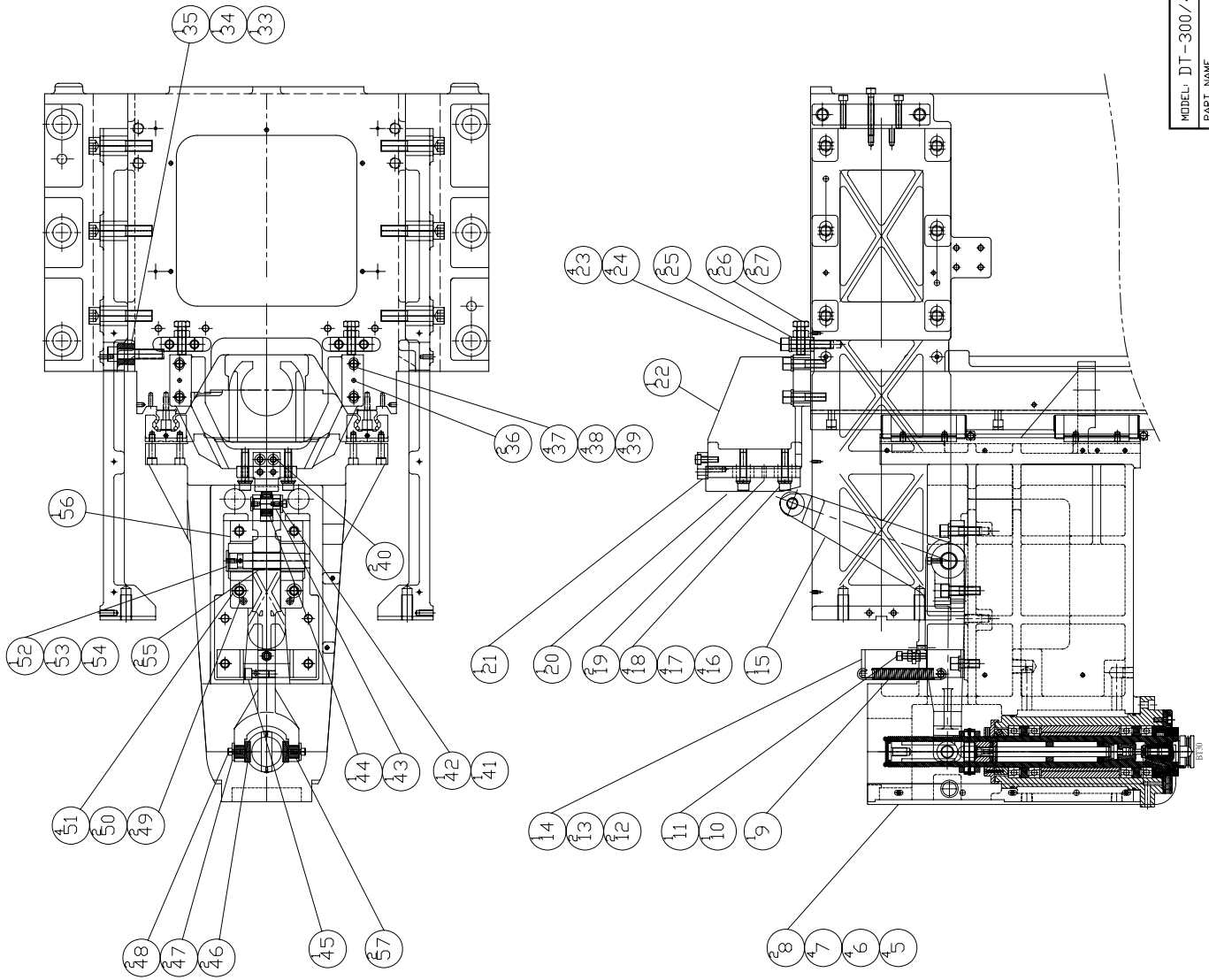
Master Item Part NO.: NV 000048501L

Description: DRAWBAR (w/o CTS, BT/CT/ANSI/S

主軸拉桿(無中心給水, BT/CT/ANSI/SK40)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000048000L	DRAWBAR(BT40/CT40/ANSI40)	拉桿(BT40/CT40/ANSI40)	D30Xd15XL332.6	1.00	ST
2.00	MN 0114510	HEXAGON NUT	六角螺帽	M16xP1.5	2.00	EA
3.00	NV 00094310133	O-RING	O型油環	[NOK] 4DP30(VITON)	1.00	EA
4.00	NV 000048100L	BUSHING	襯套	D35.9Xd16.1XL15	1.00	ST
5.00	NV 000417304L	WASHER, THRUST	墊圈	D35Xd16.3XL13	1.00	EA
6.00	NV 00094310130	O-RING	O型油環	[NOK] 4DP24(VITON)	1.00	EA
7.00	NVA000733502	SPRING, RETENTION KNOB	抓刀彈簧	D2.9xd1.95xL51	2.00	EA
8.00	NV 000806300L	HOLDER, RETENTION KNOB(BT40/CT	45度抓刀爪(BT40/CT40/ANSI40)	D30xd12xL50.3	1.00	EA
10.00	NV 00094310101	O-RING	O型油環	[JIS] P8, Hs70 (NOK)	1.00	EA
11.00	NV 00073350110	SHOT PEENED DISK SPRING(34x16.	珠擊碟型彈簧片(34x16.3x2)	34x16.3x2(shot peen)	78.00	EA
12.00	NV 000417307L	SPACER, DISK SPRING	碟型彈簧墊圈	D35Xd16.1XL25.8	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	機架加工(NV 0009832602) 886/7/24	886/7/24	111



MODEL: DT-300/480/710

PART NAME

TOOL CLAMPING DEVICE(TURRET ATC)

打刀機架(輻射式ATC)

PART NUMBER

NV 000321002J

PAGE 1 OF 1

REV. A

SCALE 1:10

DATE 2004/8/18

SHERRY

PHL

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000321002J

Description: TOOL CLAMPING DEVICE(TURRET AT
打刀機構(輻射式ATC))

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
5.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
6.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
7.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
8.00	NV 001059004J	RETAINER, TURRET ARM	夾刀臂壓板(#30)	L444XW86xH5	2.00	EA
9.00	NV 000733520J	TENSIONAL SPRING	拉力彈簧	D16xd2.6xL110	1.00	EA
10.00	MN 0114710	HEXAGON NUT	六角螺帽	M18xP1.5	1.00	EA
11.00	MS 0103821	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL35	1.00	EA
12.00	MW 0184210	SPRING WASHER	彈簧墊圈	M12	2.00	EA
13.00	MS 0104220	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M12xP1.75xL30	2.00	EA
14.01	NV 000599060J	FIXTURE,TOOL CLAMPING	打刀臂固定架	L143xW40xH140	1.00	EA
15.01	NV 001066170J	CLAMPING ARM	打刀臂	L392xW99xH269	1.00	EA
16.00	MW 0104010	FLAT WASHER	平墊圈	M10	4.00	EA
17.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
18.00	MS 0104023	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL45	4.00	EA
19.00	NV 00032530103	TAPER PIN	斜銷	Φ6x32L	2.00	EA
20.01	NV 000403873J	BLOCK,TOOL CLAMPING	打刀塊	L128xW86xH40	1.00	EA
21.00	NV 000648106J	ADJUSTING BLOCK,CLAMPING BLOCK	調整塊(打刀塊)	L39xW38xH15	1.00	EA
22.00	NV 001066176J	BRACKET,CLAMPING	打刀固定座(TURRET)	L279xW168xH146	1.00	EA
23.00	MS 0104226	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M12xP1.75xL60	4.00	EA
24.00	MW 0184210	SPRING WASHER	彈簧墊圈	M12	4.00	EA

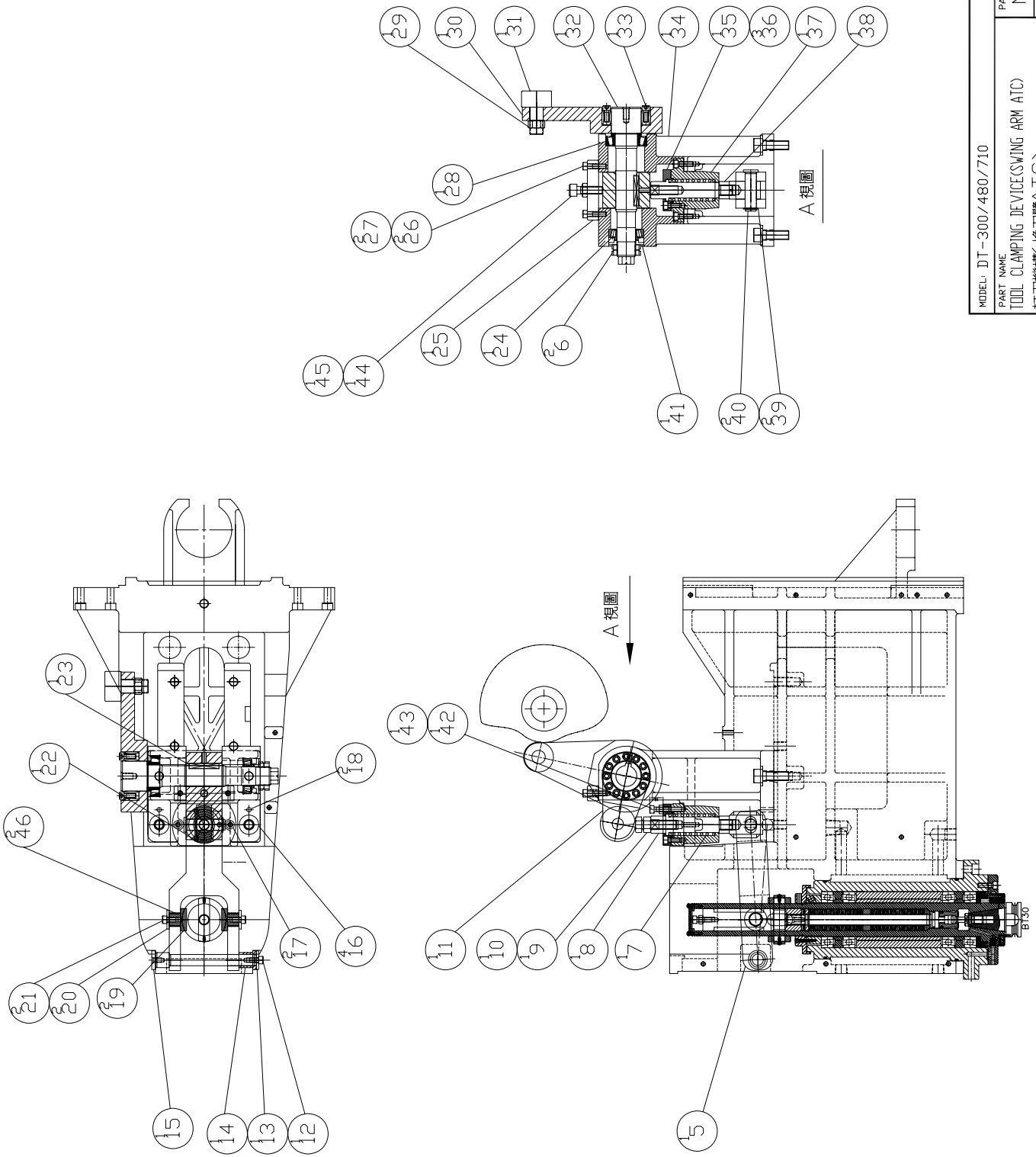
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
25.00	NV 000648104J	ADJUSTING BLOCK,CLAMPING BRACK	打刀固定座調整塊	L60xW33xH20	2.00	EA
26.00	MS 0154222	HEX HD., FULL THD	六角頭螺絲	M12XP1.75XL40	2.00	EA
27.00	MN 0114210	HEXGON NUT	六角螺帽	M12xP1.75	2.00	EA
33.00	MW 0184410	SPRINGE WASHER	彈簧墊圈	M14	1.00	EA
34.00	MS 0104427	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M14XP2.0XL65	1.00	EA
35.00	NV 000753313J	SUPPORT ROD, TURRET ATC	定位塊	D30xd17xL25	1.00	EA
36.00	NV 00032530103	TAPER PIN	斜銷	Φ6x32L	2.00	EA
37.00	MS 0104224	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M12xP1.75xL50	4.00	EA
38.00	MW 0184210	SPRING WASHER	彈簧墊圈	M12	4.00	EA
39.00	MW 0104210	FLAT WASHER	平墊圈	M12(d13xD34)	4.00	EA
40.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	2.00	EA
41.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	1.00	EA
42.00	NV 000599059J	WASHER,TOOL CLAMPING	墊片	D25Xd6.6XH3	1.00	EA
43.00	NV 000403867J	SHAFT	打刀滾輪心軸	D20xd15xL42.9	1.00	EA
44.00	NV 00002660247	TAPER ROLLER BEARING(TURRET AT	滾針軸承(幅射式刀倉-打刀)	[IKO] NAST 15 ZZR	1.00	EA
45.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	1.00	EA
46.01	NV 000403872J	WHEEL ,CLAMPING ARM	打刀輪軸	D30Xd16XL23.2	2.00	EA
47.00	NV 000599059J	WASHER,TOOL CLAMPING	墊片	D25Xd6.6XH3	2.00	EA
48.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
49.00	NV 00032530102	TAPER PIN	斜銷	Φ6x57	2.00	EA
50.00	MW 0184210	SPRING WASHER	彈簧墊圈	M12	2.00	EA
51.00	MS 0104223	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M12XP1.75XL45	4.00	EA
52.00	NV 000403868J	SHAFT	打刀臂心軸	D30xd22xL113	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
53.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	1.00	EA
54.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	1.00	EA
55.00	NV 00120690108	BUSHING, OILES BEARING	含油軸承	LFB-2215	2.00	EA
56.00	NV 001066171J	BRACKET, CLAMPING ARM(TURRET)	打刀臂支撐座(TURRET)	L123xW110xH47.5	1.00	EA
57.00	NV 00120690111	SELF-LUBRICATING BEARING	自潤軸承	OILES LFB1615	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	AWAJDH46(NV 0009832602) 886/724	111	



MODEL: DT-300/480/710	PART NUMBER	REV. A
PART NAME	NV 000321001J	PAGE 1 OF 1
TOOL CLAMPING DEVICE(SWING ARM ATC)		
打刀機構 換刀臂(ATC)		
DATE 2004/8/5	SCALE 1:8	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000321001J

Description: TOOL CLAMPING DEVICE(SWING ARM
打刀機構(換刀臂ATC))

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
5.01	NV 000965308J	CLAMPING ARM	打刀臂	L213xW93x40	1.00	EA
6.00	NV 000049211A	LOCKNUT	鎖緊螺帽	AN05(M25xP1.5)Φ38x17	2.00	EA
7.00	NV 000733521J	COMPRESSED SPRING	壓縮彈簧	D28.5xd3.5xL70.5	1.00	EA
8.01	NV 000403876J	SHAFT,SPRING	彈簧心軸	D28.5Xd14XL93	1.00	EA
9.00	MN 0114210	HEXAGON NUT	六角螺帽	M12xP1.75	1.00	EA
10.00	MS 0154221	HEX HD., FULL THD	六角頭螺絲	M12XP1.75XL35	1.00	EA
11.00	NV 000965307J	DRIVER ARM, TOOL CIAMPING	凸輪端下打刀臂	116.5xL48	1.00	EA
12.00	NV 000599059J	WASHER,TOOL CLAMPING	墊片	D25Xd6.6XH3	1.00	EA
13.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	1.00	EA
14.00	NV 000403875J	BEARING, FULCRUM OF CLAMPING	打刀軸承	D23Xd15XL23.4	1.00	EA
15.00	NV 000403874J	SHAFT, FULCRUM OF CLAMPING	打刀樞軸	D23Xd15XL151	1.00	EA
16.00	MS 0104221	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M12xP1.75xL35	4.00	EA
17.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
18.00	NV 00032530403	SPRING PIN	彈簧銷	Φ6x30	2.00	EA
19.01	NV 000403872J	WHEEL ,CLAMPING ARM	打刀輪軸	D30Xd16XL23.2	2.00	EA
20.00	NV 000599059J	WASHER,TOOL CLAMPING	墊片	D25Xd6.6XH3	2.00	EA
21.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
22.00	NV 000403869J	WHEEL, TOOL CLAMPING	打刀輪	D47xd20xL19.5	1.00	EA
23.00	NV 00061150115	SUNK KEY	雙圓頭平行鍵	L40xW8xH7	1.00	EA
24.00	NV 00002660213	Tapered roller bearings	圓錐滾子軸承	32005	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

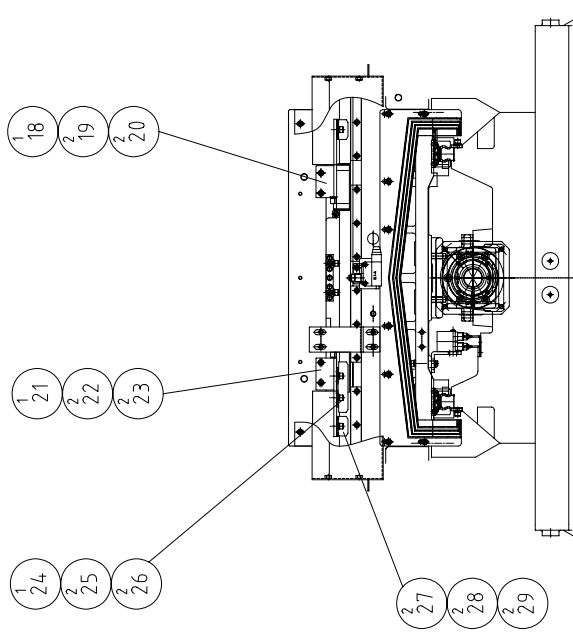
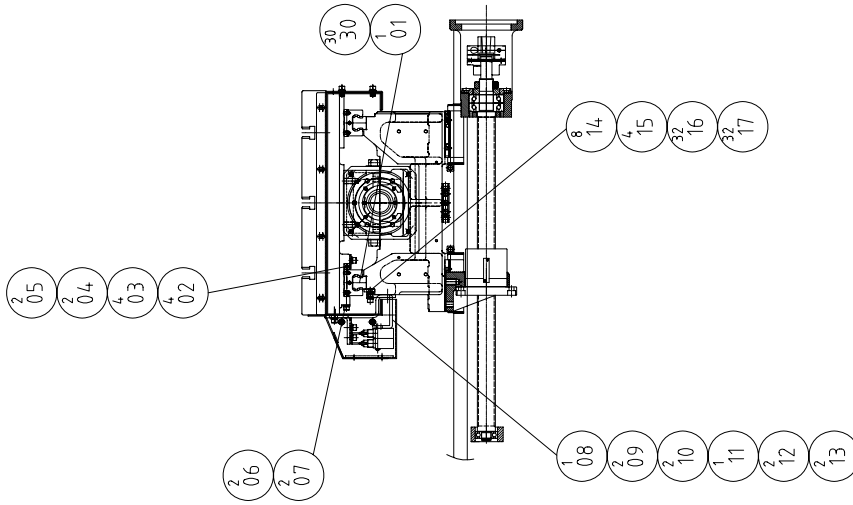
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
25.00	NV 000648105J	bridle	限動塊	L80xW19xH15	1.00	EA
26.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	2.00	EA
27.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
28.00	NV 00002660232	Tapered roller bearings	圓錐滾子軸承	32006	1.00	EA
29.00	MN 0114710	HEXAGON NUT	六角螺帽	M18xP1.5	1.00	EA
30.00	NV 000965306J	DRIVER ARM, TOOL CIAMPING	凸輪端上打刀臂	188x96xL35	2.00	EA
31.00	NV 00002660503	CAM FOLLOWER(SWING ARM ATC)	從動凸輪軸承(換刀臂式ATC)	(IKO)CF 18 UUR(D40xL58)	1.00	EA
32.00	NV 000403871J	SHAFT	軸(打刀座)	D40xd25xL200	1.00	EA
33.00	NV 00098131402	KEYLESS CONNECTION	錐形環鍵	[羅昇]TLK-200,40x65 (DΦ65xdΦ40xL	1.00	EA
34.00	NV 001066172J	SEAT, CLAMPING(SWING ARM)	打刀臂支撐座(SWING ARM)	L150xW133.7xH234.3	1.00	EA
35.00	NV 001042111J	COVER,SPRING SEAT	彈簧座上蓋	D55Xd29XL13.5	1.00	EA
36.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
37.01	NV 001042110J	SEAT,SPRING	彈簧座(打刀用)	D85Xd21XL64	1.00	EA
38.01	NV 001042109J	ADAPTER,TOOL CLAMPING	打刀接頭	L35xW55xH23.8	1.00	EA
39.00	NV 00082310303	RING, E-RETAINING	E型外扣	E-10	2.00	EA
40.00	NV 000403877J	SHAFT, TOOL CLAMPING	打刀座心軸	D20xd15xL55	2.00	EA
41.00	NV 001021567J	COVER, CLAMPING SHAFT	打刀座後軸蓋	D46.8Xd25xL6	1.00	EA
42.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	1.00	EA
43.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	1.00	EA
44.00	MS 0104021	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL35	1.00	EA
45.00	MN 0113910	HEXAGON NUT	六角螺帽	M10xP1.25	1.00	EA
46.00	NV 00120690111	SELF-LUBRICATING BEARING	自潤軸承	OILES LFB1615	2.00	EA

Chapter 2

XYZ 結構

XYZ Structure

REV	DESCRIPTION	DATE	ECK
A	环境方针	2007/8/27	579



MODEL: DT-480/VMC-480

PART NAME: X-AXIS POSITIONING
X轴定位

PAGE: 1 OF 1

REV: A

SCALE: 1:14

DATE: 2007/8/27

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004601J

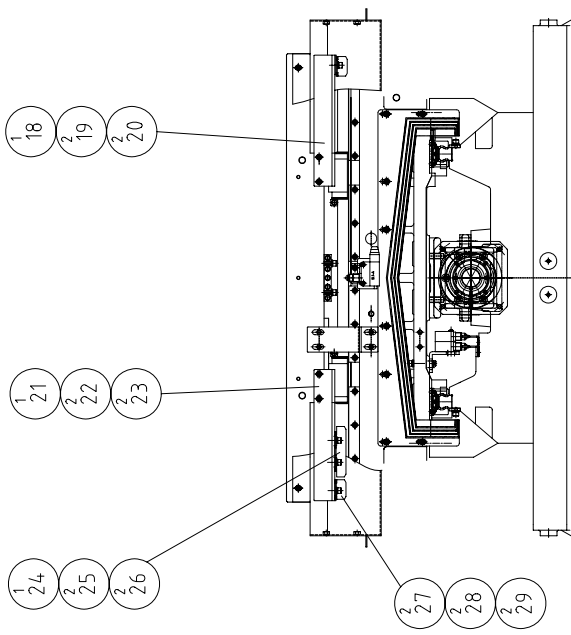
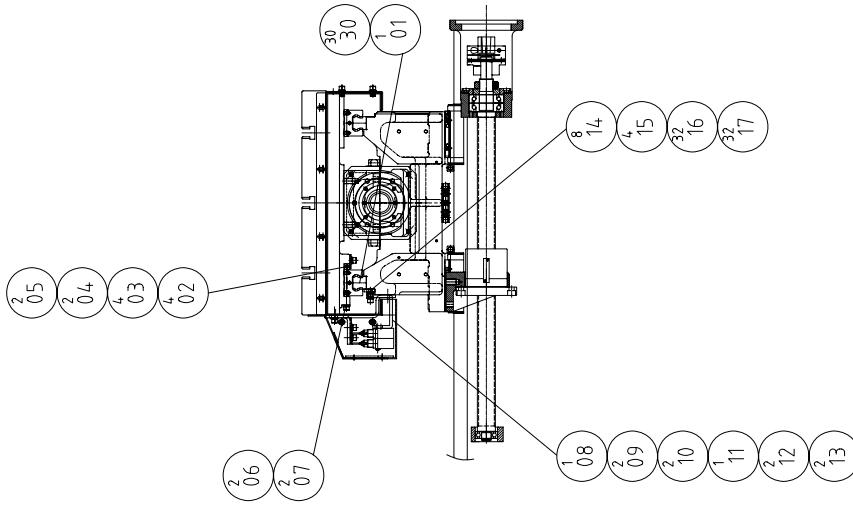
Description: X-AXIS POSITIONING
X軸定位

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000831601J	LINEAR GUIDE, X-AXIS	X軸線性滑軌	[Tsubaki]H25ERB2T3-1060C3W2-3/	1.00	ST
2.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
4.00	NV 000199038J	RETAINER, GIB SHIM	壓板	L76xW25xH2.3	2.00	EA
5.00	NV 000648100J	GIB,GUIDE TRUCK	調整塊	L76xW100xH10	2.00	EA
6.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
7.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
8.00	NV 000199027J	SEAT, Switch	開關座	L54xW70xH46	1.00	EA
9.00	MS 0103424	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL50	2.00	EA
10.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
11.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
12.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
13.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
14.00	NV 000199035J	RETAINER, GUIDE RAIL	壓板	L136xW19xH5	8.00	EA
15.00	NV 000199036J	RETAINER, GUIDE RAIL	壓板	L76xW19xH5	4.00	EA
16.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	32.00	EA
17.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	32.00	EA
18.00	NV 000199021J	SEAT, DOG	終點定位座	L140xW47xH39.3	1.00	EA
19.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
20.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.01	NV 000199022J	SEAT, DOG	原點定位座	L140xW47xH39.3	1.00	EA
22.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
23.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
24.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA
25.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
26.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
27.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	2.00	EA
28.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
29.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
30.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	30.00	EA

REV	DESCRIPTION	DATE	ECK
A		2007/8/27	RNV/0000



MODEL: DT-480/VMC-480

PART NAME
X-AXIS POSITIONING
X轴定位

PART NUMBER
NV 000004601K

DATE 2007/8/27

SCALE 1:14

REV. A

PAGE 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004601K

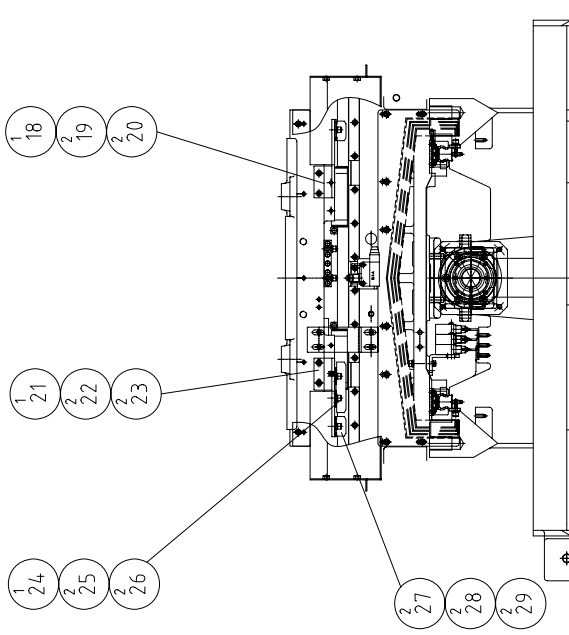
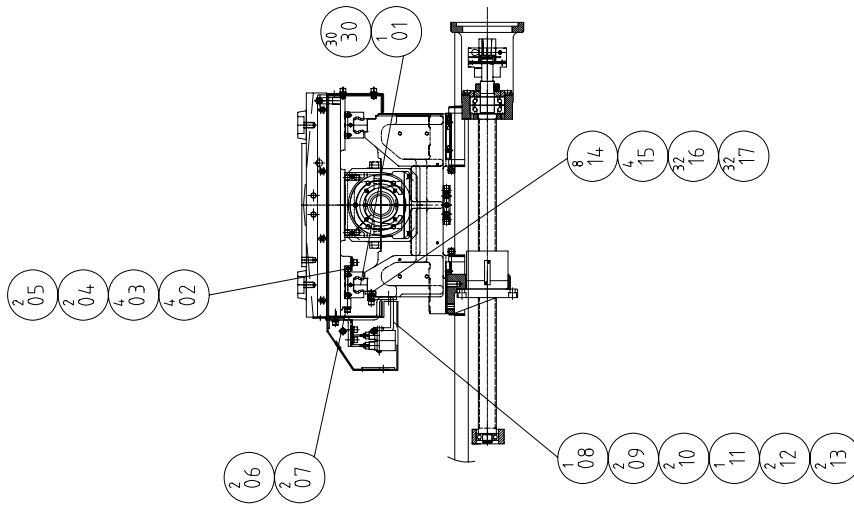
Description: X-AXIS POSITIONING
X軸定位

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000831601K	LINEAR GUIDE, X-AXIS	X軸線性滑軌	[Tsubaki]H25ERB2T3-1300C3W2-3/	1.00	ST
2.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
4.00	NV 000199038J	RETAINER, GIB SHIM	壓板	L76xW25xH2.3	2.00	EA
5.00	NV 000648100J	GIB,GUIDE TRUCK	調整塊	L76xW100xH10	2.00	EA
6.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
7.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
8.00	NV 000199027J	SEAT, Switch	開關座	L54xW70xH46	1.00	EA
9.00	MS 0103424	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL50	2.00	EA
10.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
11.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
12.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
13.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
14.00	NV 000199035J	RETAINER, GUIDE RAIL	壓板	L136xW19xH5	8.00	EA
15.00	NV 000199036J	RETAINER, GUIDE RAIL	壓板	L76xW19xH5	4.00	EA
16.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	32.00	EA
17.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	32.00	EA
18.00	NV 000199021K	L234xW47xH39.3	終點定位座	終點定位座	1.00	EA
19.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
20.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 000199022K	SEAT, DOG	原點定位座	L140xW47xH39.3	1.00	EA
22.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
23.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
24.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA
25.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
26.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
27.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	2.00	EA
28.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
29.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
30.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	30.00	EA

REV	DESCRIPTION	DATE	ECK
A	环境方针	2007/07/15	7



MODEL: DT-480/YMC-480

PART NAME: X-AXIS POSITIONING, APC
 X轴定位, APC

PART NUMBER: NV 000004622J

PAGE: 1 OF 1

REV: A

SCALE: 1:14

DATE: 2005/8/30

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004622J

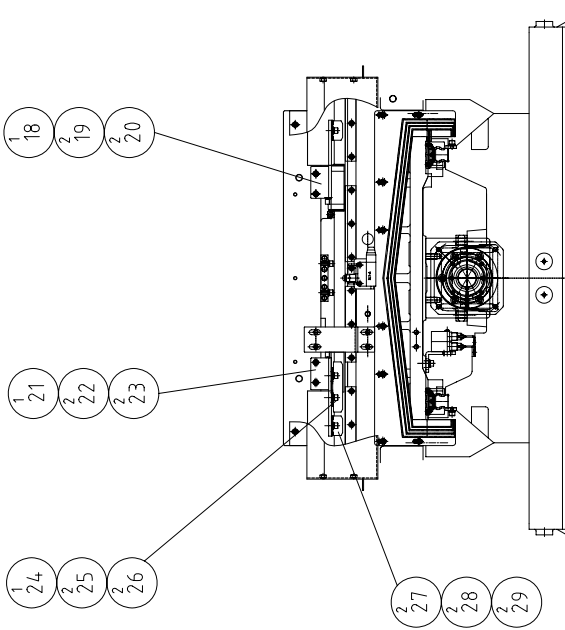
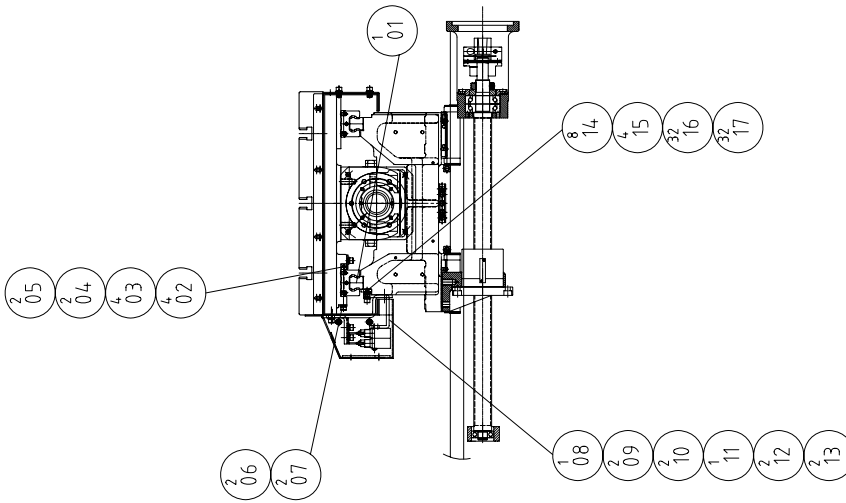
Description: X-AXIS POSITIONING, APC
X軸定位, APC

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000831606J	LINEAR GUIDE, X-AXIS,APC	X軸線性滑軌,APC	[Tsubaki]H25LERB2T3-1060C3W2-3	1.00	ST
2.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
4.00	NV 000199038J	RETAINER, GIB SHIM	壓板	L76xW25xH2.3	2.00	EA
5.00	NV 000648100J	GIB,GUIDE TRUCK	調整塊	L76xW100xH10	2.00	EA
6.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
7.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
8.00	NV 000199027J	SEAT, Switch	開關座	L54xW70xH46	1.00	EA
9.00	MS 0103424	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL50	2.00	EA
10.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
11.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
12.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
13.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
14.00	NV 000199035J	RETAINER, GUIDE RAIL	壓板	L136xW19xH5	8.00	EA
15.00	NV 000199036J	RETAINER, GUIDE RAIL	壓板	L76xW19xH5	4.00	EA
16.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	32.00	EA
17.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	32.00	EA
18.00	NV 000199021J	SEAT, DOG	終點定位座	L140xW47xH39.3	1.00	EA
19.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
20.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.01	NV 000199022J	SEAT, DOG	原點定位座	L140xW47xH39.3	1.00	EA
22.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
23.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
24.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA
25.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
26.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
27.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	2.00	EA
28.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
29.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
30.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	30.00	EA

REV	DESCRIPTION	DATE	ECK
A	探検方交	2007/8/7	579



MODEL: DT-480 / VMC-480

PART NAME
X-AXIS POSITIONING (NSK)
X 串轴定位 (NSK)

PART NUMBER
NV 000004609J

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REV. A

SCALE 1:15

DATE 2007/8/27

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004609J

Description: X-AXIS POSITIONING (NSK)

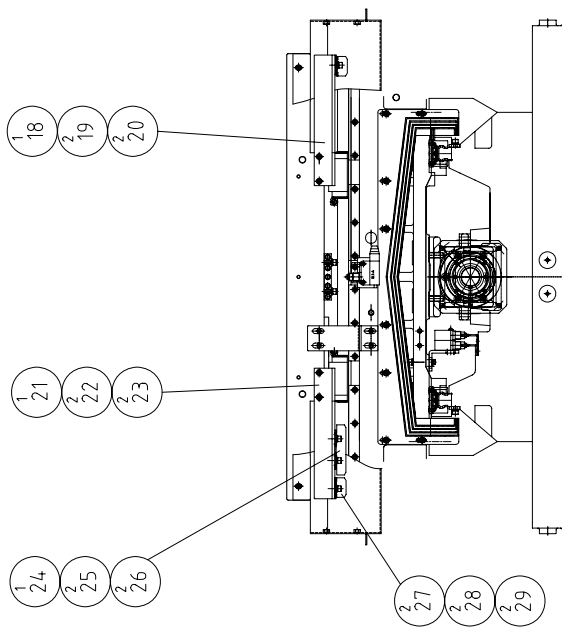
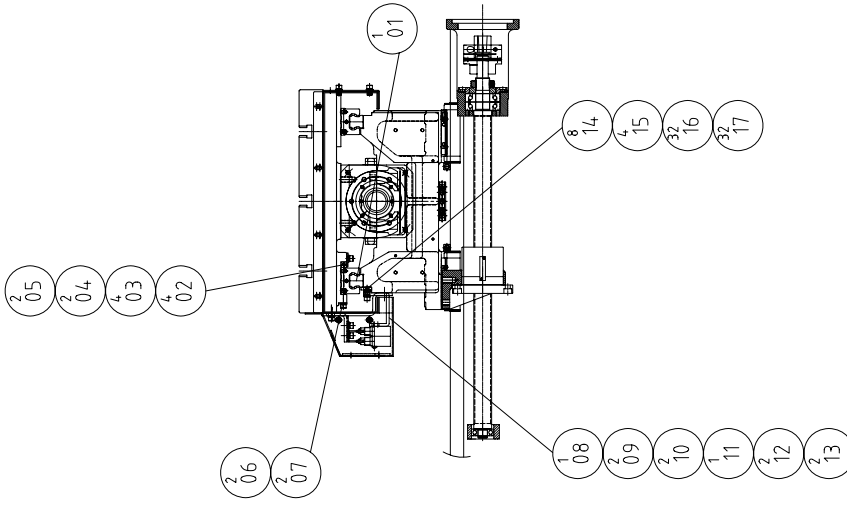
X軸定位 (NSK)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000831605J	LINEAR GUIDE, X-AXIS	X軸線性滑軌	[NSK]LH251060ANC2B05P63	1.00	ST
2.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
4.00	NV 000199038J	RETAINER, GIB SHIM	壓板	L76xW25xH2.3	2.00	EA
5.00	NV 000648100J	GIB,GUIDE TRUCK	調整塊	L76xW100xH10	2.00	EA
6.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
7.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
8.00	NV 000199027J	SEAT, Switch	開關座	L54xW70xH46	1.00	EA
9.00	MS 0103424	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL50	2.00	EA
10.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
11.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
12.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
13.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
14.00	NV 000199035J	RETAINER, GUIDE RAIL	壓板	L136xW19xH5	8.00	EA
15.00	NV 000199036J	RETAINER, GUIDE RAIL	壓板	L76xW19xH5	4.00	EA
16.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	32.00	EA
17.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	32.00	EA
18.00	NV 000199021J	SEAT, DOG	終點定位座	L140xW47xH39.3	1.00	EA
19.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
20.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.01	NV 000199022J	SEAT, DOG	原點定位座	L140xW47xH39.3	1.00	EA
22.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
23.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
24.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA
25.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
26.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
27.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	1.00	EA
28.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
29.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA

REV	DESCRIPTION	DATE	ECK
A	零件表	2007/8/27	BNVJ0000



MODEL: DT-710 / VMC-710

PART NAME
X-AXIS POSITIONING (NSK)
X 串轴定位 (NSK)

PART NUMBER
NV 000004609K

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SCALE 1:15

DATE 2007/8/27

REV. A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004609K

Description: X-AXIS POSITIONING (NSK)

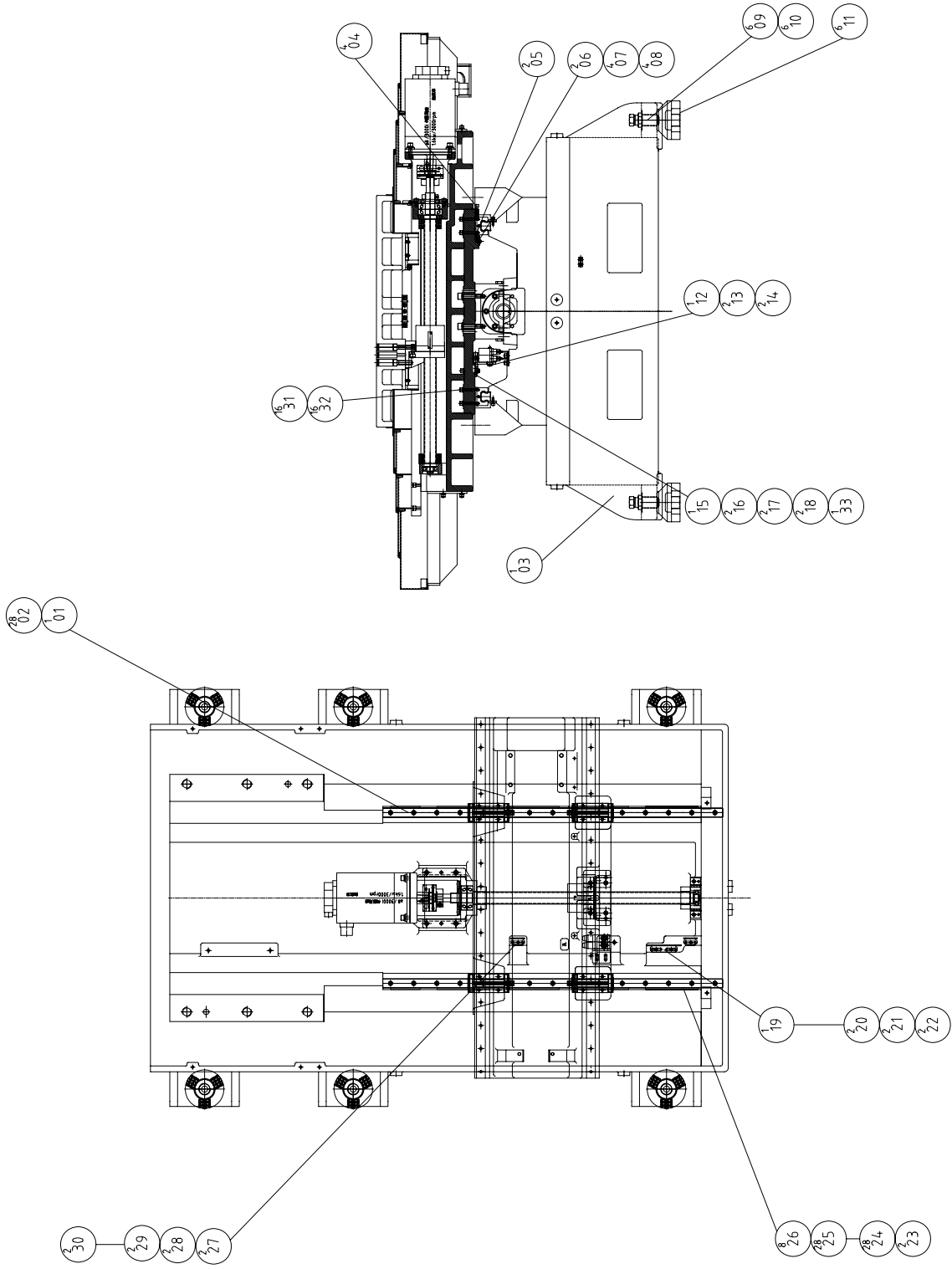
X軸定位 (NSK)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000831605K	LINEAR GUIDE, X-AXIS	X軸線性滑軌	[NSK]LH251300ANC2B05P63	1.00	ST
2.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
4.00	NV 000199038J	RETAINER, GIB SHIM	壓板	L76xW25xH2.3	2.00	EA
5.00	NV 000648100J	GIB,GUIDE TRUCK	調整塊	L76xW100xH10	2.00	EA
6.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
7.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
8.00	NV 000199027J	SEAT, Switch	開關座	L54xW70xH46	1.00	EA
9.00	MS 0103424	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL50	2.00	EA
10.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
11.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
12.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
13.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
14.00	NV 000199035J	RETAINER, GUIDE RAIL	壓板	L136xW19xH5	8.00	EA
15.00	NV 000199036J	RETAINER, GUIDE RAIL	壓板	L76xW19xH5	4.00	EA
16.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	32.00	EA
17.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	32.00	EA
18.00	NV 000199021K	L234xW47xH39.3	終點定位座	終點定位座	1.00	EA
19.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
20.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 000199022K	SEAT, DOG	原點定位座	L140xW47xH39.3	1.00	EA
22.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
23.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
24.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA
25.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
26.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
27.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	2.00	EA
28.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
29.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA

REV	DESCRIPTION	DATE	ECK
A	探傷方法	2007/8/7	579



MODEL: DT-300/480/710 / VMC-480/710	
PART NAME	PART NUMBER
Y-AXIS POSITIONING	NV 000004603J
Y 串動定位	PAGE 1 OF 1
DATE 2006/8/30	REV. A
SCALE 1:17	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004603J

Description: Y-AXIS POSITIONING

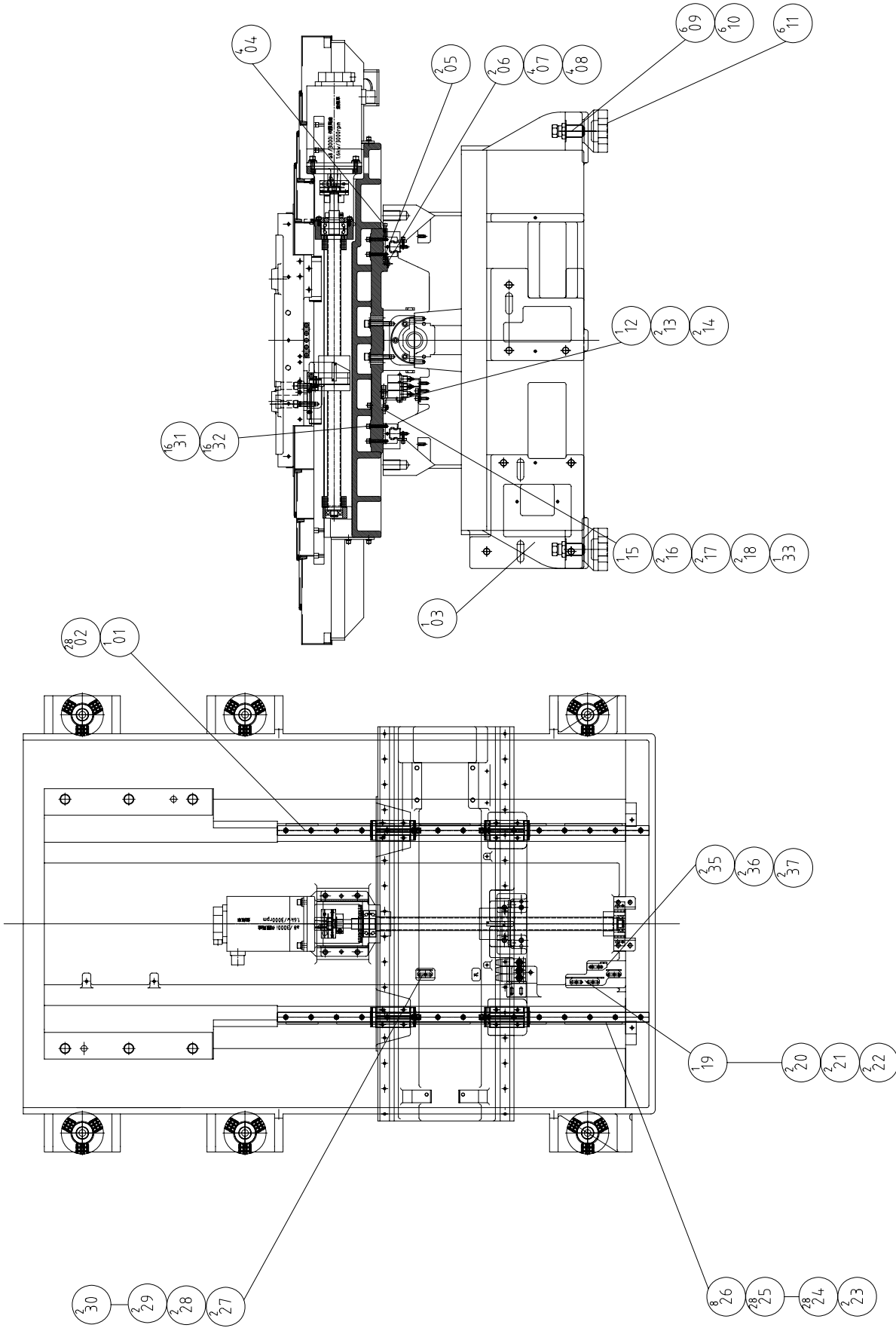
Y軸定位

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000831603J	LINEAR GUIDE, Y-AXIS	Y軸線性滑軌	[Tsubaki]H25LERB2T3-880C3W2-3/	1.00	ST
2.00	MS 0103620	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL30	28.00	EA
3.02	NVB000390000J	BASE	底座	L1446xW1080xH485	1.00	EA
4.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	4.00	EA
5.00	NV 000648100J	GIB,GUIDE TRUCK	調整塊	L76xW100xH10	2.00	EA
6.00	NV 000199038J	RETAINER, GIB SHIM	壓版	L76xW25xH2.3	2.00	EA
7.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	4.00	EA
8.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
9.00	NV 000668409A	SCREW, LEVELING	水平調整螺絲	W32xL87*P2	6.00	EA
10.00	NV 000049212A	NUT	螺帽	W41xL10	6.00	EA
11.00	NV 300199020J	PAD	墊塊	D100xL60	6.00	EA
12.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
13.00	MS 0103426	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL60	2.00	EA
14.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
15.00	NVA000199026J	SEAT, Switch	開關座(Y軸)	L46xW37xH53	1.00	EA
16.00	MS 0103522	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL40	2.00	EA
17.00	MW 0103510	FLAT WASHER	平墊圈	M5	2.00	EA
18.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	2.00	EA
19.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA
20.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
22.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
23.00	NV 000199036J	RETAINER, GUIDE RAIL	壓板	L76xW19xH5	2.00	EA
24.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	28.00	EA
25.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	28.00	EA
26.00	NV 000199035J	RETAINER, GUIDE RAIL	壓板	L136xW19xH5	8.00	EA
27.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
28.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
29.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
30.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	2.00	EA
31.00	MS 0103622	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL40	16.00	EA
32.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	16.00	EA
33.00	NV 000599084J	PLATE	固定板	L:25xW10	1.00	EA

REV	DESCRIPTION	DATE	ECK
A	探検方寸	2007/9/18	154



MODEL: DT-300/480/710 / VMC-480/710	
PART NAME	PART NUMBER
Y-AXIS POSITIONING, APC	NV 000004624J
Y軸定位, APC	PAGE 1 OF 1
DATE 2007/8/30	REV. A
SCALE 1:14	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004624J

Description: Y-AXIS POSITIONING, APC

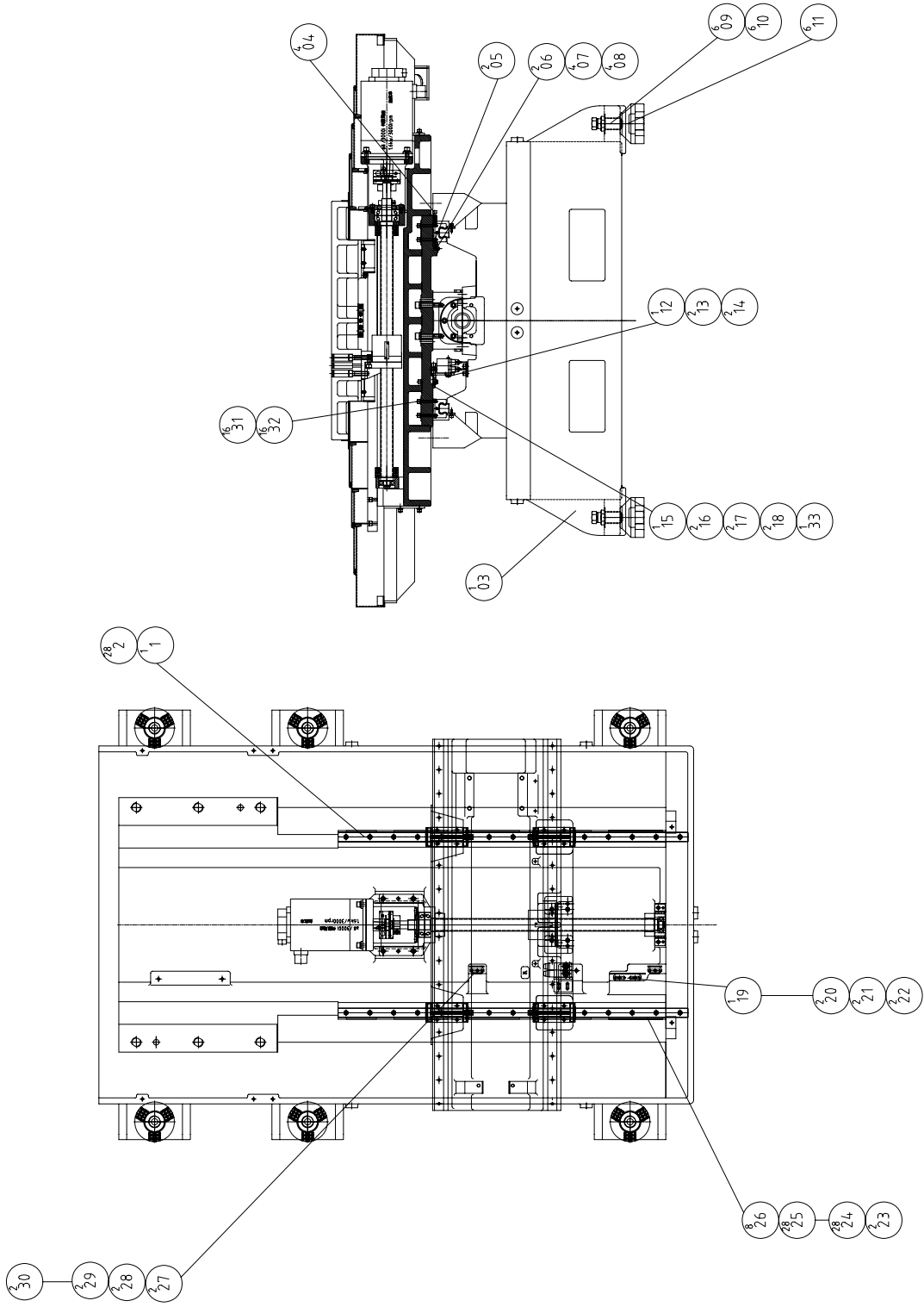
Y軸定位, APC

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000831603J	LINEAR GUIDE, Y-AXIS	Y軸線性滑軌	[Tsubaki]H25LERB2T3-880C3W2-3/	1.00	ST
2.00	MS 0103620	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL30	28.00	EA
3.00	NVB000390000J	BASE	底座	L1446xW1080xH485	1.00	EA
4.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	4.00	EA
5.00	NV 000648100J	GIB,GUIDE TRUCK	調整塊	L76xW100xH10	2.00	EA
6.00	NV 000199038J	RETAINER, GIB SHIM	壓版	L76xW25xH2.3	2.00	EA
7.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	4.00	EA
8.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
9.00	NV 000668409A	SCREW, LEVELING	水平調整螺絲	W32xL87*P2	6.00	EA
10.00	NV 000049212A	NUT	螺帽	W41xL10	6.00	EA
11.00	NV 300199020J	PAD	墊塊	D100xL60	6.00	EA
12.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
13.00	MS 0103426	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL60	2.00	EA
14.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
15.00	NVA000199026J	SEAT, Switch	開關座(Y軸)	L46xW37xH53	1.00	EA
16.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	2.00	EA
17.00	MW 0103510	FLAT WASHER	平墊圈	M5	2.00	EA
18.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	2.00	EA
19.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA
20.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
22.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
23.00	NV 000199036J	RETAINER, GUIDE RAIL	壓板	L76xW19xH5	2.00	EA
24.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	28.00	EA
25.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	28.00	EA
26.00	NV 000199035J	RETAINER, GUIDE RAIL	壓板	L136xW19xH5	8.00	EA
27.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
28.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
29.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
30.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	2.00	EA
31.00	MS 0103622	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL40	16.00	EA
32.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	16.00	EA
33.00	NV 000599084J	PLATE	固定板	L:25xW10	1.00	EA
35.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
36.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
37.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA

REV	DESCRIPTION	DATE	ECK
A	探検方交	2007/5/17	579



MODEL: DT-300/480/710 / VMC-480/710	
PART NAME	PART NUMBER
Y-Axis POSITIONING (NSK)	NV 000004610J
Y 車固定位 (NSK)	PAGE 1 OF 1
DATE 2006/8/30	REV. A
DATE 2006/8/30	SCALE 1:17

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004610J

Description: Y-AXIS POSITIONING(NSK)

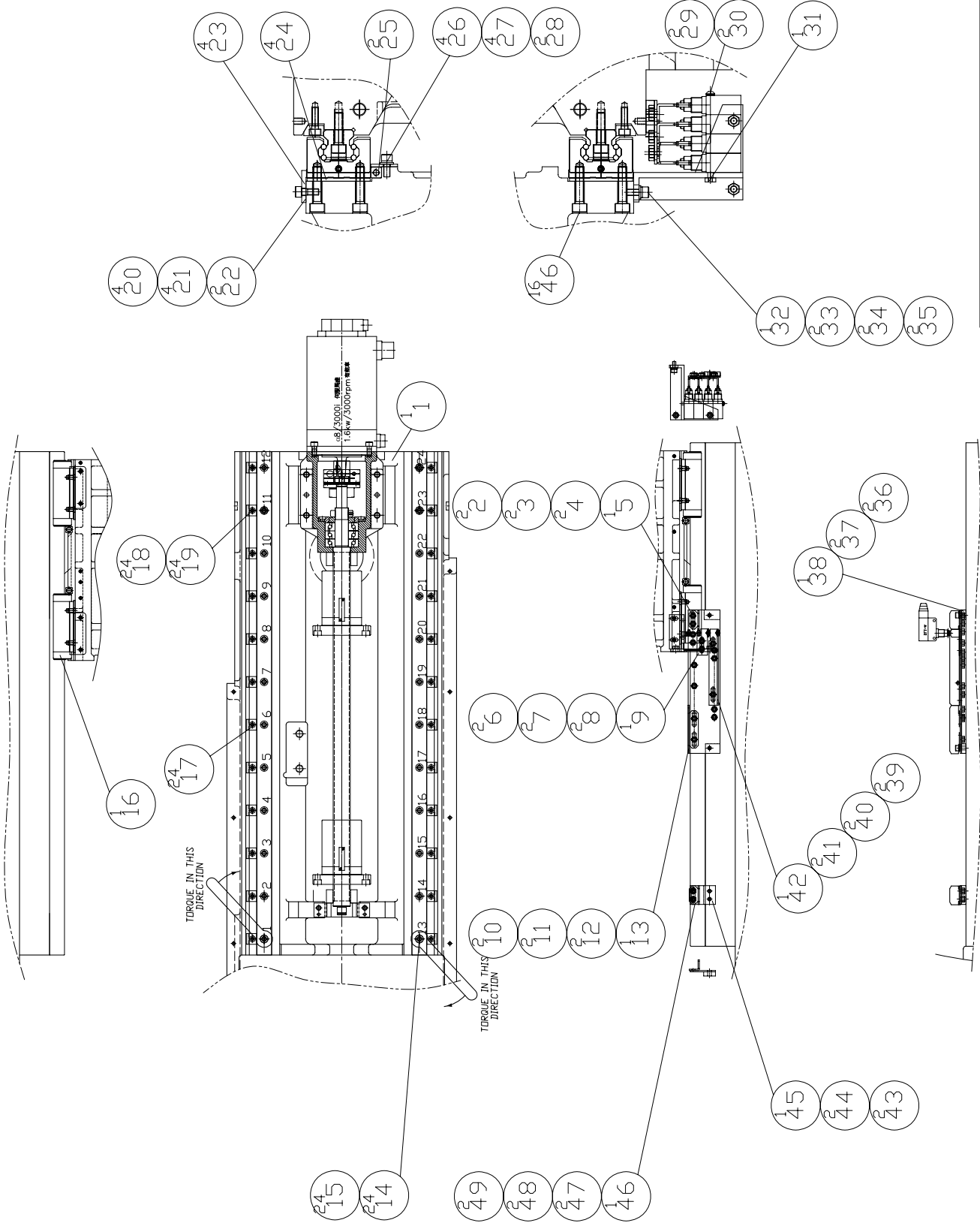
Y軸定位(NSK)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000831607J	LINEAR GUIDE, Y-AXIS	Y軸線性滑軌	[NSK]LY25BN0880BNC2B05P63	1.00	ST
2.00	MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	28.00	EA
3.01	NVB000390000J	BASE	底座	L1446xW1080xH485	1.00	EA
4.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	4.00	EA
5.00	NV 000648100J	GIB,GUIDE TRUCK	調整塊	L76xW100xH10	2.00	EA
6.00	NV 000199038J	RETAINER, GIB SHIM	壓版	L76xW25xH2.3	2.00	EA
7.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	4.00	EA
8.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
9.00	NV 000668409A	SCREW, LEVELING	水平調整螺絲	W32xL87*P2	6.00	EA
10.00	NV 000049212A	NUT	螺帽	W41xL10	6.00	EA
11.00	NV 300199020J	PAD	墊塊	D100xL60	6.00	EA
12.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
13.00	MS 0103426	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL60	2.00	EA
14.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
15.00	NVA000199026J	SEAT, Switch	開關座(Y軸)	L46xW37xH53	1.00	EA
16.00	MS 0103522	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL40	2.00	EA
17.00	MW 0103510	FLAT WASHER	平墊圈	M5	2.00	EA
18.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	2.00	EA
19.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA
20.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
22.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
23.00	NV 000199036J	RETAINER, GUIDE RAIL	壓板	L76xW19xH5	2.00	EA
24.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	28.00	EA
25.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	28.00	EA
26.00	NV 000199035J	RETAINER, GUIDE RAIL	壓板	L136xW19xH5	8.00	EA
27.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
28.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
29.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
30.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	2.00	EA
31.00	MS 0103622	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL40	16.00	EA
32.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	16.00	EA
33.00	NV 000599084J	PLATE	固定板	L:25xW10	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	機殼, 井 1 新行機殼座	2004/02/16	160



MODEL: DT-300/480/710
PART NAME Z-axis positioning(Turret) 串軸定位機殼座
PART NUMBER NV 000004701J
DATE 2004/9/3
SCALE 1:1
REV. A
PAGE 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004701J

Description: Z-AXIS POSITIONING (Turret)
Z軸定位(輻射式)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.02	NV 000184300J	COLUMN	立柱	L1315xW640xH475	1.00	EA
2.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
4.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
5.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	1.00	EA
6.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
7.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
8.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
9.00	NV 000199004J	DOG	換刀點DOG	L49XW22XH20	1.00	EA
10.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
11.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
12.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
13.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA
14.00	NV 001033111J	PLUG, LINEAR GUIDE	防塵蓋	(Φ11)	24.00	EA
15.00	MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	24.00	EA
16.00	NV 000831613J	LINEAR GUIDE, Z-AXIS	Z軸線性滑軌	[Tsubaki]H30LERB2T3-940C3W2-3/	1.00	ST
17.00	NV 001059000D	RETAINER, WEDGE	楔塊	L20xW18.5xH9.5	24.00	EA
18.00	MS 0103518	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL20	24.00	EA
19.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	24.00	EA
20.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA

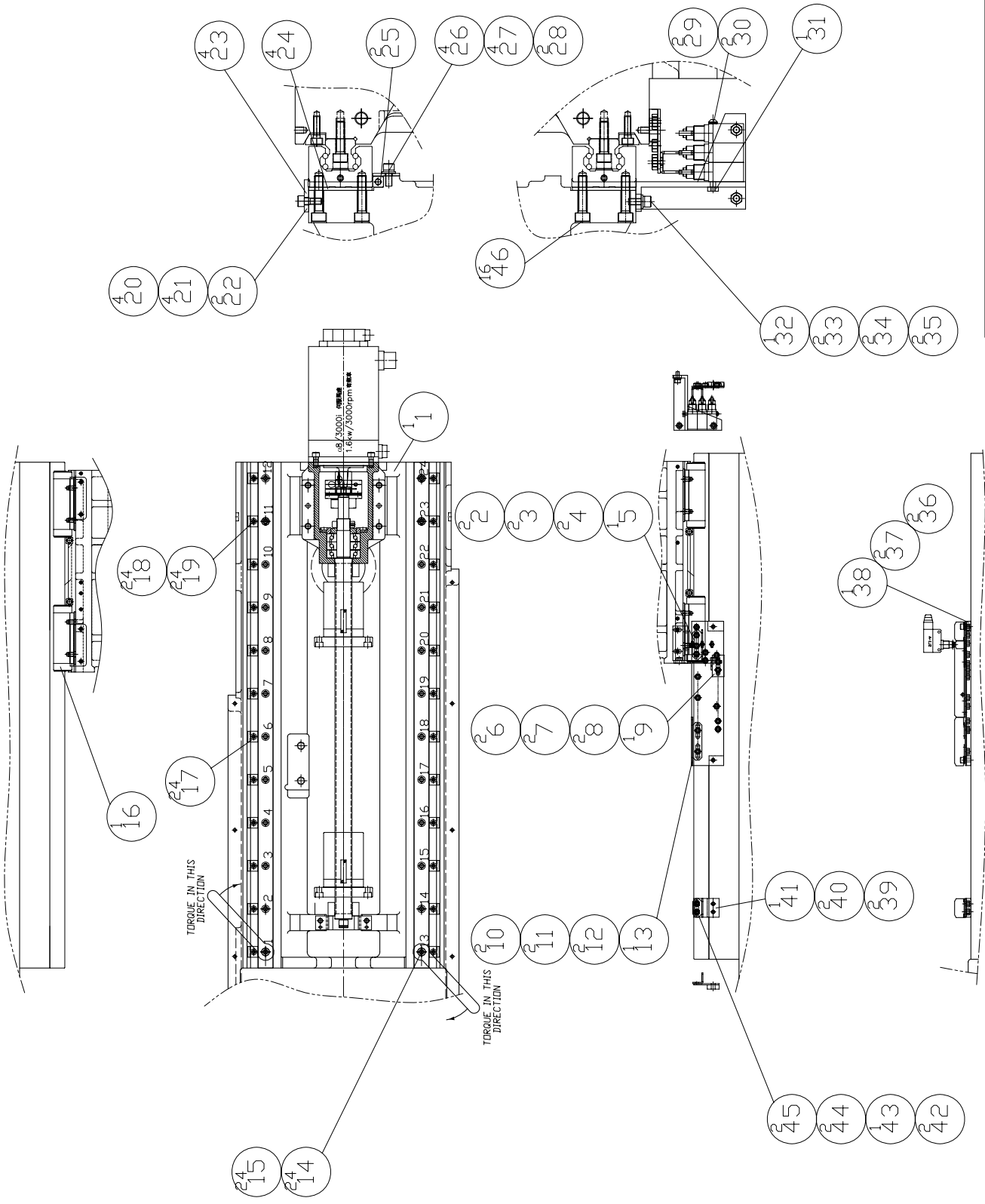
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	4.00	EA
22.00	NV 000199059J	RETAINER, TRUCK	Z軸滑塊壓板	L78XW30XH5	2.00	EA
23.00	MS 0103821	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL35	4.00	EA
24.00	NV 001108310J	SHIM, Z-AXIS TRUCK	Z軸墊片	L98xW59xT2.76	4.00	EA
25.00	NV 000648100J	GIB,GUIDE TRUCK	調整塊	L76xW100xH10	2.00	EA
26.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
27.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
28.00	NV 000199038J	RETAINER, GIB SHIM	壓版	L76xW25xH2.3	2.00	EA
29.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
30.00	MS 0103427	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL65	2.00	EA
31.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
32.00	NV 000199052J	SEAT,LIMIT SWITCH	極限開關固定架	L102xW88.7xH69.4	1.00	EA
33.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
34.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
35.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
36.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
37.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
38.00	NV 000199002J	BRACKET, SWITCH	換刀原點固定板	L268XW59.5XH10.3	1.00	EA
39.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
40.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
41.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
42.00	NV 000199003J	DOG	換刀緩衝DOG	L142XW17.5XH20	1.00	EA
43.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
44.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
45.00	NV 000199023J	SEAT, DOG	終點定位座	L142XW17.5XH20	1.00	EA
46.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	1.00	EA
47.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
48.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
49.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	機殼, 井 1 新行機殼座	2004/02/16	160



MODEL: DT-300/480/710	PART NUMBER	REV. A
PART NAME	NV 000004701JA	PAGE 1 OF 1
Z-AXIS POSITION(SWING ARM ATC)	串由定位置 換刀機構	SCALE 1:1
DATE 2004/9/3		

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004701JA

Description: Z-AXIS POSITIONING(Swing Arm A)
Z軸定位(換刀臂)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.02	NV 000184300J	COLUMN	立柱	L1315xW640xH475	1.00	EA
2.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
4.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
5.00	NV 000199019J	DOG	終點定位塊(Z軸)	L55xW19xH20	1.00	EA
6.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
7.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
8.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
9.00	NV 000199004A	DOG, ATC ORIGIN	換刀原點塊	L40xW24xH20	1.00	EA
10.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
11.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
12.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
13.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA
14.00	NV 001033111J	PLUG, LINEAR GUIDE	防塵蓋	(Φ11)	24.00	EA
15.00	MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	24.00	EA
16.00	NV 000831613J	LINEAR GUIDE, Z-AXIS	Z軸線性滑軌	[Tsubaki]H30LERB2T3-940C3W2-3/	1.00	ST
17.00	NV 001059000D	RETAINER, WEDGE	楔塊	L20xW18.5xH9.5	24.00	EA
18.00	MS 0103518	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL20	24.00	EA
19.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	24.00	EA
20.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA

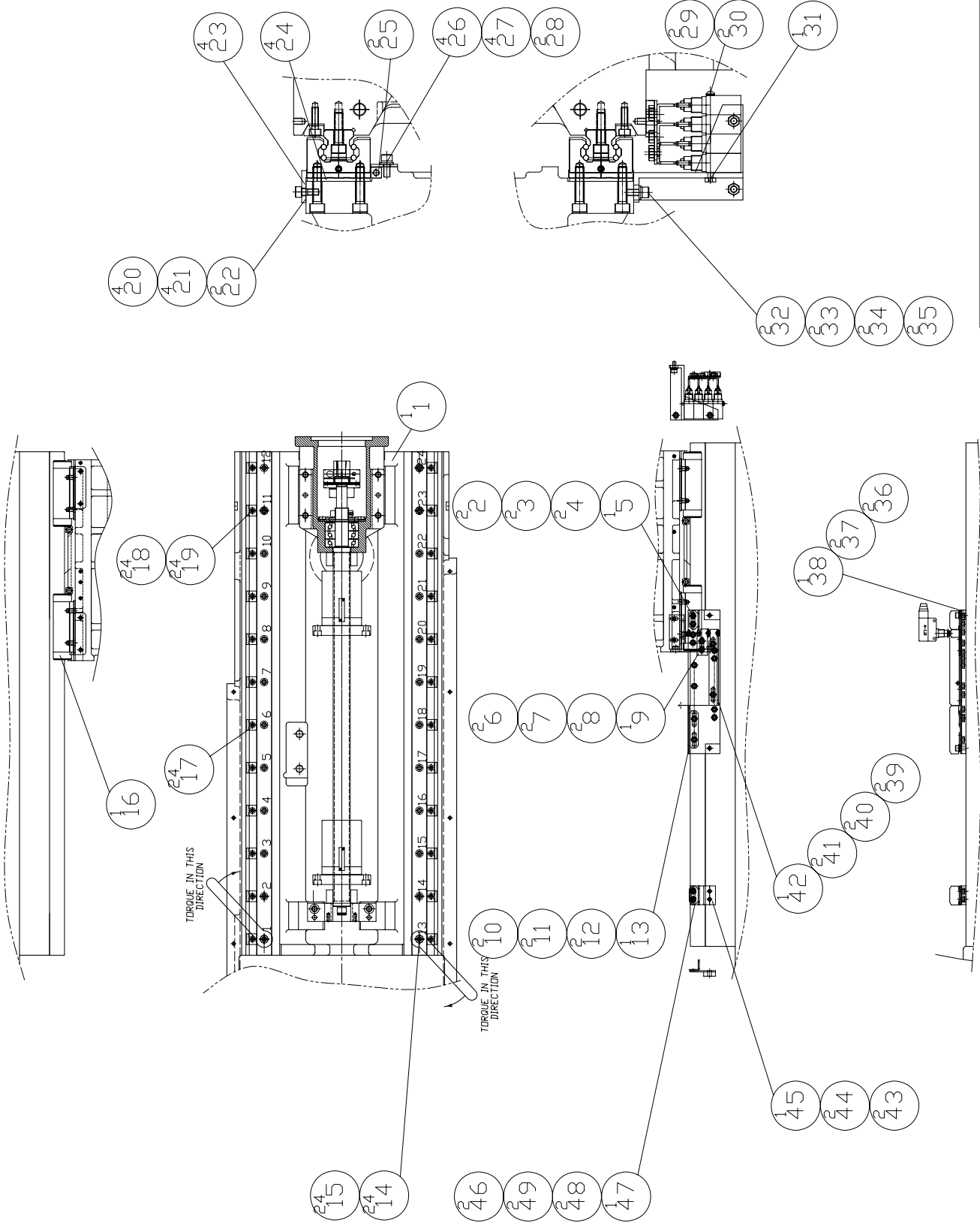
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	4.00	EA
22.00	NV 000199059J	RETAINER, TRUCK	Z軸滑塊壓板	L78XW30XH5	2.00	EA
23.00	MS 0103821	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL35	4.00	EA
24.00	NV 001108310J	SHIM, Z-AXIS TRUCK	Z軸墊片	L98xW59xT2.76	4.00	EA
25.00	NV 000648100J	GIB,GUIDE TRUCK	調整塊	L76xW100xH10	2.00	EA
26.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
27.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
28.00	NV 000199038J	RETAINER, GIB SHIM	壓版	L76xW25xH2.3	2.00	EA
29.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
30.00	MS 0103427	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL65	2.00	EA
31.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
32.00	NV 000199052J	SEAT,LIMIT SWITCH	極限開關固定架	L102xW88.7xH69.4	1.00	EA
33.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
34.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
35.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
36.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
37.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
38.00	NV 000199002J	BRACKET, SWITCH	換刀原點固定板	L268XW59.5XH10.3	1.00	EA
39.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
40.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
41.00	NV 000199023J	SEAT, DOG	終點定位座	L142XW17.5XH20	1.00	EA
42.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
43.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
44.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
45.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
46.00	MS 0103821	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL35	16.00	EA

REV	DESCRIPTION	DATE	ECN
A	機殼, 井 1 新付機殼座	2004/02/16	160



MODEL: DT300/480/710	PART NAME	PART NUMBER	REV. A
Z-axis positioning(Turret+NSK)	Z 軸定位(輻射式+NSK)	NV 000004705J	PAGE 1 OF 1
DATE 2004/9/3	SCALE 1:1		

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004705J

Description: Z-axis positioning(Turret +NSK)
Z軸定位(輻射式+NSK)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.02	NV 000184300J	COLUMN	立柱	L1315xW640xH475	1.00	EA
2.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
4.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
5.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	1.00	EA
6.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
7.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
8.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
9.00	NV 000199004J	DOG	換刀點DOG	L49xW22xH20	1.00	EA
10.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
11.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
12.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
13.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA
14.00	NV 001033109A	PLUG, LINEAR GUIDE	防塵蓋	[NSK]L45800008-003(Φ14)	24.00	EA
15.00	MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	24.00	EA
16.00	NV 000831609J	LINEAR GUIDE, Z-AXIS	Z軸線性滑軌	[NSK]LH300940BNC2B01P63	1.00	ST
17.00	NV 001059000D	RETAINER, WEDGE	楔塊	L20xW18.5xH9.5	24.00	EA
18.00	MS 0103518	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL20	24.00	EA
19.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	24.00	EA
20.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA

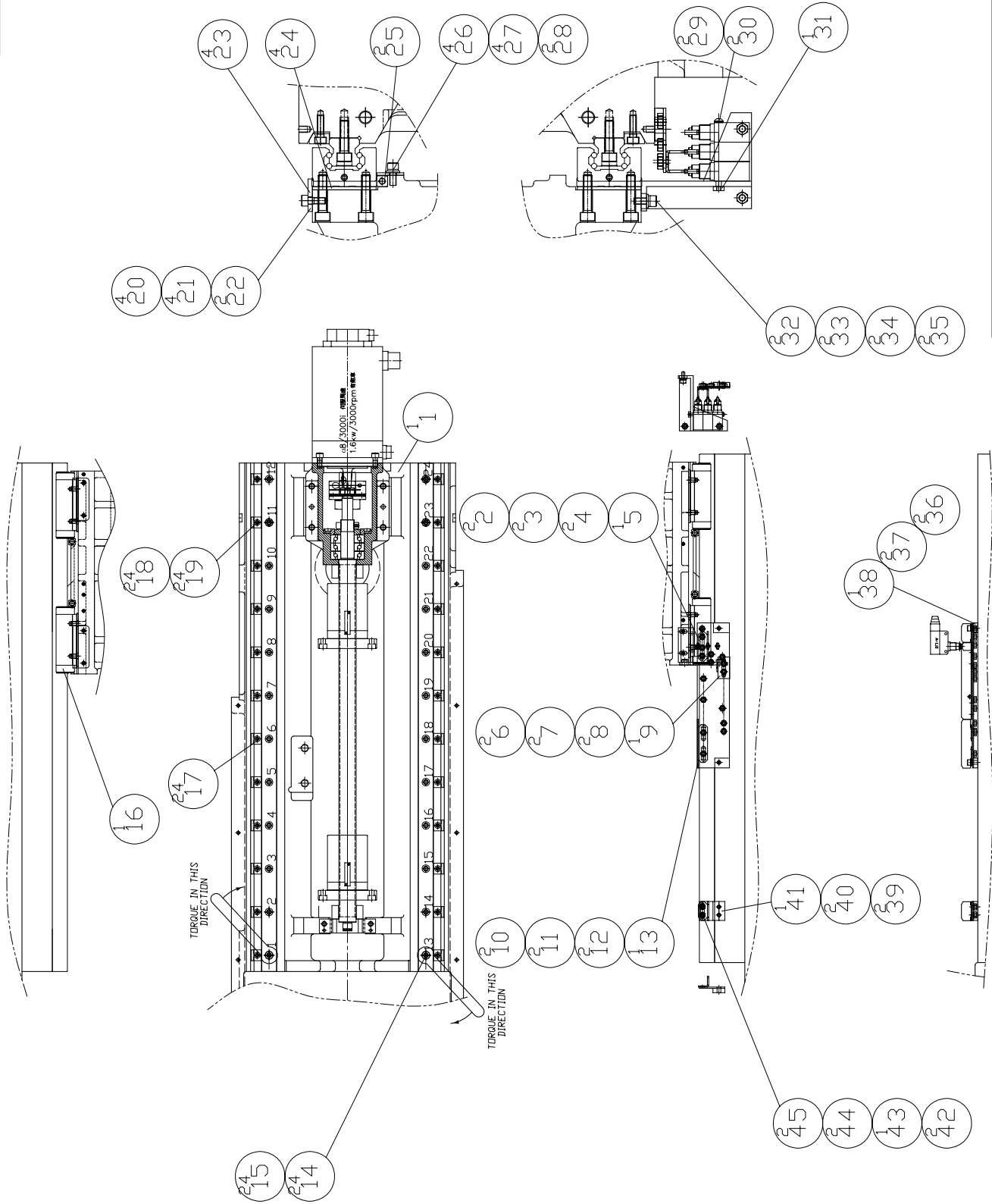
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	4.00	EA
22.00	NV 000199059J	RETAINER, TRUCK	Z軸滑塊壓板	L78XW30XH5	2.00	EA
23.00	MS 0103821	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL35	4.00	EA
24.00	NV 001108310J	SHIM, Z-AXIS TRUCK	Z軸墊片	L98xW59xT2.76	4.00	EA
25.00	NV 000648100J	GIB,GUIDE TRUCK	調整塊	L76xW100xH10	2.00	EA
26.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
27.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
28.00	NV 000199038J	RETAINER, GIB SHIM	壓版	L76xW25xH2.3	2.00	EA
29.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
30.00	MS 0103427	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL65	2.00	EA
31.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
32.00	NV 000199052J	SEAT,LIMIT SWITCH	極限開關固定架	L102xW88.7xH69.4	2.00	EA
33.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
34.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
35.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
36.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
37.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
38.00	NV 000199002J	BRACKET, SWITCH	換刀原點固定板	L268XW59.5XH10.3	1.00	EA
39.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
40.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
41.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
42.00	NV 000199003J	DOG	換刀緩衝DOG	L142XW17.5XH20	1.00	EA
43.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
44.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
45.00	NV 000199023J	SEAT, DOG	終點定位座	L142XW17.5XH20	1.00	EA
46.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	1.00	EA
47.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
48.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
49.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	機殼, 井 1 新行機殼座	2004/02/16	160



MODEL: DT300/480/710

PART NAME
Z-AXIS POSITION(SWING ARM ATC+NSK)
Z 軸定位(換刀臂式+NSK)

PART NUMBER
NV 000004705JA

PAGE 1 OF 1

REV. A

SCALE 1:1

DATE 2004/9/3

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004705JA

Description: Z-axis positioning (Swing Arm)
Z軸定位(換刀臂+NSK)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.02	NV 000184300J	COLUMN	立柱	L1315xW640xH475	1.00	EA
2.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
4.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
5.00	NV 000199019J	DOG	終點定位塊(Z軸)	L55xW19xH20	1.00	EA
6.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
7.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
8.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
9.00	NV 000199004A	DOG, ATC ORIGIN	換刀原點塊	L40xW24xH20	1.00	EA
10.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
11.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
12.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
13.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA
14.00	NV 001033109A	PLUG, LINEAR GUIDE	防塵蓋	[NSK]L45800008-003(Φ14)	24.00	EA
15.00	MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	24.00	EA
16.00	NV 000831613J	LINEAR GUIDE, Z-AXIS	Z軸線性滑軌	[Tsubaki]H30LERB2T3-940C3W2-3/	1.00	ST
17.00	NV 001059000D	RETAINER, WEDGE	楔塊	L20xW18.5xH9.5	24.00	EA
18.00	MS 0103518	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL20	24.00	EA
19.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	24.00	EA
20.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA

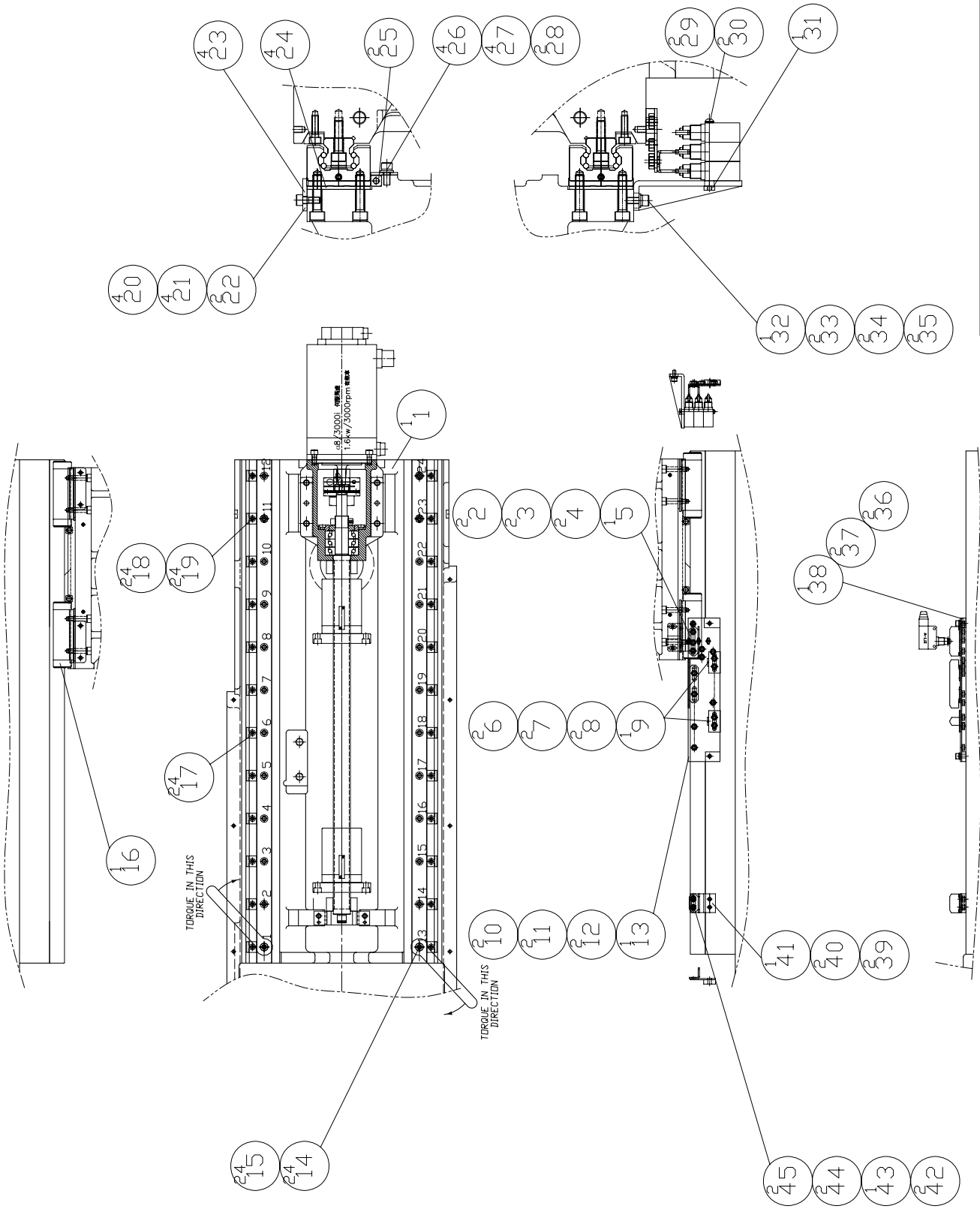
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	4.00	EA
22.00	NV 000199059J	RETAINER, TRUCK	Z軸滑塊壓板	L78XW30XH5	2.00	EA
23.00	MS 0103821	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL35	4.00	EA
24.00	NV 001108310J	SHIM, Z-AXIS TRUCK	Z軸墊片	L98xW59xT2.76	4.00	EA
25.00	NV 000648100J	GIB,GUIDE TRUCK	調整塊	L76xW100xH10	2.00	EA
26.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
27.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
28.00	NV 000199038J	RETAINER, GIB SHIM	壓版	L76xW25xH2.3	2.00	EA
29.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
30.00	MS 0103427	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL65	2.00	EA
31.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
32.00	NV 000199052J	SEAT,LIMIT SWITCH	極限開關固定架	L102xW88.7xH69.4	2.00	EA
33.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
34.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
35.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
36.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
37.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
38.00	NV 000199002J	BRACKET, SWITCH	換刀原點固定板	L268XW59.5XH10.3	1.00	EA
39.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
40.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
41.00	NV 000199023J	SEAT, DOG	終點定位座	L142XW17.5XH20	1.00	EA
42.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
43.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
44.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
45.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	機殼, 井 1 新行機殼座	2004/02/16	160



MODEL: VMC-480/710	PART NAME	PART NUMBER	REV. A
Z-AXIS POSITIONING<NSK>	Z 軸定位<NSK>	NV 000004701L	PAGE 1 OF 1
DATE 2004/9/3	SCALE 1:1		

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004701L

Description: Z-AXIS POSITIONING
Z軸定位

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.02	NV 000184300J	COLUMN	立柱	L1315xW640xH475	1.00	EA
2.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
4.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
5.00	NV 000199019J	DOG	終點定位塊(Z軸)	L55xW19xH20	1.00	EA
6.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
7.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
8.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
9.00	NV 000199004A	DOG, ATC ORIGIN	換刀原點塊	L40xW24xH20	1.00	EA
10.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
11.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
12.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
13.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA
14.00	NV 001033109A	PLUG, LINEAR GUIDE	防塵蓋	[NSK]L45800008-003(Φ14)	24.00	EA
15.00	MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	24.00	EA
16.00	NV 000831613J	LINEAR GUIDE, Z-AXIS	Z軸線性滑軌	[Tsubaki]H30LERB2T3-940C3W2-3/	1.00	ST
17.00	NV 001059000D	RETAINER, WEDGE	楔塊	L20xW18.5xH9.5	24.00	EA
18.00	MS 0103518	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL20	24.00	EA
19.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	24.00	EA
20.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA

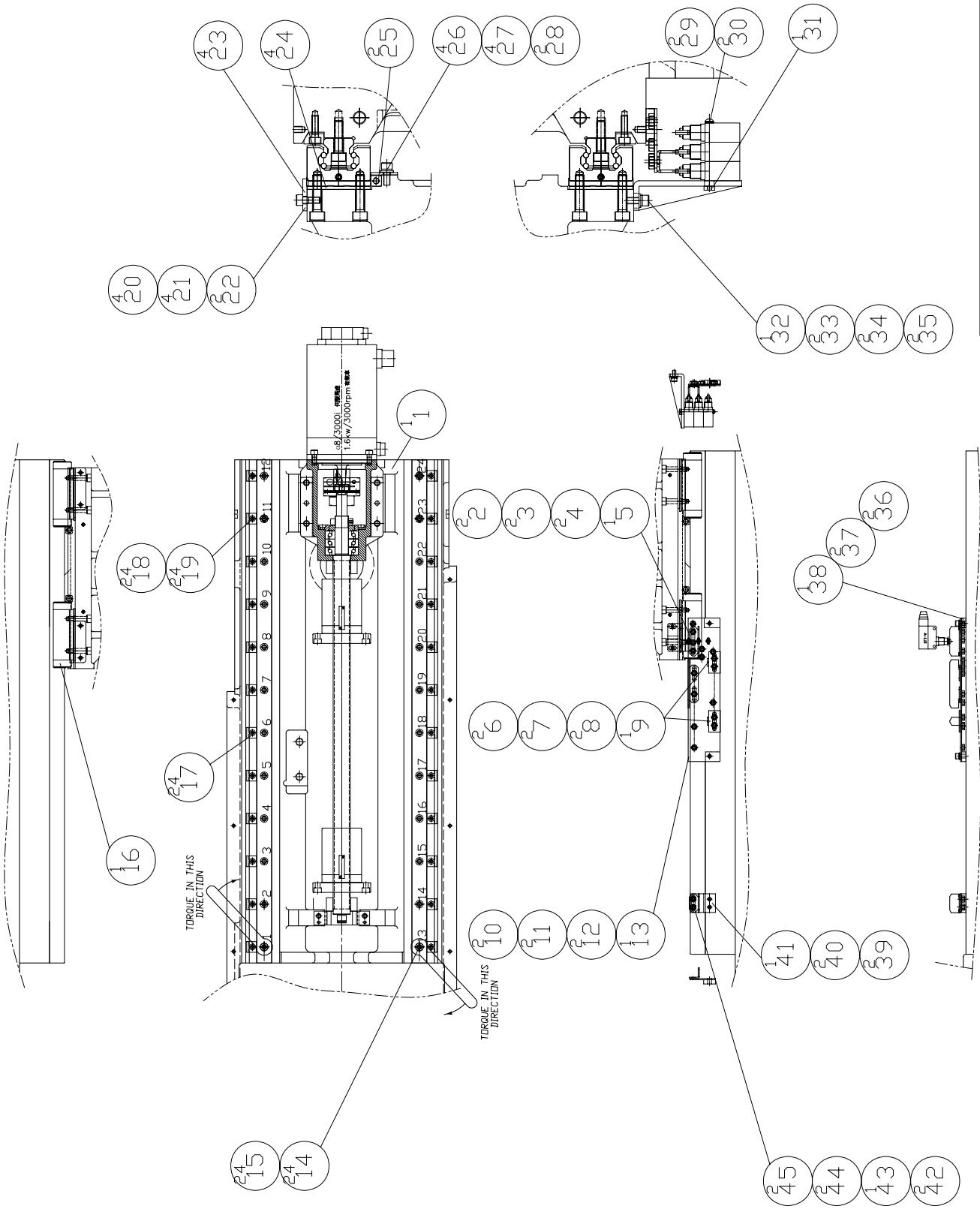
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	4.00	EA
22.00	NV 000199059J	RETAINER, TRUCK	Z軸滑塊壓板	L78XW30XH5	2.00	EA
23.00	MS 0103821	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL35	4.00	EA
24.00	NV 001108310J	SHIM, Z-AXIS TRUCK	Z軸墊片	L98xW59xT2.76	4.00	EA
25.00	NV 000648100J	GIB,GUIDE TRUCK	調整塊	L76xW100xH10	2.00	EA
26.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
27.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
28.00	NV 000199038J	RETAINER, GIB SHIM	壓版	L76xW25xH2.3	2.00	EA
29.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
30.00	MS 0103427	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL65	2.00	EA
31.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
32.00	NV 000199001L	SEAT,LIMIT SWITCH	極限開關固定架	L102xW27.5xH52	1.00	EA
33.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
34.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
35.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
36.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
37.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
38.00	NV 000199002J	BRACKET, SWITCH	換刀原點固定板	L268XW59.5XH10.3	1.00	EA
39.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
40.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
41.00	NV 000199023J	SEAT, DOG	終點定位座	L142XW17.5XH20	1.00	EA
42.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
43.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
44.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
45.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	機殼, 井 1 新行機殼座	2004/02/16	160



MODEL: VMC-480/710	PART NUMBER	SCALE 1:1	REV. A
Z-AXIS POSITIONING	NV 000004701LA	DATE 2004/9/3	PAGE 1 OF 1
Z 軸定位			

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004701LA

Description: Z-AXIS POSITIONING

Z軸定位

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000184300J	COLUMN	立柱	L1315xW640xH475	1.00	EA
2.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
4.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
5.00	NV 000199019J	DOG	終點定位塊(Z軸)	L55xW19xH20	1.00	EA
6.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
7.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
8.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
9.00	NV 000199004A	DOG, ATC ORIGIN	換刀原點塊	L40xW24xH20	1.00	EA
10.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
11.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
12.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
13.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA
14.00	NV 001033109A	PLUG, LINEAR GUIDE	防塵蓋	[NSK]L45800008-003(Φ14)	24.00	EA
15.00	MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	24.00	EA
16.00	NV 000831613J	LINEAR GUIDE, Z-AXIS	Z軸線性滑軌	[Tsubaki]H30LERB2T3-940C3W2-3/	1.00	ST
17.00	NV 001059000D	RETAINER, WEDGE	楔塊	L20xW18.5xH9.5	24.00	EA
18.00	MS 0103518	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL20	24.00	EA
19.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	24.00	EA
20.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA

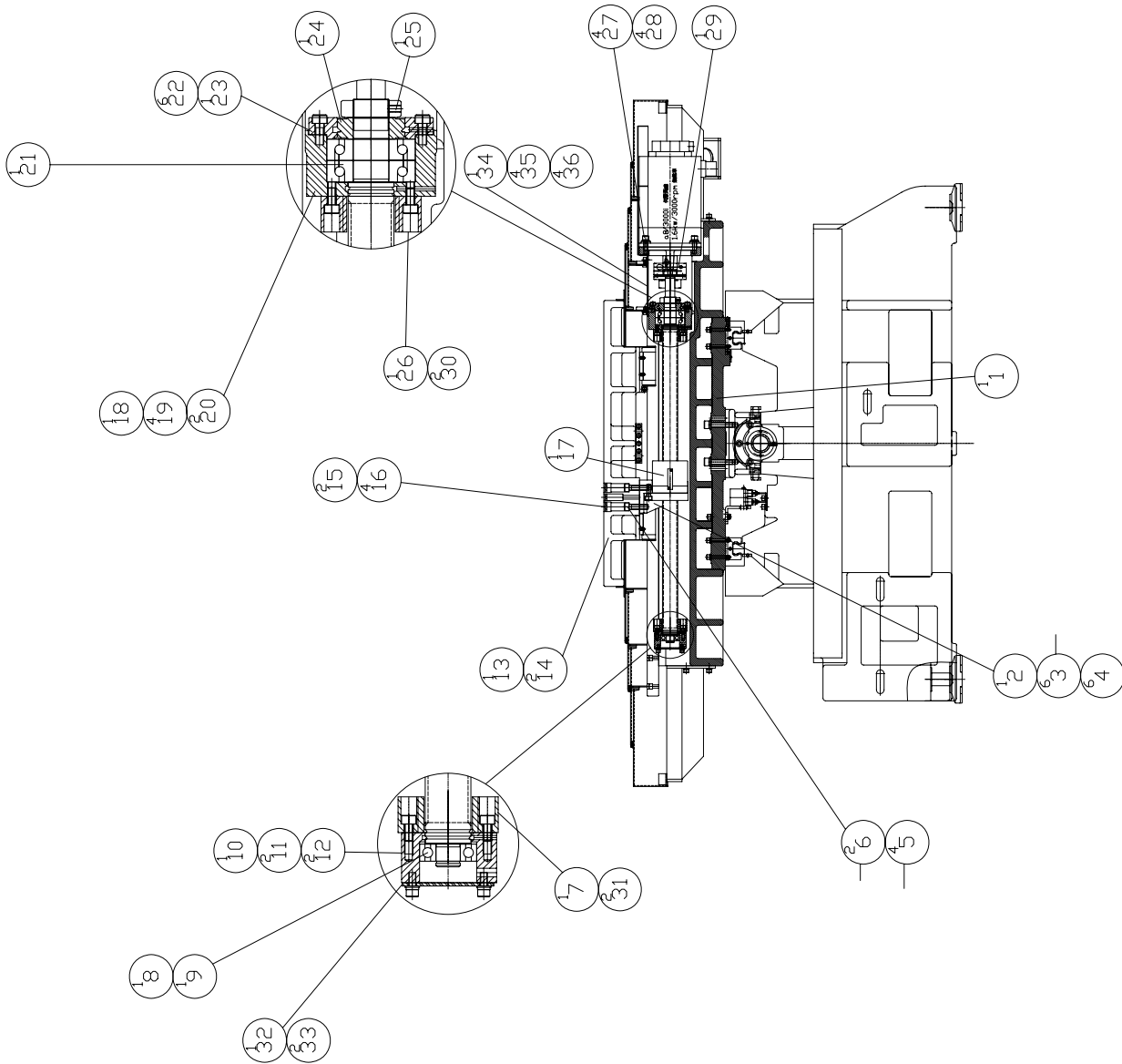
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	4.00	EA
22.00	NV 000199059J	RETAINER, TRUCK	Z軸滑塊壓板	L78XW30XH5	2.00	EA
23.00	MS 0103821	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL35	4.00	EA
24.00	NV 001108310J	SHIM, Z-AXIS TRUCK	Z軸墊片	L98xW59xT2.76	4.00	EA
25.00	NV 000648100J	GIB,GUIDE TRUCK	調整塊	L76xW100xH10	2.00	EA
26.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
27.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
28.00	NV 000199038J	RETAINER, GIB SHIM	壓版	L76xW25xH2.3	2.00	EA
29.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
30.00	MS 0103427	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL65	2.00	EA
31.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
32.00	NV 000199001L	SEAT,LIMIT SWITCH	極限開關固定架	L102xW27.5xH52	1.00	EA
33.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
34.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
35.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
36.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
37.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
38.00	NV 000199002J	BRACKET, SWITCH	換刀原點固定板	L268XW59.5XH10.3	1.00	EA
39.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
40.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
41.00	NV 000199023J	SEAT, DOG	終點定位座	L142XW17.5XH20	1.00	EA
42.00	NV 000417305A	FLAT WASHER	M6平墊圈	M6 FLAT WASHER(d6xD13xt2)	2.00	EA
43.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
44.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
45.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	機軸修理標準機軸組立図 #17 #18 #23 #24	2006/4/18	1
B	更改機軸組立図 #18 #23 #24	2006/9/7	174
C	更改機軸組立図	2006/9/13	188
D	#24NV (00001529)-NV (00001623,D)	2007/5/15	563



MODEL: DT-480/VMC-480

PART NAME

X-AXIS TRANSMISSION

PART NUMBER

NV 000004602J

DATE 2004/8/27

SCALE 1:15

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REV. D

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004602J

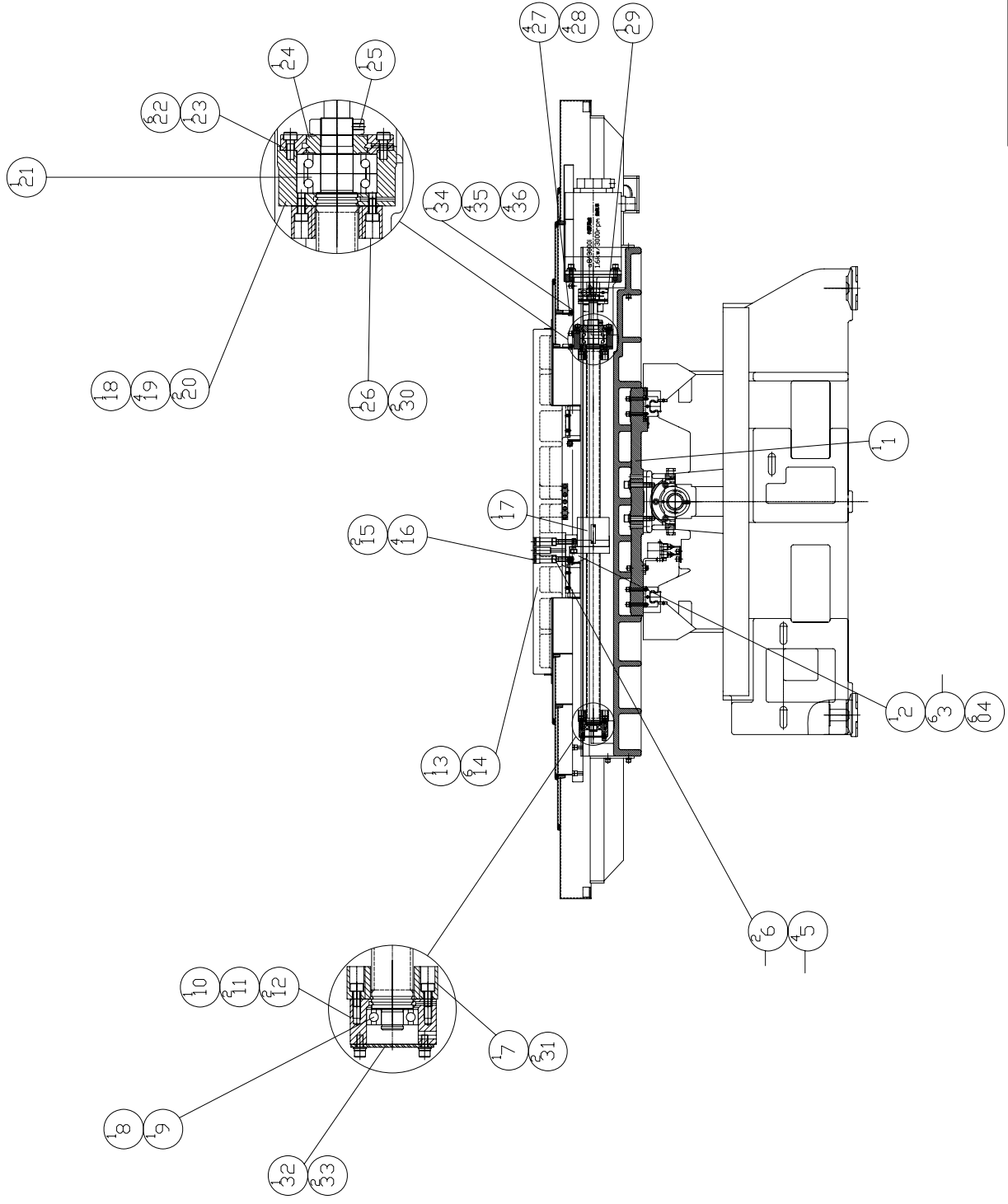
Description: X-AXIS TRANSMISSION
X軸傳動

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000195400J	SADDLE	鞍座	L983xW356.5.5xH153	1.00	EA
2.00	NV 001066173J	BRACKET,BALLSCREW (X AXIS)	導桿托架(X軸)	L143xW70xH120	1.00	EA
3.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	6.00	EA
4.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	6.00	EA
5.00	MS 0104022	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL40	4.00	EA
6.00	NV 00032530113	TAPER PIN	斜銷	D8x40	2.00	EA
7.00	NV 000691600J	BUMPER	止動環	D70xd34xL25	1.00	EA
8.00	NV 00002660311	Deep-grooved ball bearing	深溝滾珠軸承	6203ZZ	1.00	EA
9.00	NV 00082310304	C type snap ring shaft	C型外扣	S-17	1.00	EA
10.01	NV 001117600J	HOUSING, BEARING	軸承座	L128xW60xH34	1.00	EA
11.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	2.00	EA
12.00	NV 00032530108	TAPER PIN	斜銷D8x32L(內牙M5x0.8)	D8x32L(M5x0.8)	2.00	EA
13.01	NV 000196400J	TABLE	工作台	L600xW400xH75	1.00	EA
14.00	NV 001050200J	T NUT	T型螺帽	L22xW22xH16	2.00	EA
15.00	NV 001033100A	PLUG, LINEAR GUIDE	防塵蓋	[STAR]1605-300-90(Φ15)	2.00	EA
16.00	NV 001033101A	PLUG, TABLE	防塵蓋	[STAR]1605-400-90(Φ20)	4.00	EA
17.02	NV 000190211J	X-AXIS BALL SCREW	X軸滾珠導螺桿	PMIJR32-16B1-FSWE-651-765-C3	1.00	ST
18.02	NVA001066101J	SEAT, MOTOR(X,Y AXIS)	馬達座(X,Y軸)	L173xW154xH130	1.00	EA
19.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	4.00	EA
20.00	NV 00032530108	TAPER PIN	斜銷D8x32L(內牙M5x0.8)	D8x32L(M5x0.8)	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00002660129	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	NSK 25TAC62BDFC10PN7B (2PCS/S	1.00	ST
22.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
23.02	NV 001011542J	COVER,BALLSCREW	軸蓋	D87xd47.4xW11	1.00	EA
24.01	NV 000179920J	SPACER, SUPPORT BRG	間隔圈	D47xd25xL11	1.00	EA
25.00	NV 000049202A	LOCKNUT	鎖緊螺帽	[SHIANG KAI]M25x1.5	1.00	EA
26.00	NV 000691600J	BUMPER	止動環	D70xd34xL25	1.00	EA
27.00	MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	4.00	EA
28.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	4.00	EA
29.00	NV 001179201J	COUPLING	聯軸器(#30/#40三軸共用)	D68xd22xL68	1.00	EA
30.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
31.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
32.00	NV 000799045J	COVER, BEARING HOUSING	X,Y軸承座防漏蓋板	D64xL2.3	1.00	ST
33.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	2.00	EA
34.02	NV 001011623J	MOTOR COVER,X-AXIS	X軸馬達護蓋	L400xW227xH22	1.00	EA
35.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
36.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	4.00	EA

REV	DESCRIPTION	DATE	ECN
A	機軸修理機軸組立図 #17, #18, #23, #24	2006/4/18	1
B	更改機軸18, #34	2006/9/7	174
C	更改機軸10	2006/9/13	188
D	#34(NV 00001529)-NV 00001623(D)	2007/5/15	563



MODEL: DT-710/VMC-710	PART NUMBER
X-AXIS TRANSMISSION	NV 000004602K
DATE 2004/8/27	SCALE 1:1.5
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	REV. D

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004602K

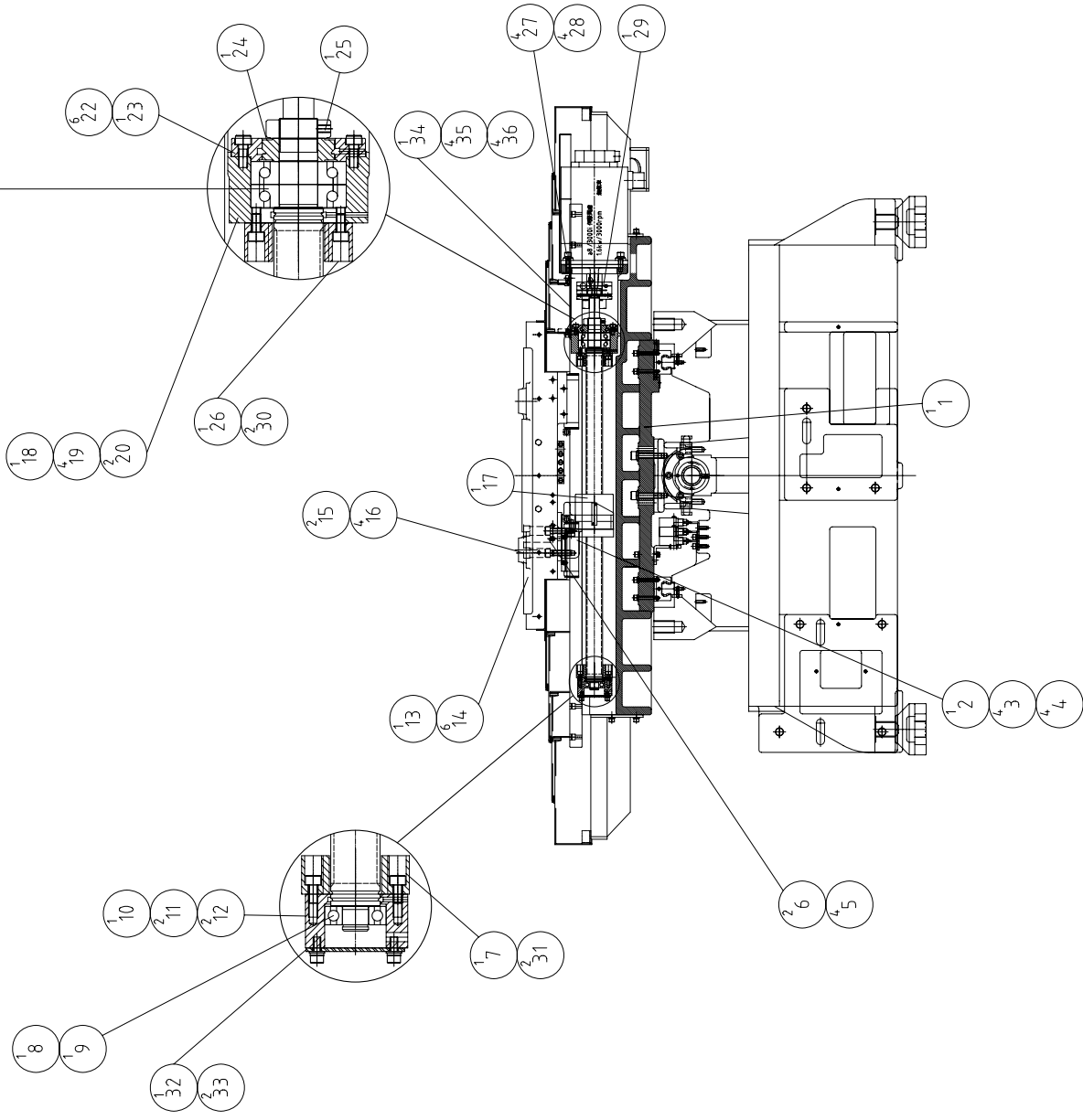
Description: X-AXIS TRANSMISSION
X軸傳動

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000195400K	SADDLE	鞍座	L1180xW356.5.5xH153	1.00	EA
2.00	NV 001066173J	BRACKET,BALLSCREW (X AXIS)	導桿托架(X軸)	L143xW70xH120	1.00	EA
3.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	6.00	EA
4.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	6.00	EA
5.00	MS 0104022	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL40	4.00	EA
6.00	NV 00032530113	TAPER PIN	斜銷	D8x40	2.00	EA
7.00	NV 000691600J	BUMPER	止動環	D70xd34xL25	1.00	EA
8.00	NV 00002660311	Deep-grooved ball bearing	深溝滾珠軸承	6203ZZ	1.00	EA
9.00	NV 00082310304	C type snap ring shaft	C型外扣	S-17	1.00	EA
10.01	NV 001117600J	HOUSING, BEARING	軸承座	L128xW60xH34	1.00	EA
11.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	2.00	EA
12.00	NV 00032530108	TAPER PIN	斜銷D8x32L(內牙M5x0.8)	D8x32L(M5x0.8)	2.00	EA
13.01	NV 000196400K	TABLE	工作台	L800xW400xH75	1.00	EA
14.00	NV 001050200J	T NUT	T型螺帽	L22xW22xH16	6.00	EA
15.00	NV 001033100A	PLUG, LINEAR GUIDE	防塵蓋	[STAR]1605-300-90(Φ15)	2.00	EA
16.00	NV 001033101A	PLUG, TABLE	防塵蓋	[STAR]1605-400-90(Φ20)	4.00	EA
17.01	NV 000190211K	X AXIS BALL SCREW	X軸滾珠導螺桿	[PMI]R32-16B1-FSWE-881-995-C3	1.00	EA
18.02	NVA001066101J	SEAT, MOTOR(X,Y AXIS)	馬達座(X,Y軸)	L173xW154xH130	1.00	EA
19.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	4.00	EA
20.00	NV 00032530108	TAPER PIN	斜銷D8x32L(內牙M5x0.8)	D8x32L(M5x0.8)	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00002660129	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	NSK 25TAC62BDFC10PN7B (2PCS/S	1.00	ST
22.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
23.01	NV 001011542J	COVER,BALLSCREW	軸蓋	D87xd47.4xW11	1.00	EA
24.01	NV 000179920J	SPACER, SUPPORT BRG	間隔圈	D47xd25xL11	1.00	EA
25.00	NV 000049202A	LOCKNUT	鎖緊螺帽	[SHIANG KAI]M25x1.5	1.00	EA
26.00	NV 000691600J	BUMPER	止動環	D70xd34xL25	1.00	EA
27.00	MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	4.00	EA
28.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	4.00	EA
29.00	NV 001179201J	COUPLING	聯軸器(#30/#40三軸共用)	D68xd22xL68	1.00	EA
30.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
31.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
32.00	NV 000799045J	COVER, BEARING HOUSING	X,Y軸承座防漏蓋板	D64xL2.3	1.00	ST
33.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	2.00	EA
34.02	NV 001011623J	MOTOR COVER,X-AXIS	X軸馬達護蓋	L400xW227xH22	1.00	EA
35.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
36.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	4.00	EA

REV	DESCRIPTION	DATE	ECK
A	機軸 更改 #18, #3, #4, #5, #6, #7, #8, #9, #10, #11, #12, #13, #14, #15, #16, #17, #18, #19, #20, #21, #22, #23, #24, #25, #26, #27, #28, #29, #30, #31, #32, #33, #34, #35, #36	2006/9/7	174
B	機軸 更改 #10	2006/9/13	188
D	#34(NV 00101529)-NV 00101623J	2007/5/15	563



MODEL: DT-480/VMC-480

PART NAME
X-AXIS TRANSMISSION, APC
X 車軸伝動機, APC

PART NUMBER
NV 000004623J

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DATE 2005/8/30
SCALE 1:14
REV. C

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004623J

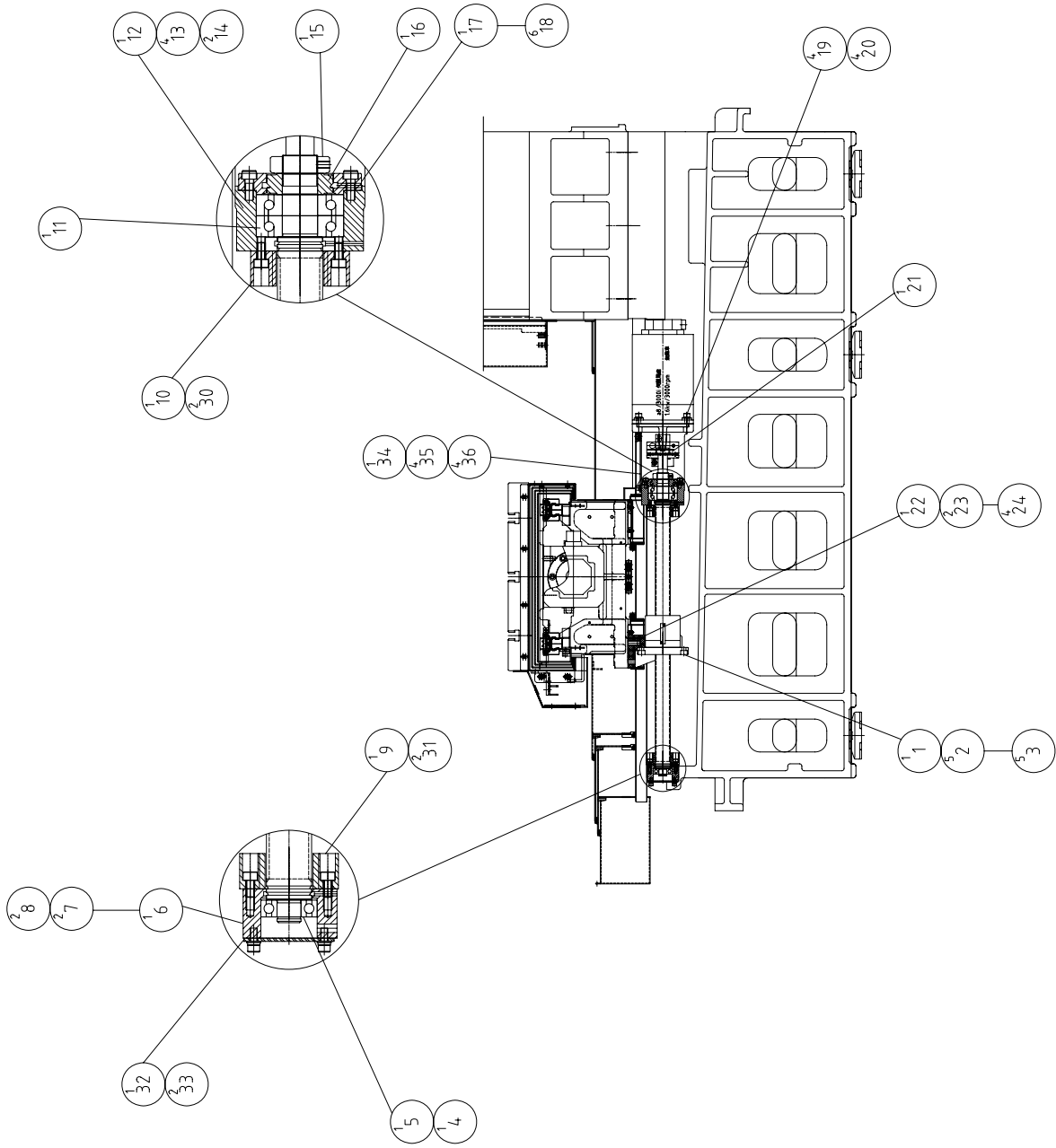
Description: X-AXIS TRANSMISSION, APC
X軸傳動, APC

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000195400J	SADDLE	鞍座	L983xW356.5.5xH153	1.00	EA
2.00	NV 001066219J	BRACKET,BALLSCREW	導桿托架	L101.7xW106xH119	1.00	EA
3.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	4.00	EA
4.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	4.00	EA
5.00	MS 0104022	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL40	4.00	EA
6.00	NV 00032530113	TAPER PIN	斜銷	D8x40	2.00	EA
7.00	NV 000691600J	BUMPER	止動環	D70xd34xL25	1.00	EA
8.00	NV 00002660311	Deep-grooved ball bearing	深溝滾珠軸承	6203ZZ	1.00	EA
9.00	NV 00082310304	C type snap ring shaft	C型外扣	S-17	1.00	EA
10.01	NV 001117600J	HOUSING, BEARING	軸承座	L128xW60xH34	1.00	EA
11.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	2.00	EA
12.00	NV 00032530108	TAPER PIN	斜銷D8x32L(內牙M5x0.8)	D8x32L(M5x0.8)	2.00	EA
13.00	NV 000196401J	Seat, pallet	梭台固定座	L600xW400xH94.5	1.00	EA
14.00	NV 001050200J	T NUT	T型螺帽	L22xW22xH16	6.00	EA
15.00	NV 001033100A	PLUG, LINEAR GUIDE	防塵蓋	[STAR]1605-300-90(Φ15)	2.00	EA
16.00	NV 001033101A	PLUG, TABLE	防塵蓋	[STAR]1605-400-90(Φ20)	4.00	EA
17.02	NV 000190211J	X-AXIS BALL SCREW	X軸滾珠導螺桿	PMIJR32-16B1-FSWE-651-765-C3	1.00	ST
18.02	NVA001066101J	SEAT, MOTOR(X,Y AXIS)	馬達座(X,Y軸)	L173xW154xH130	1.00	EA
19.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	4.00	EA
20.00	NV 00032530108	TAPER PIN	斜銷D8x32L(內牙M5x0.8)	D8x32L(M5x0.8)	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00002660129	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	NSK 25TAC62BDFC10PN7B (2PCS/S	1.00	ST
22.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
23.01	NV 001011542J	COVER,BALLSCREW	軸蓋	D87xd47.4xW11	1.00	EA
24.01	NV 000179920J	SPACER, SUPPORT BRG	間隔圈	D47xd25xL11	1.00	EA
25.00	NV 000049202A	LOCKNUT	鎖緊螺帽	[SHIANG KAI]M25x1.5	1.00	EA
26.00	NV 0000691600J	BUMPER	止動環	D70xd34xL25	1.00	EA
27.00	MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	4.00	EA
28.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	4.00	EA
29.00	NV 001179201A	COUPLING	聯軸器	D82xd20xL76.2	1.00	EA
30.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
31.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
32.00	NV 000799045J	COVER, BEARING HOUSING	X,Y軸承座防漏蓋板	D64xL2.3	1.00	ST
33.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	2.00	EA
34.02	NV 001011623J	MOTOR COVER,X-AXIS	X軸馬達護蓋	L400xW227xH22	1.00	EA
35.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
36.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	4.00	EA

REV	DESCRIPTION	DATE	ECK
A	機軸の位置変更 機軸#11, #12, #16, #17	2006/4/18	71
B	変更#12, #34	2006/9/7	174
C	変更#6	2006/9/13	188



MODEL: DT-300/480/710 / VMC-480/710

PART NAME
Y-AXIS TRANSMISSION

PART NUMBER
NV 000004604J

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REV. C

SCALE 1:15

DATE 2006/8/30

Y 車軸伝動重力

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004604J

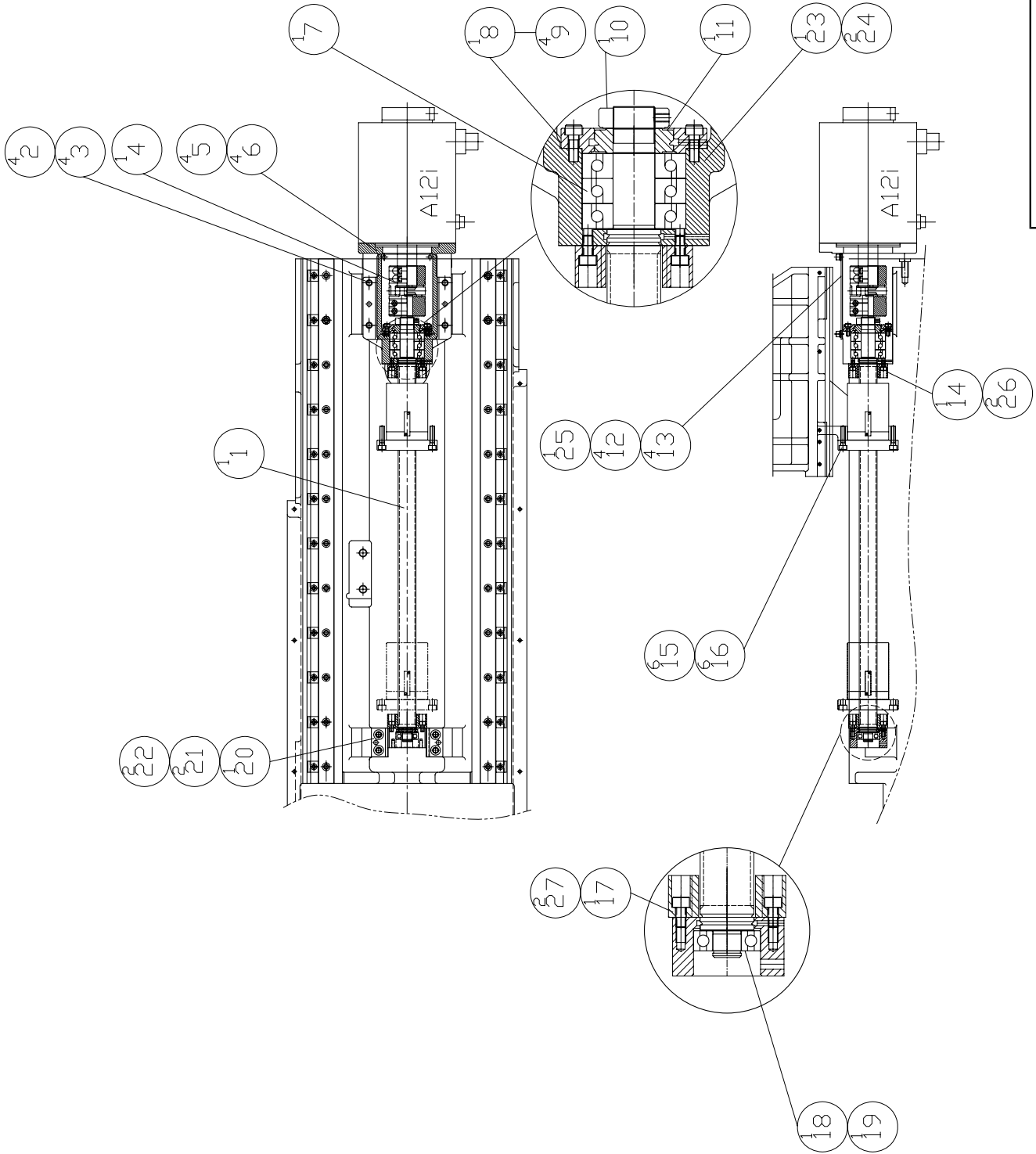
Description: Y-AXIS TRANSMISSION
Y軸傳動

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.02	NV 000190201J	Y-AXIS BALL SCREW	Y軸滾珠導螺桿	[PMJR32-16B1-FSWE-571-685-C3	1.00	ST
2.00	MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	5.00	EA
3.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	5.00	EA
4.00	NV 00002660311	Deep-grooved ball bearing	深溝滾珠軸承	6203ZZ	1.00	EA
5.00	NV 00082310304	C type snap ring shaft	C型外扣	S-17	1.00	EA
6.01	NV 001117600J	HOUSING, BEARING	軸承座	L128xW60xH34	1.00	EA
7.00	MS 0104020	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL30	2.00	EA
8.00	NV 00032530108	TAPER PIN	斜銷D8x32L(內牙M5x0.8)	D8x32L(M5x0.8)	2.00	EA
9.00	NV 000691600J	BUMPER	止動環	D70xd34xL25	1.00	EA
10.00	NV 000691600J	BUMPER	止動環	D70xd34xL25	1.00	EA
11.00	NV 00002660129	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	NSK 25TAC62BDFC10PN7B (2PCS/S	1.00	ST
12.02	NVA001066101J	SEAT, MOTOR(X,Y AXIS)	馬達座(X,Y軸)	L173xW154xH130	1.00	EA
13.00	MS 0104020	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL30	4.00	EA
14.00	NV 00032530108	TAPER PIN	斜銷D8x32L(內牙M5x0.8)	D8x32L(M5x0.8)	2.00	EA
15.00	NV 000049202A	LOCKNUT	鎖緊螺帽	[SHIANG KAI]M25x1.5	1.00	EA
16.01	NV 000179920J	SPACER, SUPPORT BRG	間隔圈	D47xd25xL11	1.00	EA
17.01	NV 001011542J	COVER,BALLSCREW	軸蓋	D87xd47.4xW11	1.00	EA
18.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
19.00	MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	4.00	EA
20.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 001179201J	COUPLING	聯軸器(#30/#40三軸共用)	D68xD22xL68	1.00	EA
22.01	NV 001066129J	BRACKET,BALLSCREW(Y AXIS)	導桿托架(Y軸)	L143xW70xH115	1.00	EA
23.00	NV 00032530107	TAPER PIN	斜銷(內牙M5x0.8xH16深)	D8x45L(M5x0.8xH16)	2.00	EA
24.00	MS 0104024	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL50	4.00	EA
30.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
31.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
32.00	NV 000799045J	COVER, BEARING HOUSING	X.Y軸承座防漏蓋板	D64xL2.3	1.00	ST
33.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	2.00	EA
34.01	NV 001011529J	COVER, MOTOR	馬達蓋板	L124xW108xH2.3	1.00	EA
35.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
36.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	4.00	EA

REV	DESCRIPTION	DATE	ECN
A	機軸構造変更 機軸部 #1, #20, #23, #1	2006/4/18	1
B	変更部 #20	2006/9/13	18E



MODEL: DT-300/480/710

PART NAME
Z-AXIS TRANSMISSION

Z 車軸/導軌部

DATE 2004/9/3

PART NUMBER
NV 000004702J

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REV. B

SCALE 1:1

REV. B

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004702J

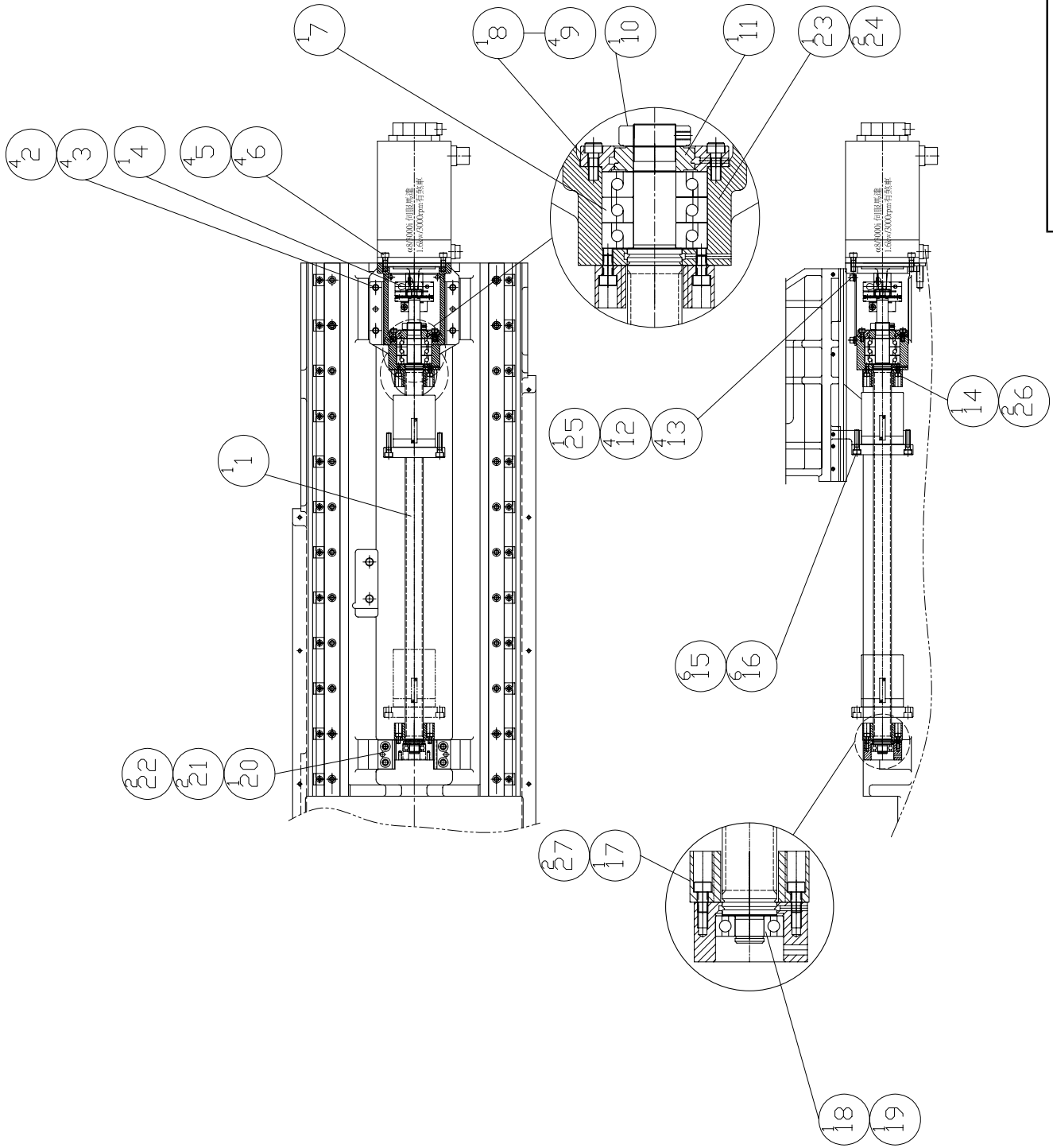
Description: Z-AXIS TRANSMISSION
Z 軸傳動

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.02	NV 000190202J	Z-AXIS BALL SCREW	Z軸滾珠導螺桿	[PMIJR32-16E1-FSWE-671-800-0.0	1.00	ST
2.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
3.00	MS 0104020	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL30	2.00	EA
4.00	NV 001179204A	COUPLING(Z-AXIS)12K/15K RPM	聯軸器(Z-AXIS)12K/15K RPM	[KTR] GS28/38 98 ShA Spider (b	1.00	EA
5.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	4.00	EA
6.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	4.00	EA
7.00	NV 00002660103	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	NSK 25TAC62BDFFC10PN7B (3PCS/S	1.00	ST
8.01	NV 001011542J	COVER,BALLSCREW	軸蓋	D87xd47.4xW11	1.00	EA
9.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
10.00	NV 000049202A	LOCKNUT	鎖緊螺帽	[SHIANG KAI]M25x1.5	1.00	EA
11.01	NV 000179920J	SPACER, SUPPORT BRG	間隔圈	D47xd25xL11	1.00	EA
12.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
13.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	4.00	EA
14.00	NV 000691600J	BUMPER	止動環	D70xd34xL25	1.00	EA
15.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	6.00	EA
16.00	MS 0103821	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL35	6.00	EA
17.00	NV 000691600J	BUMPER	止動環	D70xd34xL25	1.00	EA
18.00	NV 00082310304	C type snap ring shaft	C型外扣	S-17	1.00	EA
19.00	NV 00002660311	Deep-grooved ball bearing	深溝滾珠軸承	6203ZZ	1.00	EA
20.01	NV 001117600J	HOUSING, BEARING	軸承座	L128xW60xH34	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MS 0104020	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL30	2.00	EA
22.00	NV 00032530108	TAPER PIN	斜銷D8x32L(內牙M5x0.8)	D8x32L(M5x0.8)	2.00	EA
23.01	NV 001066143J	SEAT, MOTOR(Z AXIS)	馬達座(Z軸)	L222xH174xW174	1.00	EA
24.00	NV 00032530108	TAPER PIN	斜銷D8x32L(內牙M5x0.8)	D8x32L(M5x0.8)	2.00	EA
25.00	NV 001011532J	COVER, MOTOR Z-AXIS	Z軸馬達蓋板	L152xW108xH2.3	1.00	EA
26.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
27.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	機軸傳動器 機軸箱 #11 #20/#23 #1	2006/4/18	1
B	更改 #23 #25	2006/9/7	174
B	更改 #20	2006/9/13	188



MODEL: VMC-480/710

PART NAME

Z-AXIS TRANSMISSION

Z 軸傳動

PART NUMBER

NV 000004702L

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REV. C

SCALE 1:1

JCSM
P.H.L.

DATE 2004/9/3

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004702L

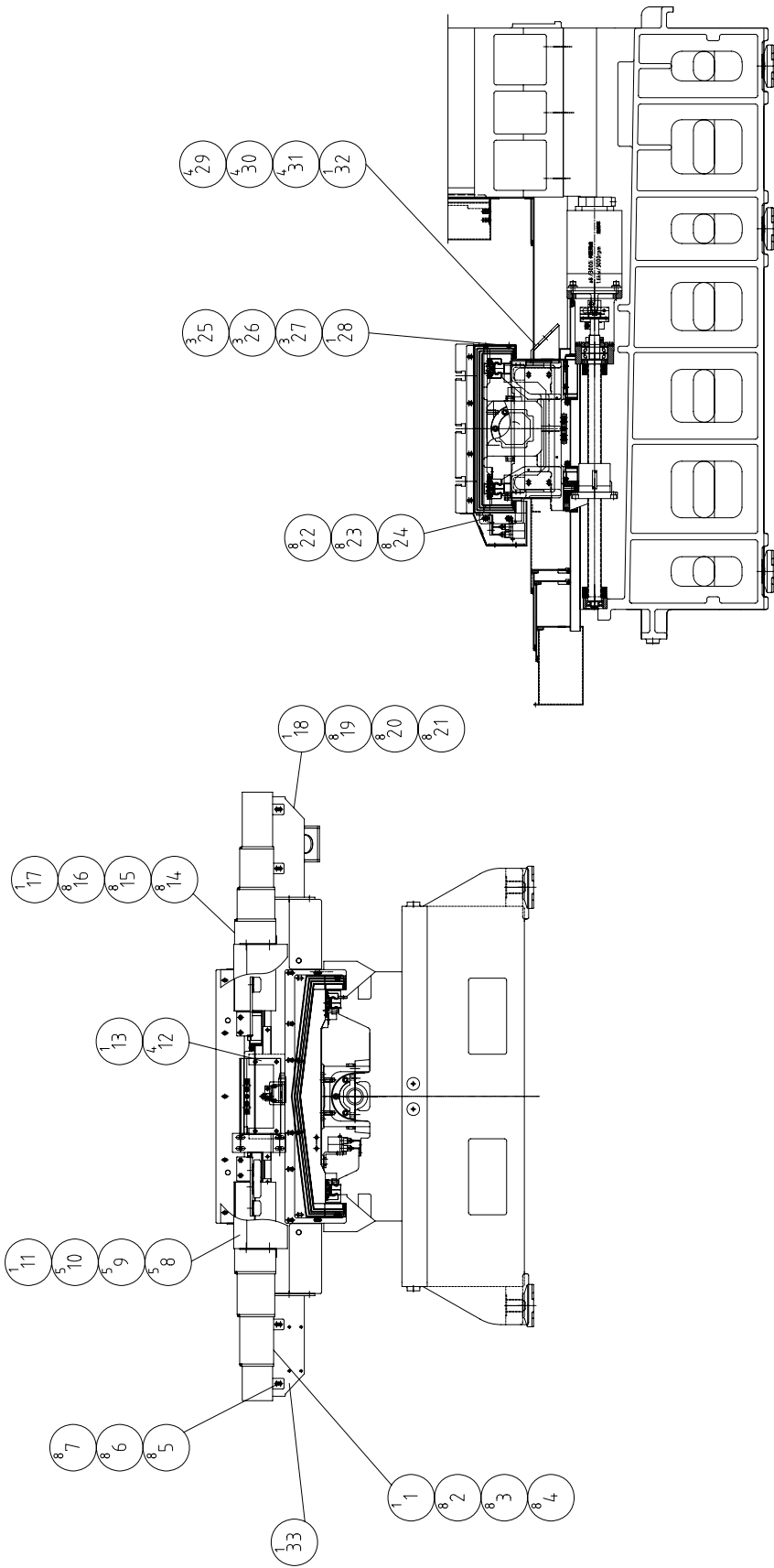
Description: Z-AXIS TRANSMISSION
Z 軸傳動

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	NV 000190202L	Z-AXIS BALL SCREW	Z軸滾珠導螺桿	[PMIJR32-12E1-FSWE-671-800-0.0	1.00	ST
2.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
3.00	MS 0104022	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL40	2.00	EA
4.00	NV 001179201J	COUPLING	聯軸器(#30/#40三軸共用)	D68xd22xL68	1.00	EA
5.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	4.00	EA
6.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	4.00	EA
7.00	NV 00002660103	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	NSK 25TAC62BDFFC10PN7B (3PCS/S	1.00	ST
8.01	NV 001011542J	COVER,BALLSCREW	軸蓋	D87xd47.4xW11	1.00	EA
9.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
10.00	NV 000049202A	LOCKNUT	鎖緊螺帽	[SHIANG KAIJM25x1.5	1.00	EA
11.01	NV 000179920J	SPACER, SUPPORT BRG	間隔圈	D47xd25xL11	1.00	EA
12.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
13.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	4.00	EA
14.00	NVA000691601L	BUMPER(#40, Z-AXIS)	止動環(#40, Z軸)	D70xd34xL30	1.00	EA
15.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	6.00	EA
16.00	MS 0103821	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL35	6.00	EA
17.00	NVA000691601L	BUMPER(#40, Z-AXIS)	止動環(#40, Z軸)	D70xd34xL30	1.00	EA
18.00	NV 00082310304	C type snap ring shaft	C型外扣	S-17	1.00	EA
19.00	NV 00002660311	Deep-grooved ball bearing	深溝滾珠軸承	6203ZZ	1.00	EA
20.01	NV 001117600J	HOUSING, BEARING	軸承座	L128xW60xH34	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MS 0104020	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL30	2.00	EA
22.00	NV 00032530108	TAPER PIN	斜銷D8x32L(內牙M5x0.8)	D8x32L(M5x0.8)	2.00	EA
23.02	NVA001066127J	SEAT, MOTOR(Z AXIS)	馬達座(Z軸)	L188xW154xH130	1.00	EA
24.00	NV 00032530108	TAPER PIN	斜銷D8x32L(內牙M5x0.8)	D8x32L(M5x0.8)	2.00	EA
25.01	NV 001011529J	COVER, MOTOR	馬達蓋板	L124xW108xH2.3	1.00	EA
26.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
27.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA

REV	DESCRIPTION	DATE	ECK
A	环境対応	2006/8/21	154



MODEL: DT-480 / VMC-480

PART NAME: X-AXIS TELESCOPIC
 PART NUMBER: NV 000004605J

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REV: A

SCALE: 1:17

DATE: 2006/8/31

× 車体/中継筒/蓋

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004605J

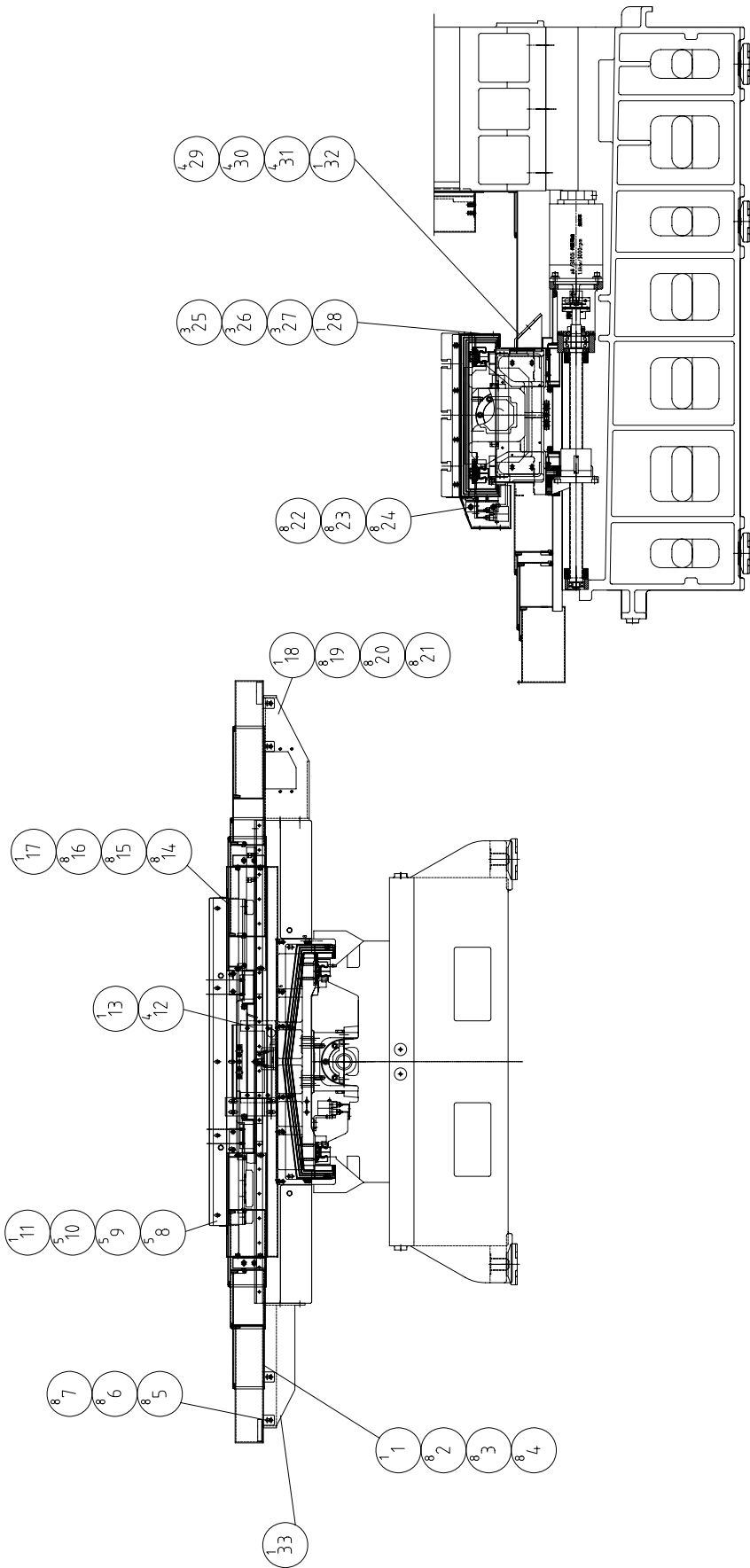
Description:
X-AXIS TELESCOPIC
X軸伸縮護蓋

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.02	NV 001011503J	WAYCOVER, X-AXIS LEFT	X軸左伸縮護蓋	L690.2xW421.5xH146.5	1.00	EA
2.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
4.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	8.00	EA
5.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	8.00	EA
6.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
7.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
8.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
9.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
10.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	5.00	EA
11.00	NV 001011513J	COVER, X-AXIS FRONT	X軸前蓋板	L760xW106xH158	1.00	EA
12.00	MS 0313413	FLAT HD. SOCKET COVER	六角穴平頭螺絲蓋板	M4xP0.7xL6	4.00	EA
13.00	NV 001011512J	COVER	蓋板	L180xW47xH97.2	1.00	EA
14.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	8.00	EA
15.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
16.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
17.04	NV 001011502J	WAYCOVER, X-AXIS RIGHT	X軸右伸縮護蓋	L757xH115.5XW421.5	1.00	ST
18.00	NV 000299015J	Right SUPPORT, X WAYCOVER	X軸右支撐座	L300xW248xH102	1.00	EA
19.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
20.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
22.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
23.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
24.00	MS 0103614	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL8	8.00	EA
25.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
26.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
27.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
28.00	NV 001011514J	COVER, X AXIS REAR	X軸後蓋板	L644xW33.5xH106	1.00	EA
29.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
30.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
31.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
32.00	NV 000599065J	SEAT, ELECTRIC WIRE	電源線連結座	L119xW99.7xH79	1.00	EA
33.00	NV 000299004J	LEFT SUPPORTER, X WAYCOVER	X軸左支撐座	L300xW248xH102	1.00	EA

REV	DESCRIPTION	DATE	ECK
A	新編 方針	2006/8/21	154
B	部品ECO番号変更箇所	2006/9/6	173



MODEL: DT-710 / VMC-710 / VMC-710E

PART NAME: X-AXIS TELESCOPIC
 PART NUMBER: NV 000004605K

DATE: 2006/8/31
 SCALE: 1:17
 REV: B
 PAGE: 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004605K

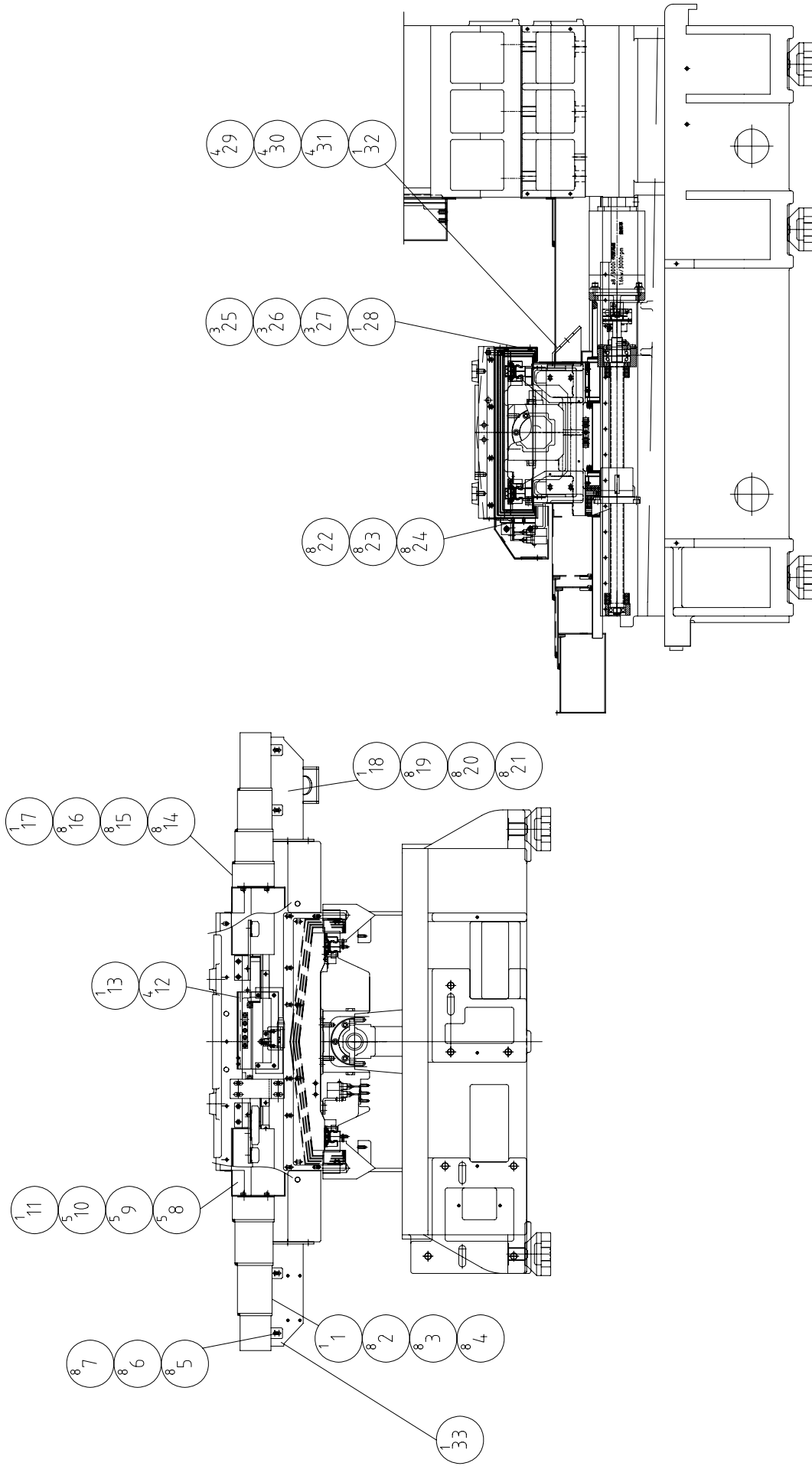
Description: X-AXIS TELESCOPIC
X軸伸縮護蓋

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.02	NV 001011503K	WAYCOVER, X-AXIS LEFT	X軸左伸縮護蓋	L1099xW600xH146.5	1.00	EA
2.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
4.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	8.00	EA
5.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	8.00	EA
6.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
7.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
8.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
9.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
10.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	5.00	EA
11.01	NV 001011513K	COVER, X-AXIS FRONT	X軸前蓋板	L954xW106xH158	1.00	EA
12.00	MS 0313413	FLAT HD. SOCKET COVER	六角穴平頭螺絲蓋板	M4xP0.7xL6	4.00	EA
13.00	NV 001011512J	COVER	蓋板	L180xW47xH97.2	1.00	EA
14.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	8.00	EA
15.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
16.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
17.02	NV 001011502K	WAYCOVER, X-AXIS RIGHT	X軸右伸縮護蓋	L1099xH115.5xW421.5	1.00	ST
18.00	NV 000299015K	Right SUPPORT, X WAYCOVER	X軸右支撐座	L335xW248xH102	1.00	EA
19.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
20.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
22.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
23.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
24.00	MS 0103614	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL8	8.00	EA
25.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
26.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
27.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
28.01	NV 001011514K	COVER,X AXIS REAR	X軸後蓋板1215	L954xW33.5xH101	1.00	EA
29.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
30.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
31.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
32.00	NV 000599065J	SEAT,ELECTRIC WIRE	電源線連結座	L119xW99.7xH79	1.00	EA
33.00	NV 000299004K	LEFT SUPPORTER, X WAYCOVER	X軸左支撐座	L300xW305xH102	1.00	EA

REV	DESCRIPTION	DATE	ECK
A	环境対応	2006/8/21	154



MODEL: DT-480 / VMC-480

PART NAME: X-AXIS TELESCOPIC, APC
 PART NUMBER: NV 000004625J

DATE: 2006/8/31
 SCALE: 1:14
 REV: A
 PAGE: 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004625J

Description: X-AXIS TELESCOPIC, APC

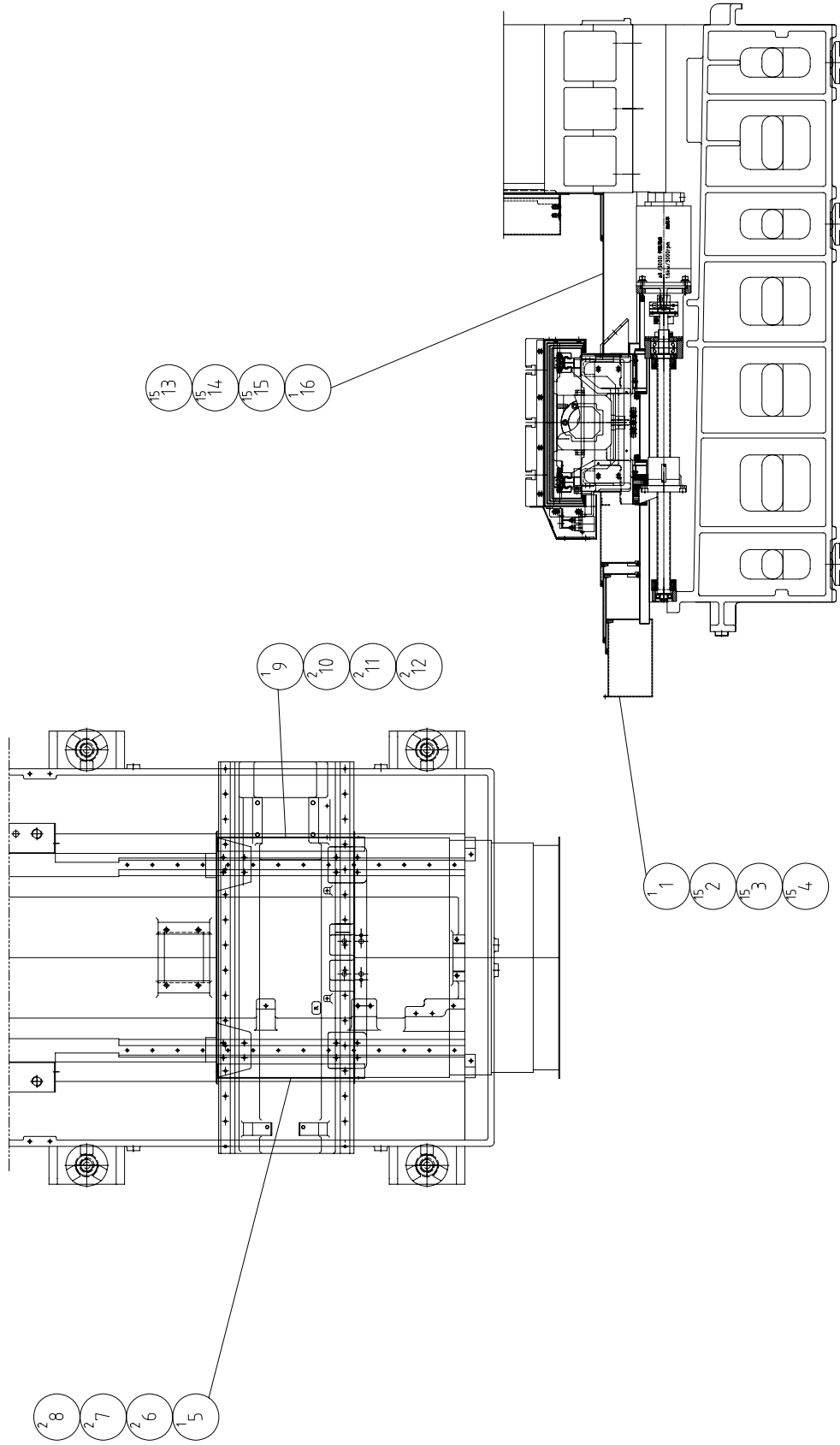
X軸伸縮護蓋, APC

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.02	NV 001011503J	WAYCOVER, X-AXIS LEFT	X軸左伸縮護蓋	L690.2xW421.5xH146.5	1.00	EA
2.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
4.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	8.00	EA
5.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	8.00	EA
6.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
7.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
8.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
9.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
10.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	5.00	EA
11.00	NV 001021586J	COVER X-AXIS FRONT, APC	X軸前蓋板,APC	L720xW131xH151.5	1.00	EA
12.00	MS 0313413	FLAT HD. SOCKET	六角穴平頭螺絲	M4xP0.7xL6	4.00	EA
13.01	NV 001021587J	COVER, APC	蓋板, APC	L179.5xW60.3xH95.6	1.00	EA
14.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	8.00	EA
15.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
16.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
17.03	NV 001011502J	WAYCOVER, X-AXIS RIGHT	X軸右伸縮護蓋	L757xH115.5xW421.5	1.00	ST
18.00	NV 000299015J	Right SUPPORT, X WAYCOVER	X軸右支撐座	L300xW248xH102	1.00	EA
19.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
20.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
22.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
23.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
24.00	MS 0103614	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL8	8.00	EA
25.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
26.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
27.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
28.00	NV 001011514J	COVER, X AXIS REAR	X軸後蓋板	L644xW33.5xH106	1.00	EA
29.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
30.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
31.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
32.00	NV 000599065J	SEAT, ELECTRIC WIRE	電源線連結座	L119xW99.7xH79	1.00	EA
33.00	NV 000299004J	LEFT SUPPORTER, X WAYCOVER	X軸左支撐座	L300xW248xH102	1.00	EA

REV	DESCRIPTION	DATE	ECK
A	採集方法	2007/8/7	575



MODEL: DT-300/480710 / VMC-480/710

PART NAME: Y-AXIS TELESCOPIC
 PART NUMBER: NV 000004606J

DATE: 2007/8/30
 SCALE: 1/16
 REV: A
 PAGE: 1 OF 1

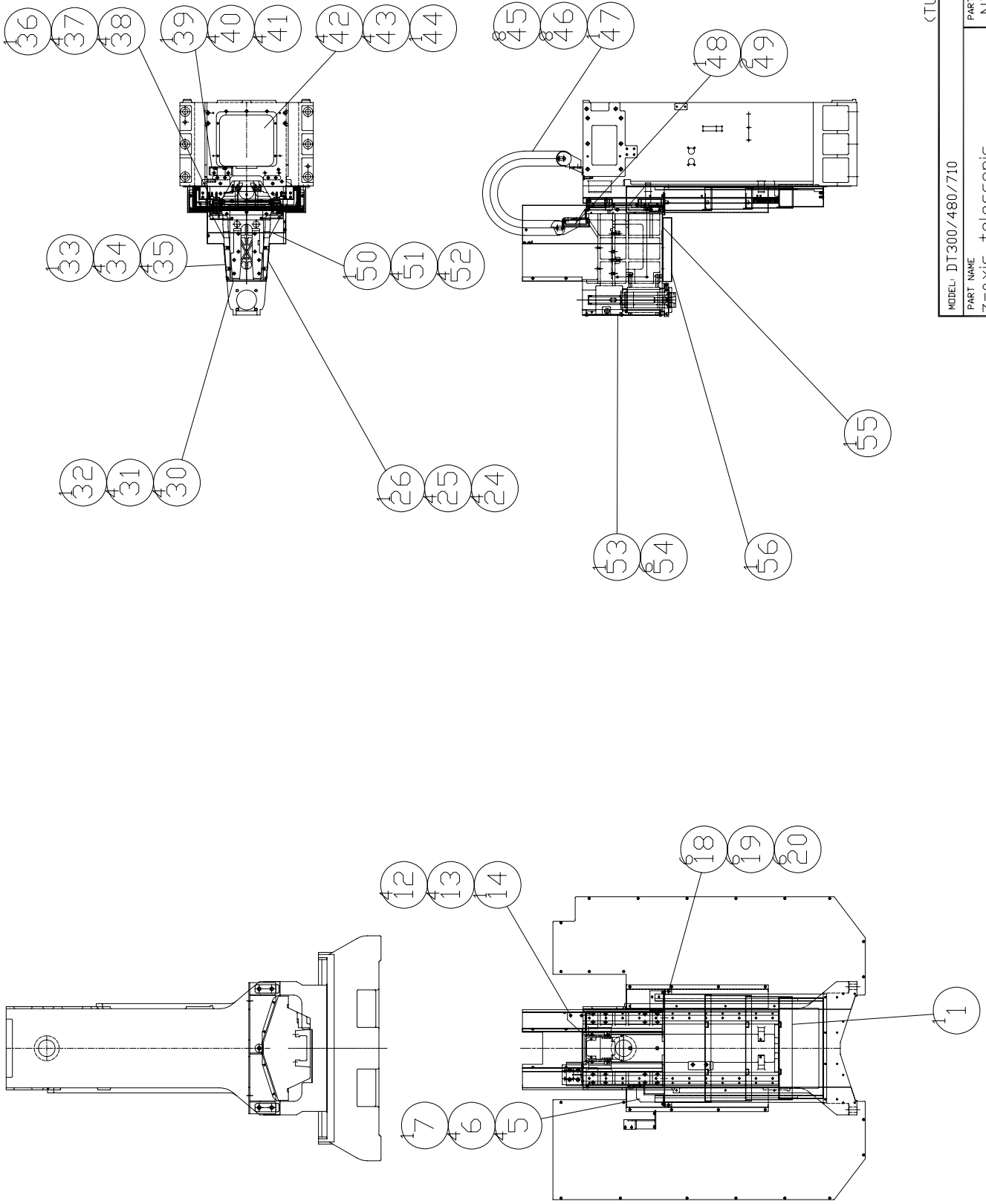
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004606J

Description: Y-AXIS TELESCOPIC
Y軸伸縮護蓋

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 001011504J	WAYCOVER, Y AXIS FRONT	Y軸前伸縮護蓋	L690.2xW575xH145	1.00	EA
2.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	15.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	15.00	EA
4.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	15.00	EA
5.01	NV 001011510J	COVER, LEFT Y-WAYCOVER	左連接板	L352xW60xH34	1.00	EA
6.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
7.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
8.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
9.01	NV 001011511J	COVER, RIGHT Y-WAYCOVER	右連接板	L352xW60xH34	1.00	EA
10.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
11.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
12.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
13.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	15.00	EA
14.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	15.00	EA
15.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	15.00	EA
16.00	NV 001011505J	WAYCOVER, Y AXIS RIGHT	Y軸後伸縮護蓋	L582.2xW597xH143.5	1.00	ST

REV	DATE	DESCRIPTION	ECN
A	2007/5/17	機軸#15-H17	579
B	2007/8/21	#4(NV 00059081)-NV 00069080J	717
C	2007/8/31	#56(NV 00079026)-J	717



(TURRET ATC)

MODEL: DT300/480/710	SCALE: 1:28
PART NAME Z-axis telescopic Z 軸伸縮護蓋	PAGE 1 OF 1
PART NUMBER NV 000004703J	REV. B
DATE 2004/9/6	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004703J

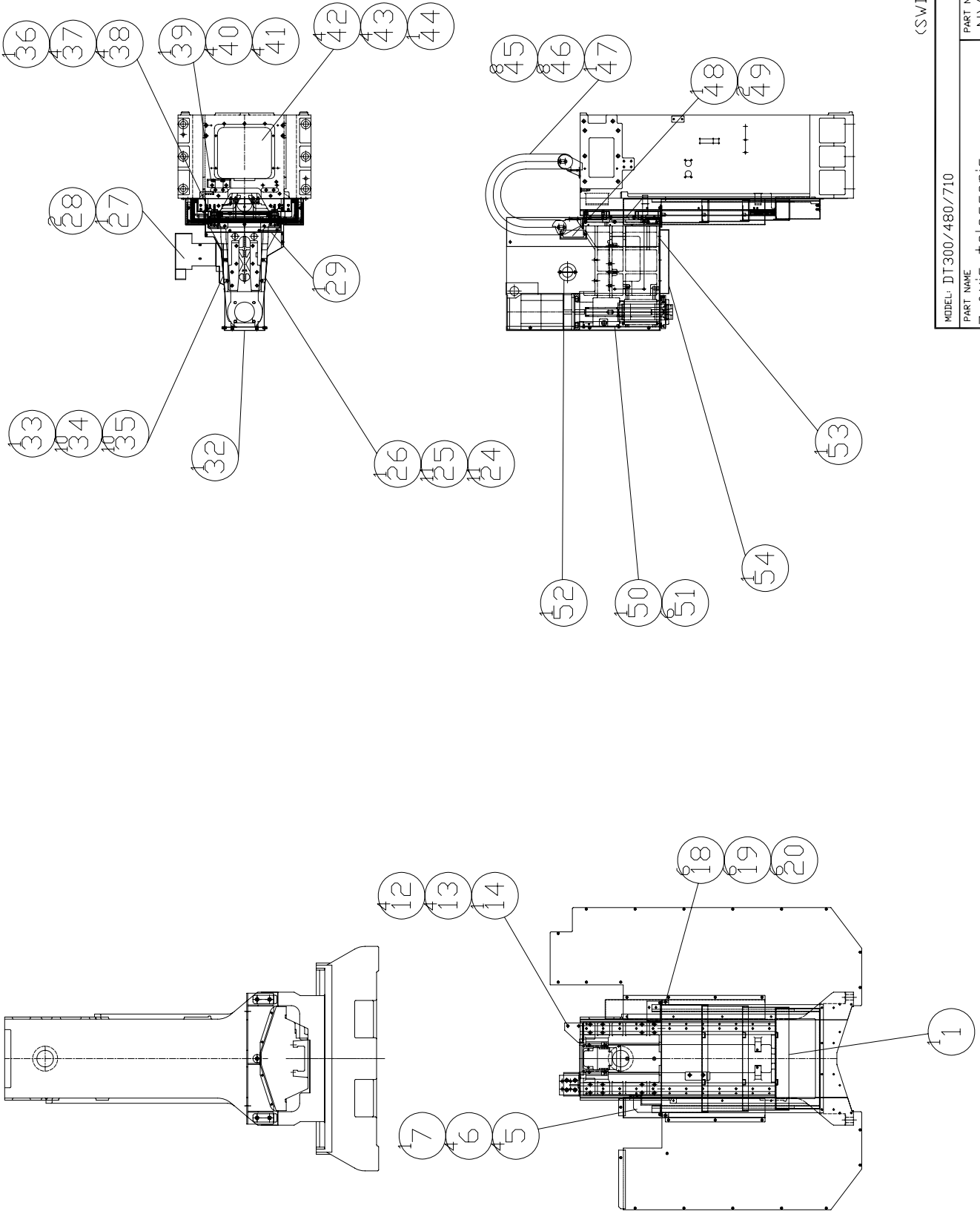
Description: Z-AXIS TELESCOPIC
Z軸伸縮護蓋

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 001011506J	WAYCOVER, Z-AXIS BOTTOM	Z軸下伸縮護蓋	L808XW560XH136.7	1.00	ST
5.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
6.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
7.00	NV 000199051J	SUPPORT,COVER WAY	伸縮護蓋支撐架	L90.7xW101xH153.4	1.00	EA
12.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
13.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
14.01	NV 000699030J	BRACKET, MANIFOLD CTS	右連動鏈座	L95xW51xH155	1.00	EA
18.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
19.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
20.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
24.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
25.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
26.01	NV 001011605J	RIGHT COVER(HEADSTOCK)	主軸箱右側蓋	L:386xW:707.3xH:138.4	1.00	EA
30.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
31.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
32.00	NV 001011608J	FRONT COVER(HEADSTOCK/TURRET)	主軸箱前蓋(TURRET)	L:286xW:187xH:20	1.00	EA
33.00	NV 001011607J	LEFT COVER(HEADSTOCK/TURRET)	主軸箱左側蓋(TURRET)	L:386xW:673.3xH:122.2	1.00	EA
34.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
35.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
36.00	NV 000199067J	BRACKET, UTILITY CARRIER(turre	左連動鏈座(turret ATC)	L95xW100xH51	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
37.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
38.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
39.00	NV 000199066J	BRACKET, UTILITY CARRIER(RIGHT)	右連動鏈座	L113xW80xH39	1.00	EA
40.00	MW 0104010	FLAT WASHER	平墊圈	M10	4.00	EA
41.00	MS 0104018	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL20	4.00	EA
42.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
43.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
44.00	NV 001011527J	COVER, COLUMN TOP	立柱頂蓋	L266XW290XH2.3	1.00	EA
45.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	8.00	EA
46.00	MS 0104018	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL20	8.00	EA
47.00	NV 001162300J	UTILITY CARRIER, Z-AXIS(#30, α 1	Z軸連動護管(#30, α 12)	[坤溢]KY-CE-0625-1B-16P	1.00	EA
48.00	NV 000199064J	COVER, GREASE FEED	蓋(油脂)	L118xW37xH2.3	1.00	EA
49.00	MS 0313514	FLAT HD. SOCKET	六角穴平頭螺絲	M5xP0.8xL8	2.00	EA
50.00	NV 000199090J	REAR SUPPORT, HEADSTOCK	主軸後支撐板	L:369xW:48xH:25	1.00	EA
51.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
52.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
53.00	NV 000199088J	PLATE, HEADSTOCK (turret)	主軸箱前蓋板(turret)	L185xW129xH3	1.00	EA
54.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	6.00	EA
55.01	NV 000199065J	COVER, COOLANT	預留孔蓋	D42xH2.3	1.00	EA
56.00	NV 000799026J	COVER	防屑蓋板	L307xW222xH43.5	1.00	ST

C	#54(NV 00079026J)	2007/8/31	3-4	REV	DESCRIPTION	DATE	ECN
A	機殼					2007/5/17	579
B	#4(NV 00059078J-NV 00069029J)	2007/8/2				2007/8/2	717



(SWING ARM ATC)

MODEL: DT300/480/710	SCALE 1:28
PART NAME Z-axis telescopic Z 軸伸縮保護蓋	JACK PITL
PART NUMBER NV 000004703JA	REV. B
PAGE 1 OF 1	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004703JA

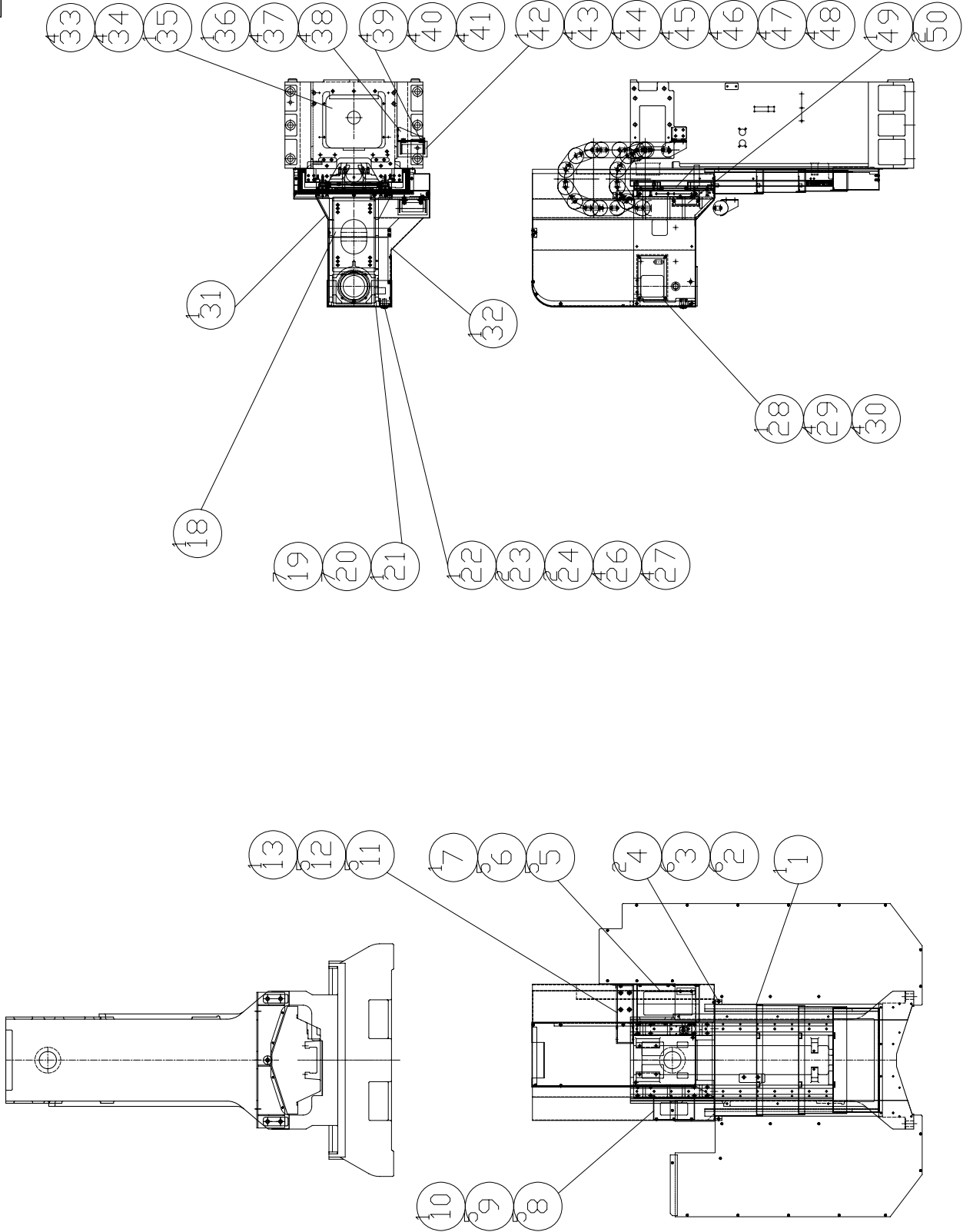
Description: Z-AXIS TELESCOPIC
Z軸伸縮護蓋

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 001011506J	WAYCOVER, Z-AXIS BOTTOM	Z軸下伸縮護蓋	L808XW560XH136.7	1.00	ST
5.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
6.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
7.00	NV 000199051J	SUPPORT,COVER WAY	伸縮護蓋支撐架	L90.7xW101xH153.4	1.00	EA
12.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
13.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
14.01	NV 000699029J	BRACKET, MANIFOLD CTS	右連動鏈座(換刀臂式)	L95xW51xH155	1.00	EA
18.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
19.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
20.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
24.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	11.00	EA
25.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	11.00	EA
26.00	NV 001011609J	RIGHT COVER, HEADSTOCK(SWING A	主軸箱右側蓋(SWING ARM)	L:386xW:707.3xH:138.4	1.00	EA
27.00	NV 000199097J	CHAIN COVER, SWING ARM ATC	鏈條護蓋(ATC)	180*231.8*222.1	1.00	EA
28.00	MS 0103614	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL8	2.00	EA
29.00	NV 000199091J	REAR SUPPORT,HEADSTCOK	主軸後支撐板	L102.5xW110xH30	1.00	EA
32.00	NV 001011610J	FRONT COVER(HEADSTOCK/SWING AR	主軸箱前蓋(SWING ARM)	L:286xW:187xH:20	1.00	EA
33.00	NV 001011606J	LEFT COVER(HEADSTOCK/SWING ARM	主軸箱左側蓋(SWING ARM)	L:386xW:673.3xH:122.2	1.00	EA
34.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	10.00	EA
35.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	10.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
36.00	NV 000199099J	BRACKET, UTILITY CARRIER(swing	左連動鏈座(swing arm ATC)	L95xW100xH51	1.00	EA
37.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
38.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
39.00	NV 000199086J	BRACKET, UTILITY CARRIER	連動護管支撐架	L:113xW:80xH:39	1.00	EA
40.00	MW 0104010	FLAT WASHER	平墊圈	M10	4.00	EA
41.00	MS 0104018	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL20	4.00	EA
42.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
43.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
44.00	NV 001011527J	COVER, COLUMN TOP	立柱頂蓋	L266xW290XH2.3	1.00	EA
45.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
46.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	8.00	EA
47.00	NV 001162300J	UTILITY CARRIER, Z-AXIS(#30, α 1	Z軸連動護管(#30, α 12)	[坤溢]KY-CE-0625-1B-16P	1.00	EA
48.00	NV 000199064J	COVER, GREASE FEED	蓋(油脂)	L118xW37xH2.3	1.00	EA
49.00	MS 0313514	FLAT HD. SOCKET	六角穴平頭螺絲	M5xP0.8xL8	2.00	EA
50.00	NV 000299014J	COVER, HEADSTOCK (swing arm)	主軸箱隔音前蓋(swing arm)	L185xW129xH3	1.00	EA
51.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	6.00	EA
52.00	NV 000799008J	COVER	蓋板	D84	1.00	EA
53.01	NV 000199065J	COVER, COOLANT	預留孔蓋	D42xH2.3	1.00	EA
54.00	NV 000799026J	COVER	防屑蓋板	L307xW222xH43.5	1.00	ST

REV	DESCRIPTION	DATE	ENCL
A	機架	2007/8/20	579



MODEL: VMC-480/710

PART NAME
Z-axis telescope
Z 車轴/伸縮筒蓋

PART NUMBER
NV 000004703L

PAGE 1 OF 1

REV. A

SCALE 1:28

JACK PULL

DATE 2004/9/6

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004703L

Description: Z-AXIS TELESCOPIC
Z軸伸縮護蓋

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 001011506J	WAYCOVER, Z-AXIS BOTTOM	Z軸下伸縮護蓋	L808XW560XH136.7	1.00	ST
2.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
4.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
5.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
6.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
7.00	NV 001011516L	SUPPORT, HEADSTOCK RIGHT COVER	主軸箱右側蓋支撐架	L290xW173.5xH35	1.00	EA
8.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
9.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
10.00	NV 000299040L	SUPPORT, HEADSTOCK LEFT COVER	主軸箱左側蓋支撐架	L191xW102xH30	1.00	EA
11.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	5.00	EA
12.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	5.00	EA
13.00	NV 000199060L	BRACKET, UTILITY CARRIER	連動鏈座	L272.5xW80xH41	1.00	EA
18.00	NV 000199063L	PLATE,CONNECT	連接板	L290.5xW42.3xH23	1.00	EA
19.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	7.00	EA
20.00	MS 0303616	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M6xP1.0xL12	7.00	EA
21.00	NV 001011517L	COVER, HEADSTOCK FRONT	主軸箱前蓋	L761.8xW301.2xH122.3	1.00	EA
22.00	NV 000199053A	SEAT, SWIECH	開關座	L35xW30xH29	1.00	EA
23.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	2.00	EA
24.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	2.00	EA

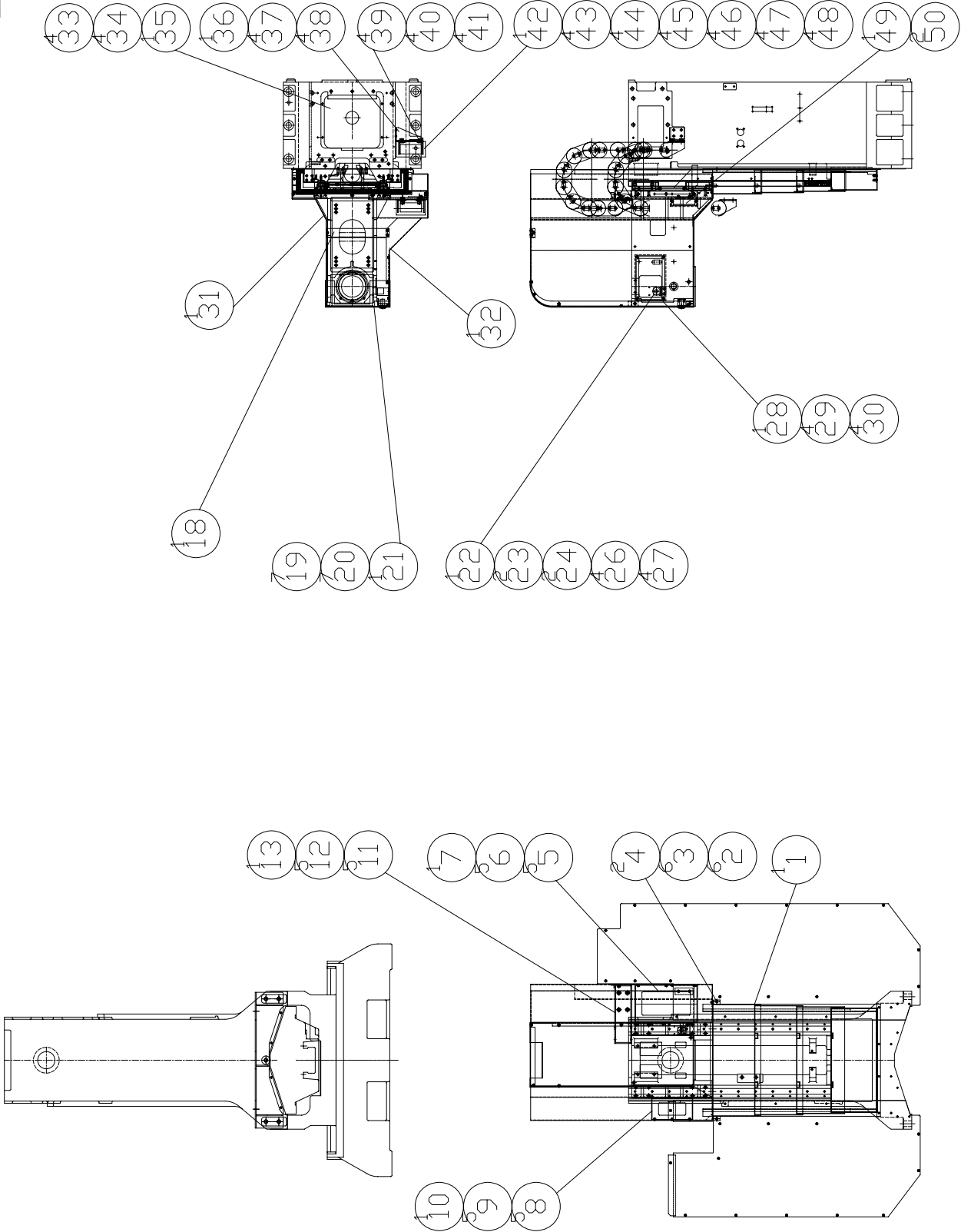
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
26.00	MS 0303413	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M4xP0.7xL6	4.00	EA
27.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
28.00	NV 001011521L	COVER, HEADSTOCK	蓋子(皮帶張力)	L203xW133xH2.3	1.00	EA
29.00	MS 0303516	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M5xP0.8xL12	4.00	EA
30.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
31.01	NV 001011520L	COVER, HEADSTOCK LEFT	主軸箱左側蓋	L634xW186xH844.7	1.00	EA
32.02	NV 001011519L	COVER, HEADSTOCK RIGHT	主軸箱右側蓋	L636xW258.3xH844.7	1.00	EA
33.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
34.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
35.00	NV 001011527J	COVER, COLUMN TOP	立柱頂蓋	L266XW290XH2.3	1.00	EA
36.00	NV 000199056L	BRACKET, UTILITY CARRIER	連動鏈座	L129xW70xH64	1.00	EA
37.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	4.00	EA
38.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	4.00	EA
39.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	4.00	EA
40.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
41.00	MW 0104010	FLAT WASHER	平墊圈	M10	4.00	EA
42.00	NV 001162300A	UTILITY CARRIER, Z-AXIS	Z軸連動護管	[坤溢]CBO-55-50*100*350-12P	1.00	ST
43.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	4.00	EA
44.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
45.00	MW 0104010	FLAT WASHER	平墊圈	M10	4.00	EA
46.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	4.00	EA
47.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	4.00	EA
48.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
49.00	NV 000199064L	COVER, GREASE FEED	蓋(油脂)	L118xW37xH2.3	1.00	EA
50.00	MS 0313514	FLAT HD. SOCKET	六角六平頭螺絲	M5xP0.8xL8	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	機架	2008/1/18	005



FDR APC

MODEL: VMC 480APC

PART NAME

Z-axis telescope

Z 車轴/申轴望远镜 蓋

DATE 2008/1/18

JACK
P.T.L

SCALE 1:28

REV. A

PART NUMBER

NV 000004706L

PAGE 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004706L

Description: Z-AXIS TELESCOPIC
Z軸伸縮護蓋

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 001011506J	WAYCOVER, Z-AXIS BOTTOM	Z軸下伸縮護蓋	L808XW560XH136.7	1.00	ST
2.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
4.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
5.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
6.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
7.00	NV 001011516L	SUPPORT, HEADSTOCK RIGHT COVER	主軸箱右側蓋支撐架	L290xW173.5xH35	1.00	EA
8.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
9.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
10.00	NV 000299040L	SUPPORT, HEADSTOCK LEFT COVER	主軸箱左側蓋支撐架	L191xW102xH30	1.00	EA
11.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	5.00	EA
12.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	5.00	EA
13.00	NV 000199060L	BRACKET, UTILITY CARRIER	連動鏈座	L272.5xW80xH41	1.00	EA
18.00	NV 000199063L	PLATE,CONNECT	連接板	L290.5xW42.3xH23	1.00	EA
19.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	7.00	EA
20.00	MS 0303616	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M6xP1.0xL12	7.00	EA
21.00	NV 001011526L	COVER, HEADSTOCK FRONT	主軸箱前蓋	L301.2xW761.8xH123.4	1.00	EA
22.00	NV 000599011L	SEAT, SWIECH	開關座	L57xW65xT2.3	1.00	EA
23.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	2.00	EA
24.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	2.00	EA

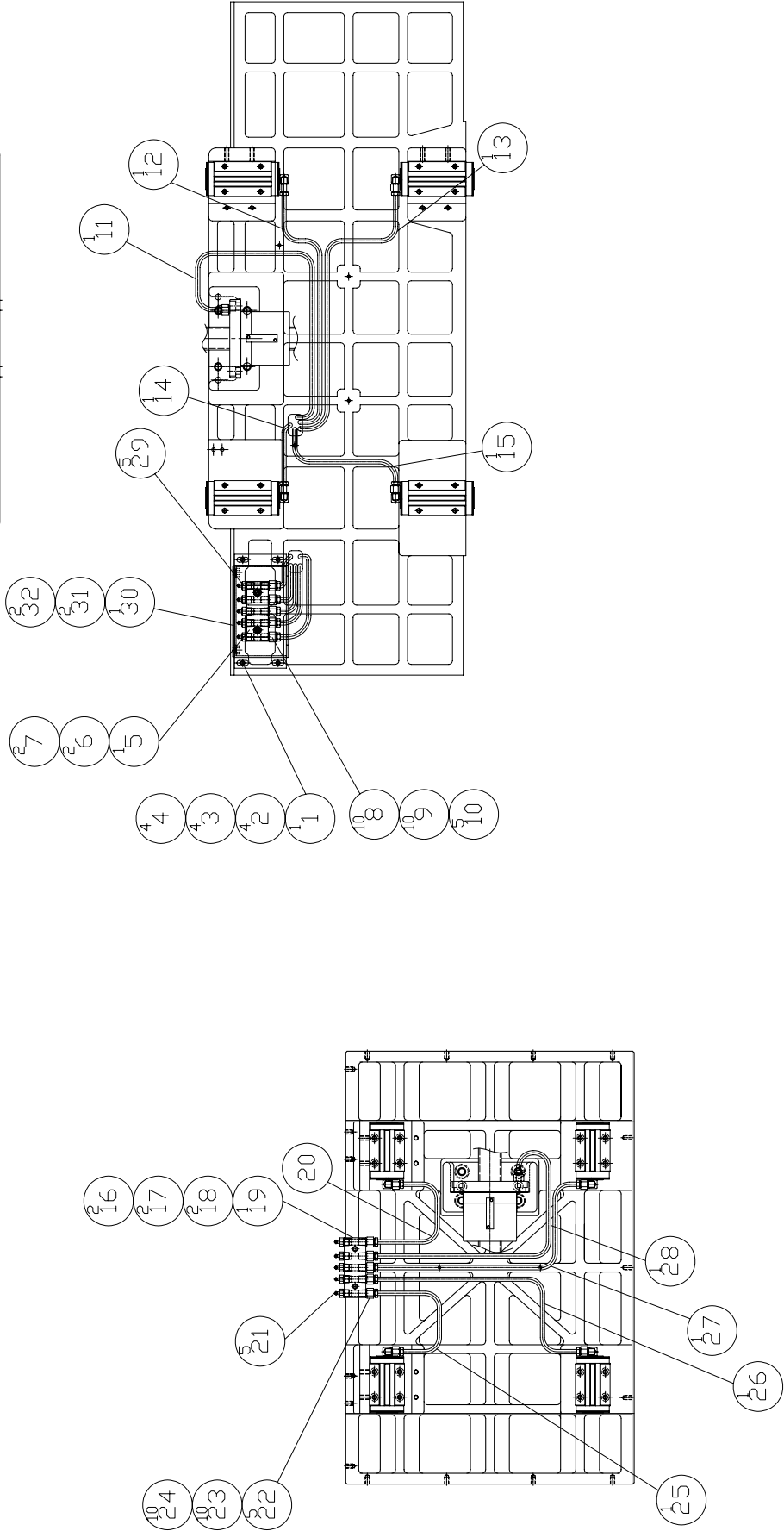
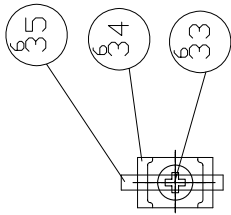
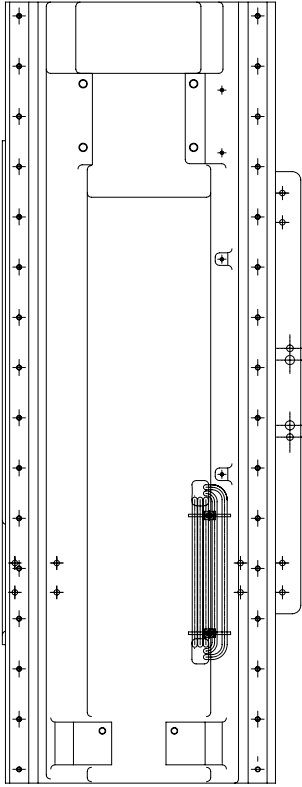
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
26.00	MS 0303413	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M4xP0.7xL6	4.00	EA
27.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
28.00	NV 001011518L	COVER, HEADSTOCK	蓋子(皮帶張力)(APC)	L203xW133xT2.3	1.00	EA
29.00	MS 0303516	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M5xP0.8xL12	4.00	EA
30.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
31.00	NV 001011520L	COVER, HEADSTOCK LEFT	主軸箱左側蓋	L634xW186xH844.7	1.00	EA
32.00	NV 001011519L	COVER, HEADSTOCK RIGHT	主軸箱右側蓋	L636xW258.3xH844.7	1.00	EA
33.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
34.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
35.00	NV 001011527J	COVER, COLUMN TOP	立柱頂蓋	L266XW290XH2.3	1.00	EA
36.00	NV 000199056L	BRACKET, UTILITY CARRIER	連動鏈座	L129xW70xH64	1.00	EA
37.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	4.00	EA
38.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	4.00	EA
39.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	4.00	EA
40.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
41.00	MW 0104010	FLAT WASHER	平墊圈	M10	4.00	EA
42.00	NV 001162300L	UTILITY CARRIER, Z-AXIS	Z軸連動護管	[坤溢]KY-CE CBO5510-11P	1.00	ST
43.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	4.00	EA
44.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
45.00	MW 0104010	FLAT WASHER	平墊圈	M10	4.00	EA
46.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	4.00	EA
47.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	4.00	EA
48.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
49.00	NV 000199064L	COVER, GREASE FEED	蓋(油脂)	L118xW37xH2.3	1.00	EA
50.00	MS 0313514	FLAT HD. SOCKET	六角六平頭螺絲	M5xP0.8xL8	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	標準形	2006/6/1	154
B	#30 NV0019063-4V 00019074	2007/8/28	71



MODEL: DT-480 / VMC-480	SCALE: 1:10
PART NAME: X,Y AXIS LUBRICATION SYSTEM	SCALE: 1:10
PART NUMBER: NV 000004607J	SCALE: 1:10
PAGE: 1 OF 1	SCALE: 1:10
REV: A	SCALE: 1:10

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004607J

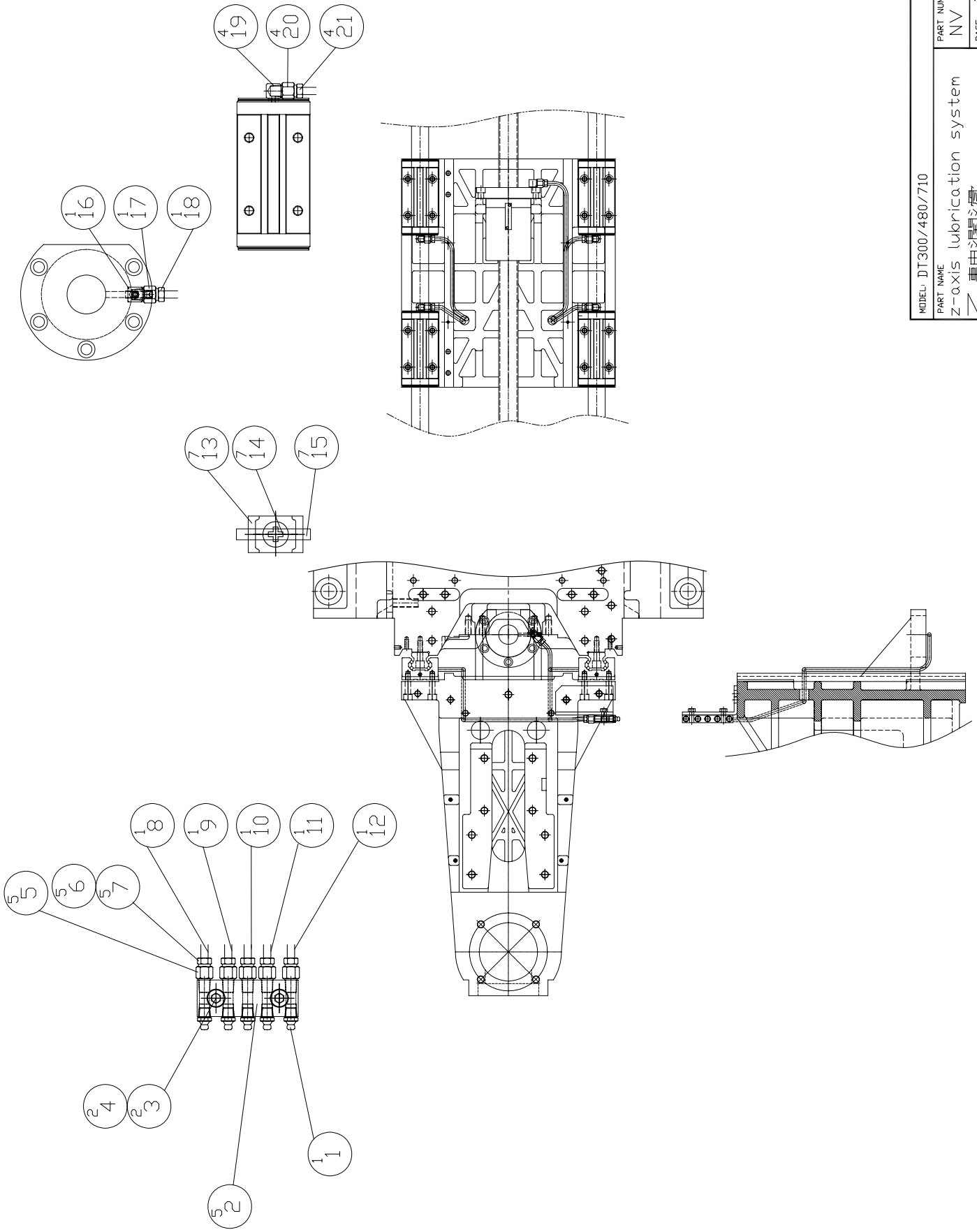
Description: LUBRICATION SYSTEM
潤滑系統

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000199025J	SEAT, MANIFOLD	分油塊座	L158xW23xH72	1.00	EA
2.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
3.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
4.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	4.00	EA
5.00	NV 001023400D	MANIFOLD, LUBRICATION	分油塊	L83xW30xH12.7	1.00	EA
6.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
7.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
8.00	NV 00069660401	THIMBLE, BRASS	套管	Φ6	10.00	EA
9.00	NV 00077031102	THIMBLE NUT, BRASS	套管帽	M10xΦ6.1	10.00	EA
10.00	NV 00077031201	BUSHING, BRASS	卜申接頭	PT1/8xM10xP1	5.00	EA
11.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
12.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
13.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
14.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
15.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
16.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
17.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
18.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
19.00	NV 001023400D	MANIFOLD, LUBRICATION	分油塊	L83xW30xH12.7	1.00	EA
20.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00077030101	NIPPLE, GREASE FEED	牛油嘴	PT1/8	5.00	EA
22.00	NV 00077031201	BUSHING, BRASS	卜申接頭	PT1/8xM10xP1	5.00	EA
23.00	NV 00077031102	THIMBLE NUT, BRASS	套管帽	M10xΦ6.1	10.00	EA
24.00	NV 00069660401	THIMBLE, BRASS	套管	Φ6	10.00	EA
25.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
26.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
27.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	2.00	MT
28.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
29.00	NV 00077030101	NIPPLE, GREASE FEED	牛油嘴	PT1/8	5.00	EA
30.01	NV 000199073J	SEAT, MANIFOLD	分油塊座蓋板	L128xW40	1.00	EA
31.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
32.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
33.00	MS 0333413	PAN HEAD PHILIPS SCREW	十字圓頭螺絲	M4xP0.7xL6	6.00	EA
34.00	NV 00108210200	SADDLE TYPE TIE MOUNT	紫線固定座	HC-1 (KSS)	6.00	EA
35.00	NV 00108210001	CABLE TIE	紫線帶 (100mm 黑) (KSS)	CV-100	6.00	EA

REV	DESCRIPTION	DATE	ECN
A	標改	2007/5/17	579



MODEL: DT300/480/710	SCALE: 1:9
PART NAME: Z-axis lubrication system	REV: A
PART NUMBER: NV 000004704J	PAGE: 1 OF 1
DATE: 2004/9/6	REV: A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004704J

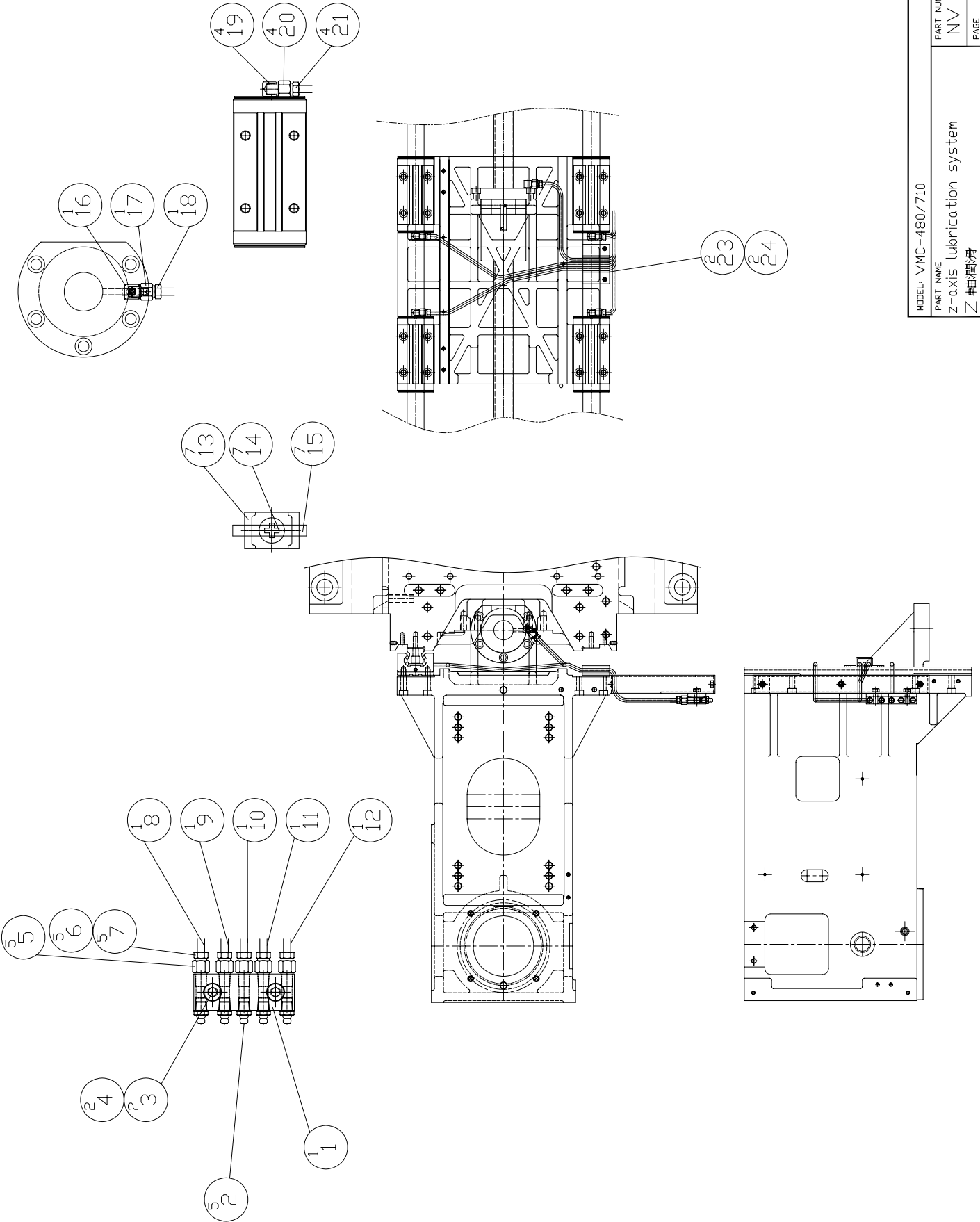
Description: Z-AXIS LUBRICATION SYSTEM
Z軸油脂潤滑

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 001023400D	MANIFOLD, LUBRICATION	分油塊	L83xW30xH12.7	1.00	EA
2.00	NV 00077030101	NIPPLE, GREASE FEED	牛油嘴	PT1/8	5.00	EA
3.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	2.00	EA
4.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
5.00	NV 00077031201	BUSHING, BRASS	卜申接頭	PT1/8xM10xP1	5.00	EA
6.00	NV 00077031102	THIMBLE NUT, BRASS	套管帽	M10xΦ6.1	5.00	EA
7.00	NV 00069660401	THIMBLE, BRASS	套管	Φ6	5.00	EA
8.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
9.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
10.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
11.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
12.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
13.00	NV 00108210200	SADDLE TYPE TIE MOUNT	繫線固定座	HC-1 (KSS)	7.00	EA
14.00	MS 0333413	PAN HEAD PHILIPS SCREW	十字圓頭螺絲	M4xP0.7xL6	7.00	EA
15.00	NV 00108210001	CABLE TIE	繫線帶 (100mm 黑) (KSS)	CV-100	7.00	EA
16.00	NV 00077031202	BUSH	卜申接頭	PT1/16xM10	1.00	EA
17.00	NV 00077031102	THIMBLE NUT, BRASS	套管帽	M10xΦ6.1	1.00	EA
18.00	NV 00069660401	THIMBLE, BRASS	套管	Φ6	1.00	EA
19.00	NV 00077031202	BUSH	卜申接頭	PT1/16xM10	4.00	EA
20.00	NV 00077031102	THIMBLE NUT, BRASS	套管帽	M10xΦ6.1	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00069660401	THIMBLE, BRASS	套管	Φ6	4.00	EA

REV	DESCRIPTION	DATE	ECN
A	機殼	2007/5/17	579



MODEL: VMC-480/710

PART NAME: Z-axis lubrication system

Z 軸潤滑器

DATE: 2004/9/6

SCALE: 1:1

REV: A

PAGE: 1 OF 1

REV: A

PART NUMBER: NV 000004704L

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000004704L

Description: Z-AXIS LUBRICATION SYSTEM
Z軸油脂潤滑

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 001023400D	MANIFOLD, LUBRICATION	分油塊	L83xW30xH12.7	1.00	EA
2.00	NV 00077030101	NIPPLE, GREASE FEED	牛油嘴	PT1/8	5.00	EA
3.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	2.00	EA
4.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
5.00	NV 00077031201	BUSHING, BRASS	卜申接頭	PT1/8xM10xP1	5.00	EA
6.00	NV 00077031102	THIMBLE NUT, BRASS	套管帽	M10xΦ6.1	5.00	EA
7.00	NV 00069660401	THIMBLE, BRASS	套管	Φ6	5.00	EA
8.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
9.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
10.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
11.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
12.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	1.00	MT
13.00	NV 00108210200	SADDLE TYPE TIE MOUNT	繫線固定座	HC-1 (KSS)	7.00	EA
14.00	MS 0333413	PAN HEAD PHILIPS SCREW	十字圓頭螺絲	M4xP0.7xL6	7.00	EA
15.00	NV 00108210001	CABLE TIE	繫線帶 (100mm 黑) (KSS)	CV-100	7.00	EA
16.00	NV 00077031202	BUSH	卜申接頭	PT1/16xM10	1.00	EA
17.00	NV 00077031102	THIMBLE NUT, BRASS	套管帽	M10xΦ6.1	1.00	EA
18.00	NV 00069660401	THIMBLE, BRASS	套管	Φ6	1.00	EA
19.00	NV 00077031202	BUSH	卜申接頭	PT1/16xM10	4.00	EA
20.00	NV 00077031102	THIMBLE NUT, BRASS	套管帽	M10xΦ6.1	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

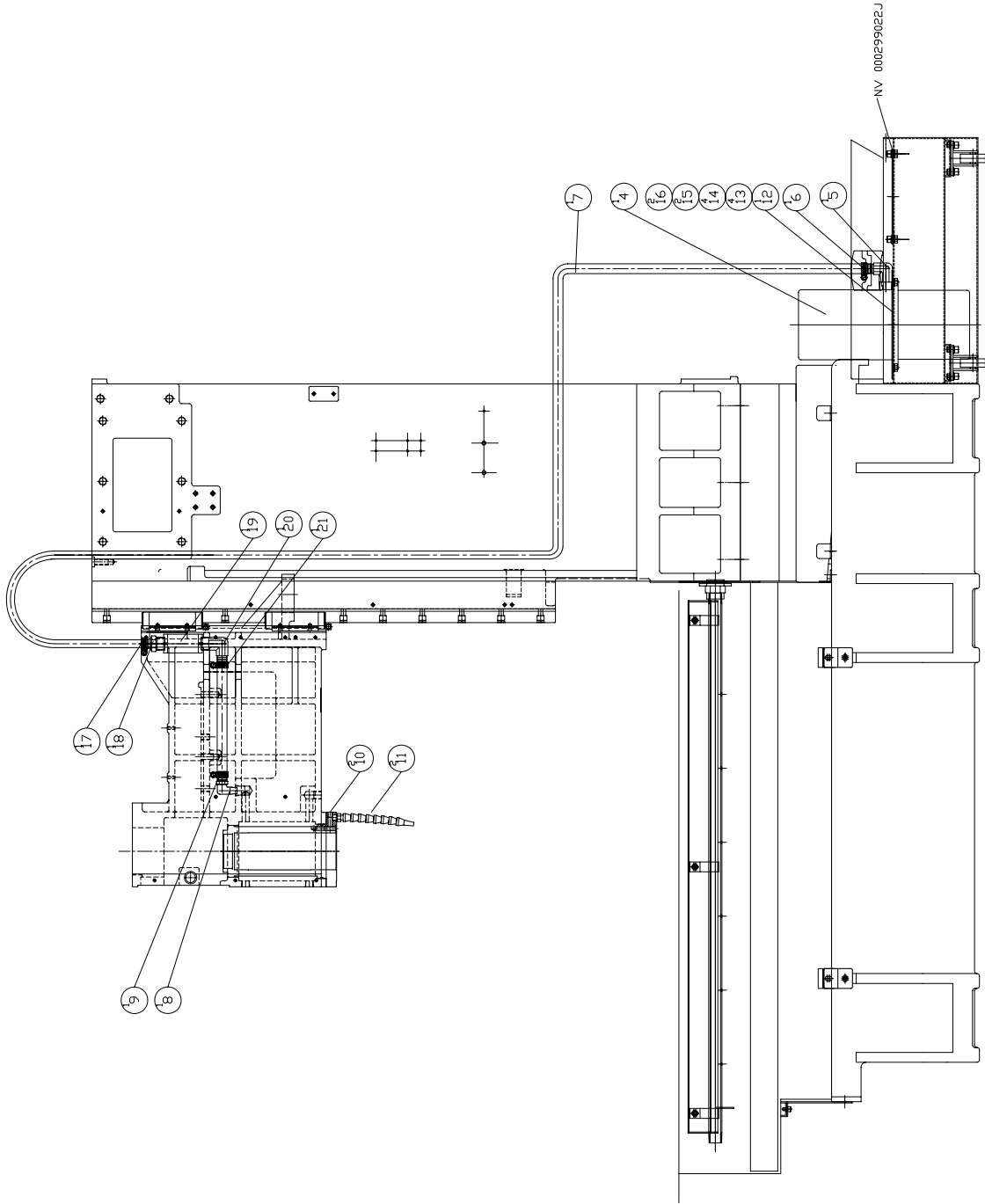
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00069660401	THIMBLE, BRASS	套管	Φ6	4.00	EA
23.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
24.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	2.00	EA

Chapter 3

切削水管路

Piping Parts

REV	DESCRIPTION	DATE	ECN
A	標放	2007/5/17	579



MODEL: DT-300/480/710

PART NAME

STANDARD PIPING PARTS

一般切削水管路

DATE 2004/9/13

SCALE 1:14

REV. A

PART NUMBER

NV 000331001J

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REV. A

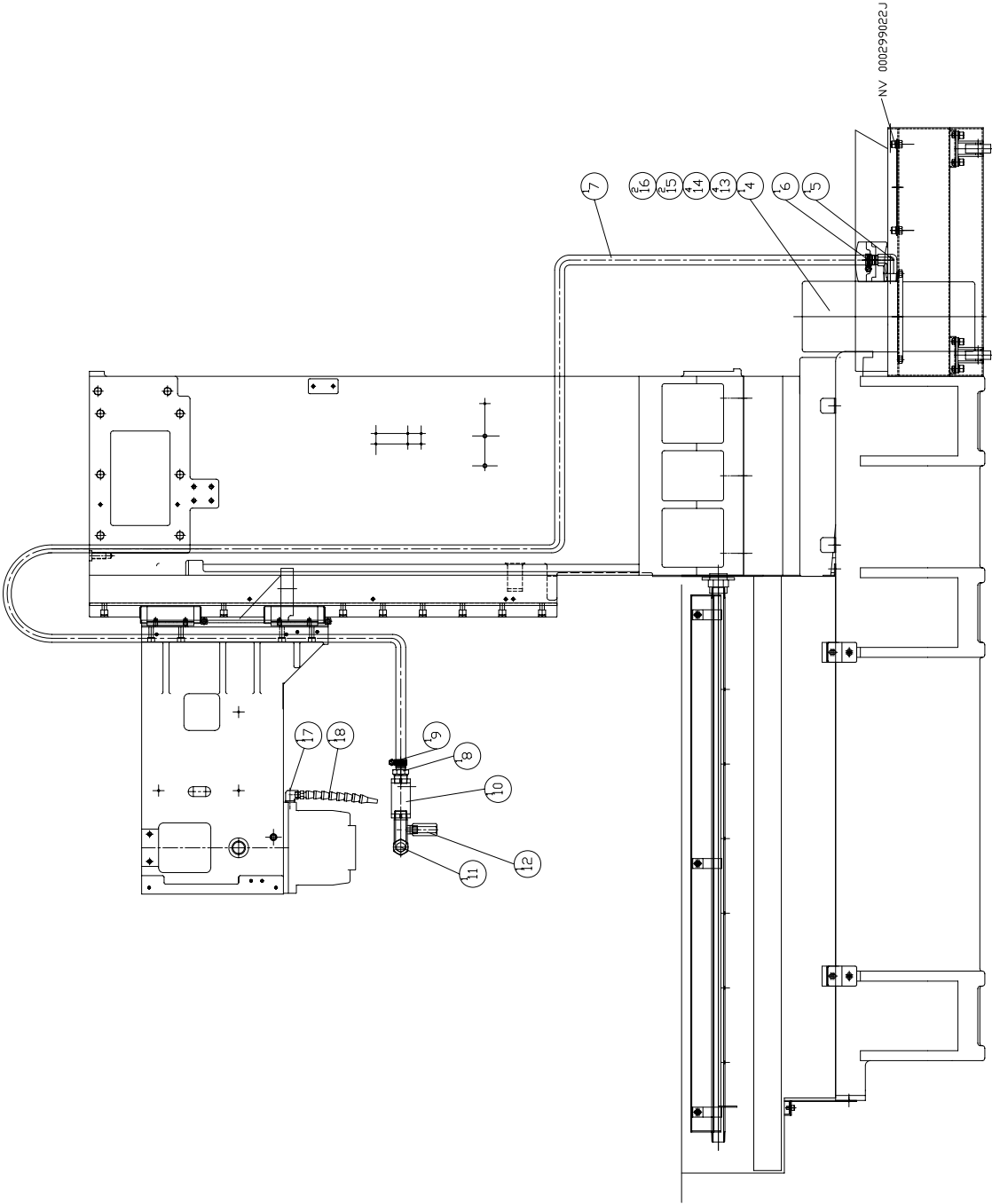
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000331001J

Description: STANDARD PIPING PARTS
一般切削水管路

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
4.00	BL 00033250101	PUMP, COOLANT	切削水泵浦	[GRUNDFOS] MTH4-20	1.00	ST
5.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X ϕ 3/4"	1.00	EA
6.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
7.00	NV 00069650199	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2(L3.8m)	1.00	EA
8.00	NV 00077030509	CONNECTOR, 90 DEGREE	90度插心接頭	PT1/2"x ϕ 3/4"	1.00	EA
9.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
10.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	2.00	EA
11.00	NV 00070110111	NOZZLE, COOLANT	冷卻水噴嘴(圓嘴)	PT1/4"x頭尾8Px圓嘴 ϕ6	2.00	ST
12.00	BL 000299024A	COVER	蓋板	L220xd145xH5	1.00	EA
13.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
14.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
15.00	MS 0353818	Wing Screw	翼型螺絲	M8xP1.25xL20	2.00	EA
16.00	MN 0113810	HEXAGON NUT	六角螺帽	M8xP1.25	2.00	EA
17.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
18.00	NV 00077030504	CONNECTOR	插心直接頭	PT3/4"X ϕ 3/4"	1.00	EA
19.00	NV 00100590111	CHECK VALVE	逆止閥	[TA SHIN] PT3/4"(PRESSURE 0.3	1.00	EA
20.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X ϕ 3/4"	1.00	EA
21.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
22.00	NV 00069650106	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2(L 0.5 m)	1.00	EA

REV	DESCRIPTION	DATE	ENCL
A	標準図	2007/9/5	579



MODEL: VMC-480/710

PART NAME
STANDARD PIPING PARTS
一般切削水管路

PART NUMBER
NV 000331001L

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REV. A

SCALE 1:14

DATE 2004/9/13

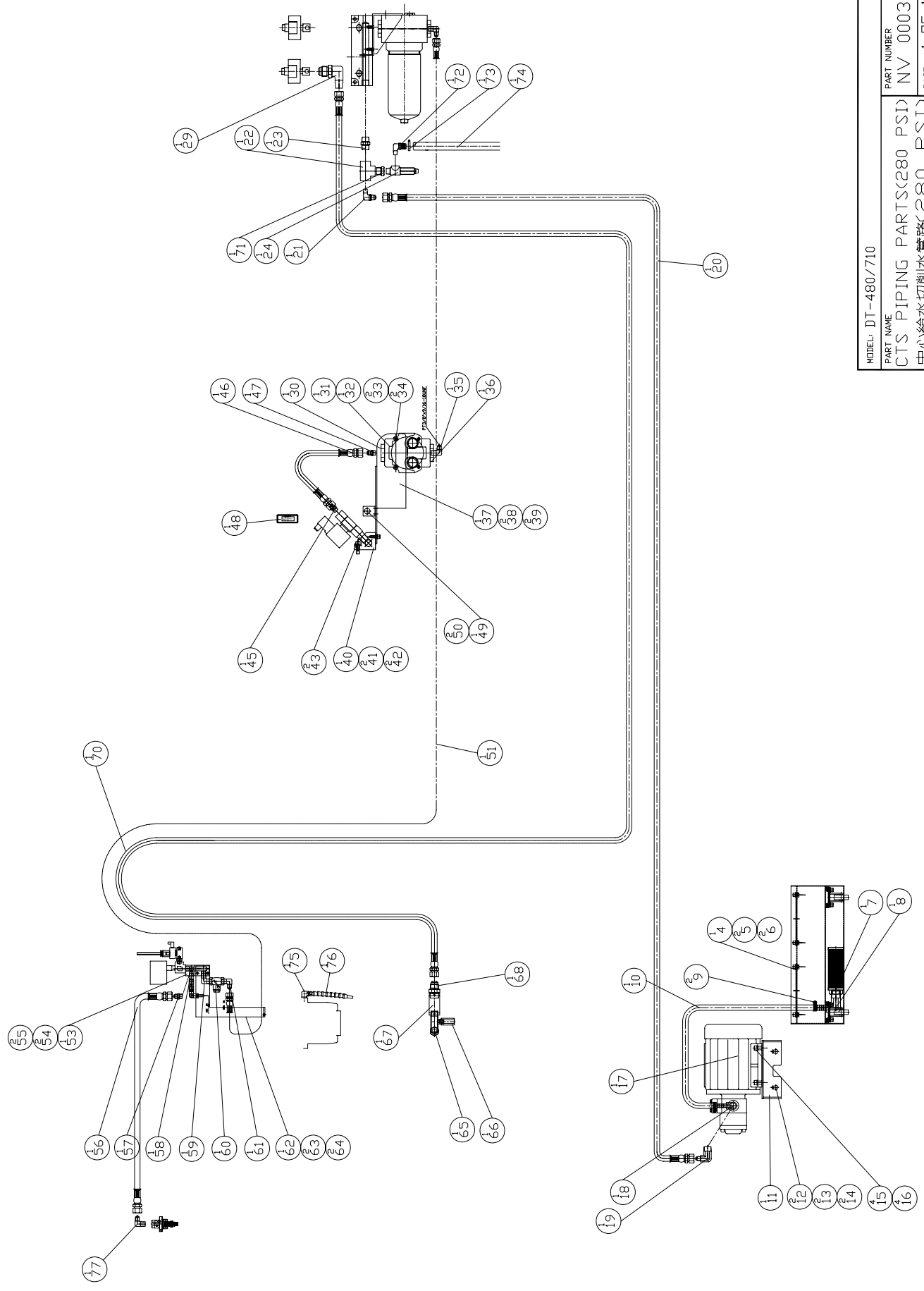
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000331001L

Description: STANDARD PIPING PARTS
一般切削水管路

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
4.00	BL 00033250101	PUMP, COOLANT	切削水泵浦	[GRUNDFOS] MTH4-20	1.00	ST
5.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X ϕ 3/4"	1.00	EA
6.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
7.00	NV 00069650201	耐油橡膠管	耐油橡膠管	3/4"-1Bx8kg/cm2(L2.85m)	1.00	EA
8.00	NV 00077030504	CONNECTOR	插心直接頭	PT3/4"X ϕ 3/4"	1.00	EA
9.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
10.00	NV 00077030405	TEE UNION	內螺紋三通	PT3/4"	1.00	EA
11.00	NV 001010911A	MULTIPLY ADAPTER	多向接頭	PT3/4Xpt3/4Xpt3/8x89.7L	1.00	EA
12.00	NV 00100590112	CHECK VALVE, AIR	風壓逆止閥	PT3/8(CV-03)	1.00	EA
13.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
14.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
15.00	MS 0353818	Wing Screw	翼型螺絲	M8xP1.25xL20	2.00	EA
16.00	MN 0113810	HEXAGON NUT	六角螺帽	M8xP1.25	2.00	EA
17.00	NV 00077031809	ELBOW, BRASS 90 DEG MALE&FEMALE	90度內外雙螺紋肘管	PT1/4"xPT1/4"	1.00	EA
18.00	NV 00070110111	NOZZLE, COOLANT	冷卻水噴嘴(圓嘴)	PT1/4"x頭尾8Px圓嘴 ϕ6	1.00	ST

REV	DESCRIPTION	DATE	ECN
A	新形機	2007/6/20	
B	切削水管路全面改用薄壁軟管	2007/9/21	796



MODEL: DT-480/710	PART NUMBER: NV 000331003J
PART NAME: CTS PIPING PARTS<280 PSI>	PAGE: 1 OF 1
中心給水切削水管路<280 PSI>	REV: B
DATE: 2007/6/20	SCALE: 1:15

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000331003J

Description: CTS PIPING PARTS(280 PSI)
中心給水切削水管路(280 PSI)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
4.00	NV 000299023L	COVER	蓋板	L220xH2.3	1.00	EA
5.00	MS 0353818	Wing Screw	翼型螺絲	M8xP1.25xL20	2.00	EA
6.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
7.00	NV 001161409A	FILTER	濾油網	MF-08(PT1"X320L)	1.00	EA
8.00	NV 00077030514	CONNECTOR	90度插心接頭	Elbow PT1"X φ 11/4"	1.00	EA
9.00	NV 00069660302	CLAMP, HOSE	不銹鋼管夾	2"	2.00	EA
10.00	NV 00069650117	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	1-1/4"-SAE100R1-1.5m	1.00	EA
11.00	NV 000299057L	SEAT, COOLANT PUMP	切削水泵座	L239.7xW210xH65	1.00	EA
12.00	MS 0103818	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL20	2.00	EA
13.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
14.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	2.00	EA
15.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	4.00	EA
16.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
17.00	NVA00033250102	PUMP, COOLANT	直結泵浦(接線盒轉180度)	2HPxTK3020,(230V/380V) 50/60 H	1.00	ST
18.00	NV 00077030514	CONNECTOR	90度插心接頭	Elbow PT1"X φ 11/4"	1.00	EA
19.00	NV 00077031531	ELBOW, 90 DEG MALE	90度肘管接頭	PT1"x1 1/16"-12UNF	1.00	EA
20.00	NV 00069650198	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-1 1/16-12UNFx1.5m	1.00	EA
21.00	NV 00077031523	ELBOW, 90 DEG MALE	90度肘管接頭	PT3/4"(male)X9/16"-18UNF(male)	1.00	EA
22.00	NV 00077030405	TEE UNION	內螺紋三通	PT3/4"	1.00	EA
23.00	NV 00077030207	CONNECTOR, STRAIGHT	直接頭	PT3/4"XPT3/4"	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
24.00	NV 00100590114	RELIEVE VALVE	洩載閥	1.00	EA
28.00	NV 00069660304	CLAMP, HOSE (20kg/cm ²)	不銹鋼管夾(20kg/cm ²)	1.00	EA
29.01	NV 00077031533	ELBOW, 90 DEG MALE	90度肘管接頭	1.00	EA
30.00	NV 00077031216	BUSHING	卜申接頭	1.00	EA
31.00	NV 00116140114	FILTER BODY & FILTER, CTS	過濾器(本體+濾網)(CTS)	1.00	ST
32.00	NV 00116140115	FILTER ELEMENT	濾網	1.00	EA
33.00	MS 0103818	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	2.00	EA
34.00	MW 0183810	SPRING WASHER	彈簧墊圈	2.00	EA
35.00	NV 00077031504	ELBOW, 90 DEG MALE	90度肘管接頭	1.00	EA
36.00	NV 00077031217	BUSHING	卜申接頭	1.00	EA
37.01	NVB000199091A	BRACKET,FILTER	過濾器支撐架	1.00	EA
38.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	2.00	EA
39.00	MW 0183810	SPRING WASHER	彈簧墊圈	2.00	EA
40.00	NV 001066111A	BRACKET, COOLANT VALVE	冷卻水閥固定架(中心給水)	1.00	EA
41.00	MS 0104020	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	2.00	EA
42.00	MW 0184010	SPRING WASHER	彈簧墊圈	2.00	EA
43.00	NV 00077030207	CONNECTOR, STRAIGHT	直接頭	2.00	EA
45.00	NV 00077030234	CONNECTOR	直接頭	1.00	EA
46.00	NV 00069650179	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	1.00	EA
47.00	NV 00077030234	CONNECTOR	直接頭	1.00	EA
48.00	NV 001030257A	TAG, COOLANT THROUGH SPINDLE	中心給水銘牌(英)	1.00	EA
49.00	NV 000199064A	SUPPORT, SILENCER	消音器座	1.00	EA
50.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	2.00	EA

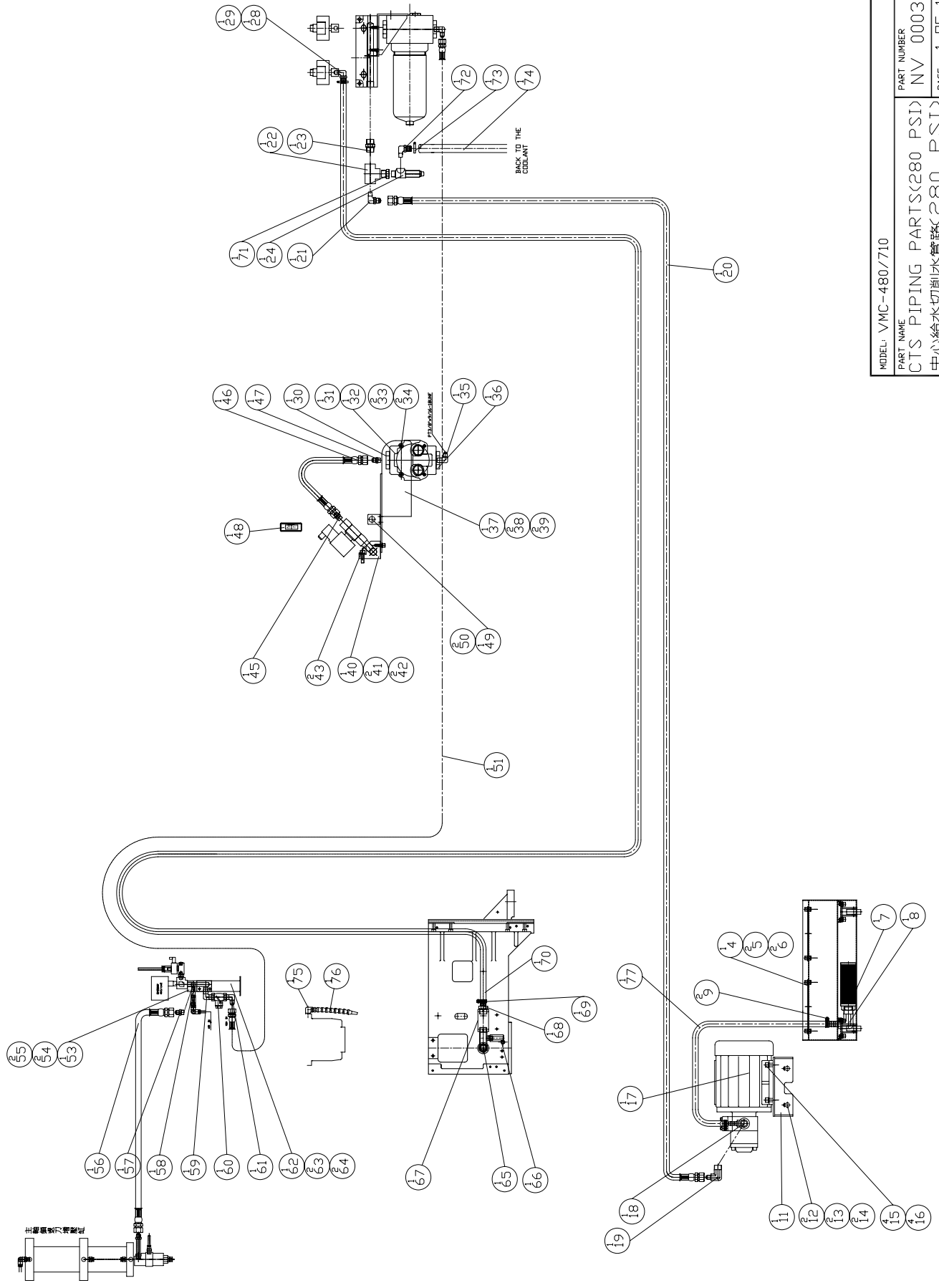
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
51.00	NV 00069650197	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	HOSE 9/16-18UNFx4m	1.00	EA
53.00	NV 001066112A	MANIFOLD, THRU SPD COOLANT	水氣轉換架	L86XW25XH38	1.00	EA
54.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
55.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
56.01	NV 00069650250	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	Φ3/8x 9/16-18UNFx400L	1.00	EA
57.00	NV 0007703208	NIPPLE, STRAIGHT	直接頭	PT3/8x9/16-18UNF	1.00	EA
58.00	NV 0007703206	NIPPLE, STRAIGHT	立布管	PT1/4"XPT1/4"X30L(P012)	1.00	EA
59.00	NV 00077031505	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)XPT3/8"(male)	1.00	EA
60.00	NV 00100590103	CHECK VALVE, COOLANT	切削水逆止閥	PT1/2	1.00	EA
61.00	NV 00077031506	ELBOW, 90 DEG MALE	90度肘管接頭(擴內孔搭@特殊件)	PT1/2"maleX9/16"-18UNFmale擴孔嘴	1.00	EA
62.00	NV 000699027J	BRACKET, MANIFOLD CTS	水氣轉換支撐架	L126XW30XH250	1.00	EA
63.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
64.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
65.00	NV 001010911A	MULTIPLY ADAPTER	多向接頭	PT3/4Xpt3/4Xpt3/8x89.7L	1.00	EA
66.00	NV 00100590112	CHECK VALVE, AIR	風壓逆止閥	PT3/8(CV-03)	1.00	EA
67.00	NV 00100590111	CHECK VALVE	逆止閥	[TA SHIN] PT3/4"(PRESSURE 0.3	1.00	EA
68.01	NV 00077030234	CONNECTOR	直接頭	PT3/4"x7/8"-14UNF	1.00	EA
69.00	NV 00069660304	CLAMP, HOSE (20kg/cm^2)	不銹鋼管夾(20kg/cm^2)	11/4"	1.00	EA
70.00	NV 00069650196	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-φ 3/4"-3.8m	1.00	EA
71.00	NV 00077031218	BUSHING	卜申接頭	PT3/4"Xpt1/2"	1.00	EA
72.00	NV 00077030509	CONNECTOR, 90 DEGREE	90度插心接頭	PT1/2"x φ 3/4"	1.00	EA
73.00	NV 00069660304	CLAMP, HOSE (20kg/cm^2)	不銹鋼管夾(20kg/cm^2)	11/4"	1.00	EA
74.00	NV 00069650105	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2(L 1.8 m)	1.00	MT

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
75.00	NV 00077031809	ELBOW,BRASS 90 DEG MALE&FEMALE	90度內外雙螺紋肘管	PT1/4"xPT1/4"	1.00	EA
76.00	NV 00070110111	NOZZLE, COOLANT	冷卻水噴嘴(圓嘴)	PT1/4"x頭尾8Px圓嘴 Φ6	1.00	ST
77.00	NV 00077031506	ELBOW, 90 DEG MALE	90度肘管接頭(擴內孔搭@特殊件)	PT1/2"maleX9/16"-18UNFmale擴孔嘴	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	標準機	2005/1/16	R/NV.0000
B	標準機 NV 00069650	2007/7/25	



MODEL: VMC-480/710	PART NUMBER	REV. B
CTS PIPING PARTS<280 PSI>	NV 000331003L	
中心給水切消水管路<280 PSI>	PAGE 1 OF 1	
DATE 2004/9/16	SCALE 1:15	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000331003L

Description: CTS PIPING PARTS(280 PSI)
中心給水切削水管路(280 PSI)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
4.00	NV 000299023L	COVER	蓋板	L220xH2.3	1.00	EA
5.00	MS 0353818	Wing Screw	翼型螺絲	M8xP1.25xL20	2.00	EA
6.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
7.00	NV 001161409A	FILTER	濾油網	MF-08(PT1"X320L)	1.00	EA
8.00	NV 00077030514	CONNECTOR	90度插心接頭	Elbow PT1"X φ 1 1/4"	1.00	EA
9.00	NV 00069660302	CLAMP, HOSE	不銹鋼管夾	2"	2.00	EA
11.00	NV 000299057L	SEAT, COOLANT PUMP	切削水泵座	L239.7xW210xH65	1.00	EA
12.00	MS 0103818	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL20	2.00	EA
13.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
14.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	2.00	EA
15.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	4.00	EA
16.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
17.00	NVA00033250102	PUMP, COOLANT	直結泵浦(接線盒轉180度)	2HPxTK3020,(230V/380V) 50/60 H	1.00	ST
18.00	NV 00077030514	CONNECTOR	90度插心接頭	Elbow PT1"X φ 1 1/4"	1.00	EA
19.00	NV 00077031531	ELBOW, 90 DEG MALE	90度肘管接頭	PT1"x1 1/16"-12UNF	1.00	EA
20.00	NV 00069650198	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-1 1/16-12UNFx1.5m	1.00	EA
21.00	NV 00077031523	ELBOW, 90 DEG MALE	90度肘管接頭	PT3/4"(male)X9/16"-18UNF(male)	1.00	EA
22.00	NV 00077030405	TEE UNION	內螺紋三通	PT3/4"	1.00	EA
23.00	NV 00077030207	CONNECTOR, STRAIGHT	直接頭	PT3/4"XPT3/4"	1.00	EA
24.00	NV 00100590114	RELIEVE VALVE	洩載閥	PT1/2"x 20kg/cm^2	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
28.00	NV 00069660304	CLAMP, HOSE (20kg/cm^2)	不銹鋼管夾(20kg/cm^2)	1 1/4"	1.00	EA
29.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"Xφ 3/4"	1.00	EA
30.00	NV 00077031216	BUSHING	卜申接頭	PT1-1/4"XPT3/4"	1.00	EA
31.00	NV 00116140114	FILTER BODY & FILTER, CTS	過濾器(本體+濾網)(CTS)	FLS 180/1 (FILTER CR 180/1)	1.00	ST
32.00	NV 00116140115	FILTER ELEMENT	濾網	[FLS] CR180/1	1.00	EA
33.00	MS 0103818	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL20	2.00	EA
34.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
35.00	NV 00077031504	ELBOW, 90 DEG MALE	90度肘管接頭	PT3/8"(male)X9/16"-18UNF(male)	1.00	EA
36.00	NV 00077031217	BUSHING	卜申接頭	PT1-1/4"XPT3/8"	1.00	EA
37.01	NVB000199091A	BRACKET,FILTER	過濾器支撐架	L397.8xW150xH110	1.00	EA
38.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	2.00	EA
39.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
40.00	NV 001066111A	BRACKET, COOLANT VALVE	冷卻水閥固定架(中心給水)	L254XW62XH76.2	1.00	EA
41.00	MS 0104020	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL30	2.00	EA
42.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
43.00	NV 00077030207	CONNECTOR, STRAIGHT	直接頭	PT3/4"XPT3/4"	2.00	EA
45.00	NV 00077030234	CONNECTOR	直接頭	PT3/4"x7/8"-14UNF	1.00	EA
46.00	NV 00069650179	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-1 1/16-12UNFx0.4m	1.00	EA
47.00	NV 00077030234	CONNECTOR	直接頭	PT3/4"x7/8"-14UNF	1.00	EA
48.00	NV 001030257A	TAG, COOLANT THROUGH SPINDLE	中心給水銘牌(英)	L76xW30	1.00	EA
49.00	NV 000199064A	SUPPORT, SILENCER	消音器座	L35XW45XH25	1.00	EA
50.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
51.00	NV 00069650197	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	HOSE 9/16-18UNFx4m	1.00	EA

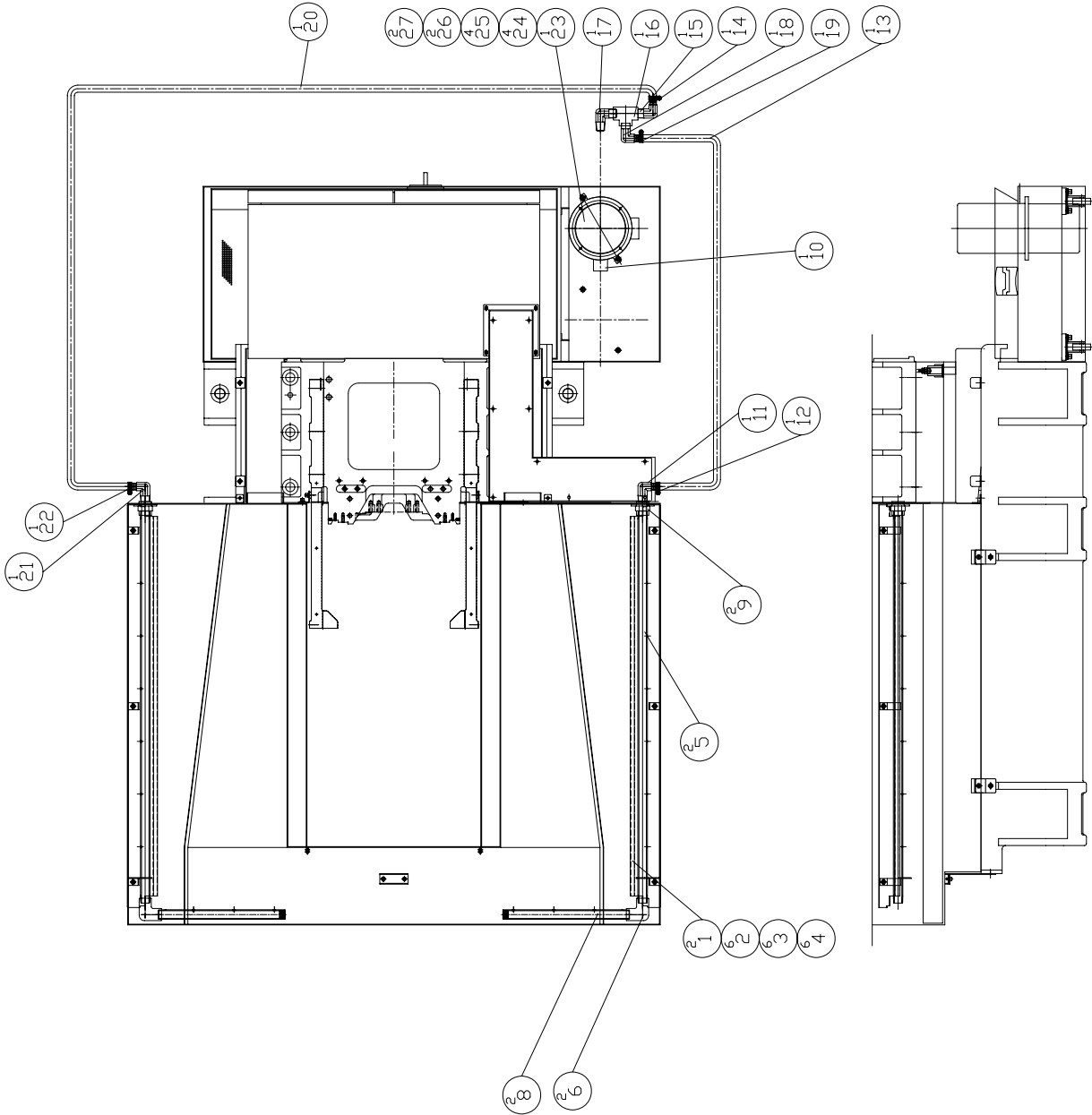
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
53.00	NV 001066112A	MANIFOLD, THRU SPD COOLANT	水氣轉換架	L86XW25XH38	1.00	EA
54.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
55.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
56.00	NV 00069650195	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	HOSE 9/16-18UNFX500L(135 degre	1.00	EA
57.00	NV 00077030208	NIPPLE, STRAIGHT	直接頭	PT3/8x9/16-18UNF	1.00	EA
58.00	NV 00077030206	NIPPLE, STRAIGHT	立布管	PT1/4"XPT1/4"X30L(P012)	1.00	EA
59.00	NV 00077031505	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)XPT3/8"(male)	1.00	EA
60.00	NV 00100590103	CHECK VALVE, COOLANT	切削水逆止閥	PT1/2	1.00	EA
61.00	NV 00077031506	ELBOW, 90 DEG MALE	90度肘管接頭(擴內孔搭@特殊件)	PT1/2"maleX9/16"-18UNFmale擴孔啣	1.00	EA
62.00	NVA000199093A	BRACKET, MANIFOLD CTS	水氣轉換支撐架	L186XW28XH53	1.00	EA
63.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
64.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
65.00	NV 001010911A	MULTIPLY ADAPTER	多向接頭	PT3/4Xpt3/4Xpt3/8x89.7L	1.00	EA
66.00	NV 00100590112	CHECK VALVE, AIR	風壓逆止閥	PT3/8(CV-03)	1.00	EA
67.00	NV 00100590111	CHECK VALVE	逆止閥	[TA SHIN] PT3/4"(PRESSURE 0.3	1.00	EA
68.00	NV 00077030504	CONNECTOR	插心直接頭	PT3/4"Xφ3/4"	1.00	EA
69.00	NV 00069660304	CLAMP, HOSE (20kg/cm^2)	不銹鋼管夾(20kg/cm^2)	1 1/4"	1.00	EA
70.00	NV 00069650196	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-φ3/4"-3.8m	1.00	EA
71.00	NV 00077031218	BUSHING	卜申接頭	PT3/4"Xpt1/2"	1.00	EA
72.00	NV 00077030509	CONNECTOR, 90 DEGREE	90度插心接頭	PT1/2"xφ3/4"	1.00	EA
73.00	NV 00069660304	CLAMP, HOSE (20kg/cm^2)	不銹鋼管夾(20kg/cm^2)	1 1/4"	1.00	EA
74.00	NV 00069650105	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2(L 1.8 m)	1.00	MT
75.00	NV 00077031809	ELBOW,BRASS 90 DEG MALE&FEMALE	90度內外雙螺紋肘管	PT1/4"xPT1/4"	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
76.00	NV 00070110111	NOZZLE, COOLANT	冷卻水噴嘴(圓嘴)	PT1/4"x頭尾8Px圓嘴Φ6	1.00	ST
77.00	NV 00069650117	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	1-1/4"-SAE100R1-1.5m	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	機殼	2007/5/10	579



MODEL: DT-480, VMC-480	PART NUMBER	REV. A
PART NAME	NV 000331002J	SCALE 1:18
FLUSHING PIPING	沖洗パイプ	DATE 2004/9/13
沖洗パイプ	沖洗パイプ	DATE 2004/9/13
PAGE 1 OF 1	REV. A	SCALE 1:18

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000331002J

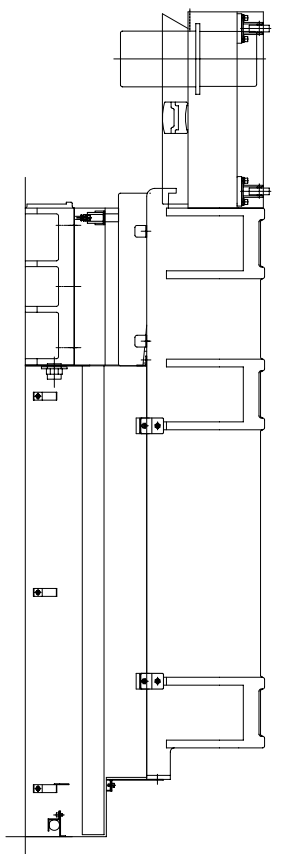
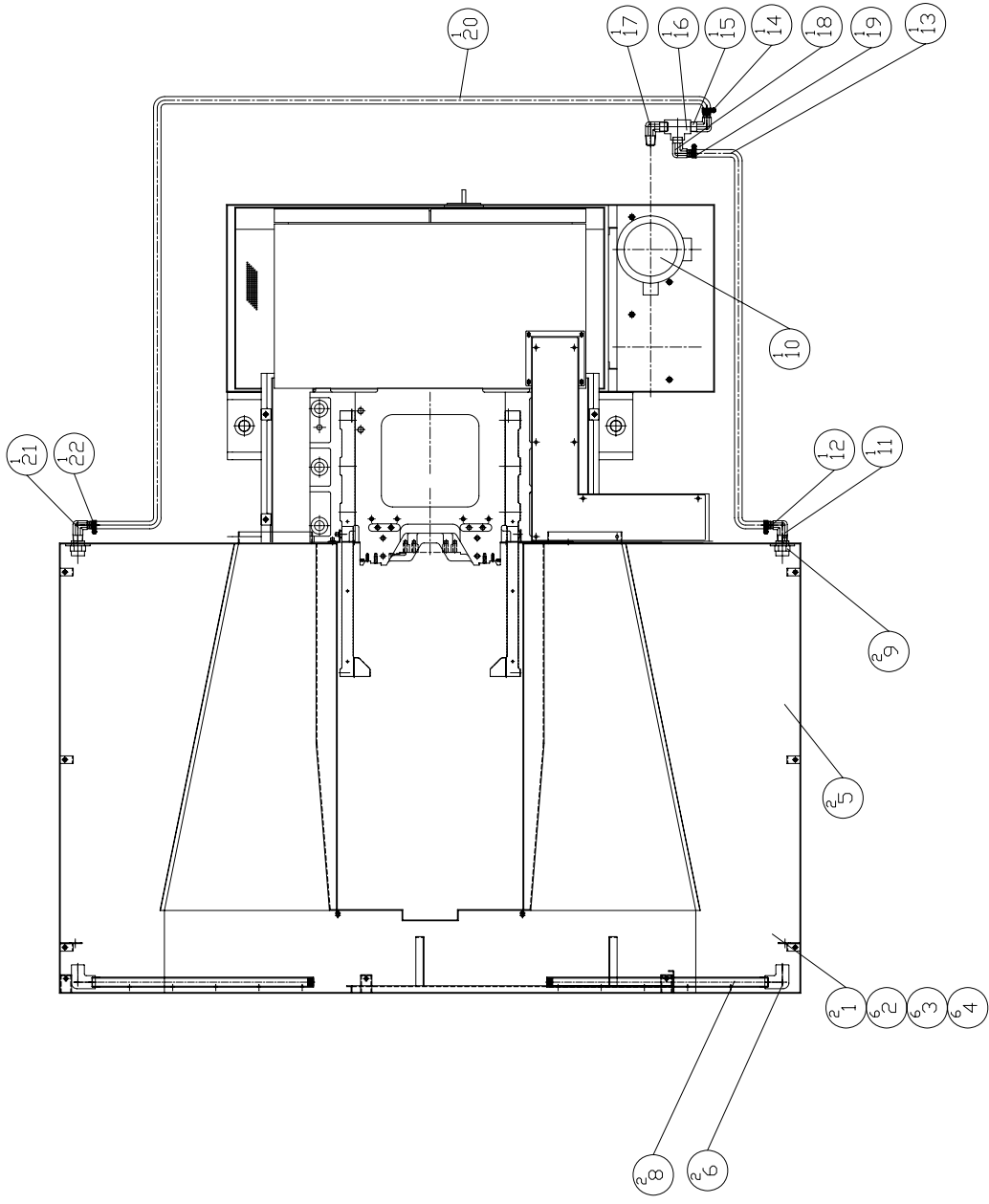
Description: FLUSHING PIPING
冲屑切削水管路

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000199024J	COVER	蓋	L:1146xW:74.6xH:53.4	2.00	EA
2.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	6.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
4.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
5.01	NV 001010901J	Nozzle	接頭	D27.2xL1115	2.00	EA
6.00	NV 00077030305	ELBOW, BRASS 90 DEG FEMALE	90度內雙螺紋肘管	PT3/4xPT3/4	2.00	EA
8.00	NV 001010919J	Nozzle	接頭,切削水	D27.2xL360	2.00	EA
9.00	NV 001066105J	SEAT,FITTING	接頭座	D65xL39	2.00	EA
10.00	BL 00033250101	PUMP, COOLANT	切削水泵浦	[GRUNDFOS] MTH4-20	1.00	ST
11.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X φ 3/4"	1.00	EA
12.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
13.00	NV 00069650145	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2x1.2M	1.00	EA
14.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
15.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X φ 3/4"	1.00	EA
16.00	NV 00077030405	TEE UNION	內螺紋三通	PT3/4"	1.00	EA
17.00	NV 00077031502	ELBOW, 90 DEG MALE	90度外雙螺紋肘管	PT3/4"Xpt3/4"	1.00	EA
18.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X φ 3/4"	1.00	EA
19.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
20.00	NV 00069650105	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2(L 1.8 m)	1.00	MT
21.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X φ 3/4"	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
22.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
23.00	BL 000299024A	COVER	蓋板	L220xd145xH5	1.00	EA
24.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
25.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
26.00	MS 0353818	Wing Screw	翼型螺絲	M8xP1.25xL20	2.00	EA
27.00	MN 0113810	HEXAGON NUT	六角螺帽	M8xP1.25	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	FORM	2005/12/01	RVN.0000



MODEL: DT-710,VMC-710	PART NUMBER	REV. A
FLUSHING PIPING	NV 000331002K	PAGE 1 OF 1
flushing 冲洗水管		SCALE 1:18
DATE 2005/5/22		

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000331002K

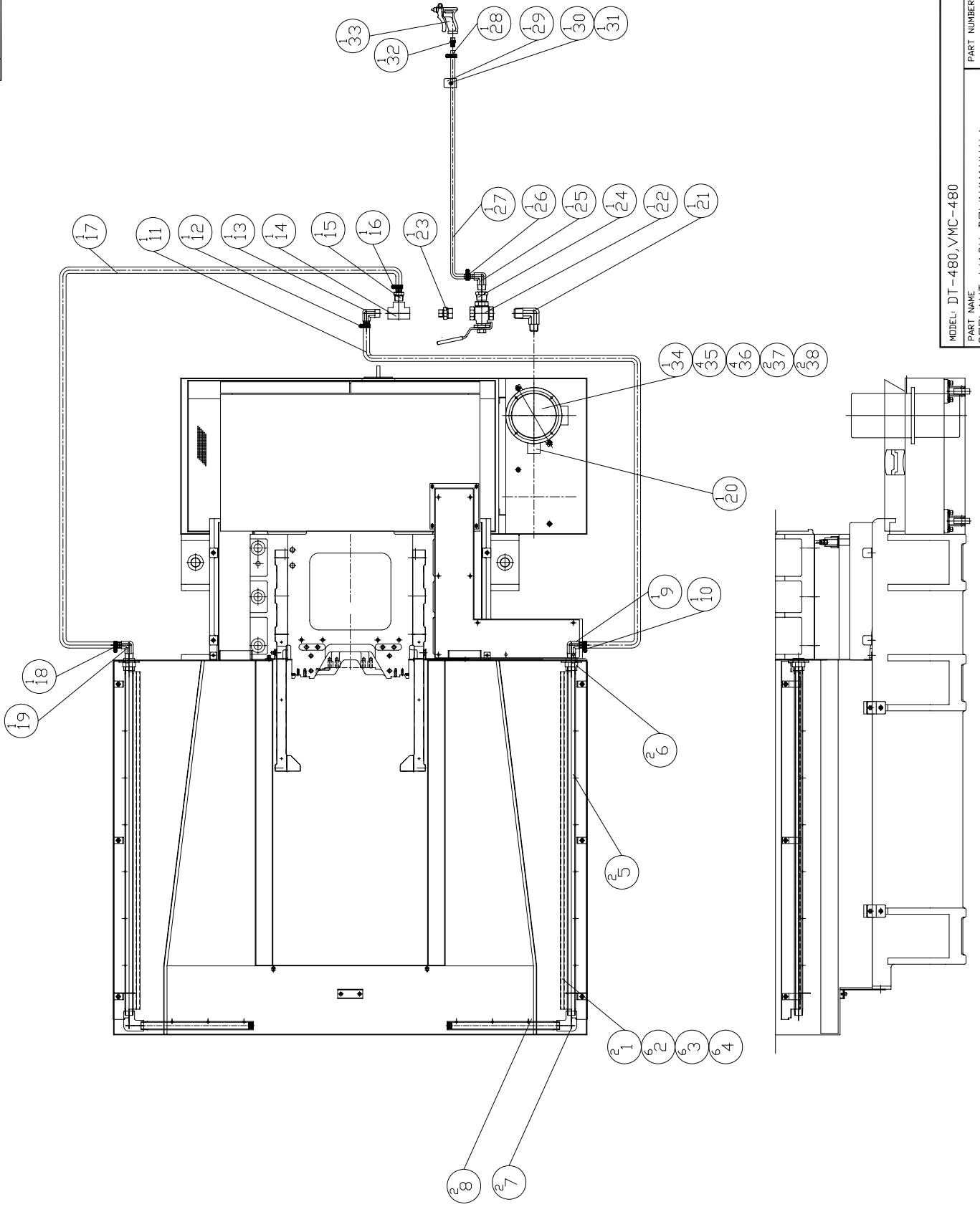
Description: FLUSHING PIPING
冲屑切削水管路

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000199024J	COVER	蓋	L:1146xW:74.6xH:53.4	2.00	EA
2.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	6.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
4.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
5.01	NV 001010901J	Nozzle	接頭	D27.2xL1115	2.00	EA
6.00	NV 00077030305	ELBOW, BRASS 90 DEG FEMALE	90度內雙螺紋肘管	PT3/4xPT3/4	2.00	EA
8.00	NV 001010919K	Nozzle	接頭,切削水	D27.2xL590	2.00	EA
9.00	NV 001066105J	SEAT, FITTING	接頭座	D65xL39	2.00	EA
10.00	BL 00033250101	PUMP, COOLANT	切削水泵浦	[GRUNDFOS] MTH4-20	1.00	ST
11.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X φ 3/4"	1.00	EA
12.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
13.00	NV 00069650145	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2x1.2M	1.00	EA
14.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
15.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X φ 3/4"	1.00	EA
16.00	NV 00077030405	TEE UNION	內螺紋三通	PT3/4"	1.00	EA
17.00	NV 00077031502	ELBOW, 90 DEG MALE	90度外雙螺紋肘管	PT3/4"Xpt3/4"	1.00	EA
18.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X φ 3/4"	1.00	EA
19.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
20.00	NV 00069650105	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2(L 1.8 m)	1.00	MT
21.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X φ 3/4"	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
22.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	機殼	2007/5/17	579



MODEL: DT-480, VMC-480	PART NUMBER	REV.
PART NAME	NV 000331005J	A
COOLANT WASH DOWN(MANUAL)	PAGE 1 OF 1	
切削水加薬機噴射器<手動>	SCALE 1:18	
DATE 2005/4/1	DATE	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000331005J

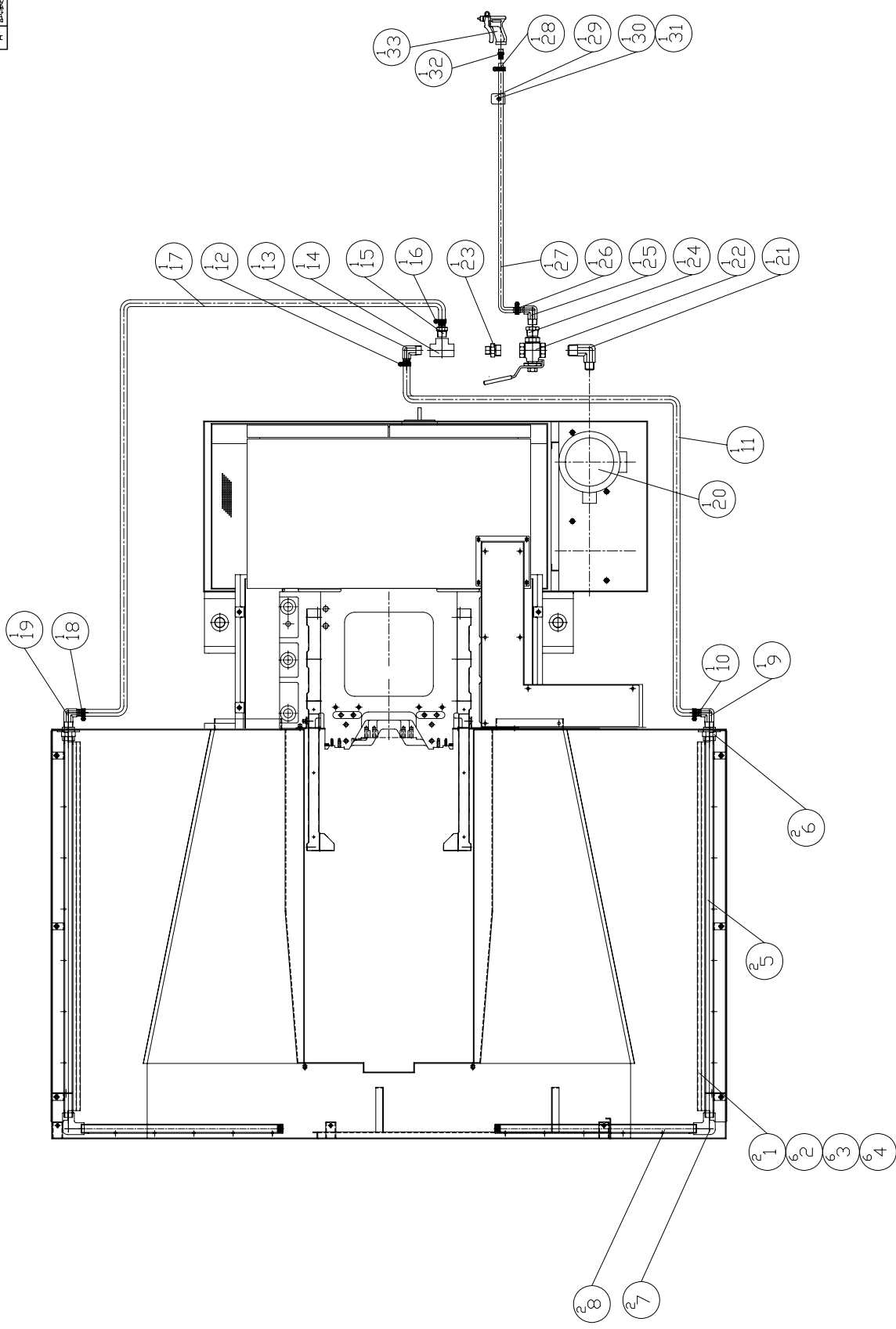
Description: COOLANT WASH DOWN(MANUAL)
 切削水加裝噴槍沖層(手動)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000199024J	COVER	蓋	L:1146xW:74.6xH:53.4	2.00	EA
2.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	6.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
4.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
5.01	NV 001010901J	Nozzle	接頭	D27.2xL1115	2.00	EA
6.00	NV 001066105J	SEAT,FITTING	接頭座	D65xL39	2.00	EA
7.00	NV 00077030305	ELBOW, BRASS 90 DEG FEMALE	90度內雙螺紋肘管	PT3/4xPT3/4	2.00	EA
8.00	NV 001010919J	Nozzle	接頭,切削水	D27.2xL360	2.00	EA
9.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X φ 3/4"	1.00	EA
10.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
11.00	NV 00069650145	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2x1.2M	1.00	EA
12.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
13.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X φ 3/4"	1.00	EA
14.00	NV 00077030405	TEE UNION	內螺紋三通	PT3/4"	1.00	EA
15.00	NV 00077030504	CONNECTOR	插心直接頭	PT3/4"X φ 3/4"	1.00	EA
16.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
17.00	NV 00069650105	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2(L 1.8 m)	1.00	MT
18.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
19.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X φ 3/4"	1.00	EA
20.00	BL 00033250101	PUMP, COOLANT	切削水泵浦	[GRUNDFOS] MTH4-20	1.00	ST

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00077031522	ELBOW, 90 DEG MALE	90度外雙螺紋肘管	PT3/4"XPT1"	1.00	EA
22.00	NV 00100590202	TEE BALL VALVE	T型球式閥	PT1"	1.00	EA
23.00	NV 00077030228	NIPPLE, STRAIGHT	直接頭	PT3/4"Xpt1"	1.00	EA
24.00	NV 00077031213	BUSHING	卜申接頭	PT1"Xpt3/4"	1.00	EA
25.00	NV 00077030520	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"XΦ 1/2"	1.00	EA
26.00	NV 00069660303	CLAMP, HOSE	不銹鋼管夾	7/8"	1.00	EA
27.00	NV 00069650148	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	1/2"-1Bx8kg/cm2x3.5M	1.00	EA
28.00	NV 00069660303	CLAMP, HOSE	不銹鋼管夾	7/8"	1.00	EA
29.00	NV 000399006A	BRACKET, OIL PIPE	油管固定座	L100xW40xH30	1.00	EA
30.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	1.00	EA
31.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	1.00	EA
32.00	NV 00077030511	CONNECTOR	插心直接頭	PT1/4"Xφ 1/2"	1.00	EA
33.00	NV 01070350103	COOLANT GUN	切削水噴槍	PT1/4"	1.00	EA
34.00	BL 000299024A	COVER	蓋板	L220xd145xH5	1.00	EA
35.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
36.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
37.00	MS 0353818	Wing Screw	翼型螺絲	M8xP1.25xL20	2.00	EA
38.00	MN 0113810	HEXAGON NUT	六角螺帽	M8xP1.25	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	FORM	2005/4/6	R/NV.0000



MODEL: DT-710,VMC-710	PART NUMBER	REV.
PART NAME	NV 000331005K	A
COOLANT WASH DOWN(MANUAL)	PAGE 1	DF 1
切削水加裝噴槍沖床<手動>	SCALE 1:18	
DATE 2005/4/22	REV.	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000331005K

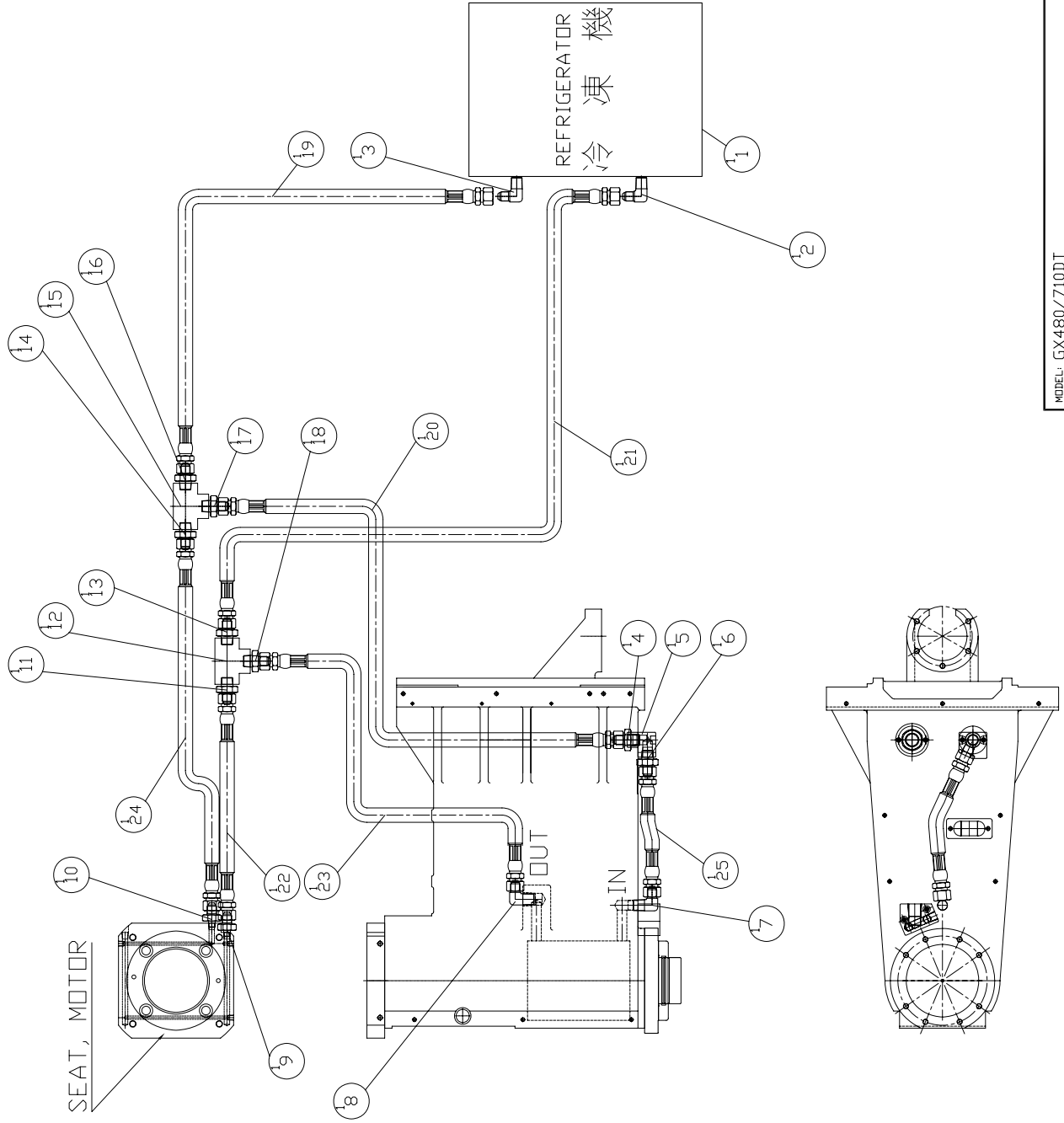
Description: COOLANT WASH DOWN(MANUAL)
 切削水加裝噴槍沖屑(手動)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000199024J	COVER	蓋	L:1146xW:74.6xH:53.4	2.00	EA
2.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	6.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
4.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
5.01	NV 001010901J	Nozzle	接頭	D27.2xL1115	2.00	EA
6.00	NV 001066105J	SEAT,FITTING	接頭座	D65xL39	2.00	EA
7.00	NV 00077030305	ELBOW, BRASS 90 DEG FEMALE	90度內雙螺紋肘管	PT3/4xPT3/4	2.00	EA
8.00	NV 001010919K	Nozzle	接頭,切削水	D27.2xL590	2.00	EA
9.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X φ 3/4"	1.00	EA
10.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
11.00	NV 00069650145	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2x1.2M	1.00	EA
12.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
13.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X φ 3/4"	1.00	EA
14.00	NV 00077030405	TEE UNION	內螺紋三通	PT3/4"	1.00	EA
15.00	NV 00077030504	CONNECTOR	插心直接頭	PT3/4"X φ 3/4"	1.00	EA
16.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
17.00	NV 00069650105	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2(L 1.8 m)	1.00	MT
18.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
19.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X φ 3/4"	1.00	EA
20.00	BL 00033250101	PUMP, COOLANT	切削水泵浦	[GRUNDFOS] MTH4-20	1.00	ST

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00077031522	ELBOW, 90 DEG MALE	90度外雙螺紋肘管	PT3/4"XPT1"	1.00	EA
22.00	NV 00100590202	TEE BALL VALVE	T型球式閥	PT1"	1.00	EA
23.00	NV 00077030228	NIPPLE, STRAIGHT	直接頭	PT3/4"Xpt1"	1.00	EA
24.00	NV 00077031213	BUSHING	卜申接頭	PT1"Xpt3/4"	1.00	EA
25.00	NV 00077030520	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"Xφ 1/2"	1.00	EA
26.00	NV 00069660303	CLAMP, HOSE	不銹鋼管夾	7/8"	1.00	EA
27.00	NV 00069650148	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	1/2"-1Bx8kg/cm2x3.5M	1.00	EA
28.00	NV 00069660303	CLAMP, HOSE	不銹鋼管夾	7/8"	1.00	EA
29.00	NV 000399006A	BRACKET, OIL PIPE	油管固定座	L100xW40xH30	1.00	EA
30.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	1.00	EA
31.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	1.00	EA
32.00	NV 00077030511	CONNECTOR	插心直接頭	PT1/4"Xφ 1/2"	1.00	EA
33.00	NV 01070350103	COOLANT GUN	切削水噴槍	PT1/4"	1.00	EA

REV	DESCRIPTION	DATE	ENCL
A	機殼	2007/5/1	533
B	機殼 NV 00342005-NV000342005	2007/07/26	89C



MODEL: GX480/710DT	
PART NAME	PART NUMBER
COOLANT SPINDLE	NV 000331044J
主軸油冷裝置	PAGE 1 OF 1
DATE: 2007/5/1	REV: B
JACK TION	SCALE: 1:10

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000331044J

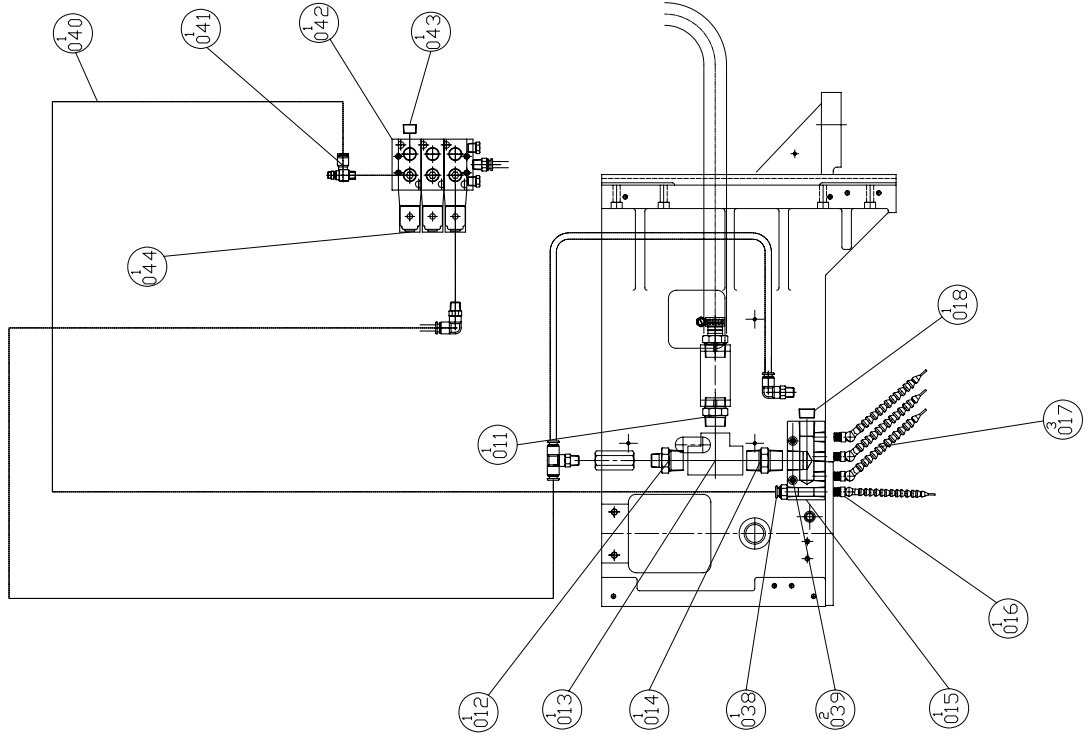
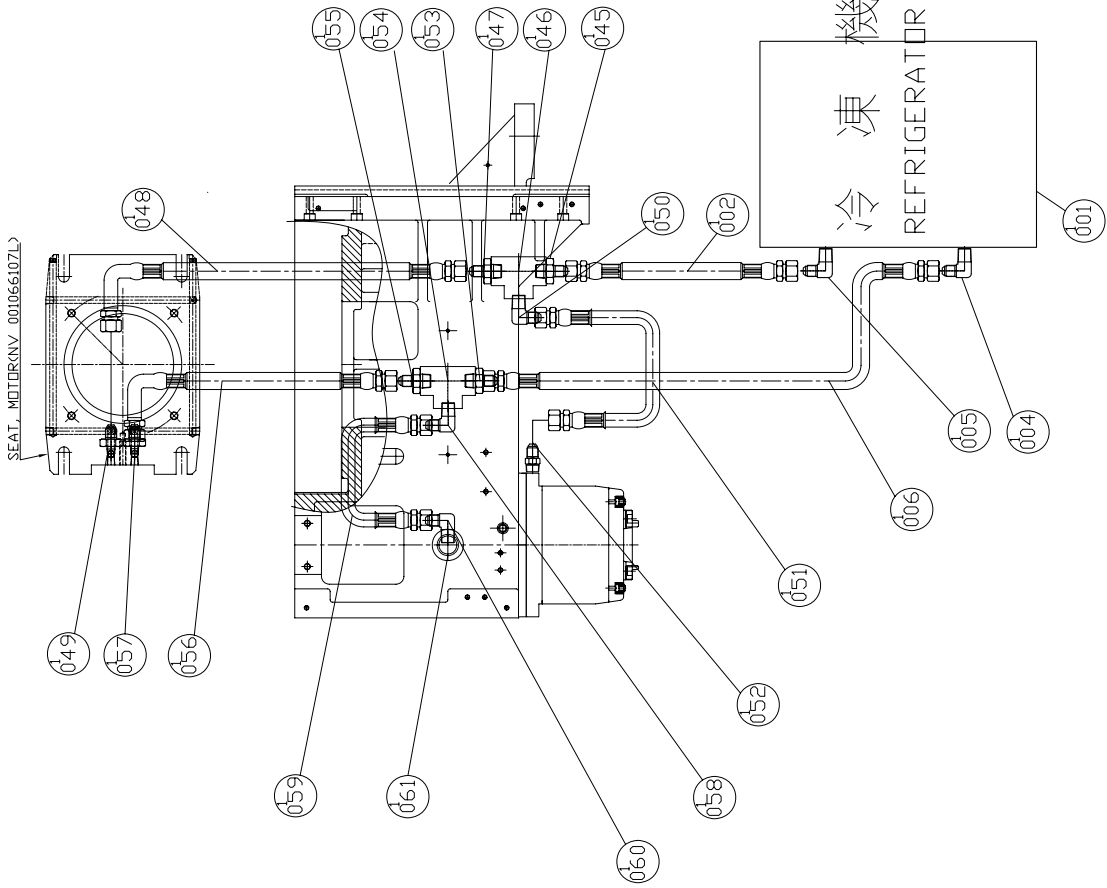
Description: COOLANT SET, SPINDLE
主軸油冷裝置

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NVA00034120105	CHILLER	冷凍機	HBO-250PTSBM3-R407C	1.00	ST
2.00	NV 00077031528	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)X3/4"-16UNF(male)	1.00	EA
3.00	NV 00077031528	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)X3/4"-16UNF(male)	1.00	EA
4.00	NV 00077030218	NIPPLE, STRAIGHT	直接頭	PT3/8"x1/4"H	1.00	EA
5.01	NVA001066109J	SEAT, FITTING	接頭座	L42xW39.5xH43.5	1.00	EA
6.00	NV 00077030218	NIPPLE, STRAIGHT	直接頭	PT3/8"x1/4"H	1.00	EA
7.00	NV 00077031512	ELBOW, 90 DEG MALE	90度雙外牙肘管接頭	PT3/8"X7/16-20UNF	1.00	EA
8.00	NV 00077031529	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)XW7/16"-20UNF(male)	1.00	EA
9.00	NV 00077030233	NIPPLE, STRAIGHT	直接頭	PT1/8X7/16-20UNF	1.00	EA
10.00	NV 00077030233	NIPPLE, STRAIGHT	直接頭	PT1/8X7/16-20UNF	1.00	EA
11.00	NV 00077030231	NIPPLE, STRAIGHT	直接頭	PT1/2X7/16-20UNF	1.00	EA
12.00	NV 00077030406	TEE UNION	內螺紋三通	PT1/2"	1.00	EA
13.00	NV 00077030232	NIPPLE, STRAIGHT	直接頭	PT1/2X3/4-16UNF	1.00	EA
14.00	NV 00077030231	NIPPLE, STRAIGHT	直接頭	PT1/2X7/16-20UNF	1.00	EA
15.00	NV 00077030406	TEE UNION	內螺紋三通	PT1/2"	1.00	EA
16.00	NV 00077030232	NIPPLE, STRAIGHT	直接頭	PT1/2X3/4-16UNF	1.00	EA
17.00	NV 00077030231	NIPPLE, STRAIGHT	直接頭	PT1/2X7/16-20UNF	1.00	EA
18.00	NV 00077030231	NIPPLE, STRAIGHT	直接頭	PT1/2X7/16-20UNF	1.00	EA
19.00	NV 00069650166	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-φ1/2"Xw3/4"-16UNFx4M	1.00	EA
20.00	NV 00069650176	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管(外覆鋼絲)	R1-φ1/4"Xw7/16"-20UNFx0.7M	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00069650166	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-φ 1/2"Xw3/4"-16UNFx4M	1.00	EA
22.00	NV 00069650243	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管(一直一90度)	R1-φ 1/4"Xw7/16"-20UNFx0.35M	1.00	EA
23.00	NV 00069650243	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管(一直一90度)	R1-φ 1/4"Xw7/16"-20UNFx0.35M	1.00	EA
24.00	NV 00069650243	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管(一直一90度)	R1-φ 1/4"Xw7/16"-20UNFx0.35M	1.00	EA
25.00	NV 00069650241	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管(外覆鋼絲)	R1-1/4"xW7/16"-20UNFx0.23m	1.00	EA
26.00	NV 000799027J	COVER	防屑蓋板(冷凍機用)	L302xW222xH43.5	1.00	ST

REV	DESCRIPTION	DATE	ECN
A	機殼	2007/5/20	154
B	機殼 NV 0034(2005-NV)003(2005) 2007/07/28	2007/07/28	154



MODEL: VMC480/710	PART NUMBER	REV. B
PART NAME	NV 000331015J	PAGE 1 OF 1
COOLANT SPINDLE	三串由冷由令装置	SCALE 1:10
DATE 2006/5/20	JACK PSHL	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000331015J

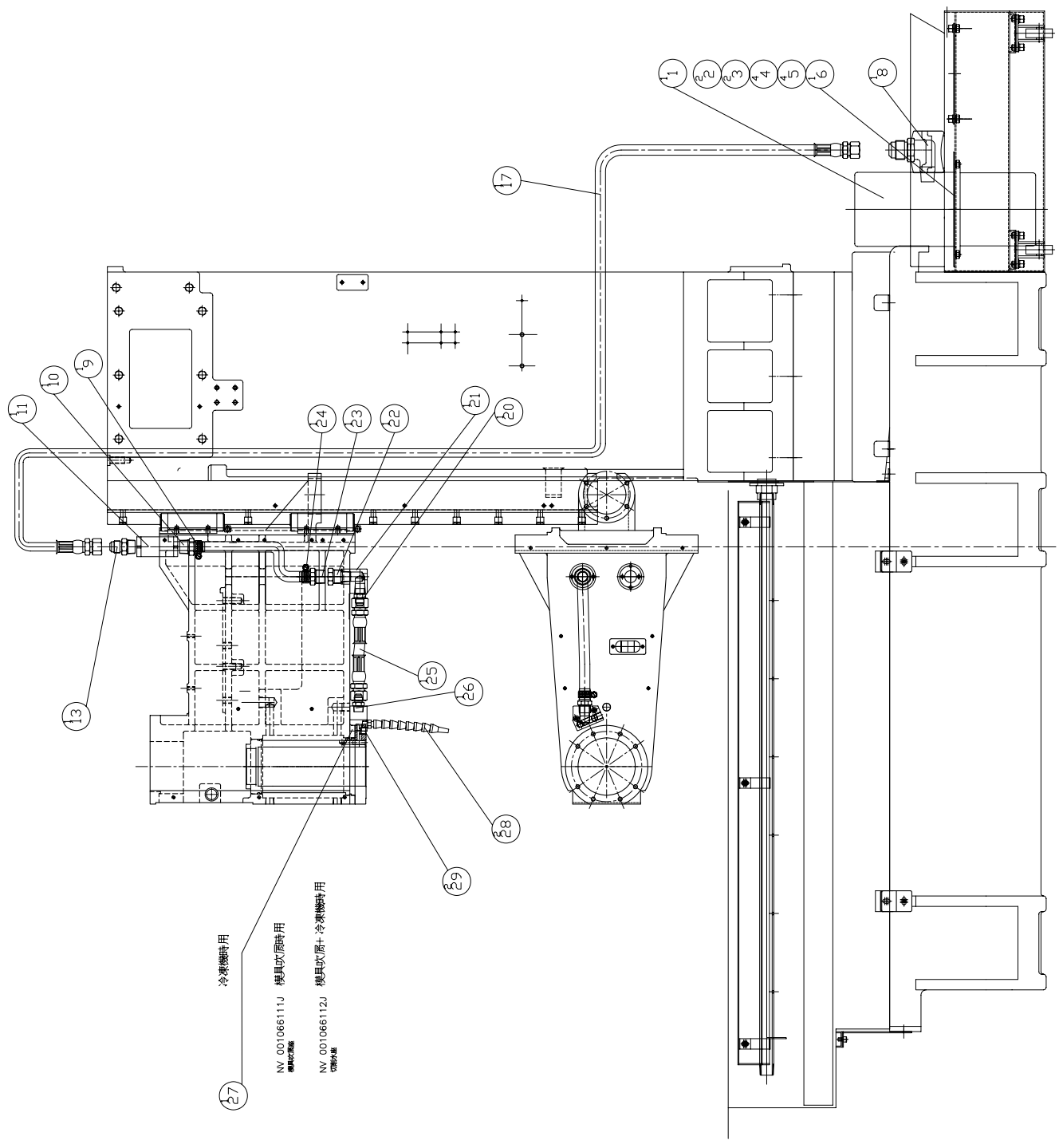
Description: COOLANT SET, SPINDLE
主軸油冷裝置

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NVA00034120105	CHILLER	冷凍機	HBO-250PTSBM3-R407C	1.00	ST
2.00	NV 00069650170	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-φ 1/2"Xw3/4"-16UNFx6M	1.00	EA
4.00	NV 00077031528	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)X3/4"-16UNF(male)	1.00	EA
5.00	NV 00077031528	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)X3/4"-16UNF(male)	1.00	EA
6.00	NV 00069650170	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-φ 1/2"Xw3/4"-16UNFx6M	1.00	EA
11.00	NV 00077030207	CONNECTOR, STRAIGHT	直接頭	PT3/4"XPT3/4"	1.00	EA
12.00	NV 00077030224	CONNECTOR, STRAIGHT	直接頭	PT3/4"XPT3/8"	1.00	EA
13.00	NV 00077030405	TEE UNION	內螺紋三通	PT3/4"	1.00	EA
14.00	NV 00077030207	CONNECTOR, STRAIGHT	直接頭	PT3/4"XPT3/4"	1.00	EA
15.00	NV 001023420A	MANIFOLD, LUBRICATION	分油塊	L100xW48xH35	1.00	EA
16.00	NV 00070110104	NOZZLE, COOLANT	冷卻水噴嘴	PT1/4"xφ 1.5x17P	1.00	ST
17.00	NV 00070110106	NOZZLE, COOLANT	冷卻水噴嘴	PT3/8"x13Pxφ9.5	3.00	ST
18.00	NV 00077031704	PLUG, SOCKET HEX.	塞頭	PT1/2	1.00	EA
38.00	NV 00077030806	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4Xφ 8(JPC8-02)	1.00	EA
39.00	MS 0103622	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL40	2.00	EA
40.00	NV 00070070201	TUBING,PNEUMATIC	風壓用管	PU φ 8xφ 5(MINDMAN)2.5 M	1.00	EA
41.00	NV 00077031303	PRESTO ADAPTER, ELBOW(ADJUSTAB	90度彎肘快速接頭(附調速)	PT1/4xφ 8(JSC8-02A)	1.00	EA
42.00	NV 001023409A	MANIFOLD, PNEUMATIC	歧塊,三聯電磁閥用 M3	M3	1.00	EA
43.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	1.00	EA
44.00	NV 00030480101	VALVE, 1/4 2 WAY PNEUMATIC	五口二位單線圈	1/4 SOLENOID VALVE 24V	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
45.00	NV 00077030232	NIPPLE, STRAIGHT	直接頭	PT1/2X3/4-16UNF	1.00	EA
46.00	NV 00077030406	TEE UNION	內螺紋三通	PT1/2"	1.00	EA
47.00	NV 00077030231	NIPPLE, STRAIGHT	直接頭	PT1/2X7/16-20UNF	1.00	EA
48.00	NV 00069650222	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管(一直-90度)	R1-φ1/4"Xw7/16"-20UNFx0.4M	1.00	EA
49.00	NV 00077030233	NIPPLE, STRAIGHT	直接頭	PT1/8X7/16-20UNF	1.00	EA
50.00	NV 00077031529	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)xW7/16"-20UNF(male)	1.00	EA
51.00	NV 00069650176	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管(外覆鋼絲)	R1-φ1/4"Xw7/16"-20UNFx0.7M	1.00	EA
52.00	NV 00077030241	NIPPLE, STRAIGHT	直接頭(銅)	PT1/4"X7/16"-20UNF (COPPER)	1.00	EA
53.00	NV 00077030232	NIPPLE, STRAIGHT	直接頭	PT1/2X3/4-16UNF	1.00	EA
54.00	NV 00077030406	TEE UNION	內螺紋三通	PT1/2"	1.00	EA
55.00	NV 00077030231	NIPPLE, STRAIGHT	直接頭	PT1/2X7/16-20UNF	1.00	EA
56.00	NV 00069650221	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管(一直-90度)	R1-φ1/4"Xw7/16"-20UNFx0.5M	1.00	EA
57.00	NV 00077030233	NIPPLE, STRAIGHT	直接頭	PT1/8X7/16-20UNF	1.00	EA
58.00	NV 00077031529	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)xW7/16"-20UNF(male)	1.00	EA
59.00	NV 00069650223	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-φ1/4"Xw7/16"-20UNFx0.32M	1.00	EA
60.00	NV 00077031529	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)xW7/16"-20UNF(male)	1.00	EA
61.00	NV 00077031218	BUSHING	卜申接頭	PT3/4"Xpt1/2"	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	標準版	2007/5/1	533
B	配管圖VJ 001066111J NV 001066112J JACKY 2007/8/27	2007/8/27	694
C	切削水管路全面改用高壓軟管	2007/9/21	796



MODEL: DT-300/480/710	PART NUMBER NV 000331006J
PART NAME PIPING PARTS(w/o AIR COOLANT) 切削水管路(主軸油冷)	PAGE 1 OF 1
DATE 2007/5/1	REV. C
JACKY 2007	SCALE 1:12

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000331006J

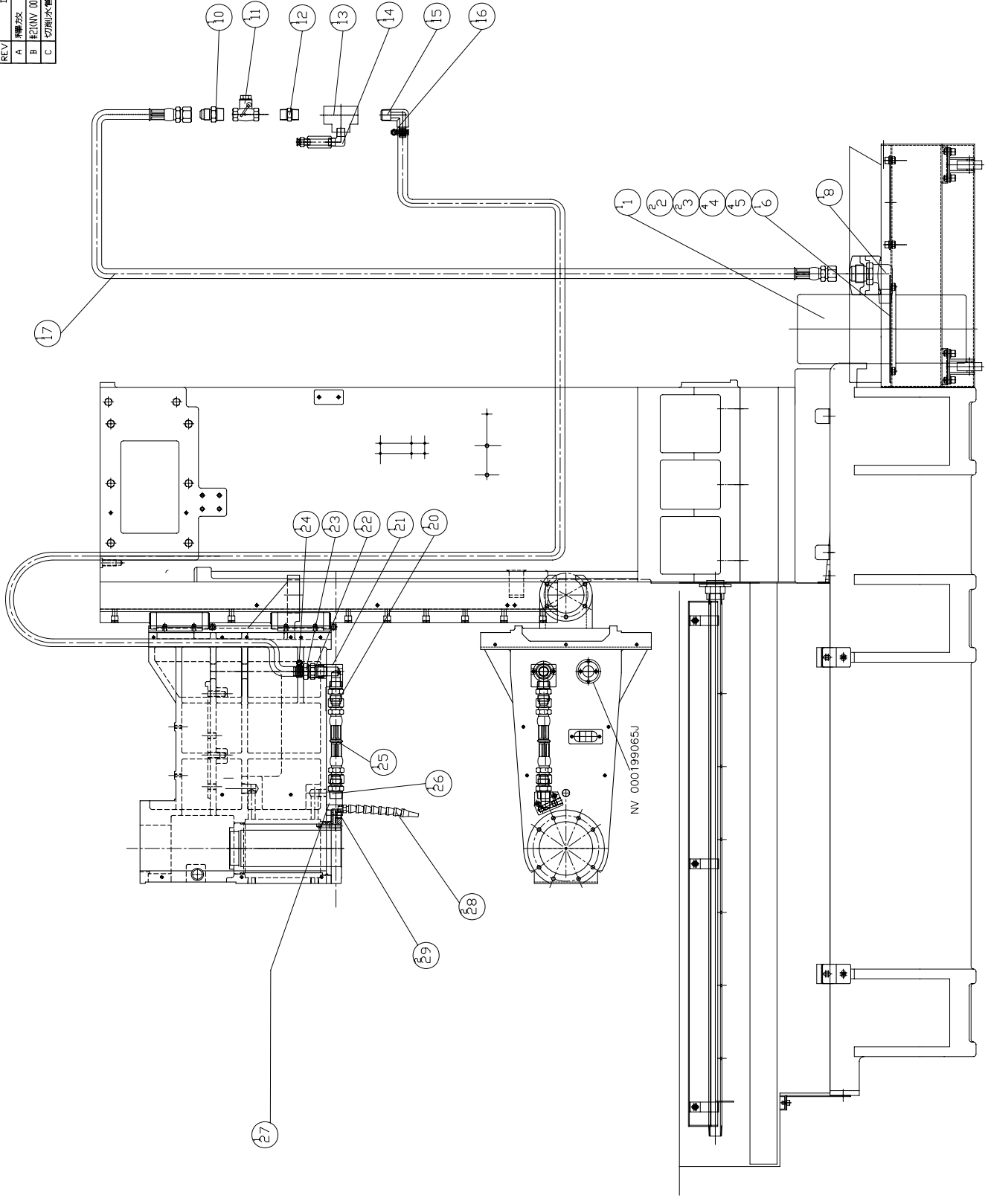
Description: PIPING PARTS(AIR COOLANT)
切削水管路(主軸油冷)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	BL 00033250101	PUMP, COOLANT	切削水泵浦	[GRUNDFOS] MTH4-20	1.00	ST
2.00	MN 0113810	HEXAGON NUT	六角螺帽	M8xP1.25	2.00	EA
3.00	MS 0353818	Wing Screw	翼型螺絲	M8xP1.25xL20	2.00	EA
4.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
5.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
6.00	BL 000299024A	COVER	蓋板	L220xd145xH5	1.00	EA
7.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
8.01	NV 00077031533	ELBOW, 90 DEG MALE	90度肘管接頭	PT3/4"(male)x7/8"-14UNF(male)	1.00	EA
9.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
10.00	NV 00077030504	CONNECTOR	插心直接頭	PT3/4"xΦ3/4"	1.00	EA
11.00	NV 00100590111	CHECK VALVE	逆止閥	[TA SHIN] PT3/4"(PRESSURE 0.3	1.00	EA
12.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
13.01	NV 00077030234	CONNECTOR	直接頭	PT3/4"x7/8"-14UNF	1.00	EA
17.01	NV 00069650247	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	Φ5/8"xw7/8"-14UNF x4.3m	1.00	EA
19.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
20.01	NV 00077030247	CONNECTOR	直接頭	PT1/2"x7/8"-14UNF	1.00	EA
21.10	NVA001066110J	SEAT, FITTING	接頭座	L51xW46.5xH51	1.00	EA
22.00	NV 00077031226	BUSHING, BRASS	卜申接頭	PT1/2"(male)xPT1/2"(female)	1.00	EA
23.00	NV 00077030503	CONNECTOR	插心直接頭	PT1/2"xΦ3/4"	1.00	EA
24.00	NV 00069660304	CLAMP, HOSE (20kg/cm ²)	不銹鋼管夾(20kg/cm ²)	1 1/4"	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
25.01	NV 00069650245	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	Φ5/8"xw7/8"-14UNFx0.2m	1.00	EA
26.01	NV 00077030247	CONNECTOR	直接頭	PT1/2"x7/8"-14UNF	1.00	EA
27.01	NV 001066108J	BLOCK, COOLANT WATER	切削水座	L55xW47.1xH33	1.00	EA
28.00	NV 00070110111	NOZZLE, COOLANT	冷卻水噴嘴(圓嘴)	PT1/4"x頭尾8Px圓嘴Φ6	1.00	ST
29.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	標準版	2007/5/1	533
B	配管(0006610)→NVA00199065J	2007/8/13	734
C	切削水管路全面改再用高壓軟管	2007/9/21	796



MODEL: DT-300/480/710	PART NUMBER
PART NAME	NV 000331009J
切削水管路(主軸吹氣加主軸油冷)	PAGE 1 OF 1
DATE 2007/5/1	REV. C
JACKY CHEN	SCALE 1:12

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000331009J

Description: PIPING PARTS(CHILLER FORSPNDLE
切削水管路(主軸側吹氣加主軸油冷)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	BL 00033250101	PUMP, COOLANT	切削水泵浦	[GRUNDFOS] MTH4-20	1.00	ST
2.00	MN 0113810	HEXAGON NUT	六角螺帽	M8xP1.25	2.00	EA
3.00	MS 0353818	Wing Screw	翼型螺絲	M8xP1.25xL20	2.00	EA
4.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
5.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
6.00	BL 000299024A	COVER	蓋板	L220xd145xH5	1.00	EA
7.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
8.01	NV 00077031533	ELBOW, 90 DEG MALE	90度肘管接頭	PT3/4"(male)X7/8"-14UNF(male)	1.00	EA
9.00	NV 00069660304	CLAMP, HOSE (20kg/cm ²)	不銹鋼管夾(20kg/cm ²)	1 1/4"	1.00	EA
10.01	NV 00077030247	CONNECTOR	直接頭	PT1/2"x7/8"-14UNF	1.00	EA
11.00	NV 00100590103	CHECK VALVE, COOLANT	切削水逆止閥	PT1/2	1.00	EA
12.00	NV 00077030227	NIPPLE, STRAIGHT	直接頭	PT1/2"Xpt1/2"	1.00	EA
13.00	NV 00077030406	TEE UNION	內螺紋三通	PT1/2"	1.00	EA
14.00	NV 00077031505	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)XPT3/8"(male)	1.00	EA
15.00	NV 00077030509	CONNECTOR, 90 DEGREE	90度插心接頭	PT1/2"x φ 3/4"	1.00	EA
16.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
17.01	NV 00069650247	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	φ5/8"xw7/8"-14UNFx4.3m	1.00	EA
19.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
20.01	NV 00077030247	CONNECTOR	直接頭	PT1/2"x7/8"-14UNF	1.00	EA
21.01	NVA001066110J	SEAT,FITTING	接頭座	L51xW46.5xH51	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

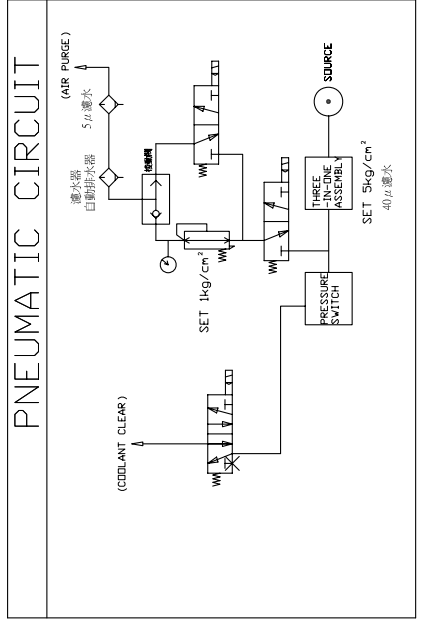
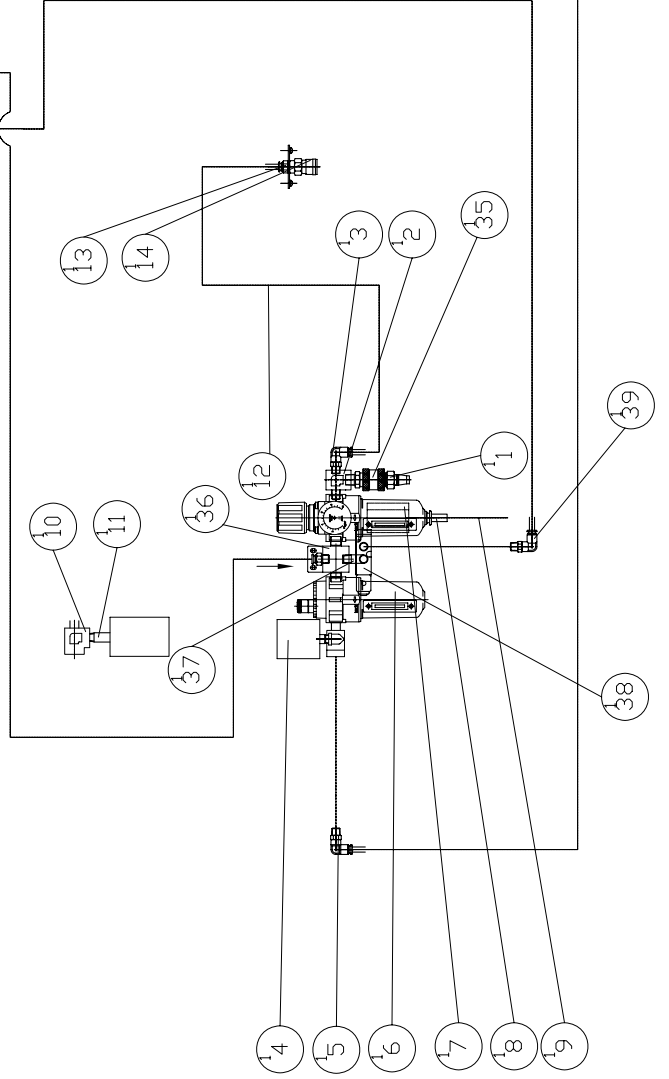
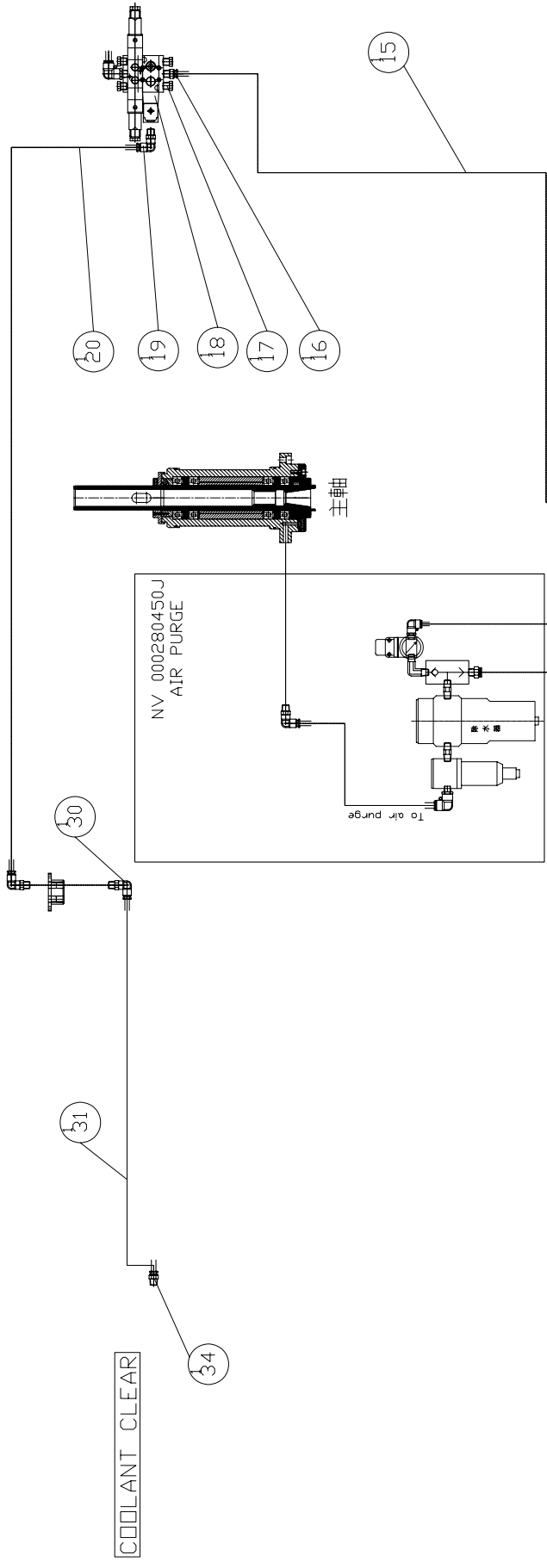
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
22.00	NV 00077031226	BUSHING, BRASS	卜申接頭	PT1/2"(male)xPT1/2"(female)	1.00	EA
23.00	NV 00077030503	CONNECTOR	插心直接頭	PT1/2"x ϕ 3/4"	1.00	EA
24.00	NV 00069660304	CLAMP, HOSE (20kg/cm ²)	不銹鋼管夾(20kg/cm ²)	1 1/4"	1.00	EA
25.01	NV 00069650245	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	ϕ 5/8"xw7/8"-14UNFx0.2m	1.00	EA
26.01	NV 00077030247	CONNECTOR	直接頭	PT1/2"x7/8"-14UNF	1.00	EA
27.02	NV 001066108J	BLOCK, COOLANT WATER	切削水座	L55xW47.1xH33	1.00	EA
28.00	NV 00070110111	NOZZLE, COOLANT	冷卻水噴嘴(圓嘴)	PT1/4"x頭尾8Px圓嘴 ϕ 6	2.00	ST
29.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	2.00	EA

Chapter 4

氣壓零組件

Pneumatic Parts

REV	DESCRIPTION	DATE	ECN
A	新機種	2007/6/23	
B	機種 NV 000790304 NV 000105020 新機種	2007/6/28	668
C	AIR PURGE 新增排液器	2007/10/15	858



MODEL: VMC480/710#30(排液器)	
PART NAME	PART NUMBER
PNEUMATIC PARTS	NV 000280430J
氣壓零組件 (固定件-無中心給水)	
DATE 2007/6/20	JACK FUHL
SCALE 1:12	REV. C
	PAGE 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000280430J

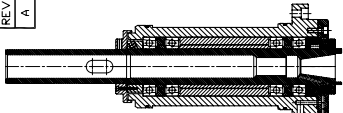
Description: PNEUMATIC PARTS(common-w/oCTS)
氣壓零組件(固定件-無中心給水)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00077031401	PRESTO ADAPTER, STRAIGHT MALE(	外牙直快速接頭(公)	PT3/8"(PM30)	1.00	EA
2.00	NV 00077031603	TEE ADAPTER, FEMALE&MALE	內外牙三通	PT3/8mxPT3/8fxPT3/8f(P104)	1.00	EA
3.00	NV 00077030701	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ8(JPL8-03)	1.00	EA
4.00	NV 00117360101	PRESSURE SWITCH(KP35)	壓力開關	0.2~7kg/cm2 1/4	1.00	EA
5.00	NV 00077030703	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ12	1.00	EA
6.00	NV 00107790113	FILTER/REGULATOR UNIT	三聯組合	MACP401-10A-D(Mindman)	1.00	EA
7.00	NV 00107790202	AUTOMATIC DRAIN WATER	自動排水器	MADV-400(500DM)	1.00	EA
8.00	NV 00077030801	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/8(F)Xφ8(JPG8-01)	1.00	EA
9.00	NV 00070070211	TUBING, PNEUMATIC	風壓用管	PU φ8xφ5(MINDMAN)0.4 M	1.00	EA
10.00	NV 00077031601	TEE ADAPTER, FEMALE&MALE	內外牙三通	PT3/8mxPT3/8fxPT1/4f	1.00	EA
11.00	NV 00077030220	PIPE	2吋牙管	PT1/4xPT1/4x2"L(WEU-02-2)	1.00	EA
12.00	NV 00070070202	TUBING, PNEUMATIC	風壓用管	PU φ8xφ5(MINDMAN)2.3 M	1.00	EA
13.00	NV 00077030806	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4Xφ8(JPC8-02)	1.00	EA
14.00	NV 00077030901	PRESTO ADAPTER, STRIGHT(female	內牙直快速接頭(母)	PT1/4"(SF20)	1.00	EA
15.00	NV 00070070205	TUBING, PNEUMATIC	風壓用管	PU φ12xφ8(MINDMAN)0.7 M	1.00	EA
16.00	NV 00077030802	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4xφ12	1.00	EA
17.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	6.00	EA
18.00	NV 00030480101	VALVE, 1/4 2 WAY PNEUMATIC	五口二位單線圈	1/4 SOLENOID VALVE 24V	2.00	EA
19.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xφ8(JPL8-02)	1.00	EA
20.00	NV 00070070226	TUBING,PNEUMATIC	風壓用管	PU φ8xφ5(MINDMAN)3.4M	1.00	EA

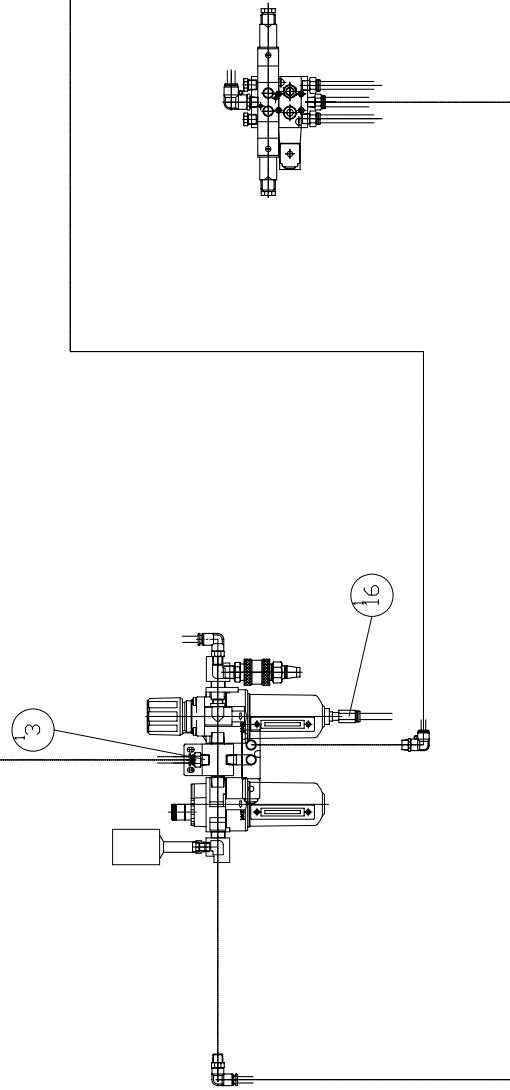
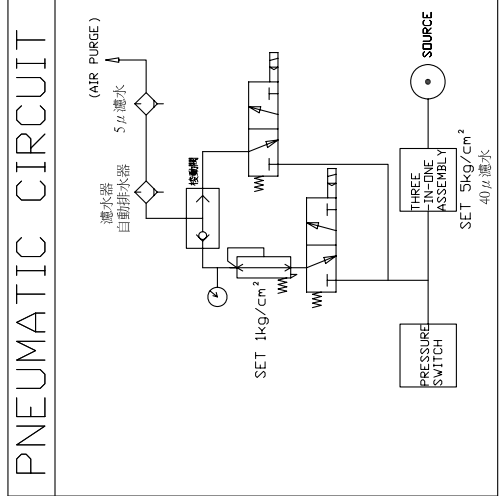
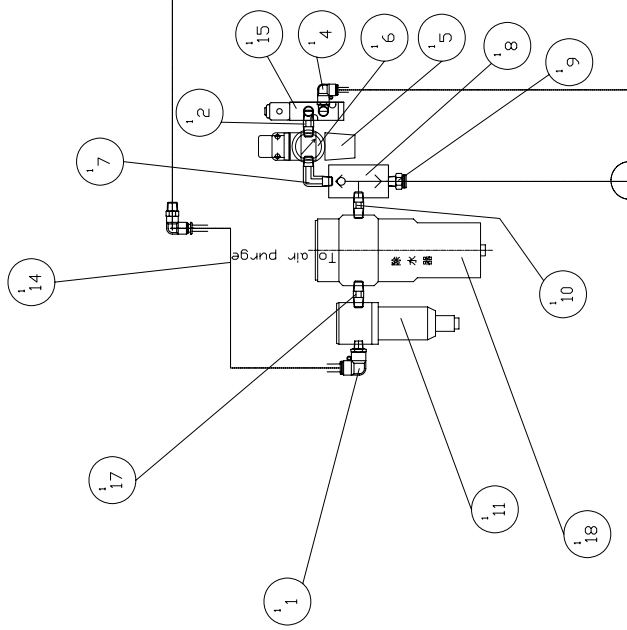
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
30.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xφ8(JPL8-02)	2.00	EA
31.00	NV 00070070202	TUBING, PNEUMATIC	風壓用管	PU φ8xφ5(MINDMAN)2.3 M	1.00	EA
34.00	NV 00077030801	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/8(F)Xφ8(JPG8-01)	1.00	EA
35.00	NV 00100590301	HAND SLIDE VALVE	滑動開關	PT3/8, MVHS-10A	1.00	EA
36.00	NV 00107790304	CROSS UNION(FILTER/REGULATOR U	三聯組合用四通閥	P101-2(Mindman),PT1/4"x2	1.00	ST
37.00	NV 00077031541	ELBOW, 90 DEG MALE	90度雙外牙	1/4T*1/8T	1.00	EA
38.00	NV 00030480104	VALVE, 1/4 2 WAY PNEUMATIC	三口二位單線圈(風壓電磁閥)	1/4 "24V(MVSC-220-3E1-NC)	1.00	EA
39.00	NV 00077030701	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ8(JPL8-03)	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	新仕様17, 18 (自動排水機追加)	2007/10/11	B55



主軸



To solenoid valve

MODEL	VMC480/710#30 (機力源無中心濾水)
PART NAME	PNEUMATIC PARTS (AIR PURGE)
PART NUMBER	NVA000280450J
DATE	2007/10/12
SCALE	1:12
REV.	A
PAGE	1 OF 1

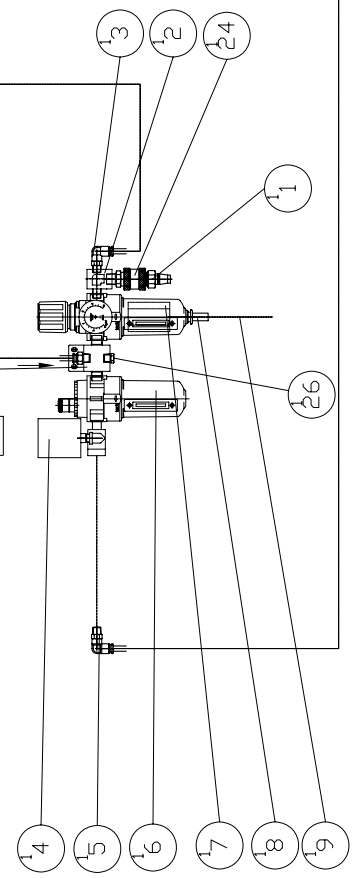
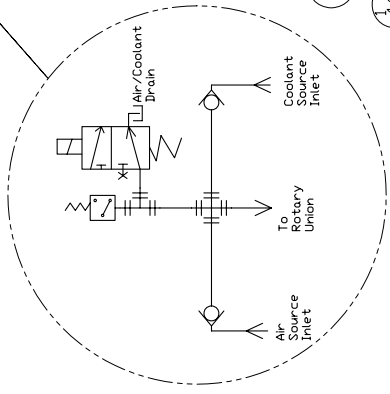
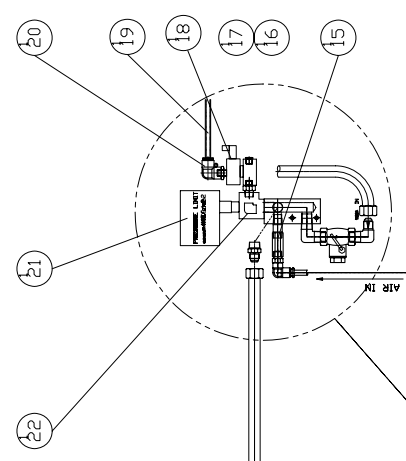
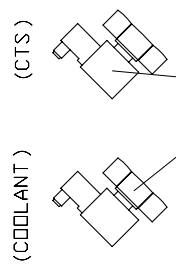
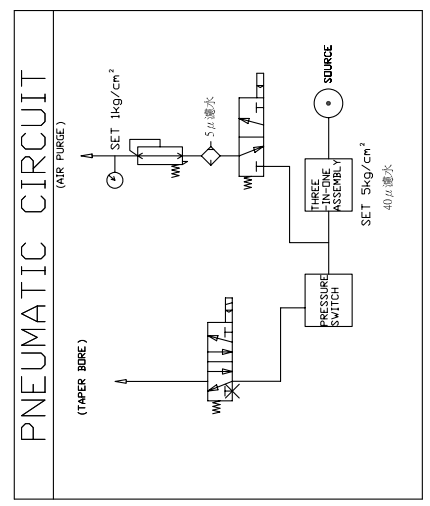
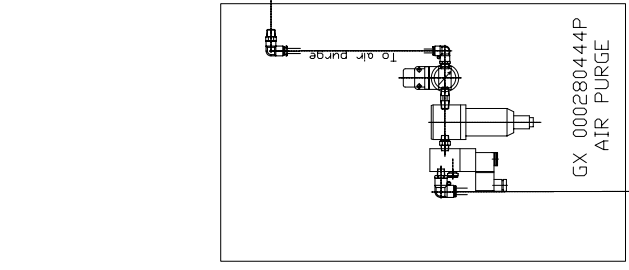
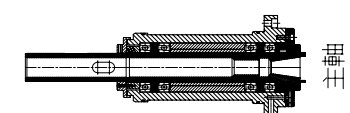
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVA000280450J

Description: PNEUMATIC PARTS(AIR PURGE)
氣壓管路(AIR PURGR)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xφ8(JPL8-02)	1.00	EA
2.00	NV 00077030214	NIPPLE, STRAIGHT	直接頭	PT1/4"XPT1/8"X30L	1.00	EA
3.00	NV 00077030806	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4Xφ8(JPC8-02)	1.00	EA
4.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xφ8(JPL8-02)	1.00	EA
5.00	NV 00107790115	FINE REGULATOR	迷你調壓器	1/4MAR200-8AL	1.00	EA
6.00	NV 00115370107	GAGE, PRESSURE	壓力錶	PT1/8"x4bar(58.8psi)	1.00	EA
7.00	NV 00077031541	ELBOW, 90 DEG MALE	90度雙外牙	1/4T*1/8T	1.00	EA
8.00	NV 00100590117	or valves	梭動閥	NZZ-01(1/8)	1.00	EA
9.00	S3500100008	CONNECTOR	省力接頭JPC8-01	省力接頭JPC8-01	1.00	EA
10.00	NV 00077030214	NIPPLE, STRAIGHT	直接頭	PT1/4"XPT1/8"X30L	1.00	EA
11.00	NV 00107790110	FILTER(5u)	過濾器(5u)	1/4 MAF300(27T0-8A)	1.00	EA
13.00	NV 00070070231	TUBING,PNEUMATIC	風壓用管	PU φ8xφ5(MINDMAN)0.75M	1.00	EA
14.00	NV 00070070239	TUBING, PNEUMATIC	風壓用管	PU φ8xφ5(MINDMAN)4.3M	1.00	EA
15.00	NV 00030480104	VALVE, 1/4 2 WAY PNEUMATIC	三口二位單線圈(風壓電磁閥)	1/4 "24V(MVSC-220-3E1-NC)	1.00	EA
16.00	NV 00107790205	AUTOMATIC DRAIN WATER	自動排水器	FMRF300-AD-U	1.00	EA
17.00	NV 00077030214	NIPPLE, STRAIGHT	直接頭	PT1/4"XPT1/8"X30L	1.00	EA
18.00	NV 00107790206	AIR DRYER DEVICE	濾水器自動排水器,腳架	WSA-C2-02L	1.00	ST

REV	DESCRIPTION	DATE	ECN
A	新開發	2007/6/28	666



MODEL: VMC480/710#30(動力源)
PART NAME: PNEUMATIC PARTS (CTS)
PART NUMBER: NV 000280432J
氣壓零組件 (固定件-中心給水)
DATE: 2007/6/20
JARED SENTL
SCALE: 1:12
REV: A
PAGE: 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000280432J

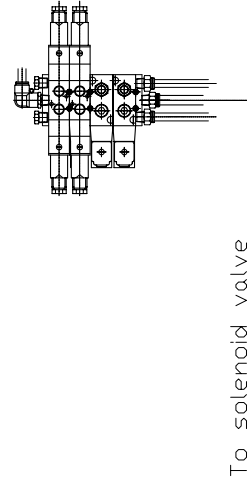
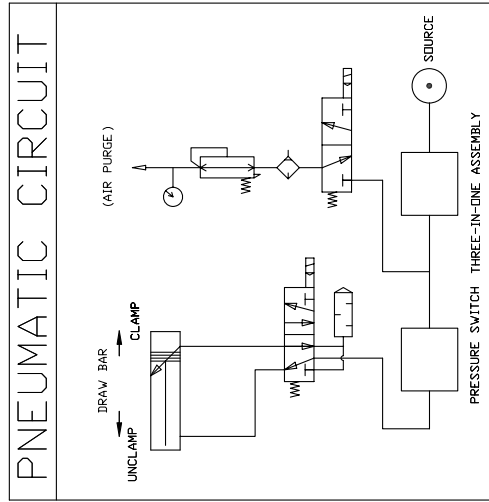
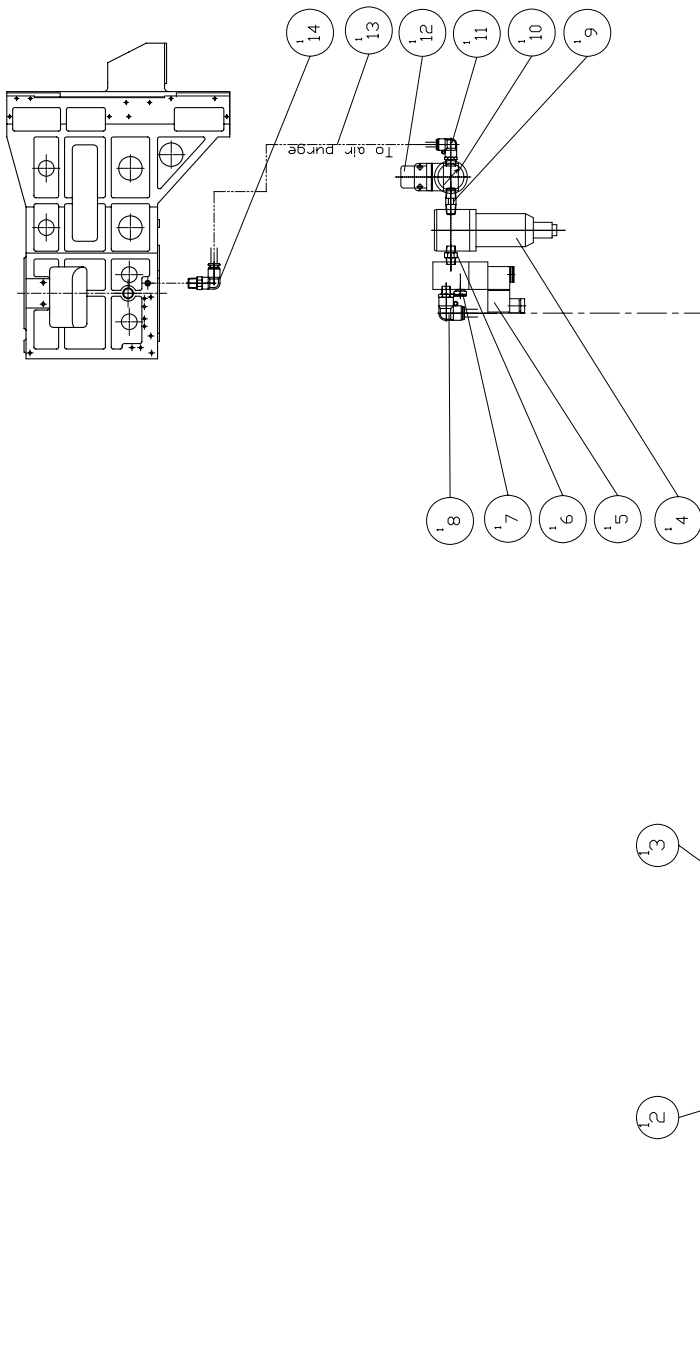
Description: PNEUMATIC PARTS(CTS)
氣壓零組件(固定件-中心給水)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00077031401	PRESTO ADAPTER, STRAIGHT MALE(	外牙直快速接頭(公)	PT3/8"(PM30)	1.00	EA
2.00	NV 00077031603	TEE ADAPTER, FEMALE&MALE	內外牙三通	PT3/8mxPT3/8fxPT3/8f(P104)	1.00	EA
3.00	NV 00077030701	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ8(JPL8-03)	1.00	EA
4.00	NV 00117360101	PRESSURE SWITCH(KP35)	壓力開關	0.2~7kg/cm2 1/4	1.00	EA
5.00	NV 00077030703	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ12	1.00	EA
6.00	NV 00107790113	FILTER/REGULATOR UNIT	三聯組合	MACP401-10A-D(Mindman)	1.00	EA
7.00	NV 00107790202	AUTOMATIC DRAIN WATER	自動排水器	MADV-400(500DM)	1.00	EA
8.00	NV 00077030801	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/8(F)Xφ8(JPG8-01)	1.00	EA
9.00	NV 00070070203	TUBING, PNEUMATIC	風壓用管	PU φ8xφ5(MINDMAN)1.2 M	1.00	EA
10.00	NV 00077031601	TEE ADAPTER, FEMALE&MALE	內外牙三通	PT3/8mxPT3/8fxPT1/4f	1.00	EA
11.00	NV 00077030220	PIPE	2吋牙管	PT1/4xPT1/4x2"L(WEU-02-2)	1.00	EA
12.00	NV 00070070206	TUBING, PNEUMATIC	風壓用管	PU φ8xφ5(MINDMAN)3.6 M	1.00	EA
13.00	NV 00077030806	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4Xφ8(JPC8-02)	1.00	EA
14.00	NV 00077030901	PRESTO ADAPTER, STRIGHT(female	內牙直快速接頭(母)	PT1/4"(SF20)	1.00	EA
15.00	NV 00100590104	CHECK VALVE, AIR	風壓逆止閥	PT1/4"	1.00	EA
16.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	1.00	EA
17.00	NV 00030480109	SOLENOID VALVE,3WAY-2POSITION	電磁閥,3WAY-2POSITION NORMAL OPEN	1/8" AC110V 31A3AV10 110,3WAY-	1.00	EA
18.00	NV 00077030214	NIPPLE, STRAIGHT	直接頭	PT1/4"XPT1/8"X30L	1.00	EA
19.00	NV 00070070501	TUBING, PNEUMATIC	風壓用管	PE φ6x1.5M(MINDMAN)(PE0640-B)	1.00	EA
20.00	NV 00077032301	PRESTO ADAPTER, BLBOW	90度彎肘快速接頭	PF1/8"Xφ6	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00117360108	PRESSURE SWITCH (CTS)	壓力開關(CTS)	(BN-1252-10A) 4~20kg/cm2	1.00	EA
22.00	NV 00077031601	TEE ADAPTER, FEMALE&MALE	內外牙三通	PT3/8mxPT3/8fxPT1/4f	1.00	EA
23.00	NV 00100590113	3/4-SOLENOID	二口二位電磁閥	3/4-110V (20kg/cm^2)	1.00	ST
24.00	NV 00100590301	HAND SLIDE VALVE	滑動開關	PT3/8, MVHS-10A	1.00	EA
25.00	NV 00107790304	CROSS UNION(FILTER/REGULATOR U	三聯組合用四通閥	P101-2(Mindman),PT1/4"x2	1.00	ST
26.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	1.00	EA

REV	DESCRIPTION	DATE	ENCL
A	新製	2007/1/30	1



MODEL: GX300/510

PART NAME

PNEUMATIC PARTS (AIR PURGE)

氣壓零件 (AIR PURGE)

DATE 2007/1/30

DESIGNER
PHL

SCALE 1:12

REV. A

PART NUMBER

GX 000280444P

PAGE 1 OF 1

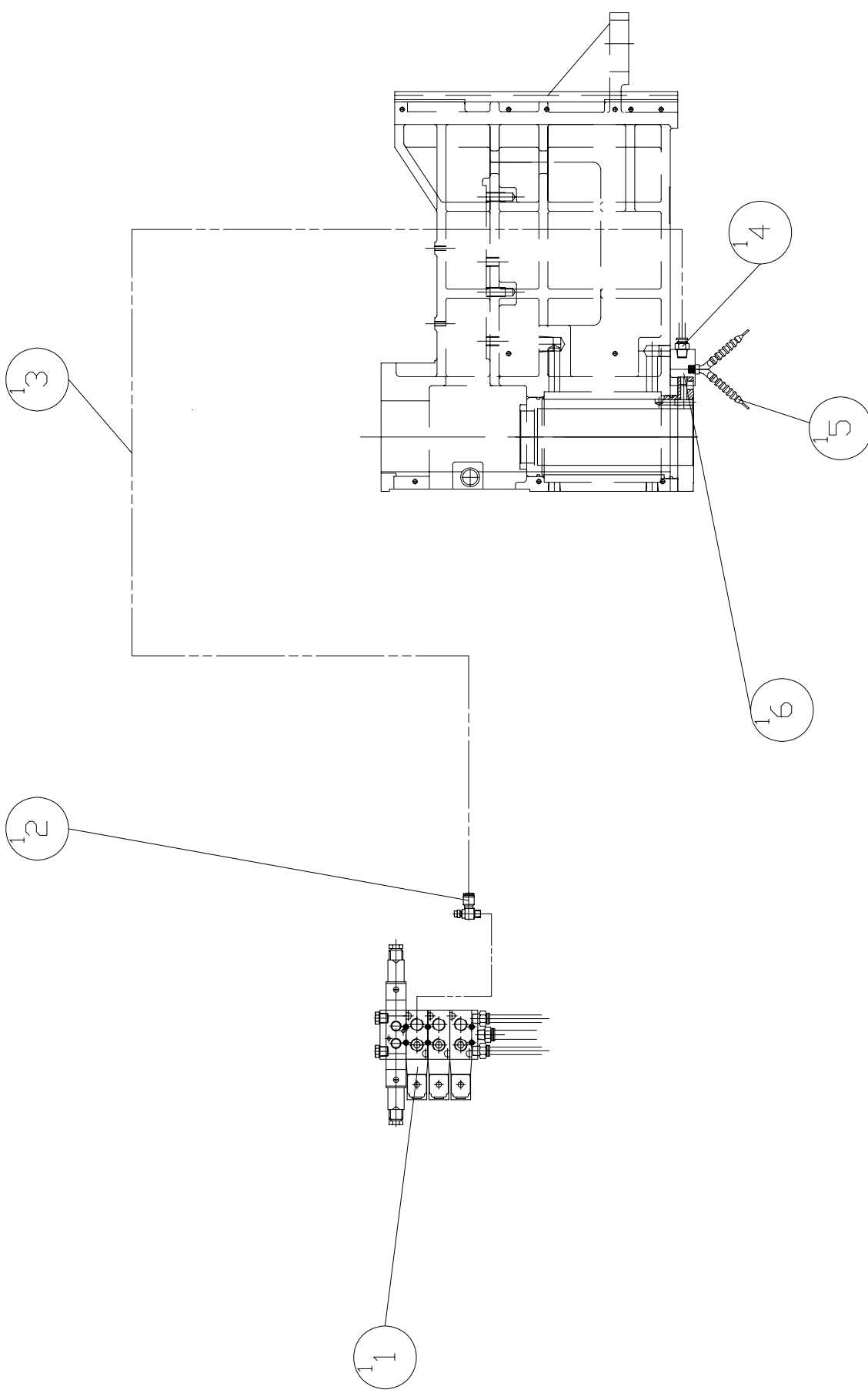
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000280444P

Description: PNEUMATIC PARTS(AIR PURGE)
氣壓零組件(AIR PURGE)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	1.00	EA
2.00	NV 00077030806	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4Xφ8(JPC8-02)	1.00	EA
3.00	NV 00070070279	TUBING, PNEUMATIC	風壓用管	PU φ 10xφ 6.5(MINDMAN)0.8M	1.00	EA
4.00	NV 00107790110	FILTER(5u)	過濾器(5u)	1/4 MAF300(27T0-8A)	1.00	EA
5.00	NV 00030480104	VALVE, 1/4 2 WAY PNEUMATIC	三口二位單線圈(風壓電磁閥)	1/4 "24V(MVSC-220-3E1-NC)	1.00	EA
6.00	NV 00077030206	NIPPLE, STRAIGHT	立布管	PT1/4"XPT1/4"X30L(P012)	1.00	EA
7.00	NV 00113350103	MUFFLER, BREATHER	消音器	PT1/4(SL-02Q)	1.00	EA
8.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xφ8(JPL8-02)	1.00	EA
9.00	NV 00077030206	NIPPLE, STRAIGHT	立布管	PT1/4"XPT1/4"X30L(P012)	1.00	EA
10.00	NV 00115370107	GAGE, PRESSURE	壓力錶	PT1/8"x4bar(58.8psi)	1.00	EA
11.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xφ8(JPL8-02)	1.00	EA
12.00	NV 00107790109	FINE REGULATOR	迷你微壓調節器美	1/4(R55-2)	1.00	EA
13.00	NV 00070070206	TUBING, PNEUMATIC	風壓用管	PU φ 8xφ 5(MINDMAN)3.6 M	1.00	EA
14.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xφ8(JPL8-02)	1.00	EA
15.00	NV 00107790205	AUTOMATIC DRAIN WATER	自動排水器	FMRF300-AD-U	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	新製	2006/9/28	575
B	新増#5	2007/9/7	796



MODEL: DT480/710#30	
PART NAME	PART NUMBER
PNEUMATIC PARTS<AIR COOLANT>	NV 000280434J
氣壓零組件<主車側吹氣>	PAGE 1 OF 1
DATE 2006/9/28	REV. B
ENGINEER FHTL	SCALE 1:12

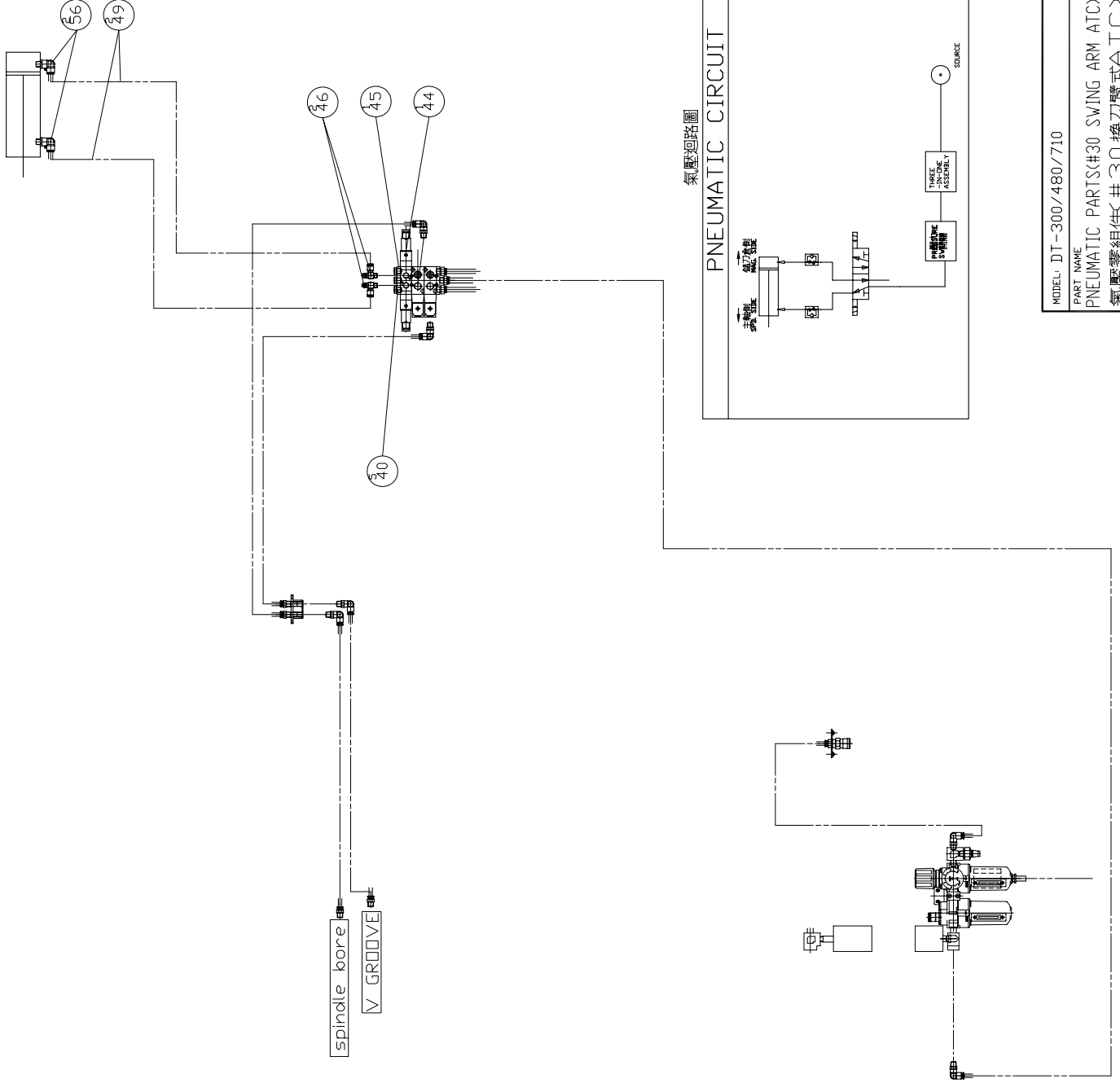
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000280434J

Description: PNEUMATIC PARTS(AIR BLOW)
氣壓零組件(模貝吹屑)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00030480101	VALVE, 1/4 2 WAY PNEUMATIC	五口二位單線圈	1/4 SOLENOID VALVE 24V	1.00	EA
2.00	NV 00077031303	PRESTO ADAPTER, ELBOW(ADJUSTAB	90度彎肘快速接頭(附調速)	PT1/4xφ8(JSC8-02A)	1.00	EA
3.00	NV 00070070240	TUBING, PNEUMATIC	風壓用管	PU φ8xφ5(MINDMAN)3M	1.00	EA
4.00	NV 00077030806	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4X φ 8(JPC8-02)	1.00	EA
5.00	NV 00070110119	Y NOZZLE W/VALVE, COOLANT	PT1/4 Y型冷卻水噴嘴	附開關+Y+9節d3圓嘴x2	1.00	EA
6.00	NV 00106611J	BLOCK,AIR BLOW	模貝吹屑座	L51xW31.8xH30	1.00	EA

REV	DESCRIPTION	DATE	ENCL
A		2007/07/15	7



MODEL: DT-300/480/710		SCALE: 1:15
PART NAME	PART NUMBER	REV. A
PNEUMATIC PARTS(#30 SWING ARM ATC)	NV 000280437 J	
氣壓零組件<#30 換刀臂式ATC>	PAGE 1 OF 1	
DATE: 2004/12/21	DATE	

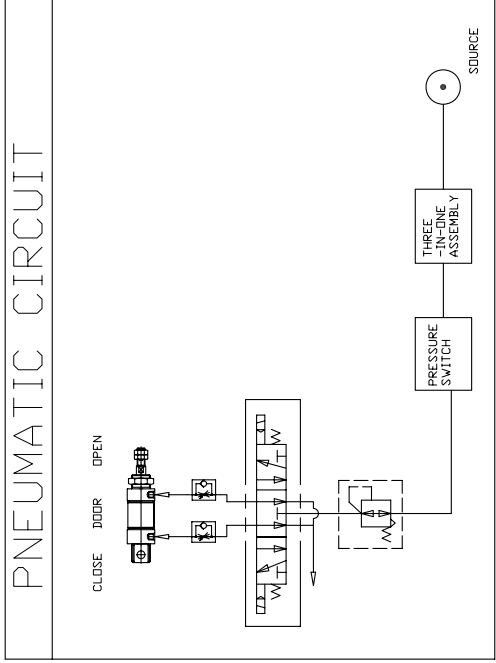
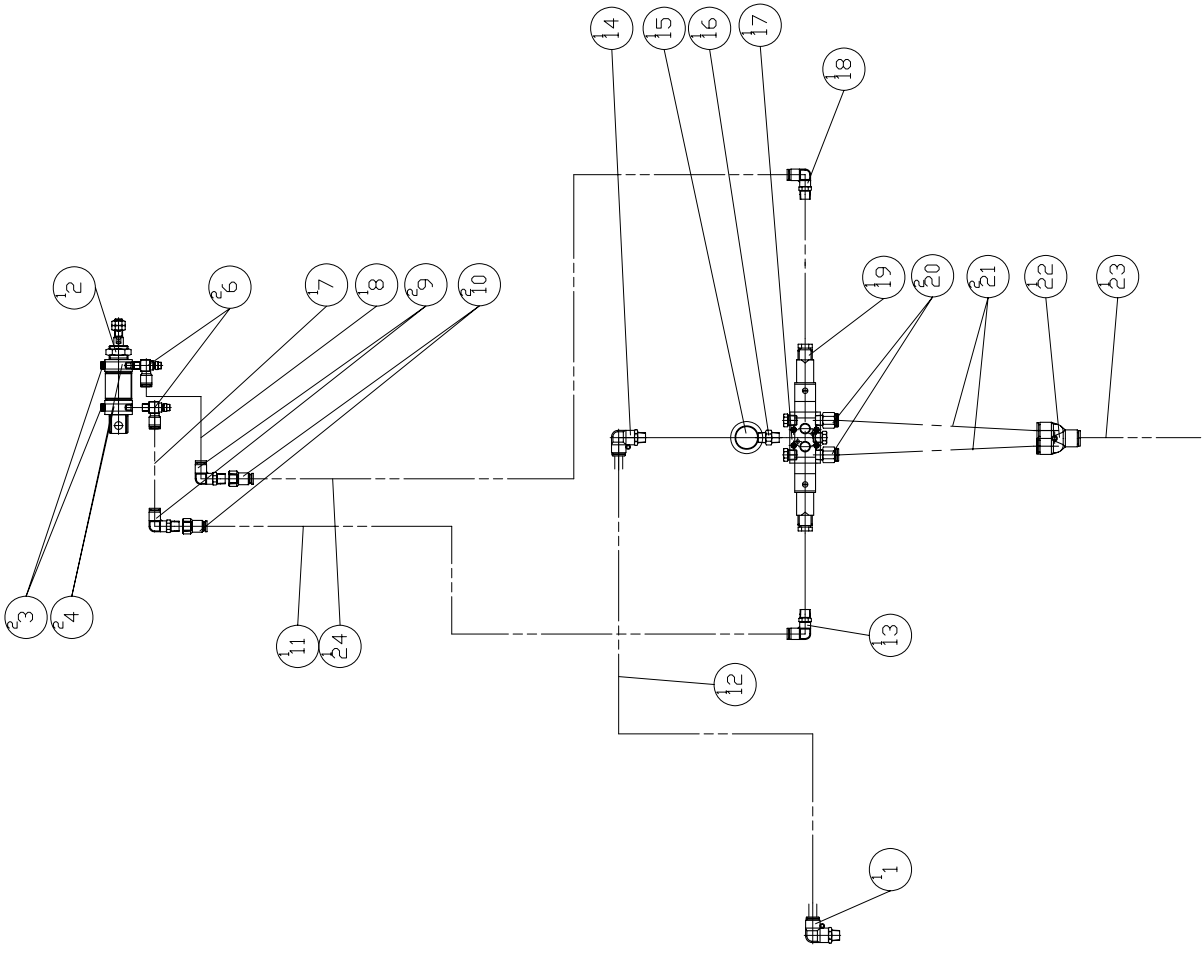
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000280437J

Description: PNEUMATIC PARTS(SWING ARM ATC)
氣壓零組件(SWING ARM ATC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
40.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	5.00	EA
44.00	NV 00030480107	VALVE, 1/4 2 WAY PNEUMATIC	五口二位雙線圈	1/4 MVSD-260-4E2-DC 24V	1.00	EA
45.00	NV 001023409A	MANIFOLD, PNEUMATIC	歧塊,三聯電磁閥用 M3	M3	1.00	EA
46.00	NV 00077031302	PRESTO ADAPTER, ELBOW(ADJUSTAB	90度彎肘快速接頭(附調速)	PT1/4xΦ10(JDSC10-02B)	2.00	EA
49.00	NV 00070070235	TUBING,PNEUMATIC	風壓用管	PU Φ 10xΦ 6.5(MINDMAN)2.19M	2.00	EA
56.00	NV 00077030710	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xΦ10(CTL10-03)	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	新機	2007/6/21	650



MODEL: DT-480/VMC-480	
PART NAME	PART NUMBER
PNEUMATIC PARTS(AUTO DOOR)	NV 000280433J
氣壓零組件(自動門)	
DATE 2007/6/25	SCALE 1:10
REV. A	PAGE 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000280433J

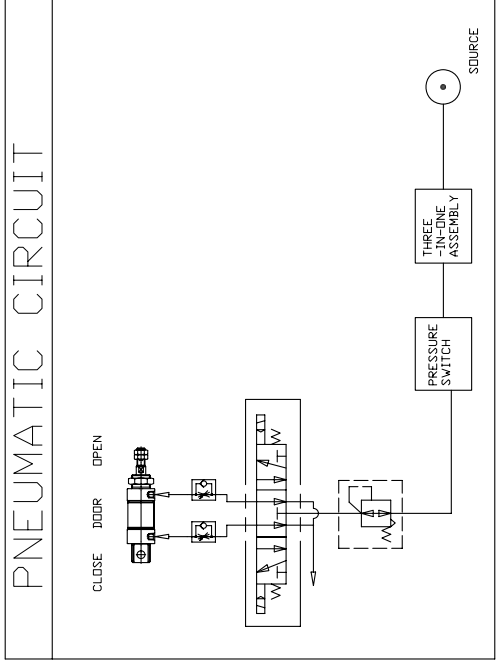
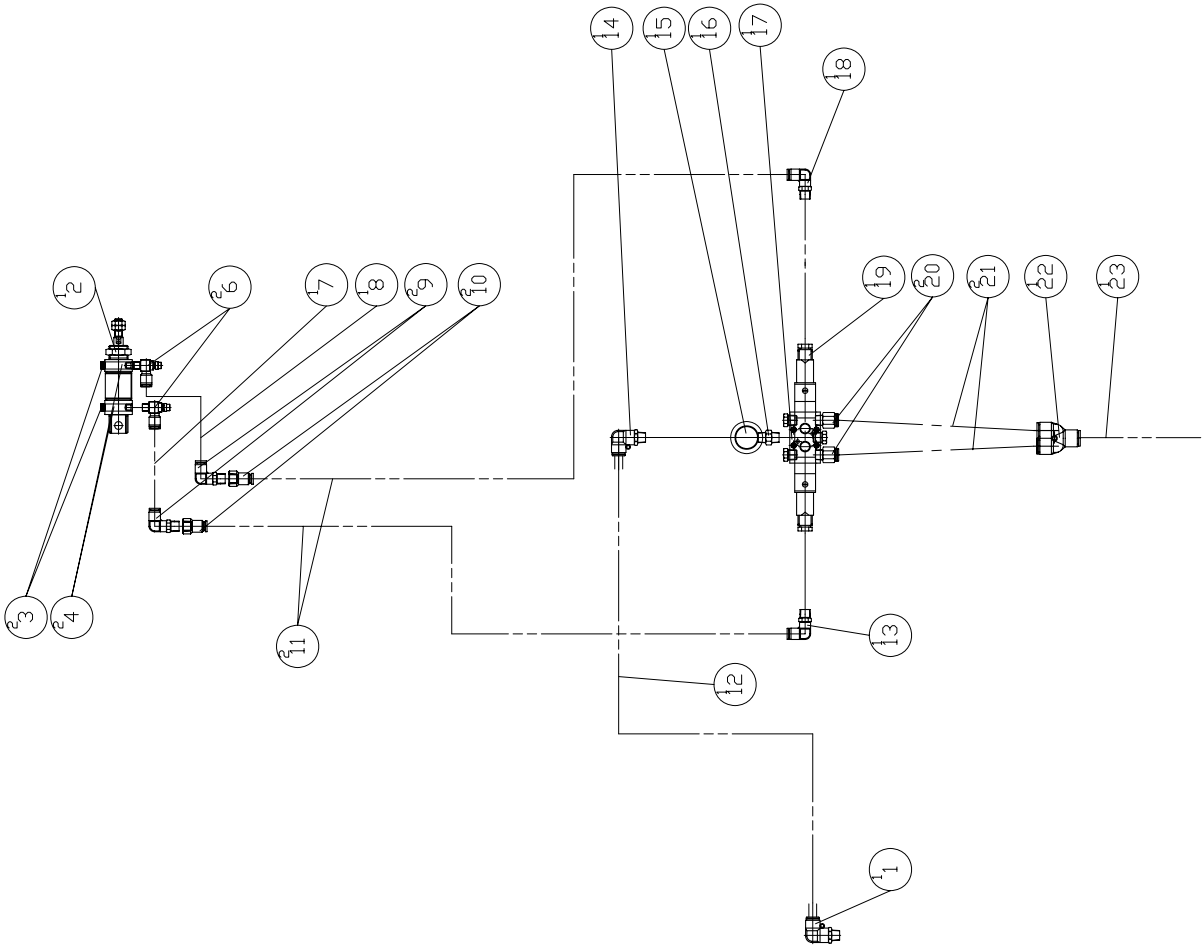
Description: PNEUMATIC PARTS(AUTO DOOR)
氣壓零組件(自動門)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00077030706	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xΦ10(JPL10-02)	1.00	EA
2.00	NV 000291703J	CYLINDER,AUTO DOOR	氣壓缸,自動門	[MINDMAN]MCMMA-11-40-650	1.00	ST
3.00	NV 00028340200	REED RELAY	磁簧開關	LS-BD2 (LIANG YI)	2.00	EA
4.00	NV 00108210008	REED RELAY BASE & CLAMP (FOR L	磁簧開關座+束帶 (FOR LS-BD2)	EZY BAND	2.00	EA
6.00	NV 00077031301	PRESTO ADAPTER, ELBOW(ADJUSTAB	90度彎肘快速接頭(附調速)	PT1/8xΦ8(JSC8-01B)	2.00	EA
7.00	NV 00070070224	TUBING,PNEUMATIC	風壓用管	PU Φ8xΦ5(MINDMAN)0.12 M	1.00	EA
8.00	NV 00070070225	TUBING,PNEUMATIC	風壓用管	PU Φ8xΦ5(MINDMAN)0.55M	1.00	EA
9.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xΦ8(JPL8-02)	2.00	EA
10.00	NV 00077032001	STRAIGHT, PRESTO ADAPTER(	直型快速接頭	PT1/4"fxΦ8(JPG8-02)	2.00	EA
11.00	NV 00070070280	TUBING,PNEUMATIC	風壓用管	PU Φ8xΦ5(MINDMAN)2.7 M	1.00	ST
12.00	NV 00070070215	TUBING, PNEUMATIC	風壓用管	PU Φ 10xΦ6.5(MINDMAN)0.5M	1.00	EA
13.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xΦ8(JPL8-02)	1.00	EA
14.00	NV 00077030706	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xΦ10(JPL10-02)	1.00	EA
15.00	NV 00107790109	FINE REGULATOR	迷你微壓調壓器美	1/4(R55-2)	1.00	EA
16.00	NV 00077030206	NIPPLE, STRAIGHT	立布管	PT1/4"XPT1/4"X30L(P012)	1.00	EA
17.00	NV 001023407A	MANIFOLD, PNEUMATIC	歧塊,一聯電磁閥用 M1	M1	1.00	EA
18.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xΦ8(JPL8-02)	1.00	EA
19.00	NV 00030480106	VALVE, 1/4 2 WAY PNEUMATIC	五口三位中排	1/4 24V(MVSD-260-4E2R)	1.00	EA
20.00	NV 00077030811	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4xΦ10(JPC10-02)	2.00	EA
21.00	NV 00070070229	TUBING, PNEUMATIC	風壓用管	PU Φ 10xΦ6.5(MINDMAN)0.25M	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
22.00	NV 00077031005	PRESTO ADAPTER,Y	Y型快速接頭	JPY10	1.00	EA
23.00	NV 00070070230	TUBING, PNEUMATIC	風壓用管	PU ϕ 10x ϕ 6.5(MINDMAN)1.6M	1.00	EA
24.00	NV 00070070281	TUBING,PNEUMATIC	風壓用管	PU ϕ 8x ϕ 5(MINDMAN)3.1 M	1.00	ST

REV	DESCRIPTION	DATE	ECN
A	新機	2006/4/28	33



MODEL: DT-710/VMC-710	
PART NAME	PART NUMBER
PNEUMATIC PARTS(AUTO DOOR)	NV 000280433K
氣壓零組件(自動門)	
DATE 2006/4/28	SCALE 1:10
ENGRK S.H.L.	REV. A
PAGE 1 OF 1	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000280433K

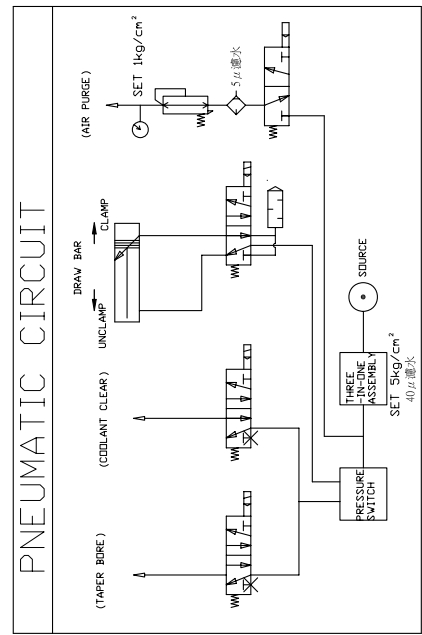
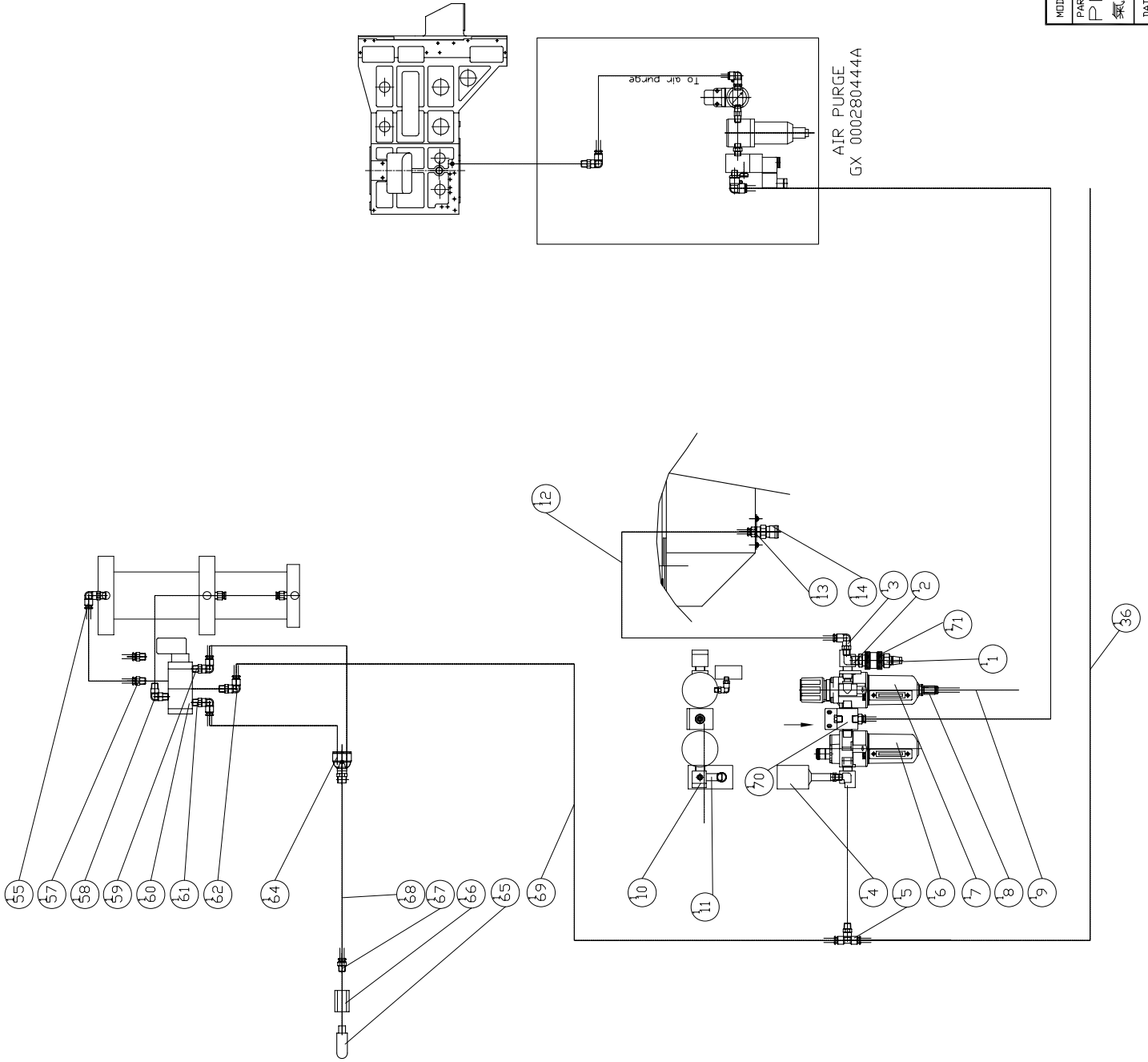
Description: PNEUMATIC PARTS(AUTO DOOR)
氣壓零組件(自動門)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00077030706	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xΦ10(JPL10-02)	1.00	EA
2.00	NV 000291703K	CYLINDER, AUTO DOOR	氣壓缸,自動門	(MINDMAN)MCMMA-11-40-870	1.00	ST
3.00	NV 00028340200	REED RELAY	磁簧開關	LS-BD2 (LIANG YI)	2.00	EA
4.00	NV 00108210008	REED RELAY BASE & CLAMP (FOR L	磁簧開關座+束帶 (FOR LS-BD2)	EZY BAND	2.00	EA
6.00	NV 00077031301	PRESTO ADAPTER, ELBOW(AJUSTAB	90度彎肘快速接頭(附調速)	PT1/8xΦ8(JSC8-01B)	2.00	EA
7.00	NV 00070070224	TUBING,PNEUMATIC	風壓用管	PU Φ8xΦ5(MINDMAN)0.12 M	1.00	EA
8.00	NV 00070070225	TUBING,PNEUMATIC	風壓用管	PU Φ8xΦ5(MINDMAN)0.55M	1.00	EA
9.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xΦ8(JPL8-02)	2.00	EA
10.00	NV 00077032001	STRAIGHT, PRESTO ADAPTER(	直型快速接頭	PT1/4"fxΦ8(JPG8-02)	2.00	EA
11.00	NV 00070070223	TUBING,PNEUMATIC	風壓用管	PU Φ8xΦ5(MINDMAN)2.2 M	2.00	EA
12.00	NV 00070070215	TUBING, PNEUMATIC	風壓用管	PU Φ 10xΦ6.5(MINDMAN)0.5M	1.00	EA
13.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xΦ8(JPL8-02)	1.00	EA
14.00	NV 00077030706	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xΦ10(JPL10-02)	1.00	EA
15.00	NV 00107790109	FINE REGULATOR	迷你微壓調壓器美	1/4(R55-2)	1.00	EA
16.00	NV 00077030206	NIPPLE, STRAIGHT	立布管	PT1/4"XPT1/4"X30L(P012)	1.00	EA
17.00	NV 001023407A	MANIFOLD, PNEUMATIC	歧塊,一聯電磁閥用 M1	M1	1.00	EA
18.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xΦ8(JPL8-02)	1.00	EA
19.00	NV 00030480106	VALVE, 1/4 2 WAY PNEUMATIC	五口三位中排	1/4 24V(MVSD-260-4E2R)	1.00	EA
20.00	NV 00077030811	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4xΦ10(JPC10-02)	2.00	EA
21.00	NV 00070070229	TUBING, PNEUMATIC	風壓用管	PU Φ 10xΦ6.5(MINDMAN)0.25M	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
22.00	NV 00077031005	PRESTO ADAPTER,Y	Y型快速接頭	JPY10	1.00	EA
23.00	NV 00070070230	TUBING, PNEUMATIC	風壓用管	PU ϕ 10x ϕ 6.5(MINDMAN)1.6M	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	新形	2006/11/2	154
B	新増 NV 00107790344	2007/6/28	66E



MODEL: VMC480/710#40	
PART NAME	PART NUMBER
PNEUMATIC PARTS	NV 000280430L
氣壓零組件 (固定件-無中心給水)	PAGE 1 OF 1
DATE 2006/11/2	SCALE 1:1
ENDERK SHIL	REV. B

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000280430L

Description: PNEUMATIC PARTS(common-w/oCTS)
氣壓零組件(固定件-無中心給水)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00077031401	PRESTO ADAPTER, STRAIGHT MALE(	外牙直快速接頭(公)	PT3/8"(PM30)	1.00	EA
2.00	NV 00077031603	TEE ADAPTER, FEMALE&MALE	內外牙三通	PT3/8mxPT3/8fxPT3/8f(P104)	1.00	EA
3.00	NV 00077030701	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ8(JPL8-03)	1.00	EA
4.00	NV 00117360101	PRESSURE SWITCH(KP35)	壓力開關	0.2~7kg/cm2 1/4	1.00	EA
5.00	NV 00077031101	PRESTO ADAPTER, TEE	三通快速接頭	PT3/8xφ12	1.00	EA
6.00	NV 00107790113	FILTER/REGULATOR UNIT	三聯組合	MACP401-10A-D(Mindman)	1.00	EA
7.00	NV 00107790202	AUTOMATIC DRAIN WATER	自動排水器	MADV-400(500DM)	1.00	EA
8.00	NV 00077030801	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/8(F)Xφ8(JPG8-01)	1.00	EA
9.00	NV 00070070203	TUBING, PNEUMATIC	風壓用管	PU φ8xφ5(MINDMAN)1.2 M	1.00	EA
10.00	NV 00077031601	TEE ADAPTER, FEMALE&MALE	內外牙三通	PT3/8mxPT3/8fxPT1/4f	1.00	EA
11.00	NV 00077030220	PIPE	2吋牙管	PT1/4xPT1/4x2"L(WEU-02-2)	1.00	EA
12.00	NV 00070070206	TUBING, PNEUMATIC	風壓用管	PU φ8xφ5(MINDMAN)3.6 M	1.00	EA
13.00	NV 00077030806	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4Xφ8(JPC8-02)	1.00	EA
14.00	NV 00077030901	PRESTO ADAPTER, STRIGHT(female	內牙直快速接頭(母)	PT1/4"(SF20)	1.00	EA
36.00	NV 00070070205	TUBING, PNEUMATIC	風壓用管	PU φ12xφ8(MINDMAN)0.7 M	1.00	EA
55.00	NV 00077030703	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ12	1.00	EA
57.00	NV 00077030803	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT3/8xφ12	1.00	EA
58.00	NV 00077031515	ELBOW, 90 DEG MALE	90度外雙螺紋肘管	PT3/8"XPT3/8"	1.00	EA
59.00	NV 00077030703	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ12	1.00	EA
60.00	NV 00030480102	VALVE, 3/8 2 WAY PNEUMATIC	五口二位單線圈	3/8 SOLENOID VALVE 24V	1.00	EA

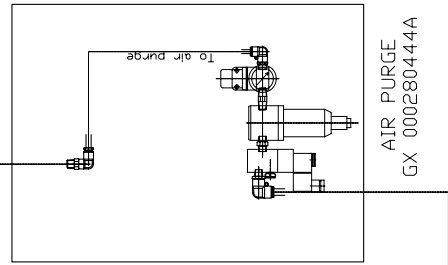
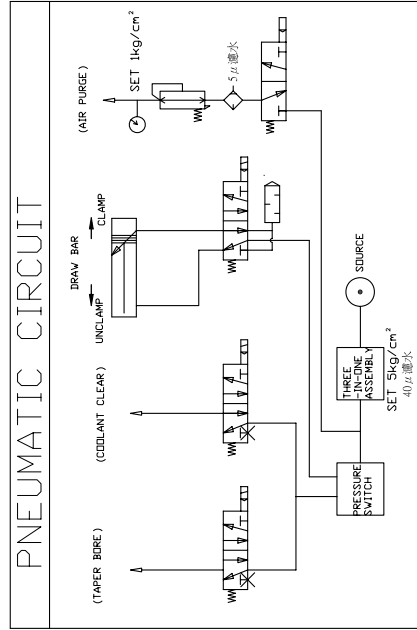
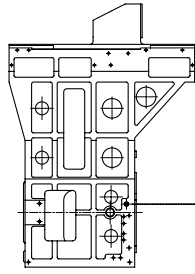
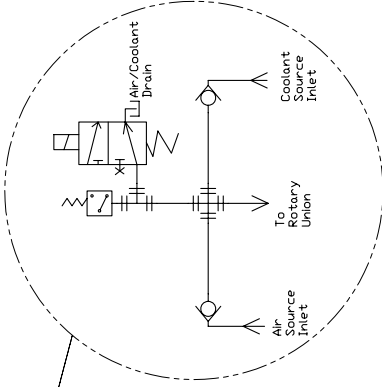
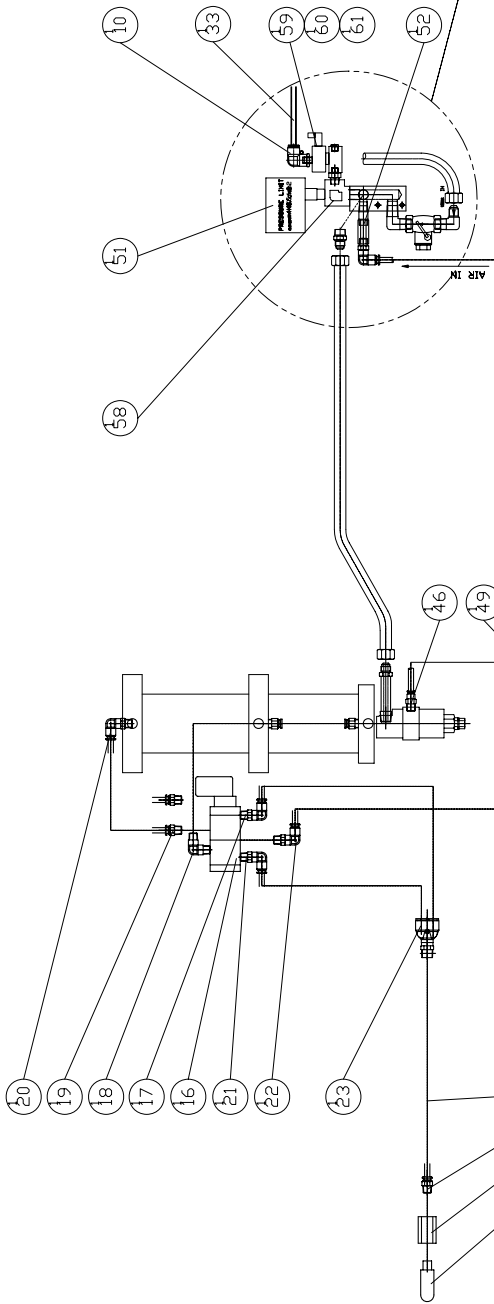
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
61.00	NV 00077030703	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ12	1.00	EA
62.00	NV 00077030703	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ12	1.00	EA
64.00	NV 00077031001	PRESTO ADAPTER,Y	Y型快速接頭	Y φ 12	1.00	EA
65.00	NV 00113350108	MUFFLER, BREATHER	消音器	PT3/8(MSR-03-B)	1.00	EA
66.00	NV 00077030606	UNION	直雙內牙接頭	PT1/2xPT3/8(P056)	1.00	EA
67.00	NV 00077030804	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/2xφ12	1.00	EA
68.00	NV 00070070209	TUBING, PNEUMATIC	風壓用管	PU φ 12xφ8(MINDMAN)3.7 M	1.00	EA
69.00	NV 00070070204	TUBING, PNEUMATIC	風壓用管	PU φ 12xφ8(MINDMAN)2.7 M	1.00	EA
70.00	NV 00107790304	CROSS UNION(FILTER/REGULATOR U	三聯組合用四通閥	P101-2(Mindman),PTf1/4"x2	1.00	ST
71.00	NV 00100590301	HAND SLIDE VALVE	滑動開關	PT3/8, MVHS-10A	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	新機	2006/11/2	154
B	新機 NV 00107790344	2007/6/28	66

(COOLANT)

(CTS)



MODEL: VMC480/710#40	
PART NAME	PART NUMBER
PNEUMATIC PARTS (CTS)	NV 000280432L
氣壓零組件 (固定件-中心給水)	PAGE 1 OF 1
DATE 2006/11/2	SCALE 1:1.2
ENDERK SHIL	REV. B

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000280432L

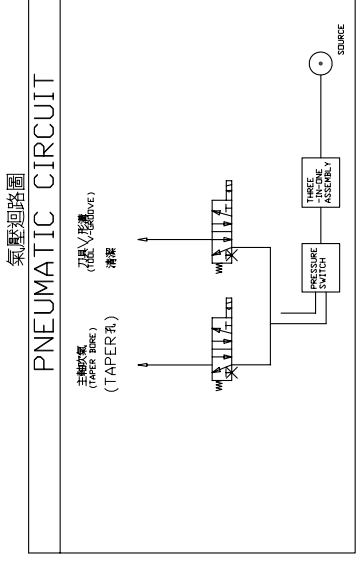
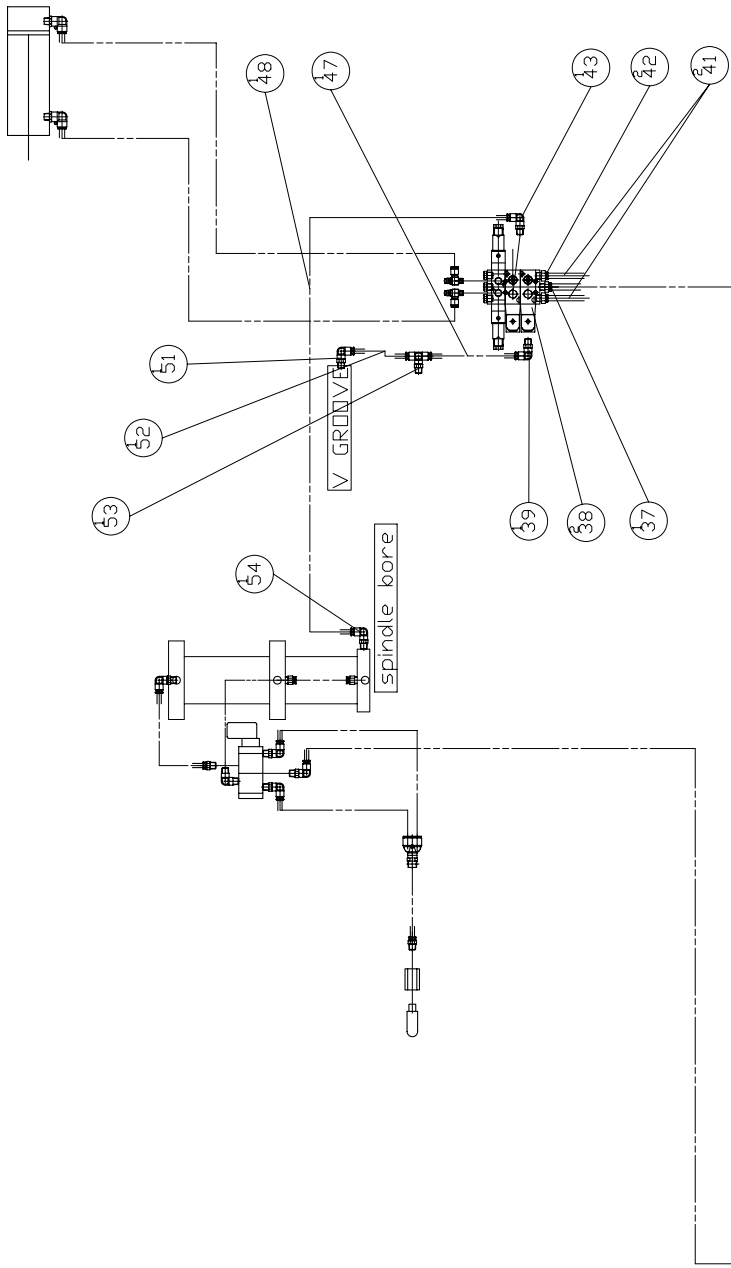
Description: PNEUMATIC PARTS(CTS)
氣壓零組件(中心給水)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00077031401	PRESTO ADAPTER, STRAIGHT MALE(	外牙直快速接頭(公)	PT3/8"(PM30)	1.00	EA
3.00	NV 00077031603	TEE ADAPTER, FEMALE&MALE	內外牙三通	PT3/8mxPT3/8fxPT3/8f(P104)	1.00	EA
4.00	NV 00077030701	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ8(JPL8-03)	1.00	EA
5.00	NV 00117360101	PRESSURE SWITCH(KP35)	壓力開關	0.2~7kg/cm2 1/4	1.00	EA
6.00	NV 00077031101	PRESTO ADAPTER, TEE	三通快速接頭	PT3/8xφ12	1.00	EA
7.00	NV 00077030220	PIPE	2吋牙管	PT1/4xPT1/4x2"L(WEU-02-2)	1.00	EA
8.00	NV 00107790113	FILTER/REGULATOR UNIT	三聯組合	MACP401-10A-D(Mindman)	1.00	EA
9.00	NV 00107790202	AUTOMATIC DRAIN WATER	自動排水器	MADV-400(500DM)	1.00	EA
10.00	NV 00077032301	PRESTO ADAPTER, BLBOW	90度彎肘快速接頭	PF1/8"X φ6	1.00	EA
16.00	NV 00030480102	VALVE, 3/8 2 WAY PNEUMATIC	五口二單線圈	3/8 SOLENOID VALVE 24V	1.00	EA
17.00	NV 00077030703	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ12	1.00	EA
18.00	NV 00077031515	ELBOW, 90 DEG MALE	90度外雙螺紋肘管	PT3/8"XPT3/8"	1.00	EA
19.00	NV 00077030803	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT3/8xφ12	1.00	EA
20.00	NV 00077030703	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ12	1.00	EA
21.00	NV 00077030703	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ12	1.00	EA
22.00	NV 00077030703	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ12	1.00	EA
23.00	NV 00077031001	PRESTO ADAPTER,Y	Y型快速接頭	Y φ12	1.00	EA
24.00	NV 00077030804	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/2xφ12	1.00	EA
25.00	NV 00077030606	UNION	直雙內牙接頭	PT1/2xPT3/8(P056)	1.00	EA
26.00	NV 00113350108	MUFFLER, BREATHER	消音器	PT3/8(MSR-03-B)	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
29.00	NV 00077030806	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4X φ 8(JPC8-02)	1.00	EA
30.00	NV 00077030901	PRESTO ADAPTER, STRIGHT(female)	內牙直快速接頭(母)	PT1/4"(SF20)	1.00	EA
33.00	NV 00070070501	TUBING, PNEUMATIC	風壓用管	PE φ 6x1.5M(MINDMAN)(PE0640-B)	1.00	EA
34.00	NV 00070070204	TUBING, PNEUMATIC	風壓用管	PU φ 12xφ 8(MINDMAN)2.7 M	1.00	EA
35.00	NV 00070070206	TUBING, PNEUMATIC	風壓用管	PU φ 8xφ 5(MINDMAN)3.6 M	1.00	EA
36.00	NV 00070070205	TUBING, PNEUMATIC	風壓用管	PU φ 12xφ 8(MINDMAN)0.7 M	1.00	EA
39.00	NV 00070070209	TUBING, PNEUMATIC	風壓用管	PU φ 12xφ 8(MINDMAN)3.7 M	1.00	EA
46.00	NV 00077030806	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4X φ 8(JPC8-02)	1.00	EA
49.00	NV 00070070212	TUBING, PNEUMATIC	風壓用管	PU φ 8xφ 5(MINDMAN)4.7 M	1.00	EA
50.00	NV 00100590113	3/4-SOLENOID	二口二位電磁閥	3/4-110V (20kg/cm ²)	2.00	ST
51.00	NV 00117360108	PRESSURE SWITCH (CTS)	壓力開關(CTS)	(BN-1252-10A) 4~20kg/cm2	1.00	EA
52.00	NV 00100590104	CHECK VALVE, AIR	風壓逆止閥	PT1/4"	1.00	EA
58.00	NV 00077031601	TEE ADAPTER, FEMALE&MALE	內外牙三通	PT3/8mxPT3/8fxPT1/4f	1.00	EA
59.00	NV 00077030214	NIPPLE, STRAIGHT	直接頭	PT1/4"XPT1/8"X30L	1.00	EA
60.00	NV 00030480109	SOLENOID VALVE,3WAY-2POSITION	電磁閥,3WAY-2POSITION	1/8" AC110V 31A3AV10 110,3WAY-	1.00	EA
61.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	1.00	EA
62.00	NV 00077030801	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/8(F)X φ 8(JPG8-01)	1.00	EA
63.00	NV 00070070203	TUBING, PNEUMATIC	風壓用管	PU φ 8xφ 5(MINDMAN)1.2 M	1.00	EA
64.00	NV 00077031601	TEE ADAPTER, FEMALE&MALE	內外牙三通	PT3/8mxPT3/8fxPT1/4f	1.00	EA
65.00	NV 00100590301	HAND SLIDE VALVE	滑動開關	PT3/8, MVHS-10A	1.00	EA
66.00	NV 00107790304	CROSS UNION(FILTER/REGULATOR U	三聯組合作用四通閥	P101-2(Mindman),PT1/4"x2	1.00	ST

REV	DESCRIPTION	DATE	ECN
A	釋放	2007/5/17	579



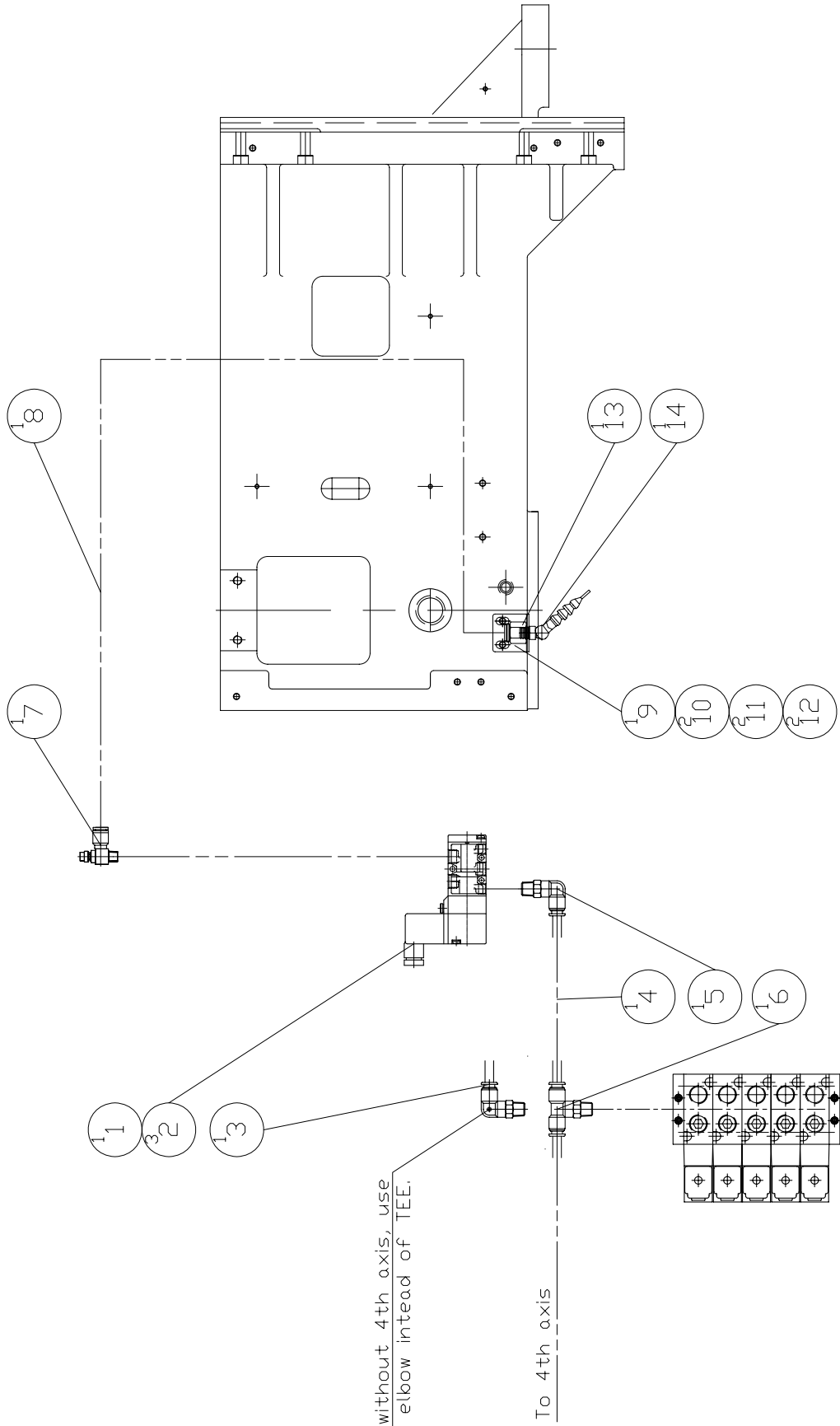
MODEL: VMC-480/710	PART NUMBER
PNEUMATIC PARTS(#40 SWING ARM ATC)	NV 000280431L
氣壓零件組件<內吹氣-單刀倉>	PAGE 1 OF 1
DATE 2004/9/16	SCALE 1:15
REV. A	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000280431L
Description: ASSM PNEUMATIC PARTS standard
內外吹氣(單刀倉)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
37.00	NV 00077030802	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4xΦ12	1.00	EA
38.00	NV 00030480101	VALVE, 1/4 2 WAY PNEUMATIC	五口二位單線圈	1/4 SOLENOID VALVE 24V	2.00	EA
39.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xΦ8(JPL8-02)	1.00	EA
41.00	NV 00070070222	TUBING, PNEUMATIC	風壓用管	PU Φ 10xΦ 6.5(MINDMAN)1.3M	2.00	EA
42.00	NV 00077030811	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4xΦ10(JPC10-02)	2.00	EA
43.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xΦ8(JPL8-02)	1.00	EA
47.00	NV 00070070201	TUBING,PNEUMATIC	風壓用管	PU Φ 8xΦ 5(MINDMAN)2.5 M	1.00	EA
48.00	NV 00070070202	TUBING, PNEUMATIC	風壓用管	PU Φ 8xΦ 5(MINDMAN)2.3 M	1.00	EA
51.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xΦ8(JPL8-02)	1.00	EA
52.00	NV 00070070217	TUBING, PNEUMATIC	風壓用管	PU Φ 8xΦ 5(MINDMAN)0.25M	1.00	EA
53.00	NV 00077031107	PRESTO ADAPTER, TEE	三通快速接頭	PT3/8xΦ8	1.00	EA
54.00	NV 00077030705	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/8xΦ8	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	新機	2006/12/4	299



If without 4th axis, use
90° elbow instead of TEE.

To 4th axis

MODEL: DT/VMC 480/710	PART NUMBER
ADD AIR BLASTER ON SPINDLE SIDE	NV 000280418J
力加裝主車由俱加氣	PAGE 1 OF 1
DATE 2006/12/4	REV. A
ENTERK PHIL	SCALE 1:10

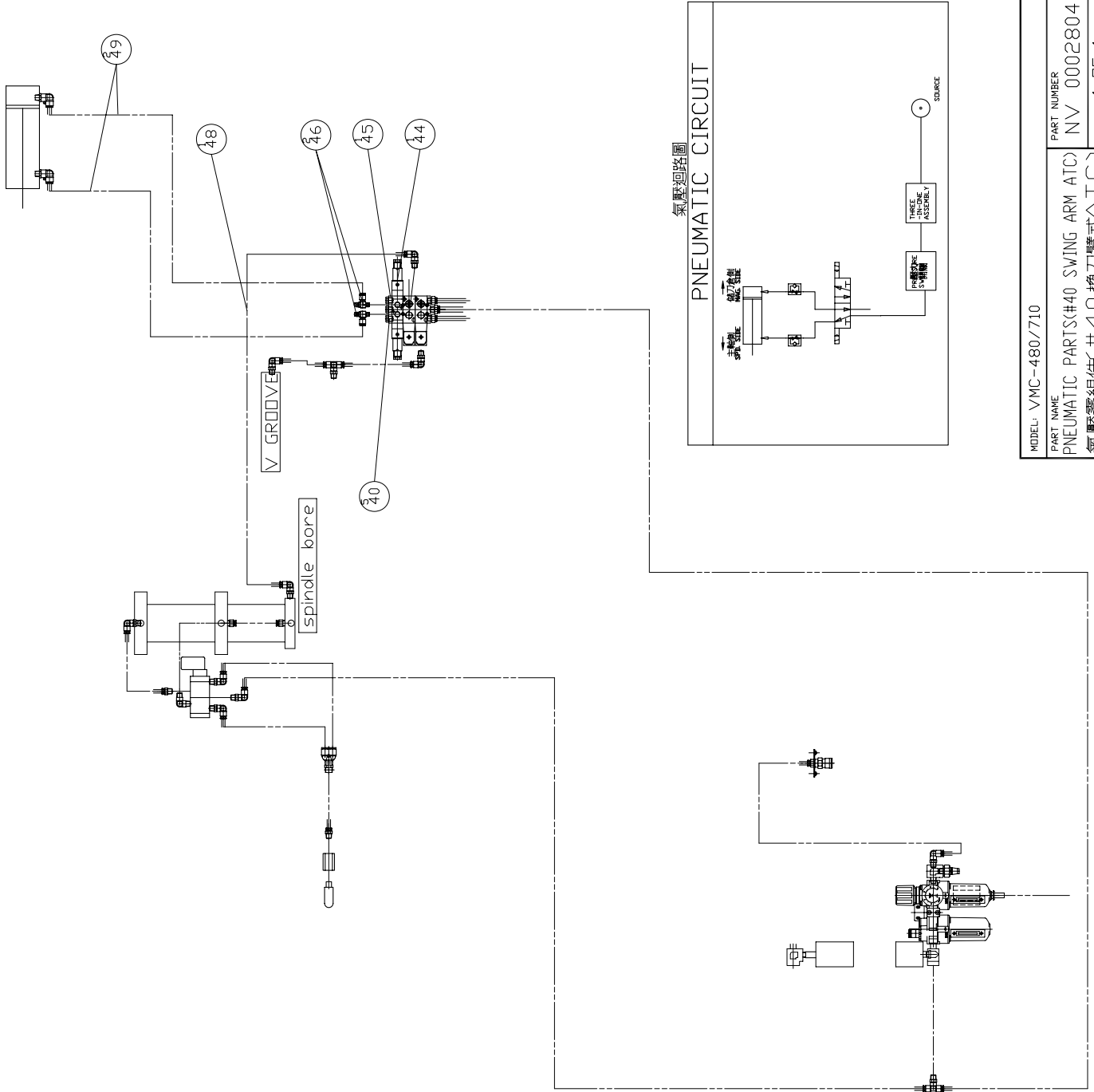
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000280418J

Description: ADD AIR BLASTER ON SPINDLE SID
加裝主軸側吹氣

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00030480101	VALVE, 1/4 2 WAY PNEUMATIC	五口二位單線圈	1/4 SOLENOID VALVE 24V	1.00	EA
2.00	MS 0103419	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL25	3.00	EA
3.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xφ8(JPL8-02)	1.00	EA
4.00	NV 00070070225	TUBING,PNEUMATIC	風壓用管	PU φ8xφ5(MINDMAN)0.55M	1.00	EA
5.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xφ8(JPL8-02)	1.00	EA
6.00	NV 00077031105	PRESTO ADAPTER, TEE	三通快速接頭	PT1/4xφ8(JPD8-02)	1.00	EA
7.00	NV 00077031303	PRESTO ADAPTER, ELBOW(ADJUSTAB	90度彎肘快速接頭(附調整)	PT1/4xφ8(JSC8-02A)	1.00	EA
8.00	NV 00070070201	TUBING,PNEUMATIC	風壓用管	PU φ8xφ5(MINDMAN)2.5 M	1.00	EA
9.00	NV 000499011A	SEAT, SWIECH	開關座	L35xW33.5xH33.5	1.00	EA
10.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
11.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
12.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
13.00	NV 00077032101	PRESTO ADAPTER	夾壁式快速接頭	PT1/4xφ8(CTCMF8-02)	1.00	EA
14.00	NV 00070110104	NOZZLE, COOLANT	冷卻水噴嘴	PT1/4"xφ 1.5x17P	1.00	ST

REV	DESCRIPTION	DATE	ECN
A	釋放	2007/5/17	579



MODEL: VMC-480/710

PART NAME

PNEUMATIC PARTS(#40 SWING ARM ATC)

氣壓零組件(#40 換刀臂式ATC)

PART NUMBER

NV 000280437L

PAGE 1 OF 1

REV. A

DATE 2004/9/16

SCALE 1:15

PRODUCT BOM MASTER AND SUB-ITEMS LIST

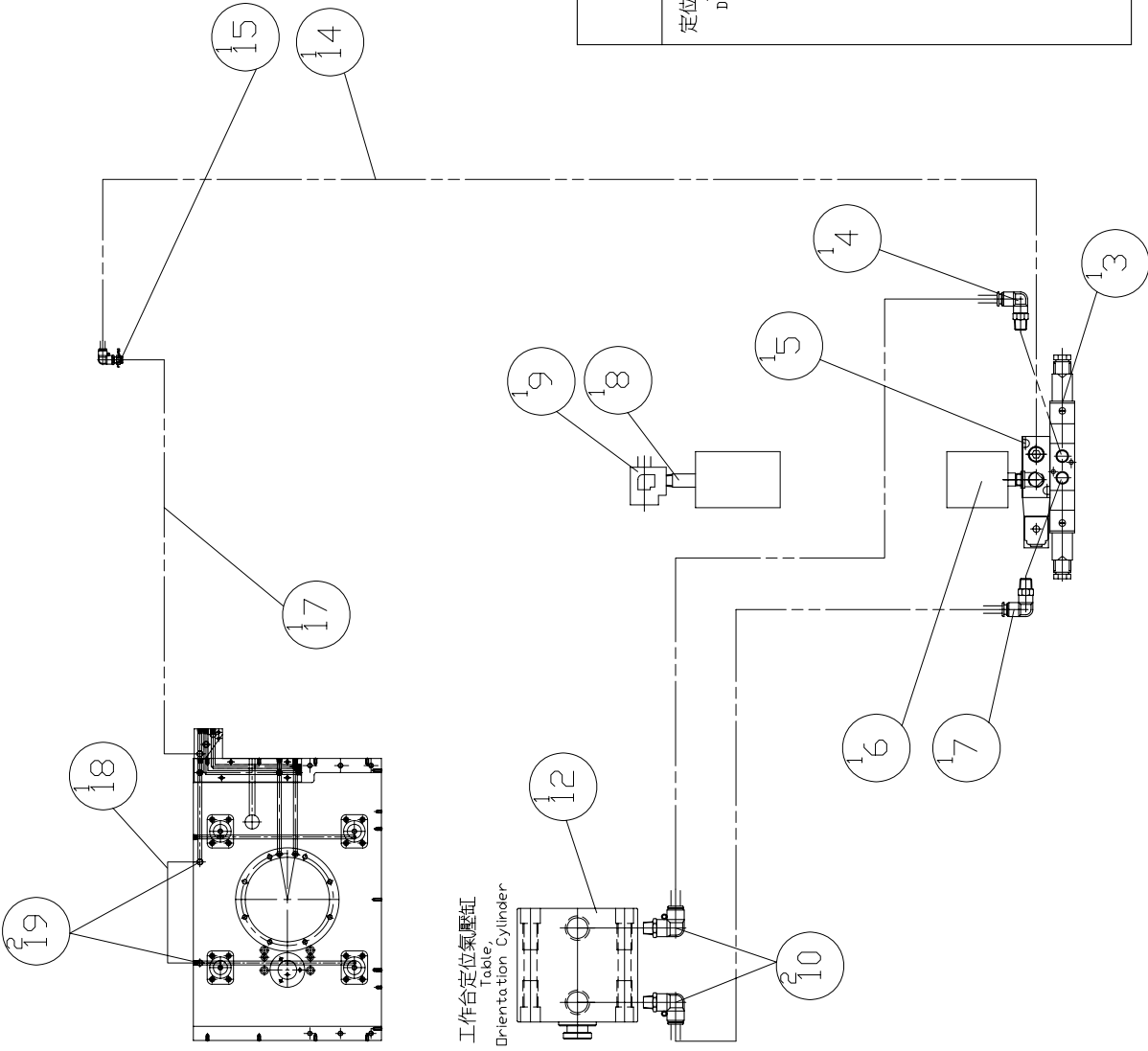
Master Item Part NO.: NV 000280437L

Description: PNEUMATIC PARTS(SWING ARM ATC)
氣壓零組件(SWING ARM ATC)

=====

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
40.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	5.00	EA
44.00	NV 00030480107	VALVE, 1/4 2 WAY PNEUMATIC	五口二位雙線圈	1/4 MVSD-260-4E2-DC 24V	1.00	EA
45.00	NV 001023409A	MANIFOLD, PNEUMATIC	歧塊,三聯電磁閥用 M3	M3	1.00	EA
46.00	NV 00077031302	PRESTO ADAPTER, ELBOW(ADJUSTAB	90度彎肘快速接頭(附調速)	PT1/4xΦ10(JDSC10-02B)	2.00	EA
48.00	NV 00070070202	TUBING, PNEUMATIC	風壓用管	PU Φ8xΦ5(MINDMAN)2.3 M	1.00	EA
49.00	NV 00070070235	TUBING,PNEUMATIC	風壓用管	PU Φ 10xΦ 6.5(MINDMAN)2.19M	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	釋放第二台機頭(使用)	2007/8/8	579

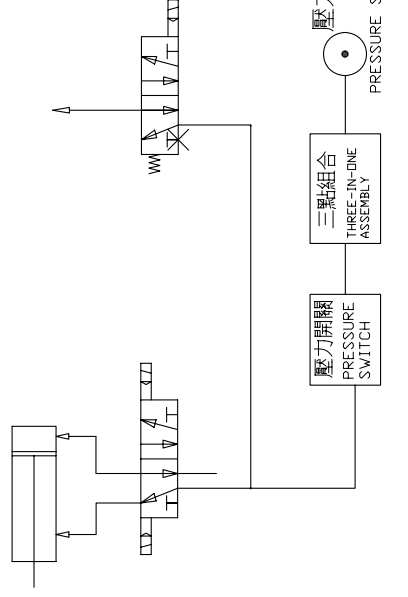


氣壓迴路圖 PNEUMATIC CIRCUIT

定位銷下降
Down Orientation Cylinder

定位銷上升
Up

工作台錐形座吹氣
Table, Cone Blast



MODEL: DT-480 / VMC-480

PART NAME
PNEUMATIC PARTS(APC)

氣壓零組件(APC)

DATE: 2005/12/23

SCALE: 1:8

REV: A

PART NUMBER
NVA000280439J

PAGE: 1 OF 1

REV: A

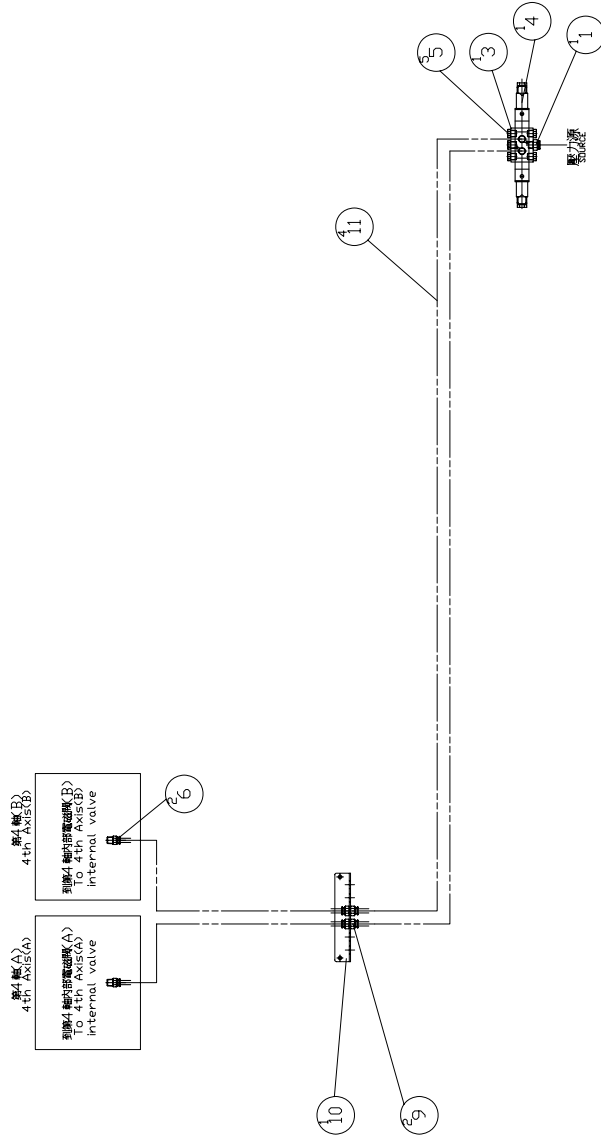
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVA000280439J

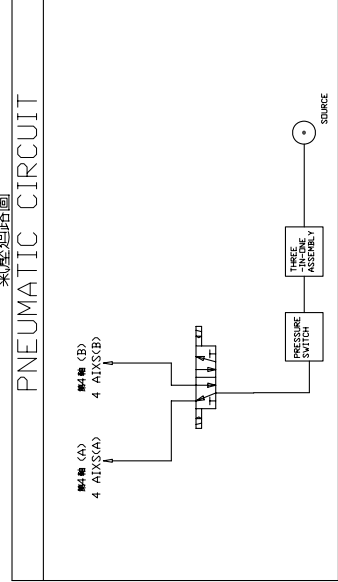
Description: PNEUMATIC PARTS(APC)
氣壓零組件(APC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
3.00	NV 00030480107	VALVE, 1/4 2 WAY PNEUMATIC	五口二位雙線圈	1/4 MVSD-260-4E2-DC 24V	1.00	EA
4.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xφ8(JPL8-02)	1.00	EA
5.00	NV 00030480101	VALVE, 1/4 2 WAY PNEUMATIC	五口二位單線圈	1/4 SOLENOID VALVE 24V	1.00	EA
6.00	NV 00117360101	PRESSURE SWITCH(KP35)	壓力開關	0.2~7kg/cm2 1/4	1.00	EA
7.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xφ8(JPL8-02)	1.00	EA
8.00	NV 00077030220	PIPE	2吋牙管	PT1/4xPT1/4x2"L(WEU-02-2)	1.00	EA
9.00	NV 00077031602	TEE ADAPTER, FEMALE&MALE	內外牙三通	PT1/4"(male)xPT1/4"(female)xPT	1.00	EA
10.00	NV 00070070227	TUBING, PNEUMATIC	風壓用管	PU φ 10xφ 6.5(MINDMAN)0.22M	2.00	EA
12.00	NV 000291736J	ORIENTATION CYLINDER	定位汽缸	MCJS-11-50-20M(附SWITCHx2個)	1.00	EA
14.00	NV 00070070230	TUBING, PNEUMATIC	風壓用管	PU φ 10xφ 6.5(MINDMAN)1.6M	1.00	EA
15.00	NV 00077030819	STRAIGHT ADAPTER-φ 10	直型夾臂接頭	SPM 8	1.00	EA
17.00	NV 00070070230	TUBING, PNEUMATIC	風壓用管	PU φ 10xφ 6.5(MINDMAN)1.6M	1.00	EA
18.00	NV 00070070227	TUBING, PNEUMATIC	風壓用管	PU φ 10xφ 6.5(MINDMAN)0.22M	1.00	EA
19.00	NV 00077030706	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xφ 10(JPL10-02)	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	評価方針	2007/31	



氣壓迴路圖
PNEUMATIC CIRCUIT



MODEL: GX480 DT APC / GX480 DT APC	PART NUMBER	REV. A
PART NAME	NV 000280449J	SCALE 1:1.5
PNEUMATIC PARTS<APC+4th axis>	PAGE 1 OF 1	DATE 2007/6/21
氣壓組件<APC+4th axis>	REV. A	DATE 2007/6/21

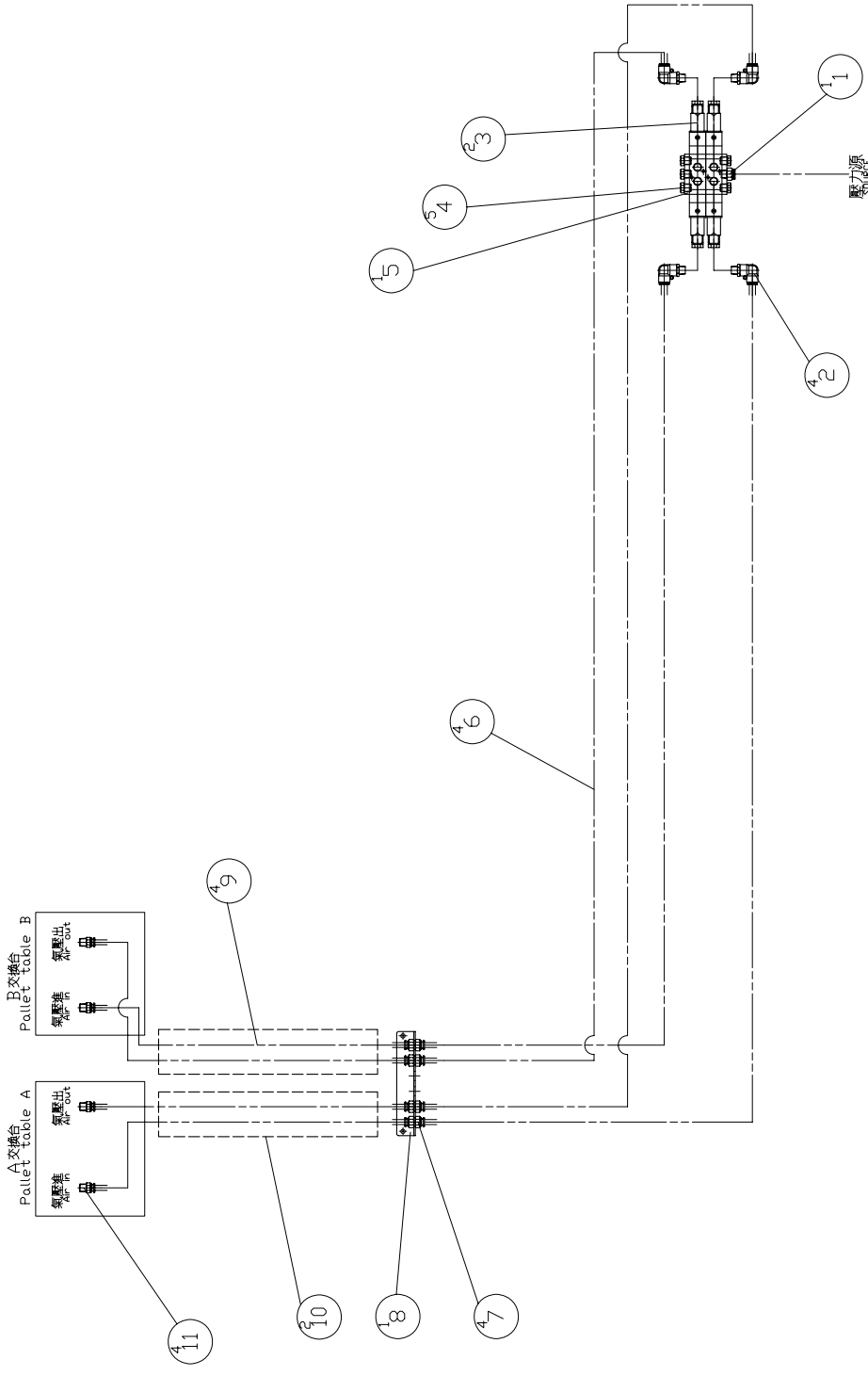
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000280449J

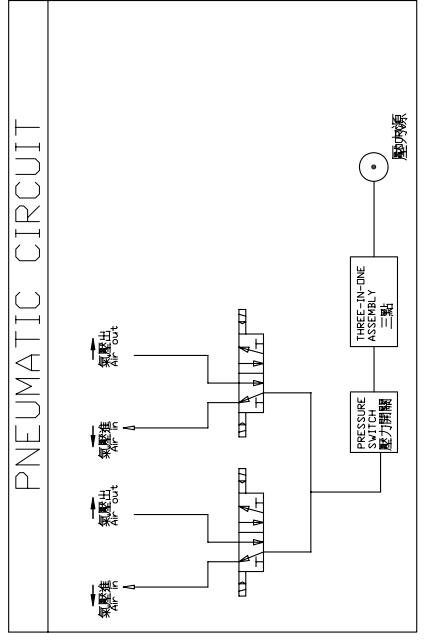
Description: PNEUMATIC PARTS(480APC-4 Axis)
氣壓管路(480APC第4軸)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00077030802	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4xΦ12	1.00	EA
3.00	NV 001023407A	MANIFOLD, PNEUMATIC	歧塊,一聯電磁閥用 M1	M1	1.00	EA
4.00	NV 00030480101	VALVE, 1/4 2 WAY PNEUMATIC	五口二位單線圈	1/4 SOLENOID VALVE 24V	1.00	EA
5.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	5.00	EA
6.00	NV 00077030536	CONNECTOR,PISCO	PISCO省力接頭	PAX6-02(PISCO)	2.00	EA
9.00	NV 00077030820	STRAIGHT ADAPTER-Φ10	直型夾臂接頭	JPM8	2.00	EA
10.00	NV 000699096J	SEAT PLATE, APC	氣壓管路座, APC	L119xW40xH30	1.00	EA
11.00	NV 00070070201	TUBING,PNEUMATIC	風壓用管	PU Φ8xΦ5(MINDMAN)2.5 M	4.00	EA

REV	DESCRIPTION	DATE	ENCL
A	圖紙	2007/7/12	6-3-3



氣壓迴路圖



MODEL: VMC480#30 APC / VMC480#40 APC	
PART NAME	PART NUMBER
PNEUMATIC PARTS<APC+4 AIR PIPES>	NV 000280451J
氣壓零件組<APC+4 AIR PIPES>	PAGE 1 OF 1
DATE 2007/7/12	REV. A
JGCK	SCALE 1:15

PRODUCT BOM MASTER AND SUB-ITEMS LIST

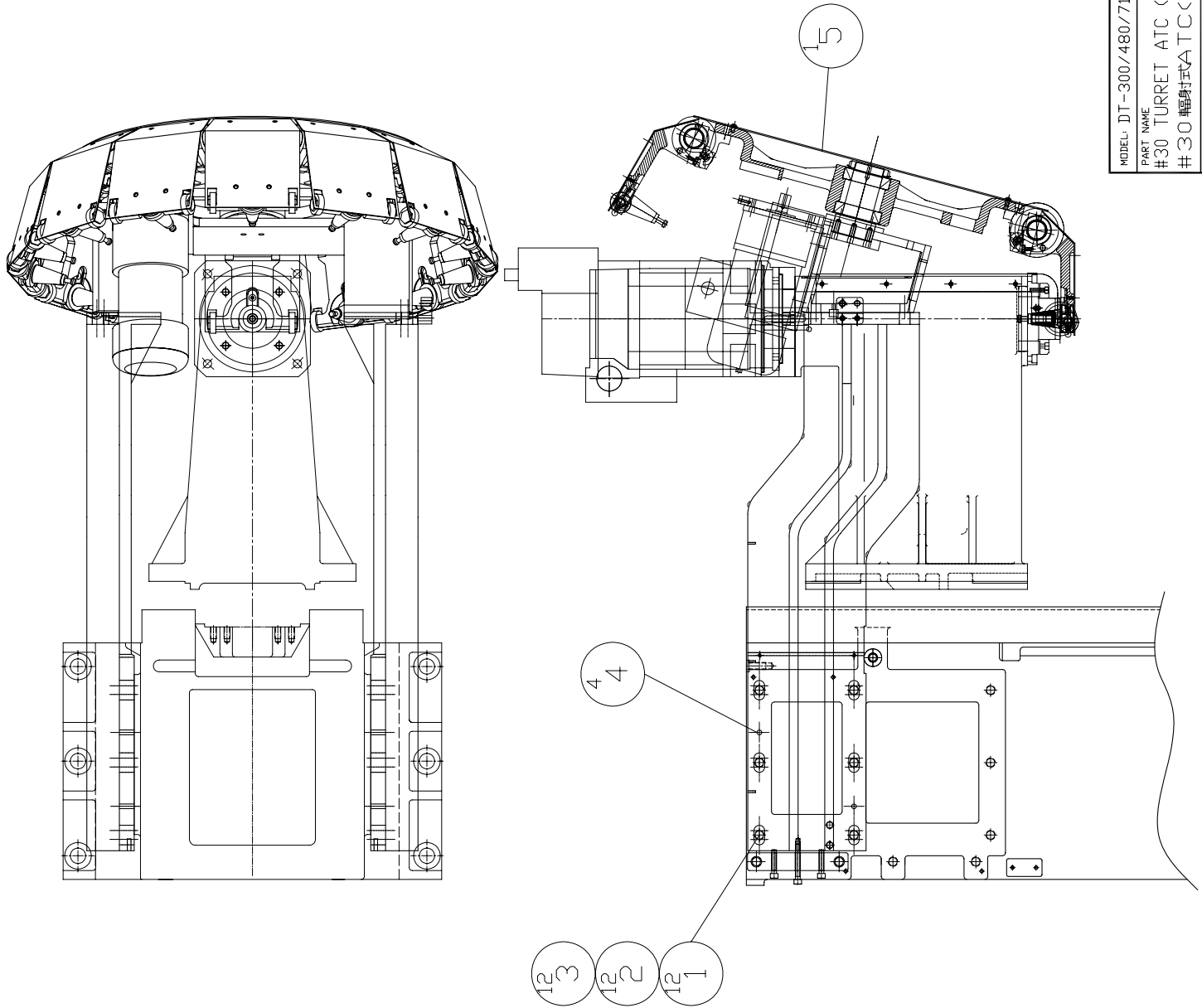
Master Item Part NO.: NV 000280451J
Description: PNEUMATIC PARTS(480APC+4 AIR)
氣壓管路(480APC+4 AIR PIPES)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00077030811	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4xΦ10(JPC10-02)	1.00	EA
2.00	NV 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xΦ8(JPL8-02)	4.00	EA
3.00	NV 00030480107	VALVE, 1/4 2 WAY PNEUMATIC	五口二位雙線圈	1/4 MVSD-260-4E2-DC 24V	2.00	EA
4.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	5.00	EA
5.00	NV 001023401A	MANIFOLD, PNEUMATIC	歧塊, 二聯電磁閥用 M2	M2	1.00	EA
6.00	NV 00070070201	TUBING, PNEUMATIC	風壓用管	PU Φ8xΦ5(MINDMAN)2.5 M	4.00	EA
7.00	NV 00077030820	STRAIGHT ADAPTER-Φ10	直型夾臂接頭	JPM8	4.00	EA
8.01	NV 000699096J	SEAT PLATE, APC	氣壓管路座, APC	L119xW40xH30	1.00	EA
9.00	NV 00070070202	TUBING, PNEUMATIC	風壓用管	PU Φ8xΦ5(MINDMAN)2.3 M	4.00	EA
10.00	NV 00069660025	MATEL FLEXIBLE CONDUITS	防水防爆電氣配管(外覆鋼絲)(兩端僅防刮不加電線接頭)2(2.5M)		2.00	MT
11.00	NV 00077030806	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4X Φ8(JPC8-02)	4.00	EA

Chapter 5

左儲刀倉與主柱聯結
Linkage of Column
and ATC(Left)

REV	DESCRIPTION	DATE	ECN
A	新機	2006/5/30	



MODEL: DT-300/480/710

PART NAME

#30 TURRET ATC (BT30 14 TOOLS)

#30 轉頭式ATC (BT30 14刀)

DATE 2006/5/30

SCALE 1:1

REV. A

PART NUMBER

NVA000310003J

PAGE 1 OF 1

REV. A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

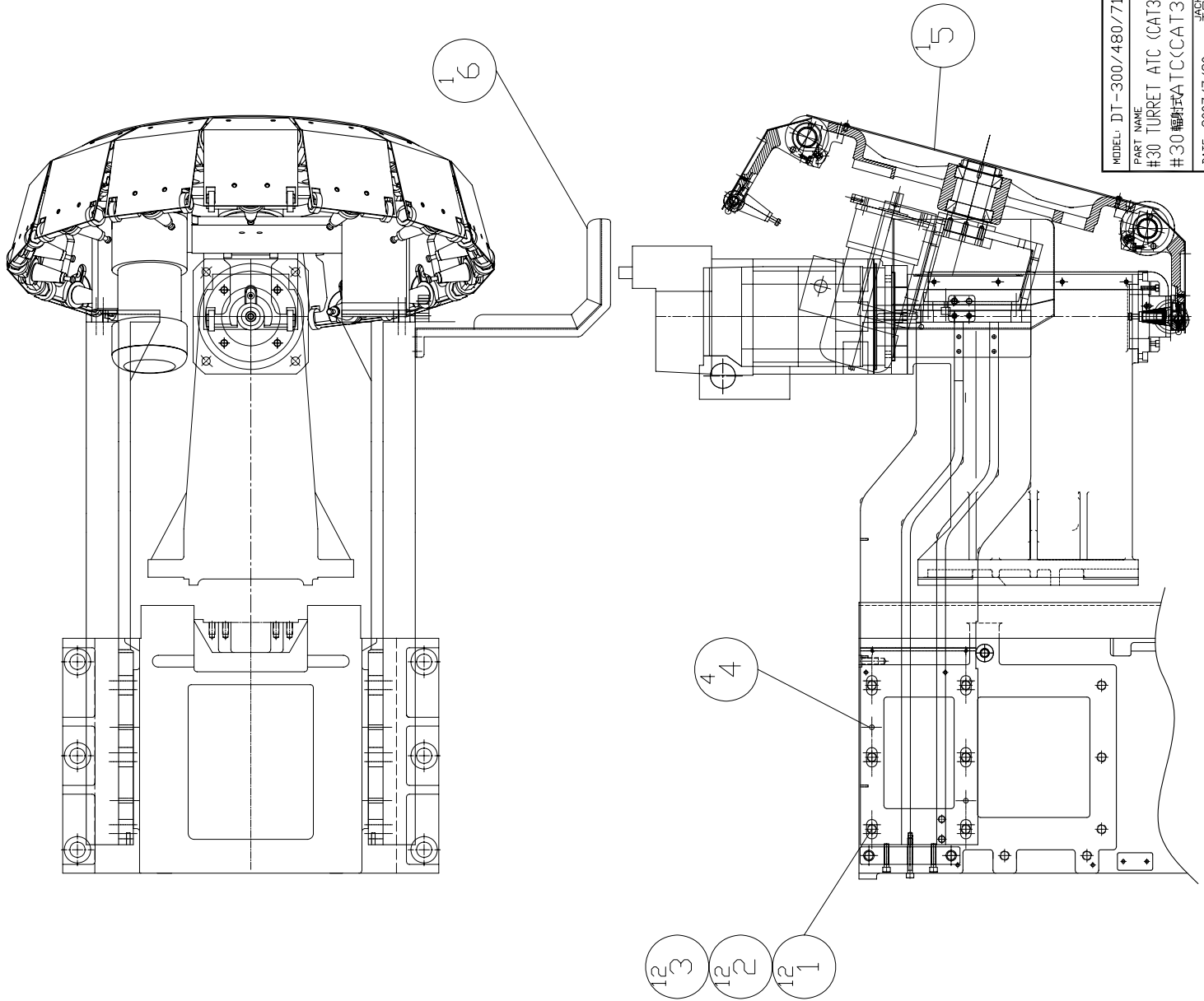
Master Item Part NO.: NVA000310003J

Description: #30 TURRET ATC (BT30 14 TOOLS)
#30輻射式ATC(BT30 14刀)

=====

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000399055A	PLATE	墊塊(M16 washer)	DΦ32xdΦ16.5xf6(M16 washer)	12.00	EA
2.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	12.00	EA
3.00	MS 0104629	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M16xP2.0xL75	12.00	EA
4.00	NV 00032530104	TAPER PIN	斜銷	D8x60L	4.00	EA
5.00	NV 000310049J	TURRET ATC(BT30*14T)	輻射式ATC(BT30*14T)	TR3A-HT06A01(DETA)	1.00	ST

REV	DESCRIPTION	DATE	ECN
A	新機	2007/5/30	



MODEL: DT-300/480/710

PART NAME

#30 TURRET ATC (CAT30/ANSI30 14 TOOLS)

#30 極射式ATCCAT30/ANSI30 14.7)

DATE 2007/7/20

JACK PULL SCALE 1:1

REV. A

PART NUMBER

NV 000310076J

PAGE 1 OF 1

REV. A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

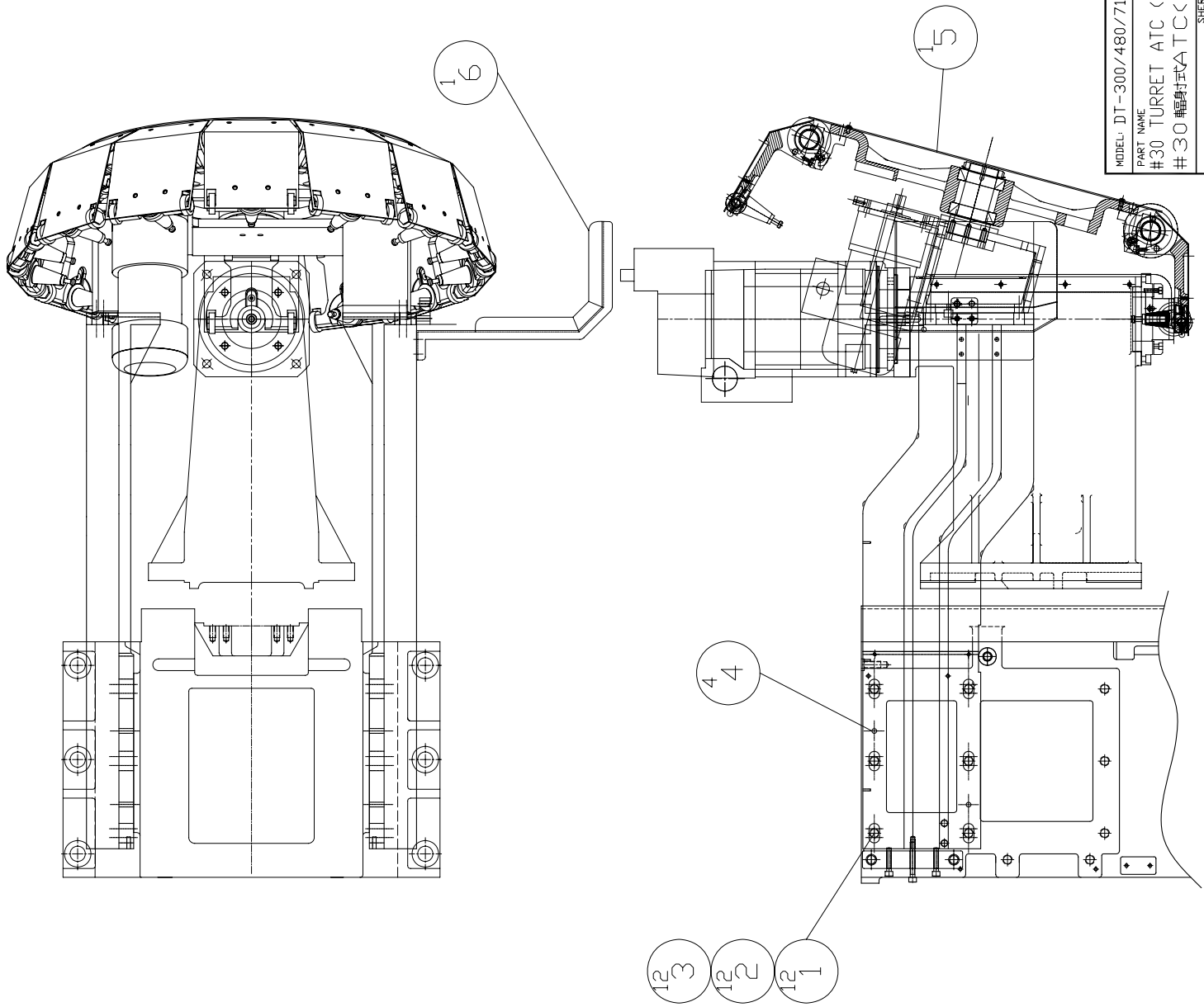
Master Item Part NO.: NV 000310076J

Description: #30 TURRET ATC(CAT/ANSI30 14T)
#30輻射式ATC(CAT/ANSI30 14刀)

=====

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000399055A	PLATE	墊塊(M16 washer)	DΦ32xdΦ16.5xt6(M16 washer)	12.00	EA
2.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	12.00	EA
3.00	MS 0104629	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M16xP2.0xL75	12.00	EA
4.00	NV 00032530104	TAPER PIN	斜銷	D8x60L	4.00	EA
5.00	NV 000310075J	TURRET ATC(CT30/ANSI30*14T)	輻射式ATC(CAT30/ANSI30*14T)	CAT30/ANSI30*14 TOOLS(DETA)	1.00	ST
6.00	NV 000799089J	FIXED GUARD,TURRET ATC	輻射式刀倉護板	332*311*275	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	新機	2006/5/30	



MODEL: DT-300/480/710

PART NAME #30 TURRET ATC (SK30 14 TOOLS)

#30 軸廻り式 ATC (SK30 14刀)

DATE 2006/5/30

PART NUMBER NV 000310052J

PAGE 1 OF 1

REV. A

SCALE 1:1

SHERRY

DATE 2006/5/30

PRODUCT BOM MASTER AND SUB-ITEMS LIST

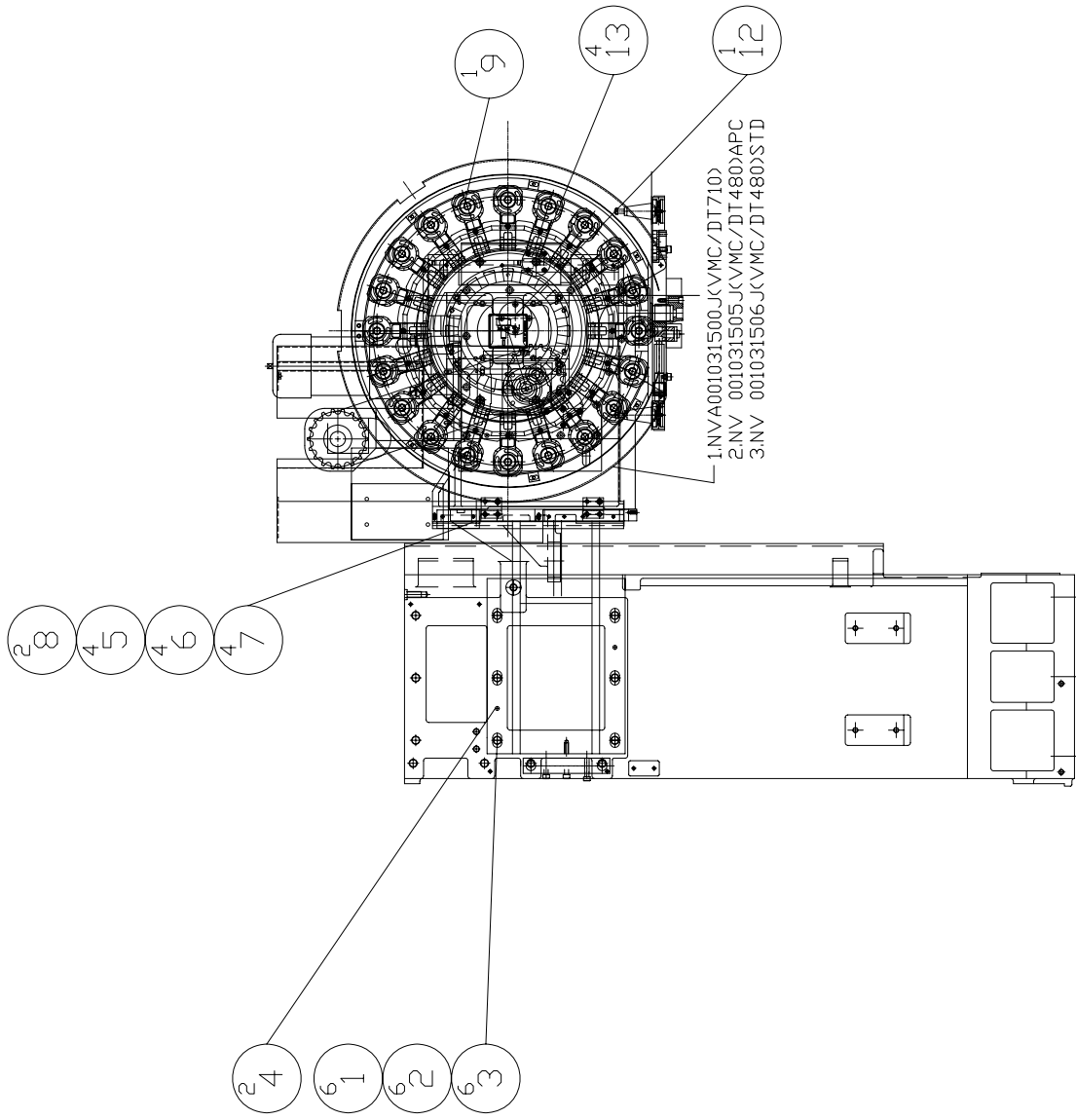
Master Item Part NO.: NV 000310052J

Description: #30 TURRET ATC (SK30 14 TOOLS)

#30輻射式ATC(SK30 14刀)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000399055A	PLATE	墊塊(M16 washer)	DΦ32xdΦ16.5xt6(M16 washer)	12.00	EA
2.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	12.00	EA
3.00	MS 0104629	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M16xP2.0xL75	12.00	EA
4.00	NV 00032530104	TAPER PIN	斜銷	D8x60L	4.00	EA
5.00	NV 000310051J	TURRET ATC(SK30*14T)	輻射式ATC(SK30*14T,DIN69871)	DIN69871#30, 14TOOLS,TURRET	1.00	EA
6.00	NV 000799089J	FIXED GUARD,TURRET ATC	輻射式刀倉護板	332*311*275	1.00	EA
7.00	NV 000310051J	TURRET ATC(SK30*14T)	輻射式ATC(SK30*14T,DIN69871)	DIN69871#30, 14TOOLS,TURRET	1.00	EA

REV	DESCRIPTION	DATE	ENCL
A	ADD#10.#11.#12	2006/28	00054
B	DEL#10.#11,ADD#13	2006/28	00099



MODEL: VMC-480/710/300#30	
PART NAME	PART NUMBER
#30 SWING ARM ATC (BT30 20 TOOLS)	NV 000310000J
#30 换刀臂式ATC<BT30 20刀>	PAGE 1 OF 1
DATE 2004/9/13	SCALE 1:15
DATE 2004/9/13	REV. B

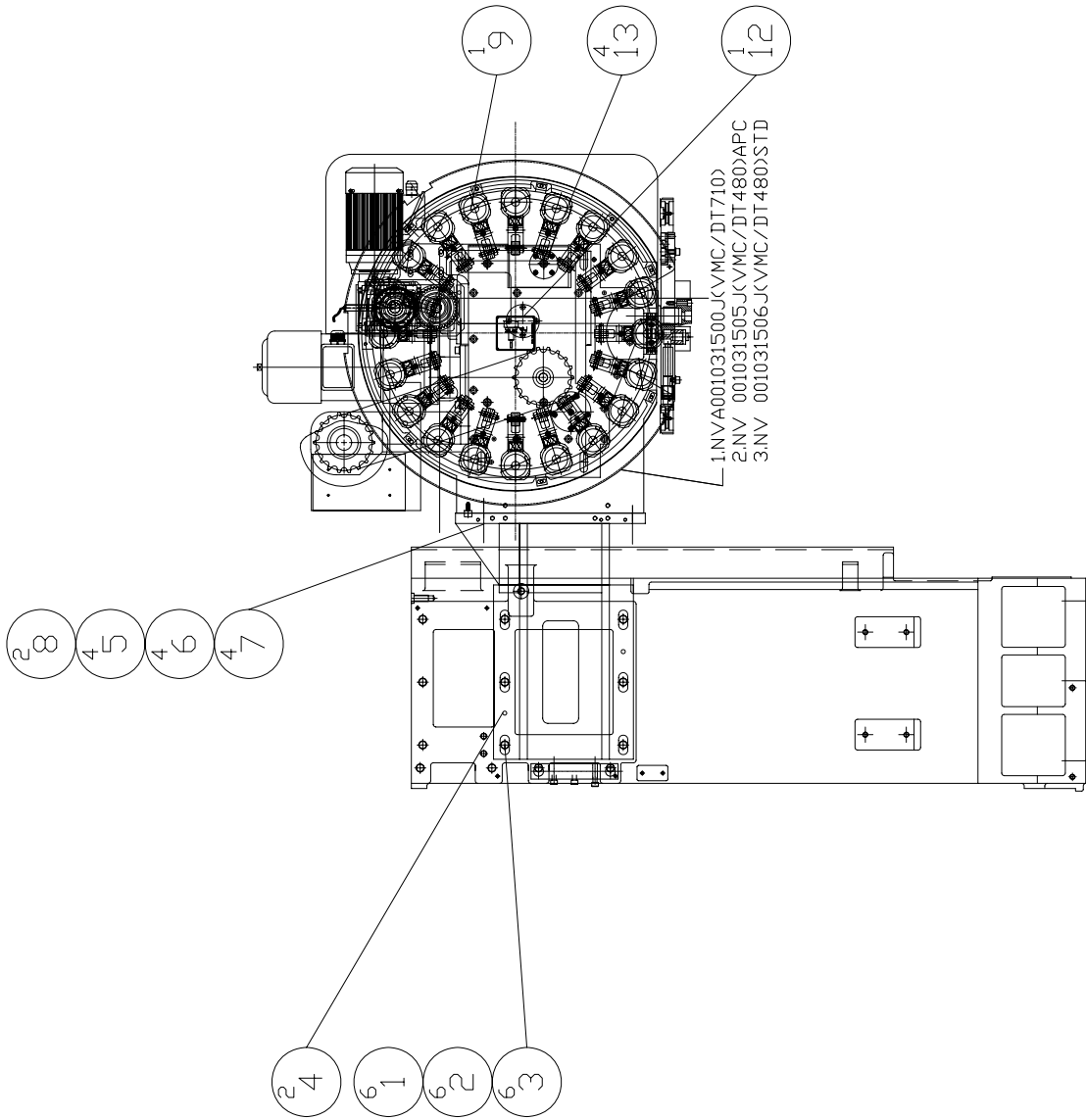
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000310000J

Description: #30 SWING ARM ATC (BT30 20 TOO
#30換刀臂式ATC(BT30 20刀)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0104624	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M16xP2xL50	6.00	EA
2.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	6.00	EA
3.00	NV 000399055A	PLATE	墊塊(M16 washer)	Dφ32xdφ16.5xtf6(M16 washer)	6.00	EA
4.00	NV 00032530107	TAPER PIN	斜銷(內牙M5x0.8x16深)	D8x45L(M5x0.8xH16)	2.00	EA
5.00	MS 0104624	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M16xP2xL50	4.00	EA
6.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	4.00	EA
7.00	NV 000399055A	PLATE	墊塊(M16 washer)	Dφ32xdφ16.5xtf6(M16 washer)	4.00	EA
8.00	NV 00032530107	TAPER PIN	斜銷(內牙M5x0.8x16深)	D8x45L(M5x0.8xH16)	2.00	EA
9.00	NV 000310010J	MAGAZINE SWING ARM ATC(BT30/20	圓盤式刀庫(BT30/20T)	S	1.00	EA
12.00	NV 001030360J	TAG, TOOL EXTRACTION HANDLE	刀具拔出柄銘牌(換刀臂)	L76xW76	1.00	EA
13.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA

REV	DESCRIPTION	DATE	ECN
A	ADD#10.#11.#12	2006/5/28	000054
B	DEL#10.#11,ADD#13	2006/6/28	000090
C	#5#NV 000310012.-#VA000310012.J	2007/8/28	742



MODEL: VMC-480/710/300#30	
PART NAME	PART NUMBER
#30 SWING ARM ATC CT/ANSI30 20 TOOLS	NV 000310001J
#30 換刀臂式 TCCT/ANSI30 (20刀)	PAGE 1 OF 1
DATE 2004/9/13	REV. C
SCALE 1:15	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

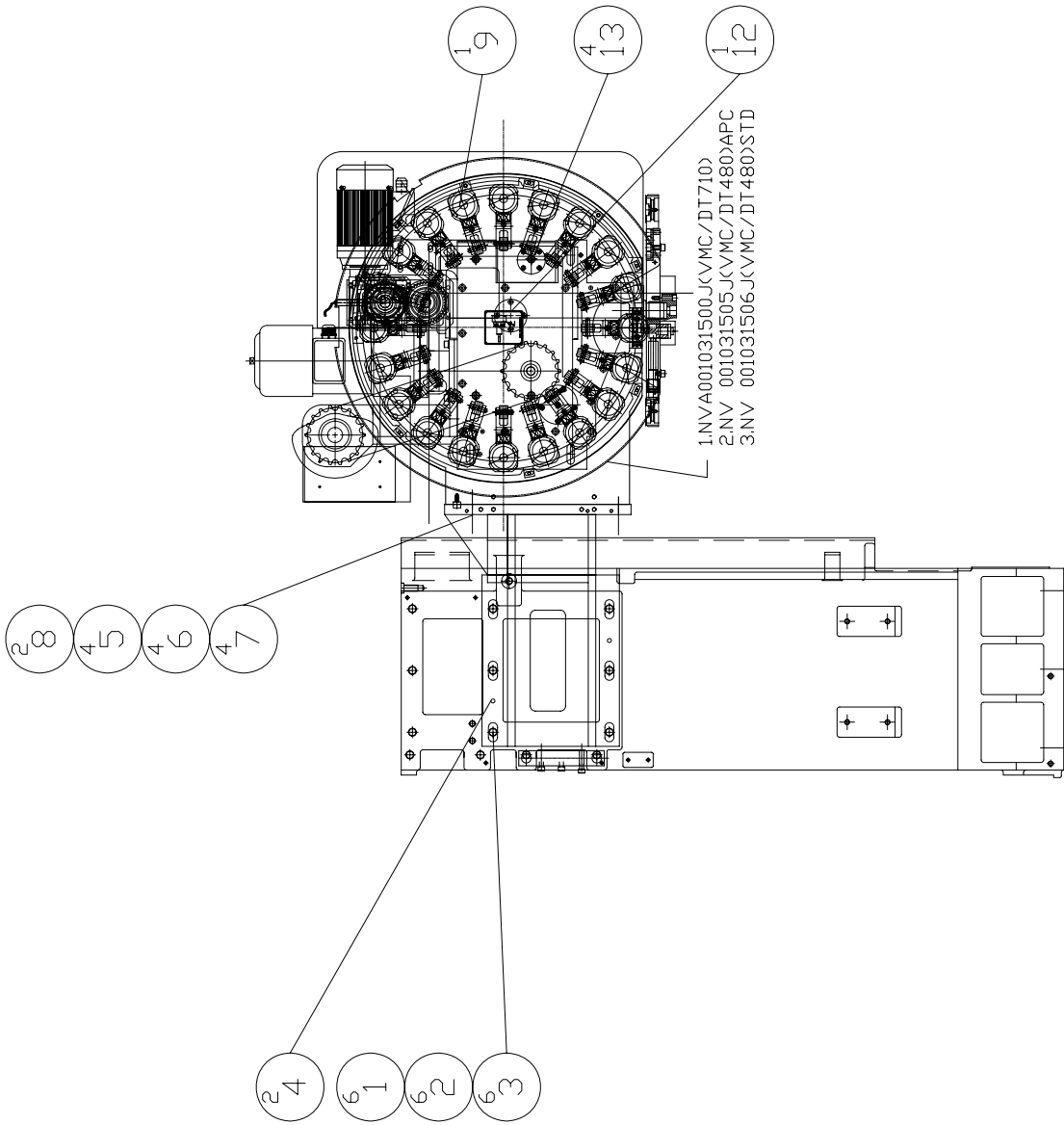
Master Item Part NO.: NV 000310001J

Description: #30 SWING ARM ATC (CT/ANSI30 2

#30換刀臂式ATC(CT/ANSI30 20刀)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0104624	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M16xP2xL50	6.00	EA
2.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	6.00	EA
3.00	NV 000399055A	PLATE	墊塊(M16 washer)	DΦ32xdΦ16.5xf6(M16 washer)	6.00	EA
4.00	NV 00032530107	TAPER PIN	斜銷(內牙M5x0.8x16深)	D8x45L(M5x0.8xH16)	2.00	EA
5.00	MS 0104624	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M16xP2xL50	4.00	EA
6.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	4.00	EA
7.00	NV 000399055A	PLATE	墊塊(M16 washer)	DΦ32xdΦ16.5xf6(M16 washer)	4.00	EA
8.00	NV 00032530107	TAPER PIN	斜銷(內牙M5x0.8x16深)	D8x45L(M5x0.8xH16)	2.00	EA
9.00	NV 000310012J	MAGAZINE SWING ARM ATC(CAT30/A	圓盤式刀庫(CAT30/ANSI30/20T)	S	1.00	EA
12.00	NV 001030360J	TAG, TOOL EXTRACTION HANDLE	刀具拔出柄銘牌(換刀臂)	L76xW76	1.00	EA
13.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA

REV	DESCRIPTION	DATE	ECN
A	ADD#10.#11.#12	2006/5/28	000054
B	DEL#10.#11,ADD#13	2006/6/28	000090
C	#%NV_000310023.-NV400310023.J	2007/8/22	742



MODEL: VMC-480/710/300#30	
PART NAME	PART NUMBER
#30 SWING ARM ATC SK30 20 TOOLS)	NV 000310002J
#30 換刀臂式ATC<<SK30 20刀>	PAGE 1 OF 1
DATE 2004/9/13	SCALE 1:15
DATE 2004/9/13	REV. C

PRODUCT BOM MASTER AND SUB-ITEMS LIST

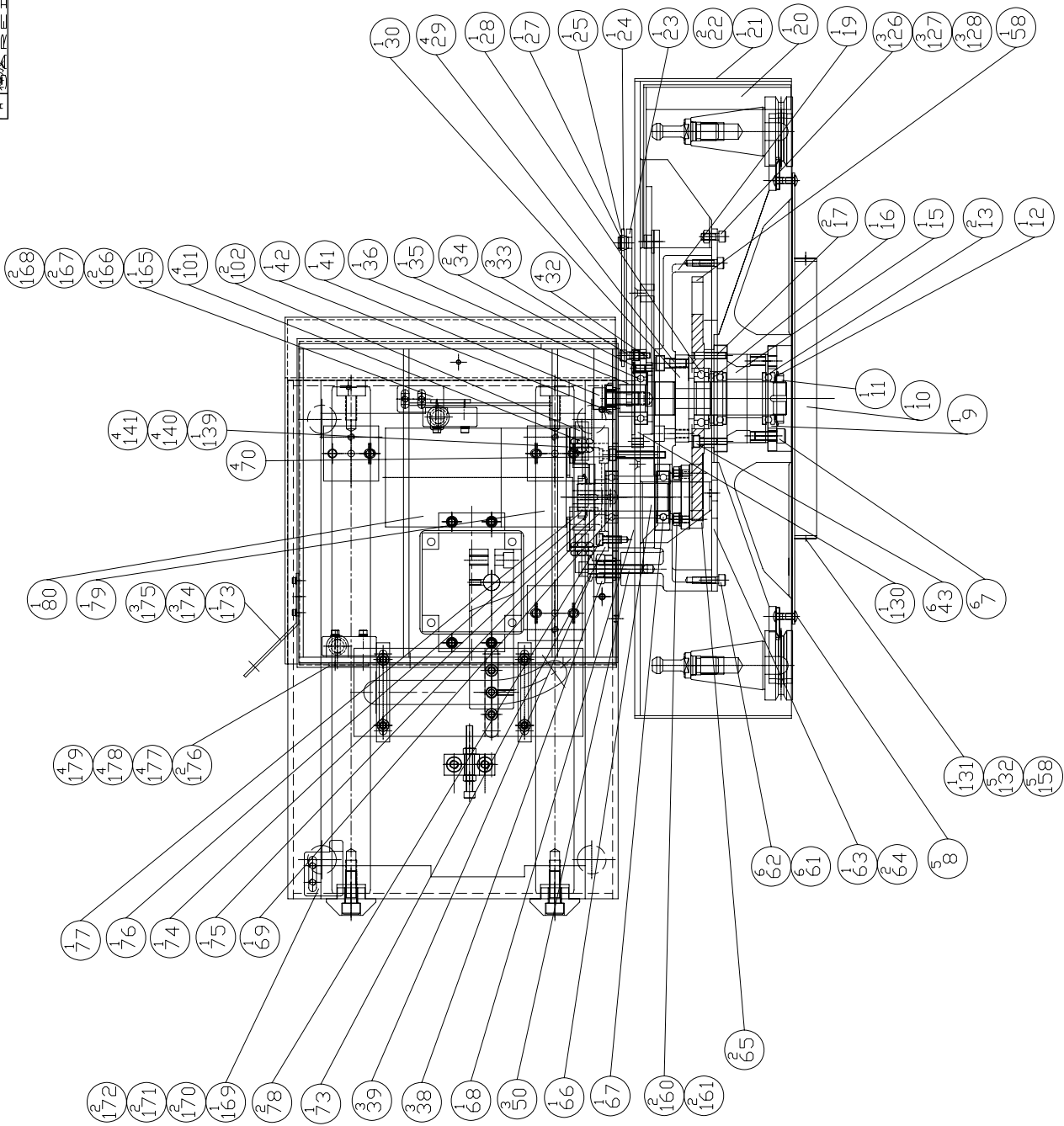
Master Item Part NO.: NV 000310002J

Description: #30 SWING ARM ATC (SK30 20 TOO

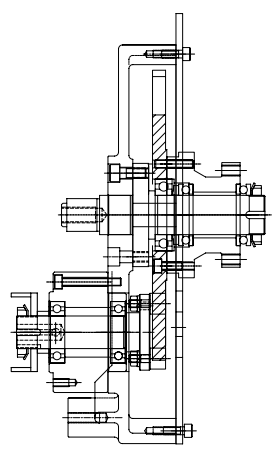
#30換刀臂式ATC(SK30 20刀)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0104624	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M16xP2xL50	6.00	EA
2.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	6.00	EA
3.00	NV 000399055A	PLATE	墊塊(M16 washer)	DΦ32xdΦ16.5xt6(M16 washer)	6.00	EA
4.00	NV 00032530107	TAPER PIN	斜銷(內牙M5x0.8x16深)	D8x45L(M5x0.8xH16)	2.00	EA
5.00	MS 0104624	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M16xP2xL50	4.00	EA
6.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	4.00	EA
7.00	NV 000399055A	PLATE	墊塊(M16 washer)	DΦ32xdΦ16.5xt6(M16 washer)	4.00	EA
8.00	NV 00032530107	TAPER PIN	斜銷(內牙M5x0.8x16深)	D8x45L(M5x0.8xH16)	2.00	EA
9.00	NV 000310023J	MAGAZINE SWING ARM ATC (SK30)/	圓盤式刀庫(DIN(SK30)/20T)	S	1.00	EA
12.00	NV 001030360J	TAG, TOOL EXTRACTION HANDLE	刀具拔出柄銘牌(換刀臂)	L76xW76	1.00	EA
13.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA

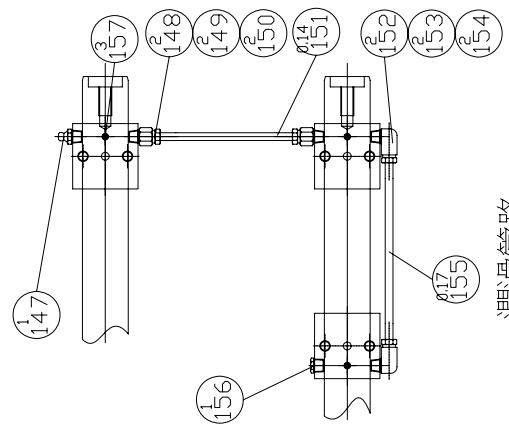
REV	DESCRIPTION	DATE	ECN
A	機殼	2007/8/20	579



零件料號(NV 000619902L)



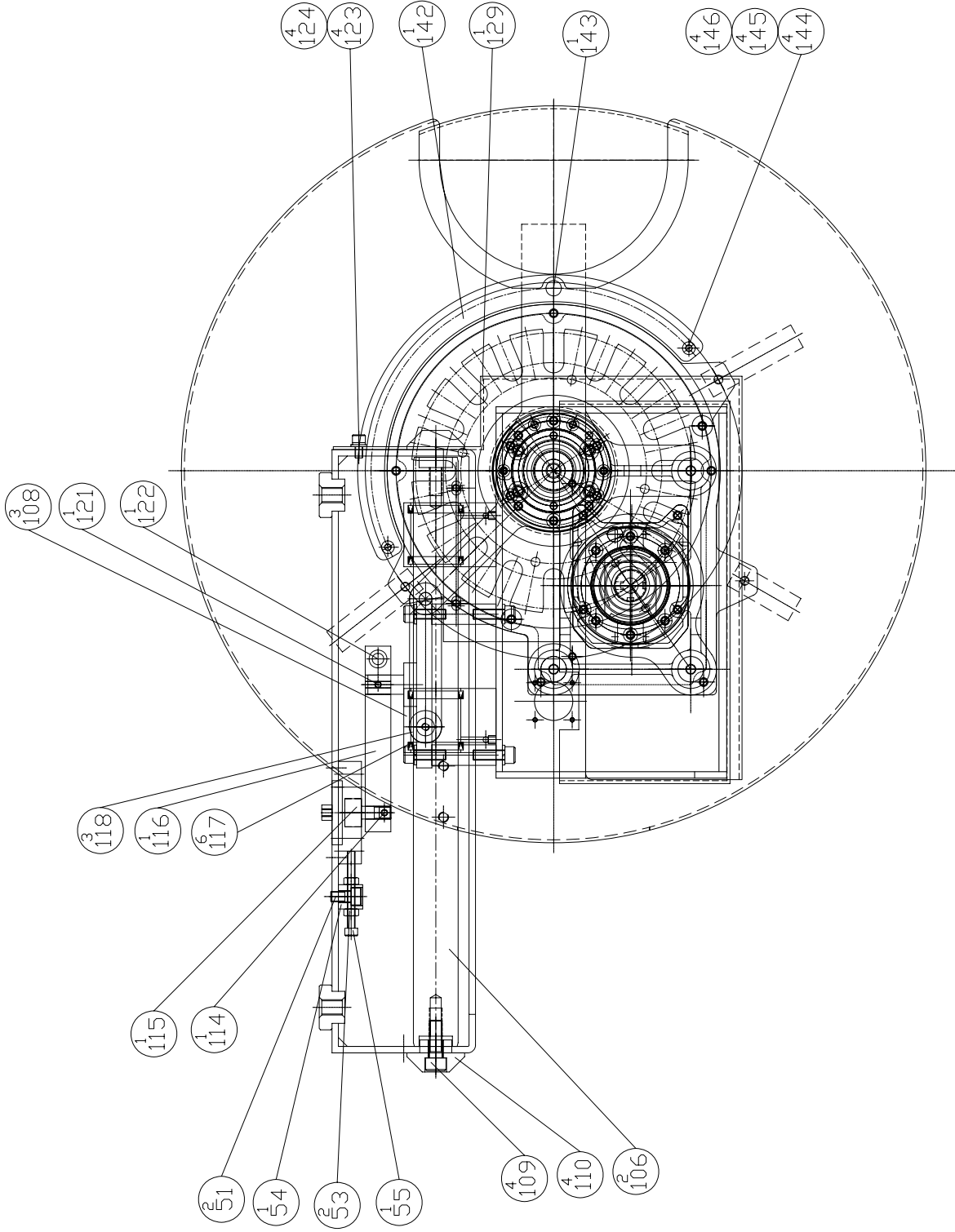
A-VIEW



潤滑管路
TUBING, LUBRICATION

MODEL: VMC-480/710	SCALE: 1:6
PART NAME: MAGAZINE(#40/16 TOOL) 斗笠式刀倉(#40/16刀)	REV: A
PART NUMBER: NV 000310000L	PAGE: 1 OF 3
DATE: 2004/9/22	

REV	DESCRIPTION	DATE	ENL
A	初版発行	2007/8/20	575



MODEL: VMC-480/710

PART NAME
MAGAZINE(#40/16 TOOL)
斗笠式刀倉(#40/16刀)

PART NUMBER
NV 000310000L

PAGE 3 OF 3

REV. A

SCALE 1:5

DATE 2004/9/22

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000310000L

Description: MAGAZINE(#40/16 TOOL)
斗笠式刀倉(#40/16刀)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
7.00	MS 0103818	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL20	6.00	EA
8.00	MS 0303614	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M6xP1.0xL8	5.00	EA
9.00	NV 001011534A	COVER PLATE, MAGAZINE	壓板	Φ95xt8	1.00	EA
10.00	NV 001011535L	COVER PLATE, MAGAZINE	封蓋	Φ410xt2.3	1.00	EA
11.00	NV 000049208A	LOCKNUT	鎖緊螺帽	AN06(M30x1.5P)Φ45xt7	1.00	EA
12.00	NV 00090280101	LOCKNUT WASHER	梅花墊圈	AW06(M30x1.5P)Φ49xt1.2	1.00	EA
13.00	NV 00002660401	THRUST BALL BEARING	止推滾珠軸承	51106	2.00	EA
15.00	NV 001117601A	HOUSING, BEARING	軸承座	Φ96x56	1.00	EA
16.00	NV 000179904A	SPACER	間隔環	Φ45x5	1.00	EA
17.00	NV 00032530103	TAPER PIN	斜銷	Φ6x32L	2.00	EA
19.00	NV 000619906L	LEFT GEAR BOX, MAGAZINE	左本體	305x260x88.5	1.00	EA
20.00	NV 000378004L	DOOR, TOOL DISK	16T刀庫閘門	292x210x133.7	1.00	EA
21.00	NV 001011592L	LEFT COVER, TOLLDISK	左16T刀庫蓋	Φ581x142.4	1.00	EA
22.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
23.00	NV 000199094L	PLATE, TOOL DISK DOOR	連接板	160.9x95xt5	1.00	EA
24.00	NV 000199095A	PLATE, TOOL DISK DOOR	連桿	125x25xt3	1.00	EA
25.00	NV 000179905A	SPACER	間隔環	Φ14X3.2	1.00	EA
27.00	NV 00082310203	RING, C-RETAINING	外扣環	S-10	1.00	EA
28.00	NV 00002660301	BALL BEARING	深溝滾珠軸承	6006ZZ	1.00	EA
29.00	MS 0103818	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL20	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
30.00	NV 000403805A	SHAFT	固定軸	Φ79x155.5	1.00	EA
32.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	4.00	EA
33.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
34.00	MS 0303615	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M6xP1.0xL10	2.00	EA
35.00	NV 00002660302	BALL BEARING	深溝滾珠軸承	6005ZZ	1.00	EA
36.00	NV 000179906A	SPACER	間隔環	Φ32x14.5	1.00	EA
38.00	NV 000049209A	NUT	螺帽	26.6x23xt8(M16xP1)	3.00	EA
39.00	NV 000668408A	BOLT, ADJUSTING	調整螺栓	22x19x28	3.00	EA
41.00	MS 0104220	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M12xP1.75xL30	1.00	EA
42.00	NV 000199096A	PLATE	墊塊(M12 washer)	D28xd13xt6 (M12 washer)	1.00	EA
43.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
50.00	MS 0103824	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL50	3.00	EA
51.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	2.00	EA
53.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	2.00	EA
54.00	NV 000399073A	BLOCK, ADJUSTING	調整塊	46x19x19	1.00	EA
55.00	MS 0133626	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1xL60(FULL THREAD)	1.00	EA
58.00	NV 000026702L	GENEVA INDEX, MAGAZINE	16等分間歇驅動盤	Φ215.69x11	1.00	EA
61.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
62.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
63.00	NV 001011593L	COVER PLATE, GEAR BOX	本體蓋板	305x314xt5	1.00	EA
64.00	NV 00032530405	SPRING PIN	彈簧銷	Φ6x15	2.00	EA
65.00	NV 00002660501	CAM FOLLOWER	從動凸輪軸承	(IKO)CF 6 B(D16xL28)	2.00	EA
66.00	NV 000403811L	GENVEA SHAFT, MAGAZINE	驅動銷軸	Φ58x102	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
67.00	NV 00002660302	BALL BEARING	深溝滾珠軸承	6005ZZ	1.00	EA
68.00	NV 001117605A	HOUSING, BEARING	撥插軸承座	Φ92x59	1.00	EA
69.00	NV 00002660302	BALL BEARING	深溝滾珠軸承	6005ZZ	1.00	EA
70.00	MS 0103623	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL45	4.00	EA
71.00	MS 0303513	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M5xP0.8xL6	4.00	EA
72.00	NV 001011538L	LEFT COVER PLAT, MAGAZINE	左蓋板	298.6x133x291	1.00	EA
73.00	NVA001066113A	SEAT, MOTOR	馬達座	112x90x35	1.00	EA
74.00	NV 000179910A	SPACER	間隔環	Φ32x9	1.00	EA
75.00	NV 000057101A	DOG, TOOL DISK	位置止檔	Φ60x20	1.00	EA
76.00	NV 00090280103	LOCKNUT WASHER	梅花墊圈	AW05(M25x1.5P)Φ42xt1.2	1.00	EA
77.00	NV 000049211A	LOCKNUT	鎖緊螺帽	AN05(M25xP1.5)Φ38xt7	1.00	EA
78.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
79.00	NV 00022500003	MAG. ROT. REDUCE GEAR BOX	馬達減速機(刀倉旋轉)	M9GA36B (PANASONIC)	1.00	EA
80.00	NV 00022490003	MOTOR OF MAG. ROTATION	單相馬達(刀倉旋轉用)	M9RA40G4W(PANASONIC)	1.00	EA
81.00	MS 0103818	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL20	6.00	EA
82.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	6.00	EA
83.00	MS 0103818	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL20	4.00	EA
84.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	4.00	EA
85.00	NV 00070020148	CONNECTOR	公接頭座	LLP-607-28-16P(鋁鋼)	1.00	EA
86.00	MS 0333315	PAN HEAD PHILIPS SCREW	十字圓頭螺絲	M3xP0.5X10	4.00	EA
87.00	NV 000299000A	PLATE, HOOK	吊耳	110x50xt4	1.00	EA
88.00	MS 0103818	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL20	2.00	EA
89.00	MN 0113810	HEXAGON NUT	六角螺帽	M8xP1.25	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
90.00	NV 000720202L	LEFT SLIDE, MAGAZINE	左滑座	290x290x180	1.00	EA
91.00	NV 001066144L	LEFT SEAT, MAGAZINE SLIDE	左基座	471x112x300	1.00	EA
92.00	NV 001056500L	LEFT GUIDE WAY, MAGAZINE SLIDE	左導槽	208x80x18	1.00	EA
94.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	4.00	EA
95.00	NV 000753302A	KEY	鍵	90x12x8	2.00	EA
96.00	NV 001066115A	SET, MOTOR	馬達墊塊	60x50x16	2.00	EA
97.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
98.00	NV 000753303A	KEY	雙圓滑鍵	50x12x8	1.00	EA
99.00	NV 000179912A	SPACER	間隔環	Φ14x8.5	1.00	EA
100.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	1.00	EA
101.00	MW 0104210	FLAT WASHER	平墊圈	M12(d13xD34)	4.00	EA
102.00	NV 00028340000	PROXIMITY SWITCH	近接開關(二線式 DC24V PNP-NO)	9962-5600 (PULSOTYONIC)	2.00	EA
106.00	NV 000415803L	BAR, SLIDE	滑軌	Φ35x460	2.00	EA
107.00	NV 00102440007	LIMITED SWITCH	微動開關	Z-15GQ21-B (OMRON)	2.00	EA
108.01	NV 001117603A	HOUSING, BEARING	軸承座	50x50x72	3.00	EA
109.00	MS 0104020	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL30	4.00	EA
110.00	NV 000179913A	RINGDOG	固定環	Φ45x25	4.00	EA
114.00	MS 0573517	SET SCREW	固定螺絲	M5xP0.8xL16	1.00	EA
115.00	NV 00002660502	CAM FOLLOWER	從動凸輪軸承	(IKO)CF 10 B(D22xL36)	1.00	EA
116.00	NV 000965300L	ROCKER ARM, LEFT MAGAZINE SLID	左擺臂	145x40x20	1.00	EA
117.00	NV 00101160104	SEAL	油封(斗笠式)溫R	DH35	6.00	EA
118.00	NV 00120690101	BUSHING, OILES	含油軸承	39x35x30(LFB-3530)	3.00	EA
119.00	NV 00022500002	REDUCTION GEAR	馬達減速機(刀倉推出/收回)	M9GC75B(PANASONIC)	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
120.00 NV 00022490002	GEAR MOTOR (FOR MAG. IN/OUT)	單相馬達 (儲刀倉推出/收回用)	M9RC90G4W(PANASONIC)	1.00	ST
121.00 MS 0573515	SET SCREW	固定螺絲	M5xP0.8xL10	1.00	EA
122.00 MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	1.00	EA
123.00 MS 0303615	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M6xP1.0xL10	4.00	EA
124.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
126.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
127.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
128.00 MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	3.00	EA
129.00 NV 001011540L	LEFT COVER, MAGAZINE SLIDE	左護蓋	315x319x300	1.00	EA
130.00 NV 001011547A	COVER, BEARING	軸承蓋	Φ89x17.5L	1.00	EA
131.00 NV 001030259L	LEFT TAG, 16 TOOL NUMBER	左銘板	L800xW19xH0.8	1.00	EA
132.00 NV 00080440101	RIVET	鋁拉釘鴻緯(番號3-1)	Φ2.4xL5.5mm	5.00	EA
133.00 NVA000299058A	PLATE, WIRE MOUNTING	固定板	L140xW80xH30	1.00	EA
134.00 MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	2.00	EA
135.00 MW 0183510	SPRING WASHER	彈簧墊圈	M5	2.00	EA
137.00 MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	4.00	EA
138.00 MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	4.00	EA
139.00 NV 001011548A	COVER, MAGAZING MOTOR	馬達蓋	L112xW90xH2.3	1.00	EA
140.00 MS 0333630	PAN HEAD PHILIPS SCREW	十字圓頭螺絲	M6xP1xL80	4.00	EA
141.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
142.00 NV 000299060L	PLATE, GUIDE	16T滑板	D306xd264xt5	1.00	EA
143.00 NV 000753305A	BLOCK, SUPPORT	支撐塊	Φ21x9L	1.00	EA
144.00 NV 000179917A	SPACER	間隔環	Φ16x12L	4.00	EA

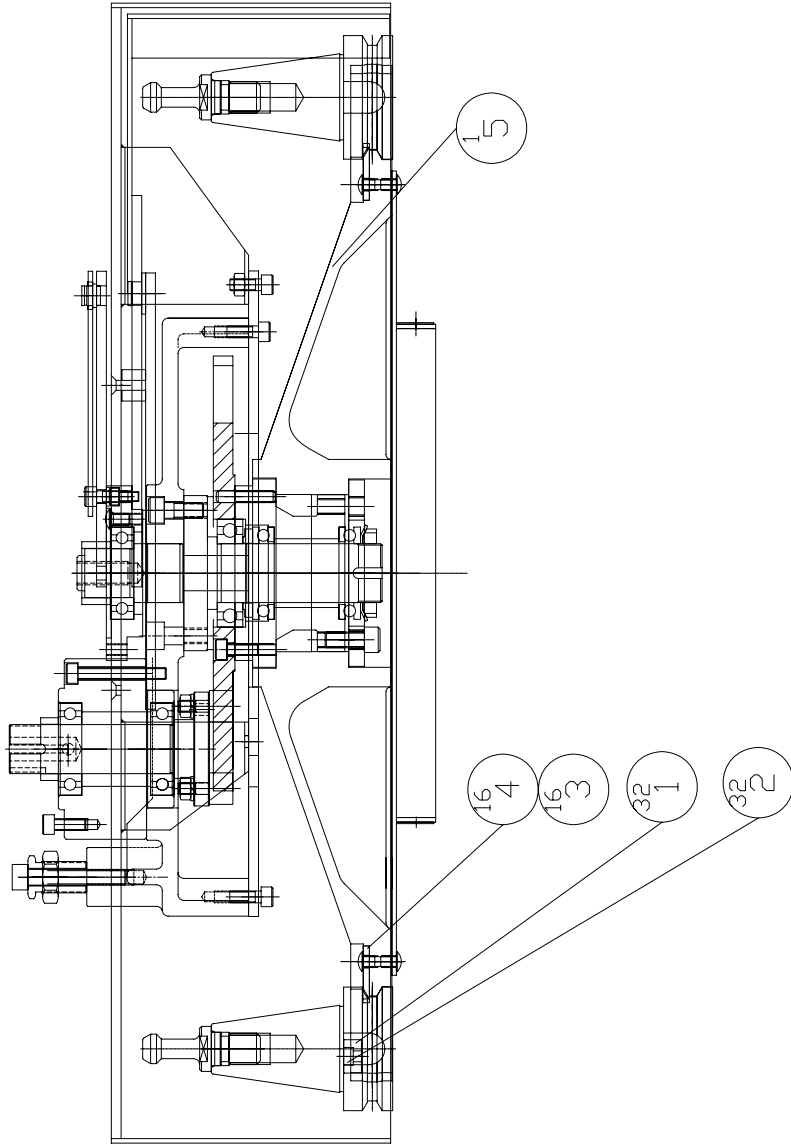
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
145.00	MS 0313420	FLAT HD. SOCKET	六角穴平頭螺絲	M4xP0.7xL30	4.00	EA
146.00	MN 0113410	HEXAGON NUT	六角螺帽	M4xP0.7	4.00	EA
147.00	NV 00077030101	NIPPLE, GREASE FEED	牛油嘴	PT1/8	1.00	EA
148.00	NV 00077031201	BUSHING, BRASS	卜申接頭	PT1/8xM10xP1	2.00	EA
149.00	NV 00077031102	THIMBLE NUT, BRASS	套管帽	M10xΦ6.1	2.00	EA
150.00	NV 00069660401	THIMBLE, BRASS	套管	Φ6	2.00	EA
151.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	.14	MT
152.00	NV 00077031801	ELBOW, BRASS 90DEG MALE&FEMALE	90度內外雙螺紋肘管	PT1/8"xM10	2.00	EA
153.00	NV 00077031102	THIMBLE NUT, BRASS	套管帽	M10xΦ6.1	2.00	EA
154.00	NV 00069660401	THIMBLE, BRASS	套管	Φ6	2.00	EA
155.00	NV 00070070301	TUBING, NYLON	尼龍油管	D6Xd4	.17	MT
156.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	1.00	EA
157.00	MS 0553512	SOC SET, CUP POINT	杯型端固定螺絲	M5xP0.8xL5	3.00	EA
158.00	MW 0103310	FLAT WASHER	平墊圈	M3(D7Xd3)	5.00	EA
159.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	1.00	EA
160.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	2.00	EA
161.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
162.00	NV 001033103A	PLUG	孔塞	D30.5xL12.5	1.00	EA
163.00	NV 001030297A	TAG, MAGAZINE	銘牌	L70xW28	1.00	EA
164.00	NV 00080440101	RIVET	鋁拉釘鴻緯(番號3-1)	Φ2.4xL5.5mm	2.00	EA
165.00	NV 000399080A	DOG(LEFT)	終點定位塊(左)	L42xW39.96xH2.3	1.00	EA
166.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
167.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
168.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
169.00	NV 000399081A	DOG(LEFT)	終點定位塊(左)	L50.57xW35xH2.3	1.00	EA
170.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
171.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
172.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
173.00	NVA000399051A	PLATE	固定板	L90.6xW56.6xH50.5	1.00	EA
174.00	MS 0103314	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M3xP0.5xL8	3.00	EA
175.00	MW 0183310	SPRING WASHER	彈簧墊圈	M3	3.00	EA
176.00	NV 000499001A	PLATE	固定板	L36xW10xH3	2.00	EA
177.00	MS 0103420	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL30	4.00	EA
178.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
179.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	4.00	EA
180.00	NV 000399052A	SEAT, WIRE	電線支撐座	L32xW16xH12	1.00	EA
181.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	1.00	EA
182.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	1.00	EA
183.00	NV 001011594L	COVER	護蓋	L190.6xW130xH2.3	1.00	EA
184.00	MS 0103414	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL8	4.00	EA
185.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA

REV	DESCRIPTION	DATE	ECN
A	採購方交	2007/05/15	579



MODEL: VMC-480/710

PART NAME
MAGAZINE TOOL HOLDER(BT-#40/16 TOOL)

PART NUMBER
NV 000310003L

儲刀倉刀盤及定位塊BT-#40/16刀

PAGE 1 OF 1

DATE 9/22/2004

SCALE 1:4

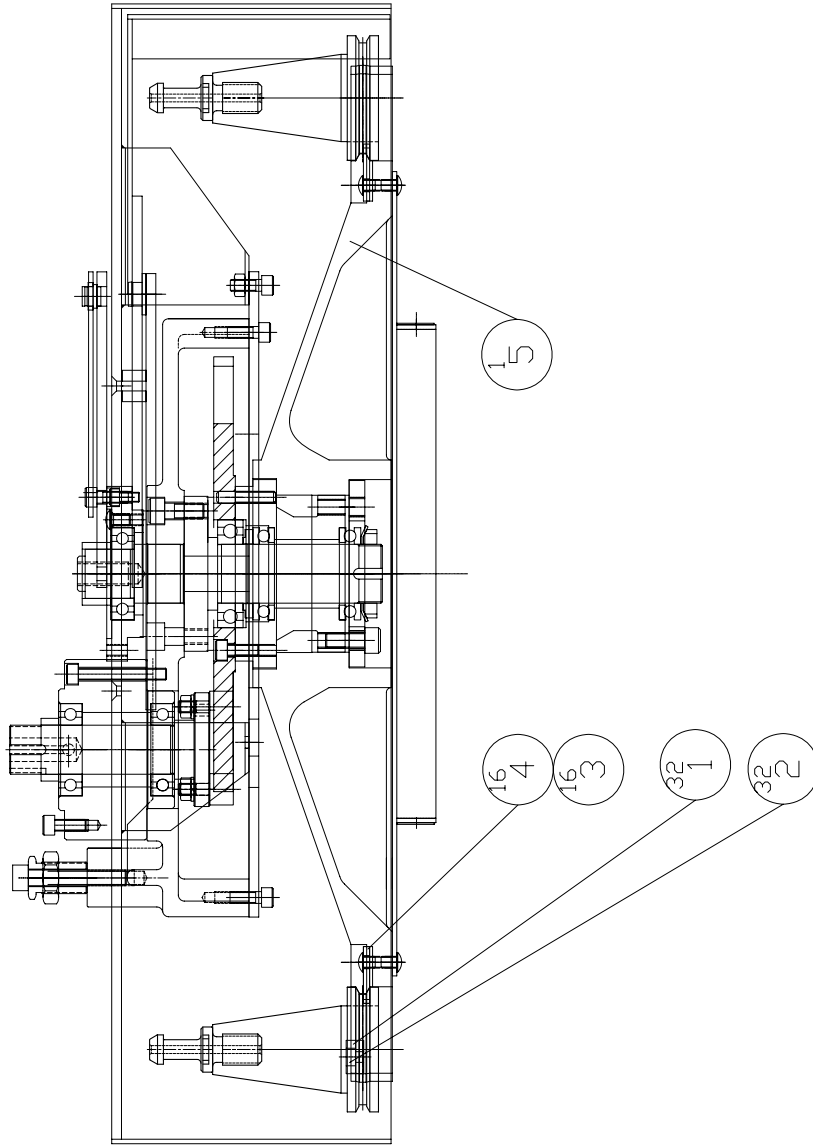
REV. A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000310003L
Description: MAGAZINE TOOL HOLDER(BT-#40/16
儲刀倉刀盤及定位塊(BT-#40/16刀)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000730613A	KEY, MAGAZINE TOOL HOLDER	儲刀倉刀具定位塊	D17xd6xH9(BT/CT)	32.00	EA
2.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	32.00	EA
3.00	NV 000730603A	KEY MAGAZINE	定位鍵	29x16x3.2	16.00	EA
4.00	MS 0303614	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M6xP1.0xL8	16.00	EA
5.00	NV 000807107L	16 TOOL DISK, MAGAZINE	16T刀盤 (BT用)	Φ522x71	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	採購變更	2007/09/14	579



MODEL: VMC-480/710	PART NUMBER	REV. A
PART NAME	NV 000310004L	PAGE 1 OF 1
MAGAZINE TOOL HOLDERCT-#40/16 TOOL)		
儲刀槍刀櫃及定位機CT-#40/16刀)		
DATE 9/22/2004	SCALE 1:4	

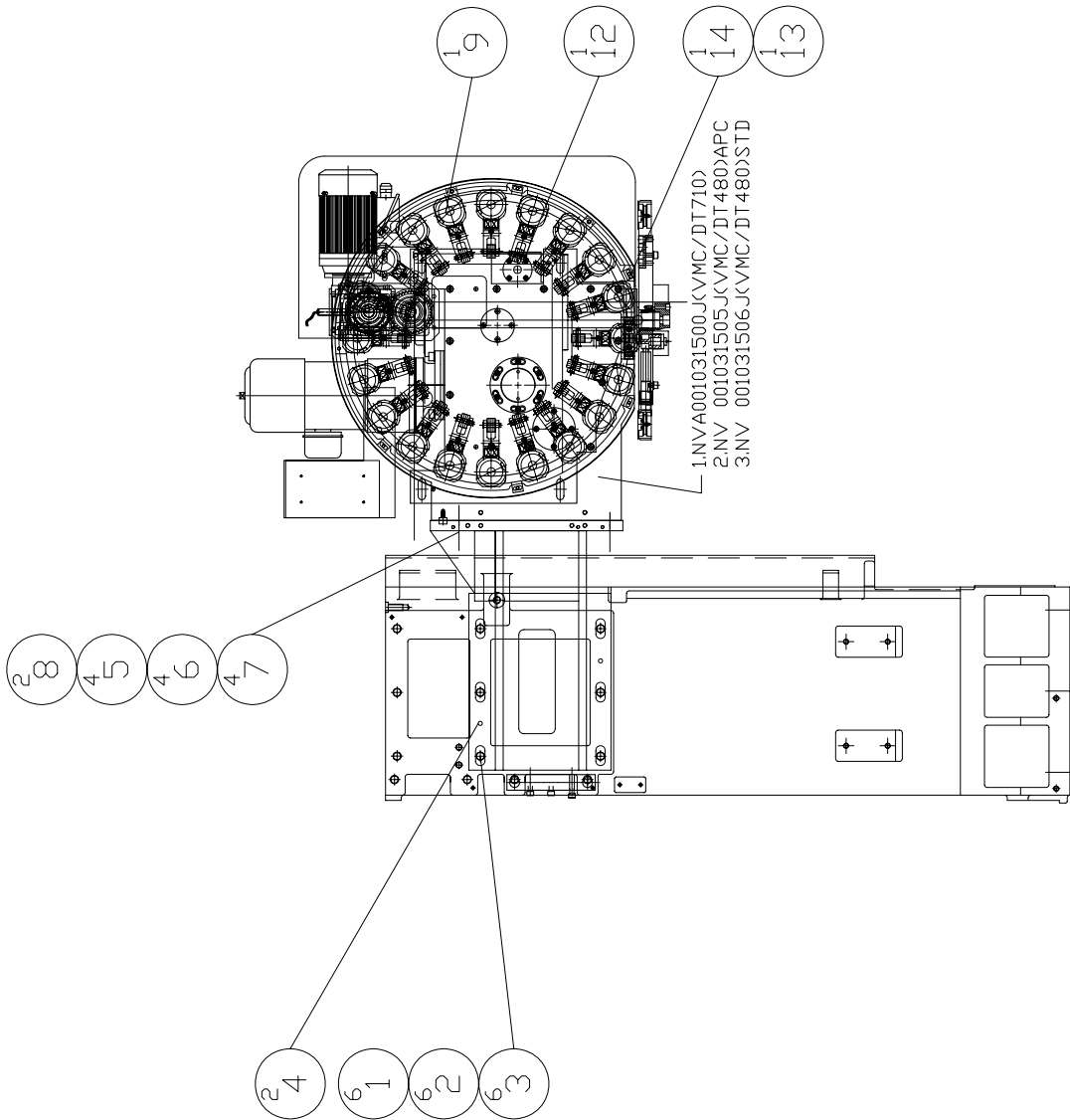
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000310004L

Description: MAGAZINE TOOL HOLDER(CT-#40/16
儲刀倉刀盤及定位塊(CT-#40/16刀)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000730613A	KEY, MAGAZINE TOOL HOLDER	儲刀倉刀具定位塊	D17xd6xH9(BT/CT)	32.00	EA
2.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	32.00	EA
3.00	NV 000730603A	KEY MAGAZINE	定位鍵	29x16x3.2	16.00	EA
4.00	MS 0303614	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M6xP1.0xL8	16.00	EA
5.00	NV 000807108L	16 TOOL DISK, MAGAZINE	16T刀盤(CT用)	Φ522x71	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	ADD#10.#11.#12	2006/5/28	000054
B	DEL#10.#11.ADD#12.#13.#14	2006/6/28	000090
C	#5#NV 000310010L-#1#VA000310010L	2007/8/22	742



MODEL: VMC-480/710

PART NAME

#40 SWING ARM ATC (BT40 20 TOOLS)

#40 换刀臂式ATC<BT40 20刀>

PART NUMBER

NV 000310005L

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REV. C

SCALE 1:15

DATE 9/13/2004

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P-111

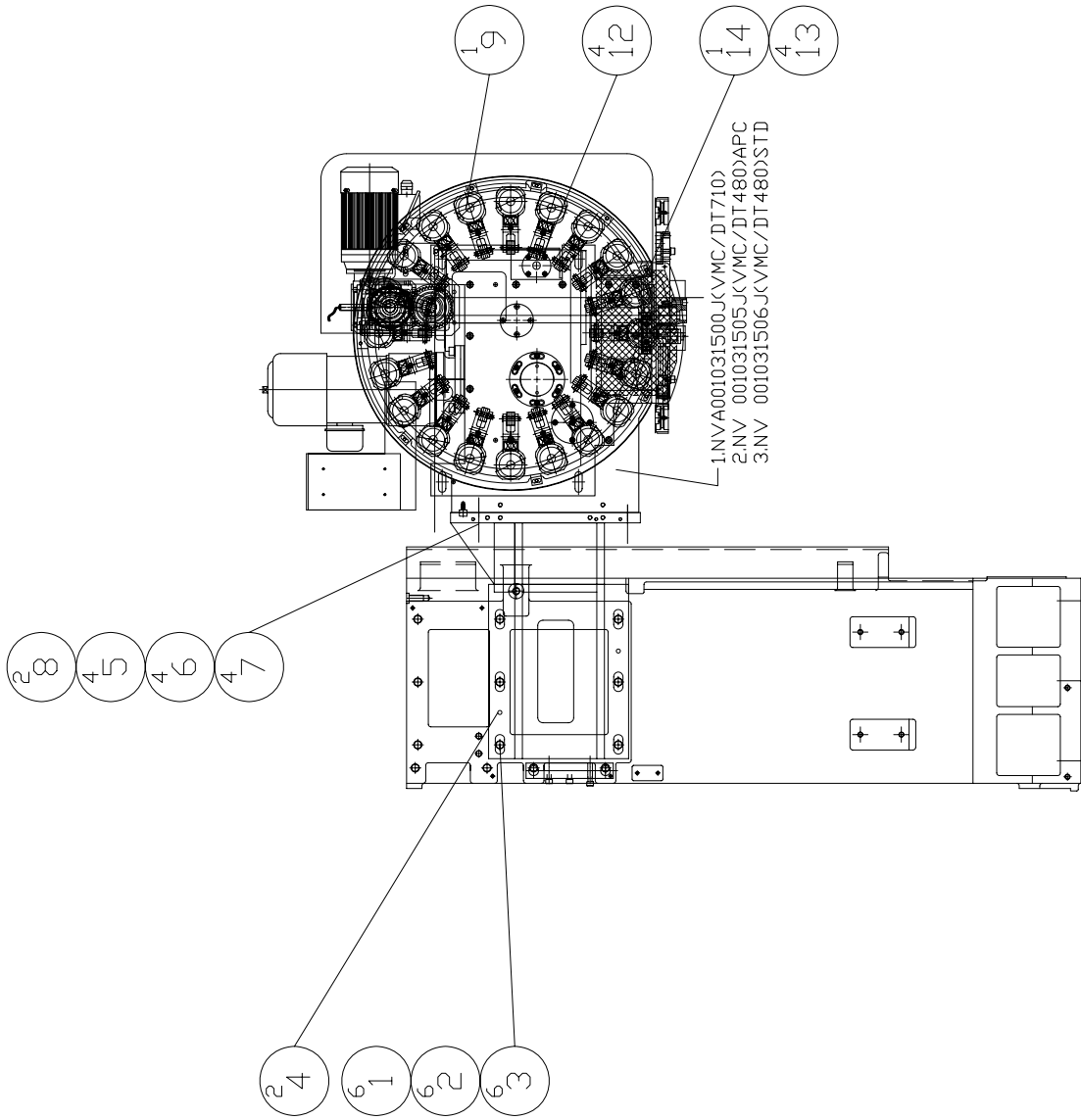
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000310005L

Description: #40 SWING ARM ATC (BT40 20 TOO
#40換刀臂式ATC(BT40 20刀)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0104624	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M16xP2xL50	6.00	EA
2.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	6.00	EA
3.00	NV 000399055A	PLATE	墊塊(M16 washer)	D Φ32xdΦ 16.5xt6(M16 washer)	6.00	EA
4.00	NV 00032530107	TAPER PIN	斜銷(內牙M5x0.8x16深)	D8x45L(M5x0.8xH16)	2.00	EA
5.00	MS 0104624	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M16xP2xL50	4.00	EA
6.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	4.00	EA
7.00	NV 000399055A	PLATE	墊塊(M16 washer)	D Φ32xdΦ 16.5xt6(M16 washer)	4.00	EA
8.00	NV 00032530107	TAPER PIN	斜銷(內牙M5x0.8x16深)	D8x45L(M5x0.8xH16)	2.00	EA
9.00	NV 000310010L	MAGAZINE SWING ARM ATC(BT40/20	圓盤式刀庫(BT40/20T)	BT40/20T	1.00	EA
12.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	1.00	EA
13.00	MS 0103414	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL8	1.00	EA
14.00	NV 001031502L	COVER, SWING ATC	刀庫防護網(VMC480/710)	W180xH286.9xH4.3	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	ADD#10.#11.#12	2006/5/28	00054
B	DEL#10.#11.ADD#12.#13.#14	2006/6/28	00099
C	#5#NV 00031001L-#1#A00031001L	2007/8/22	742



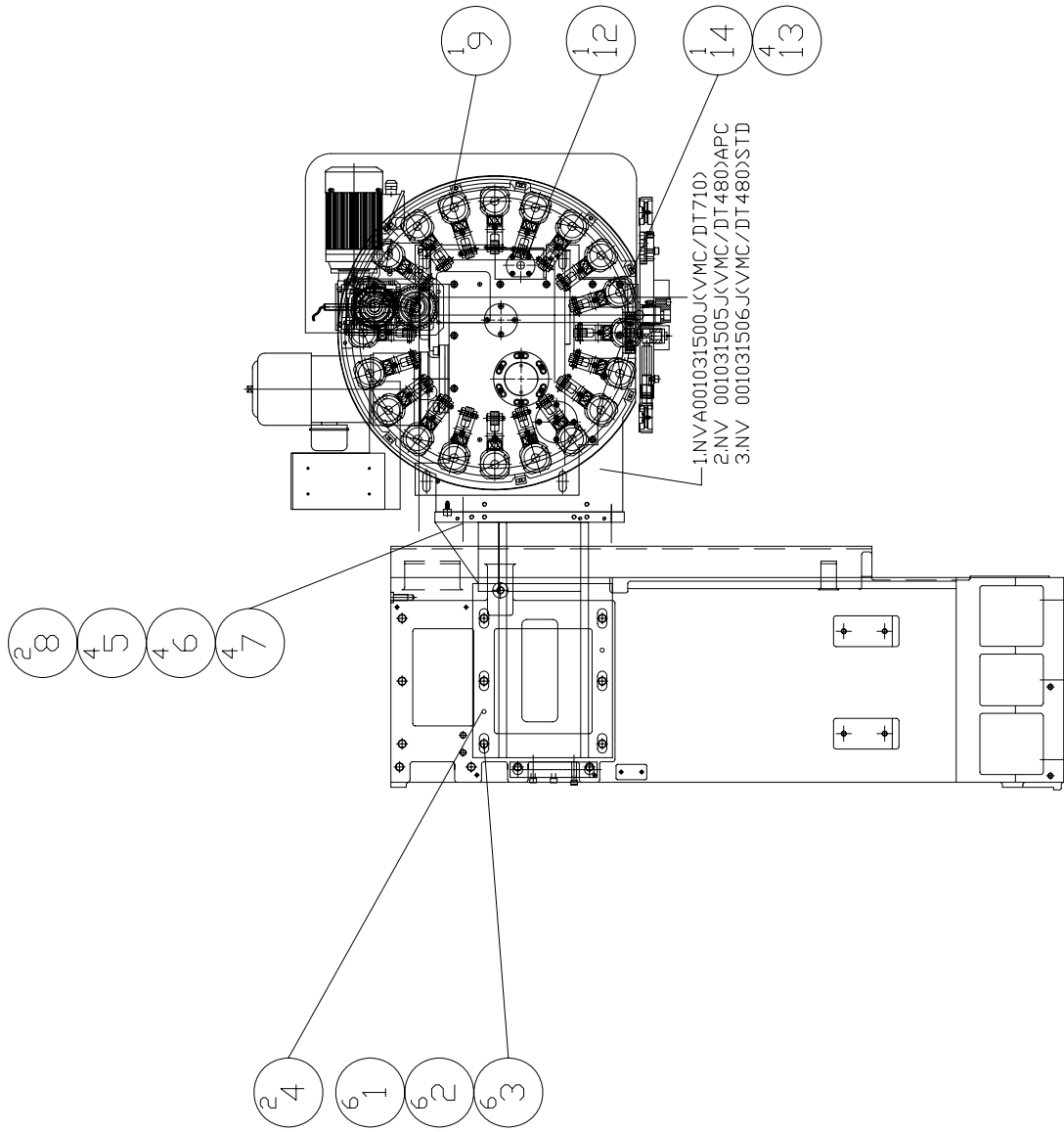
MODEL: VMC-480/710	
PART NAME	PART NUMBER
#40 SWING ARM ATC (CT/ANSI40 20 TOOLS)	NV 000310001L
#40 換刀臂式 TCCT/ANSI40 (20ツ)	PAGE 1 OF 1
DATE 9/13/2004	REV. C
SCALE 1:15	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000310001L
Description: 40 SWING ARM ATC (CT/ANSI40 2
#40換刀臂式ATC(CT/ANSI40 20刀)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0104624	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M16xP2xL50	6.00	EA
2.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	6.00	EA
3.00	NV 000399055A	PLATE	墊塊(M16 washer)	D Φ32xdΦ 16.5xf6(M16 washer)	6.00	EA
4.00	NV 00032530107	TAPER PIN	斜銷(內牙M5x0.8x16深)	D8x45L(M5x0.8xH16)	2.00	EA
5.00	MS 0104624	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M16xP2xL50	4.00	EA
6.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	4.00	EA
7.00	NV 000399055A	PLATE	墊塊(M16 washer)	D Φ32xdΦ 16.5xf6(M16 washer)	4.00	EA
8.00	NV 00032530107	TAPER PIN	斜銷(內牙M5x0.8x16深)	D8x45L(M5x0.8xH16)	2.00	EA
9.00	NV 000310012L	MAGAZINE SWING ARM ATC(CAT40/A	圓盤式刀庫(CAT40/ANSI40/20T)	CAT40/ANSI40	1.00	EA
12.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
13.00	MS 0103414	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL8	4.00	EA
14.00	NV 001031502L	COVER, SWING ATC	刀庫防護網(VMC480/710)	W180xH286.9xH4.3	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	ADD#10.#11.#12	2006/5/28	00054
B	DEL#10.#11.ADD#12.#13.#14	2006/6/28	00099
C	#5#NV_000310023L-NVA00310023L	2007/8/22	742



MODEL: VMC-480/710

PART NAME	PART NUMBER
#40 SWING ARM ATC (SK40 20 TOOL)	NV 000310002L
#40 換刀臂式ATC(SK40 20刀)	

DATE: 9/13/2004
 SCALE: 1:15
 REV: C
 PAGE: 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000310002L
Description: #40 SWING ARM ATC (SK40 20 TOO
#40換刀臂式ATC(SK40 20刀)

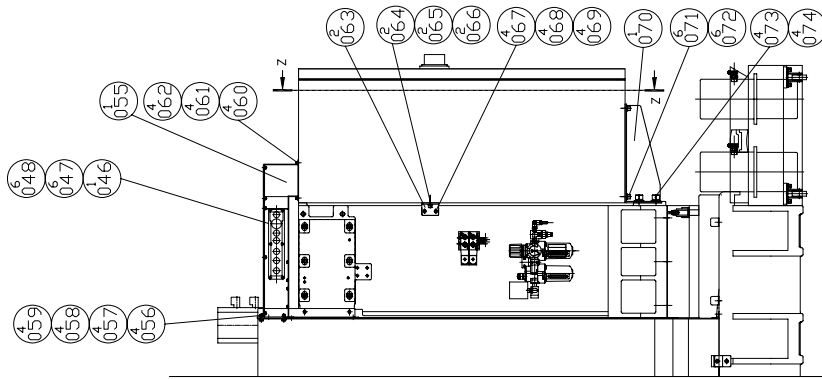
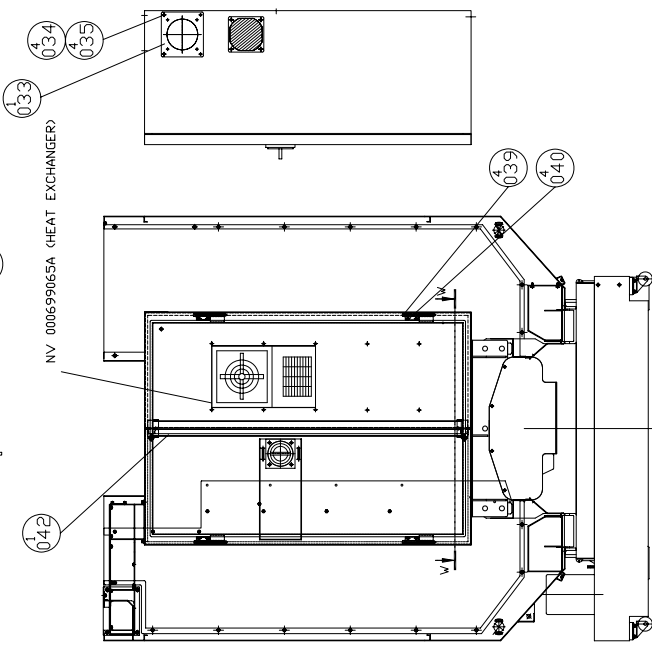
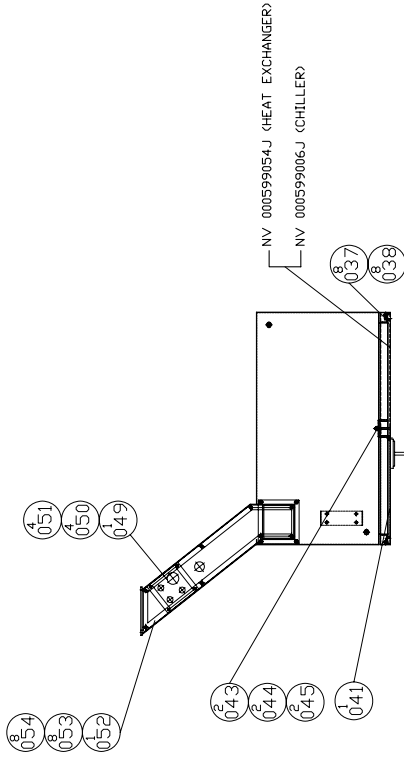
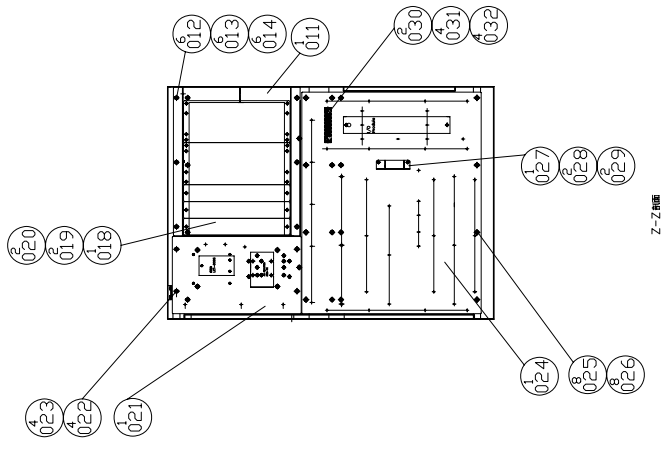
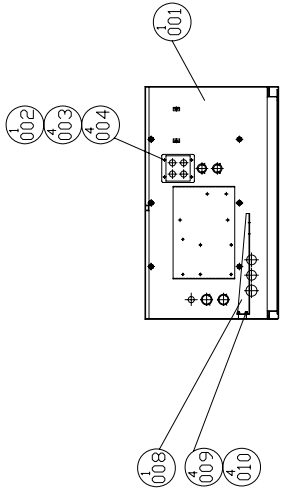
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0104624	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M16xP2xL50	6.00	EA
2.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	6.00	EA
3.00	NV 000399055A	PLATE	墊塊(M16 washer)	D φ 32xd φ 16.5xt6(M16 washer)	6.00	EA
4.00	NV 00032530107	TAPER PIN	斜銷(內牙M5x0.8x16深)	D8x45L(M5x0.8xH16)	2.00	EA
5.00	MS 0104624	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M16xP2xL50	4.00	EA
6.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	4.00	EA
7.00	NV 000399055A	PLATE	墊塊(M16 washer)	D φ 32xd φ 16.5xt6(M16 washer)	4.00	EA
8.00	NV 00032530107	TAPER PIN	斜銷(內牙M5x0.8x16深)	D8x45L(M5x0.8xH16)	2.00	EA
9.00	NV 000310023L	MAGAZINE SWING ARM ATC (SK40)/	圓盤式刀庫(DIN(SK40)/20T)	SK40	1.00	EA
12.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	1.00	EA
13.00	MS 0103414	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL8	4.00	EA
14.00	NV 001031502L	COVER, SWING ATC	刀庫防護網(VMC480/710)	W180xH286.9xH4.3	1.00	EA

Chapter 6

強電箱

Power Case

REV	DESCRIPTION	DATE	ECN
A	機軸加工	2007/5/17	579
B	機軸NV 000599053A	2007/7/2	651



MODEL: DT-300/480/710	PART NUMBER	REV. A
PART NAME	NVA000415803J	PAGE 1 OF 1
POWER CASE(α2/15000i)	電源箱(α2/15000i)	SCALE 1:28
DATE 2004/12/21	DATE	SCALE 1:28

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVA000415803J

Description: POWER CASE(a2/15000i)
強電箱(a2/15000i)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	NV 000299074J	POWER CASE	強電箱	L1165xW830xH477	1.00	EA
2.00	NV 000399008J	PLATE,WIRE OUTLET	出線板	L:116xW:100xH:2.3	1.00	EA
3.00	MS 0103414	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL8	4.00	EA
4.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
8.00	NV 000199013J	BRACKET, MAIN SWITCH	主開關托架	L360xW150xH45	1.00	EA
9.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	4.00	EA
10.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
11.00	NV 000299073J	BRACKET	支持板	L530.3xW452xH135	1.00	EA
12.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	6.00	EA
13.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	6.00	EA
14.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	6.00	EA
18.00	NV 000199009A	COVER	蓋板	L380xW60xH2.3	1.00	EA
19.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	2.00	EA
20.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	2.00	EA
21.01	NV 000299072A	PLATE, POWER CASE	強電板(上)	L460xW275xH2.3	1.00	EA
22.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	4.00	EA
23.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	4.00	EA
24.00	NVA000199007A	PLATE,POWER CASE	強電板(下)	L790xW640xH2.3(FANUC-0i)	1.00	EA
25.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	8.00	EA
26.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
27.00	NVA000399037A	POWER SUPPLY SEAT	電源供應器固定座	L195xW120xH32.3(SIEMENS)	1.00	EA
28.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
29.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
30.00	NV 001188800	GROUND BAR	接地銅條	1-14(14 HOLES)	2.00	EA
31.00	MS 0103414	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL8	4.00	EA
32.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
33.00	NV 000199012A	SEAT, FAN	風扇座	L380xW160xH2.3	1.00	EA
34.00	MS 0333413	PAN HEAD PHILIPS SCREW	十字圓頭螺絲	M4xP0.7xL6	4.00	EA
35.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
37.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	8.00	EA
38.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	8.00	EA
39.00	NV 000829700J	PIN, DOOR HINGE (POWER CASE)	門栓(強電箱)	L115xD12.5xD7	4.00	EA
40.00	NV 000829701J	PLATE, DOOR HINGE (POWER CASE)	支撐板(強電箱)	L50xW24.9xH12.7	4.00	EA
41.01	NV 000599055J	LEFT, DOOR(POWER CASE)	左門(強電箱)	L1165xW413xH36	1.00	EA
42.00	NV 000599056J	CROSSBEAM(POWER CASE)	橫樑(強電箱)	L1101xW55xH34	1.00	EA
43.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	2.00	EA
44.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
45.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
46.00	NV 000399007J	PLATE,WIRE OUTLET	出線板	L:215xW:56xH:2.3	1.00	EA
47.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	6.00	EA
48.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
49.00	NV 000199015A	PLATE,WIRE OUTLET	出線板	L140xW120xH2.3	1.00	EA
50.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	4.00	EA

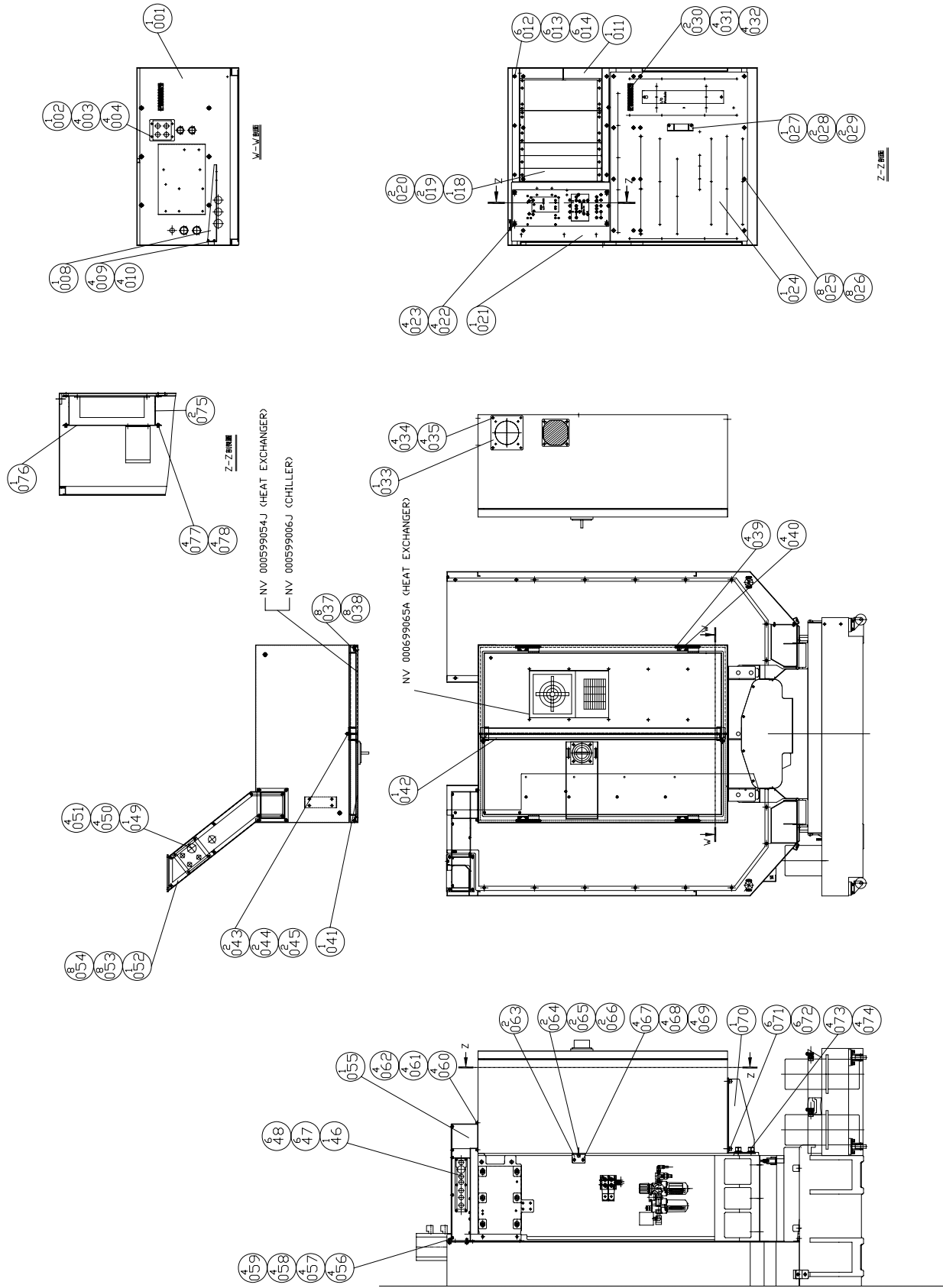
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
51.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
52.00	NVB001011507J	COVER	蓋板	L457.3xW539.3xH2.3	1.00	EA
53.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
54.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
55.00	NVB000199014J	ELECTRIC WIRE SHIELD	電線槽	L565.3xW483xH147	1.00	EA
56.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
57.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
58.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
59.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	4.00	EA
60.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
61.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
62.00	MW 0103510	FLAT WASHER	平墊圈	M5	4.00	EA
63.00	NV 000199034J	BRACKET	托架	L60xW45xH45	2.00	EA
64.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	2.00	EA
65.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
66.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	2.00	EA
67.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
68.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
69.00	MW 0103510	FLAT WASHER	平墊圈	M5	4.00	EA
70.00	NV 000199061J	SUPPORT, POWER CASE	強電箱座	L630XW352XH130	1.00	EA
71.00	MS 0104017	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL16	6.00	EA
72.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	6.00	EA
73.00	MS 0104622	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M16xP2.0xL40	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
74.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	4.00	EA

REV	DESCRIPTION	DATE	ECN
A	機種変更	2007/5/17	579
B	移機NV 000599053A	2007/7/2	651
C	7G 移機強電機地区子機取替機	2007/9/17	812



MODEL: DT-300/480/710	PART NUMBER	NVA000415804J
PART NAME	強電機箱(CE)<α2/15000i>	
PAGE	1	OF 1
DATE	2004/12/21	SCALE 1:28
REV.	C	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVA000415804J

Description: POWER CASE(CE)(a2/15000i)
強電箱(CE)(a2/15000i)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	NV 000299074J	POWER CASE	強電箱	L1165xW830xH477	1.00	EA
2.00	NV 000399008J	PLATE,WIRE OUTLET	出線板	L:116xW:100xH:2.3	1.00	EA
3.00	MS 0103414	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL8	4.00	EA
4.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
8.00	NV 000199013J	BRACKET, MAIN SWITCH	主開關托架	L360xW150xH45	1.00	EA
9.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	4.00	EA
10.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
11.00	NV 000299073J	BRACKET	支持板	L530.3xW452xH135	1.00	EA
12.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	6.00	EA
13.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	6.00	EA
14.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	6.00	EA
18.00	NV 000199009A	COVER	蓋板	L380xW60xH2.3	1.00	EA
19.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	2.00	EA
20.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	2.00	EA
21.01	NV 000299072A	PLATE, POWER CASE	強電板(上)	L460xW275xH2.3	1.00	EA
22.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	4.00	EA
23.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	4.00	EA
24.00	NVA000199007A	PLATE,POWER CASE	強電板(下)	L790xW640xH2.3(FANUC-0i)	1.00	EA
25.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	8.00	EA
26.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
27.00	NVA000399037A	POWER SUPPLY SEAT	電源供應器固定座	L195xW120xH32.3(SIEMENS)	1.00	EA
28.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
29.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
30.00	NV 001188800	GROUND BAR	接地銅條	1-14(14 HOLES)	1.00	EA
31.00	MS 0103414	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL8	4.00	EA
32.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
33.00	NV 000199012A	SEAT, FAN	風扇座	L380xW160xH2.3	1.00	EA
34.00	MS 0333413	PAN HEAD PHILIPS SCREW	十字圓頭螺絲	M4xP0.7xL6	4.00	EA
35.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
37.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	8.00	EA
38.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	8.00	EA
39.00	NV 000829700J	PIN, DOOR HINGE (POWER CASE)	門栓(強電箱)	L115xD12.5xD7	4.00	EA
40.00	NV 000829701J	PLATE, DOOR HINGE (POWER CASE)	支撐板(強電箱)	L50xW24.9xH12.7	4.00	EA
41.01	NV 000599055J	LEFT, DOOR(POWER CASE)	左門(強電箱)	L1165xW413xH36	1.00	EA
42.00	NV 000599056J	CROSSBEAM(POWER CASE)	橫樑(強電箱)	L1101xW55xH34	1.00	EA
43.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	2.00	EA
44.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
45.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
46.00	NV 000399007J	PLATE,WIRE OUTLET	出線板	L:215xW:56xH:2.3	1.00	EA
47.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	6.00	EA
48.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
49.00	NV 000199015A	PLATE,WIRE OUTLET	出線板	L140xW120xH2.3	1.00	EA
50.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	4.00	EA

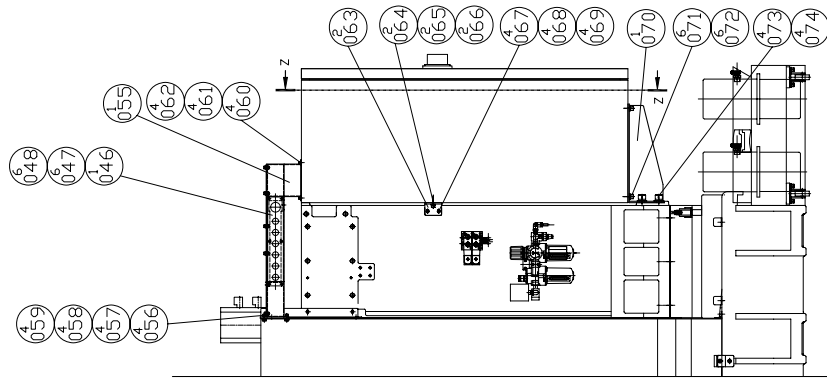
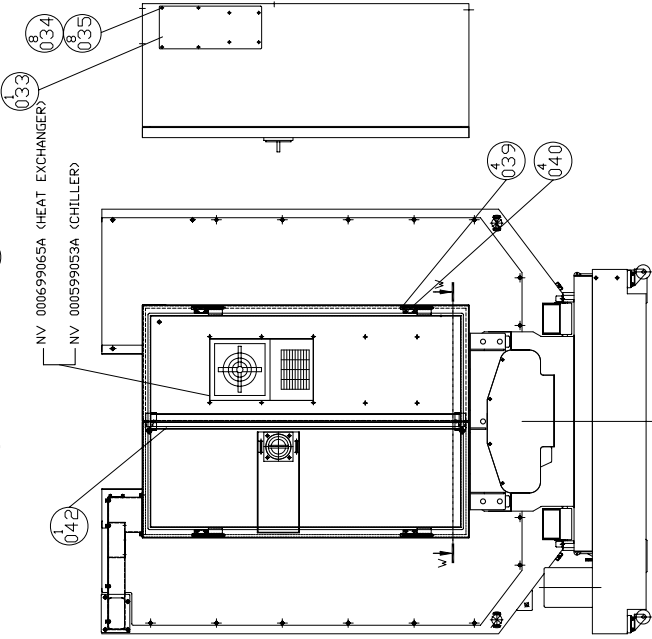
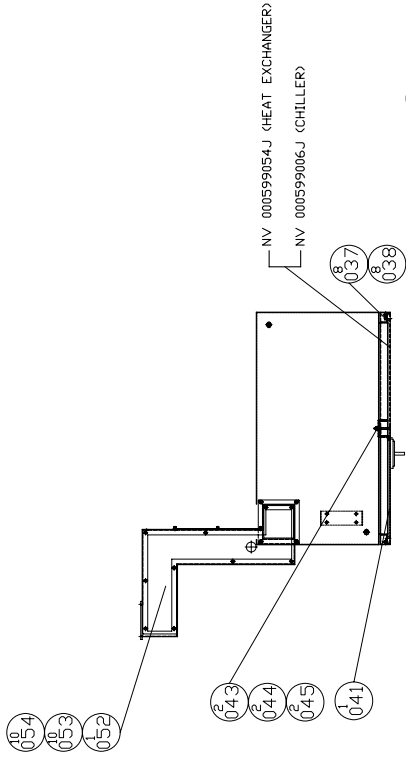
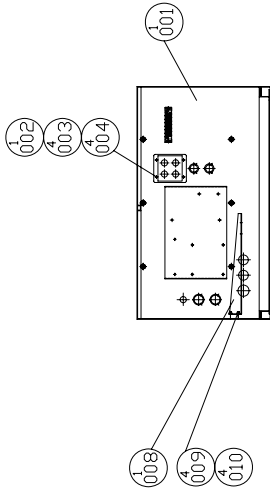
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
51.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
52.00	NVB001011507J	COVER	蓋板	L457.3xW539.3xH2.3	1.00	EA
53.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
54.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
55.00	NVB000199014J	ELECTRIC WIRE SHIELD	電線槽	L565.3xW483xH147	1.00	EA
56.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
57.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
58.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
59.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	4.00	EA
60.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
61.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
62.00	MW 0103510	FLAT WASHER	平墊圈	M5	4.00	EA
63.00	NV 000199034J	BRACKET	托架	L60xW45xH45	2.00	EA
64.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	2.00	EA
65.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
66.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	2.00	EA
67.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
68.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
69.00	MW 0103510	FLAT WASHER	平墊圈	M5	4.00	EA
70.00	NV 000199061J	SUPPORT, POWER CASE	強電箱座	L630XW352XH130	1.00	EA
71.00	MS 0104017	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL16	6.00	EA
72.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	6.00	EA
73.00	MS 0104622	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M16xP2.0xL40	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
74.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	4.00	EA
75.01	NV 000299075A	BRACKET	支持板	L170xW135xH30	2.00	EA
76.02	NV 000299076A	PLATE, POWER CASE	強電板(上)	L450xW170xH2.3	1.00	EA
77.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
78.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA

REV	DESCRIPTION	DATE	ECN
A	機架放	2007/5/17	579



MODEL: VMC-480/710	PART NUMBER	SCALE 1:28	REV. A
PART NAME	NVA000415801L	PAGE 1 OF 1	
POWER CASE(α3/10000i)	強電種(α3/10000i)		
DATE 2004/12/21			

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVA000415801L

Description: POWER CASE(a3/10000i)

強電箱(a3/10000i)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	NV 000299074J	POWER CASE	強電箱	L1165xW830xH477	1.00	EA
2.00	NV 000399008J	PLATE,WIRE OUTLET	出線板	L:116xW:100xH:2.3	1.00	EA
3.00	MS 0103414	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL8	4.00	EA
4.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
8.00	NV 000199013J	BRACKET, MAIN SWITCH	主開關托架	L360xW150xH45	1.00	EA
9.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	4.00	EA
10.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
11.00	NV 000299073L	BRACKET	支持板	L530.3xW452xH135	1.00	EA
12.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	6.00	EA
13.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	6.00	EA
14.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	6.00	EA
16.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	6.00	EA
17.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
21.01	NV 000299072A	PLATE, POWER CASE	強電板(上)	L460xW275xH2.3	1.00	EA
22.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	4.00	EA
23.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	4.00	EA
24.00	NVA000199007A	PLATE,POWER CASE	強電板(下)	L790xW640xH2.3(FANUC-0i)	1.00	EA
25.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	8.00	EA
26.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	8.00	EA
27.00	NVA000399037A	POWER SUPPLY SEAT	電源供應器固定座	L195xW120xH32.3(SIEMENS)	1.00	EA

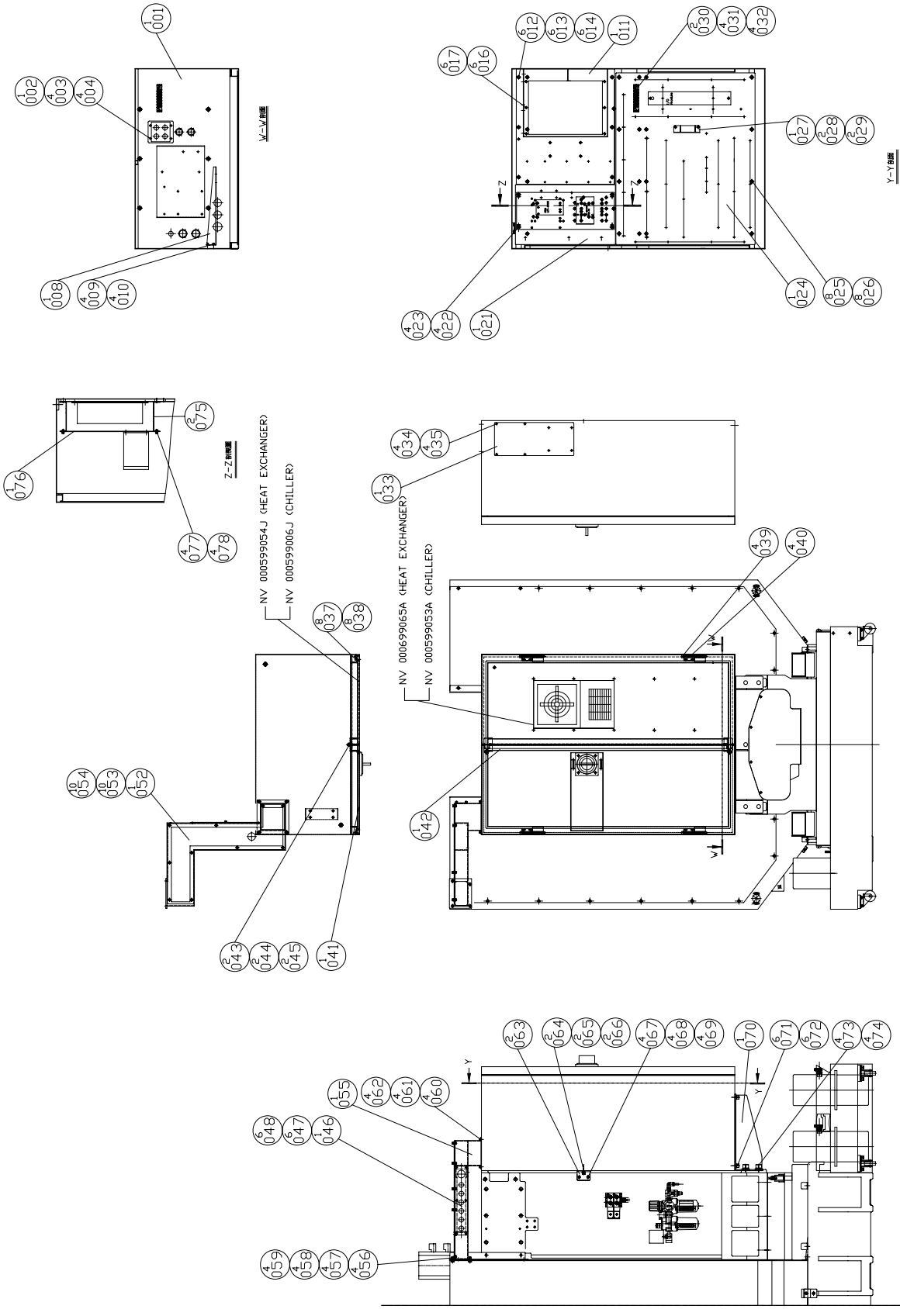
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
28.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
29.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
30.00	NV 001188800	GROUND BAR	接地銅條	1-14(14 HOLES)	2.00	EA
31.00	MS 0103414	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL8	4.00	EA
32.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
33.00	NV 000199012A	SEAT, FAN	風扇座	L380xW160xH2.3	1.00	EA
34.00	MS 0333413	PAN HEAD PHILIPS SCREW	十字圓頭螺絲	M4xP0.7xL6	8.00	EA
35.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	8.00	EA
37.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	8.00	EA
38.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	8.00	EA
39.00	NV 000829700J	PIN, DOOR HINGE (POWER CASE)	門栓(強電箱)	L115xD12.5xD7	4.00	EA
40.00	NV 000829701J	PLATE, DOOR HINGE (POWER CASE)	支撐板(強電箱)	L50xW24.9xH12.7	4.00	EA
41.01	NV 000599055J	LEFT, DOOR(POWER CASE)	左門(強電箱)	L1165xW413xH36	1.00	EA
42.00	NV 000599056J	CROSSBEAM(POWER CASE)	橫樑(強電箱)	L1101xW55xH34	1.00	EA
43.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	2.00	EA
44.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
45.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
46.00	NV 000399007J	PLATE,WIRE OUTLET	出線板	L:215xW:56xH:2.3	1.00	EA
47.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	6.00	EA
48.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
52.00	NVB001011507J	COVER	蓋板	L457.3xW539.3xH2.3	1.00	EA
53.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	10.00	EA
54.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	10.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
55.00	NVB000199014J	ELECTRIC WIRE SHIELD	電線槽	L565.3xW483xH147	1.00	EA
56.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
57.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
58.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
59.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	4.00	EA
60.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
61.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
62.00	MW 0103510	FLAT WASHER	平墊圈	M5	4.00	EA
63.00	NV 000199034J	BRACKET	托架	L60xW45xH45	2.00	EA
64.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	2.00	EA
65.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
66.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	2.00	EA
67.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
68.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
69.00	MW 0103510	FLAT WASHER	平墊圈	M5	4.00	EA
70.00	NV 000199061J	SUPPORT, POWER CASE	強電箱座	L630XW352XH130	1.00	EA
71.00	MS 0104017	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL16	6.00	EA
72.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	6.00	EA
73.00	MS 0104622	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M16xP2.0xL40	4.00	EA
74.00	MW 0184610	SPRING WASHER	彈簧墊圈	M16	4.00	EA

REV	DESCRIPTION	DATE	ECN
A	機殼	2007/5/17	579
B	76 號加強電板孔位配置	2007/9/17	812



MODEL: VMC-480/710	PART NUMBER: NVA000415802L
PART NAME: POWER CASE(X(0.3/10000))	PAGE: 1 OF 1
機殼(X(0.3/10000))	REV. B
DATE: 2004/12/21	SCALE: 1:28

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVA000415802L

Description: POWER CASE(CE)(a3/10000i)
強電箱(CE)(a3/10000i)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.02	NVA000299074J	POWER CASE	強電箱	L1165xW830xH470	1.00	EA
2.00	NV 000399008J	PLATE,WIRE OUTLET	出線板	L:116xW:100xH:2.3	1.00	EA
3.00	MS 0103414	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL8	4.00	EA
4.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
8.00	NV 000199013J	BRACKET, MAIN SWITCH	主開關托架	L360xW150xH45	1.00	EA
9.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	4.00	EA
10.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
11.00	NV 000299073L	BRACKET	支持板	L530.3xW452xH135	1.00	EA
12.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	6.00	EA
13.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	6.00	EA
14.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	6.00	EA
16.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	6.00	EA
17.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
21.02	NV 000299072A	PLATE, POWER CASE	強電板(上)	L460xW275xH2.3	1.00	EA
22.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	4.00	EA
23.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	4.00	EA
24.00	NVA000199007A	PLATE,POWER CASE	強電板(下)	L790xW640xH2.3(FANUC-0i)	1.00	EA
25.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	8.00	EA
26.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	8.00	EA
27.00	NVA000399037A	POWER SUPPLY SEAT	電源供應器固定座	L195xW120xH32.3(SIEMENS)	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
28.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
29.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
30.00	NV 001188800	GROUND BAR	接地銅條	1-14(14 HOLES)	2.00	EA
31.00	MS 0103414	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL8	4.00	EA
32.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
33.00	NV 000199012A	SEAT, FAN	風扇座	L380xW160xH2.3	1.00	EA
34.00	MS 0333413	PAN HEAD PHILIPS SCREW	十字圓頭螺絲	M4xP0.7xL6	4.00	EA
35.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
37.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	8.00	EA
38.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	8.00	EA
39.00	NV 000829700J	PIN, DOOR HINGE (POWER CASE)	門栓(強電箱)	L115xD12.5xD7	4.00	EA
40.00	NV 000829701J	PLATE, DOOR HINGE (POWER CASE)	支撐板(強電箱)	L50xW24.9xH12.7	4.00	EA
41.01	NV 000599055J	LEFT, DOOR(POWER CASE)	左門(強電箱)	L1165xW413xH36	1.00	EA
42.00	NV 000599056J	CROSSBEAM(POWER CASE)	橫樑(強電箱)	L1101xW55xH34	1.00	EA
43.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	2.00	EA
44.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
45.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
46.00	NV 000399007J	PLATE,WIRE OUTLET	出線板	L:215xW:56xH:2.3	1.00	EA
47.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	6.00	EA
48.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
52.00	NVB001011507J	COVER	蓋板	L457.3xW539.3xH2.3	1.00	EA
53.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	10.00	EA
54.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	10.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
55.00	NVB000199014J	ELECTRIC WIRE SHIELD	L565.3xW483xH147	1.00	EA
56.00	MS 0103617	SOCKET HEAD CAP SCREW	M6xP1.0xL16	4.00	EA
57.00	MW 0183610	SPRING WASHER	M6	4.00	EA
58.00	MW 0103610	FLAT WASHER	M6(d6*D19*H2)	4.00	EA
59.00	MN 0113610	HEXAGON NUT	M6xP1.0	4.00	EA
60.00	MS 0103517	SOCKET HEAD CAP SCREW	M5xP0.8xL16	4.00	EA
61.00	MW 0183510	SPRING WASHER	M5	4.00	EA
62.00	MW 0103510	FLAT WASHER	M5	4.00	EA
63.00	NV 000199034J	BRACKET	L60xW45xH45	2.00	EA
64.00	MS 0103817	SOCKET HEAD CAP SCREW	M8xP1.25xL16	2.00	EA
65.00	MW 0183810	SPRING WASHER	M8	2.00	EA
66.00	MW 0103810	FLAT WASHER	M8 (d8*D22.2)	2.00	EA
67.00	MS 0103517	SOCKET HEAD CAP SCREW	M5xP0.8xL16	4.00	EA
68.00	MW 0183510	SPRING WASHER	M5	4.00	EA
69.00	MW 0103510	FLAT WASHER	M5	4.00	EA
70.00	NV 000199061J	SUPPORT, POWER CASE	L630XW352XH130	1.00	EA
71.00	MS 0104017	SOCKET HEAD CAP SCREW	M10xP1.5xL16	6.00	EA
72.00	MW 0184010	SPRING WASHER	M10	6.00	EA
73.00	MS 0104622	SOCKET HEAD CAP SCREW	M16xP2.0xL40	4.00	EA
74.00	MW 0184610	SPRING WASHER	M16	4.00	EA
75.01	NV 000299075A	BRACKET	L170xW135xH30	2.00	EA
76.03	NV 000299076A	PLATE, POWER CASE	L450xW170xH2.3	1.00	EA
77.00	MS 0103617	SOCKET HEAD CAP SCREW	M6xP1.0xL16	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

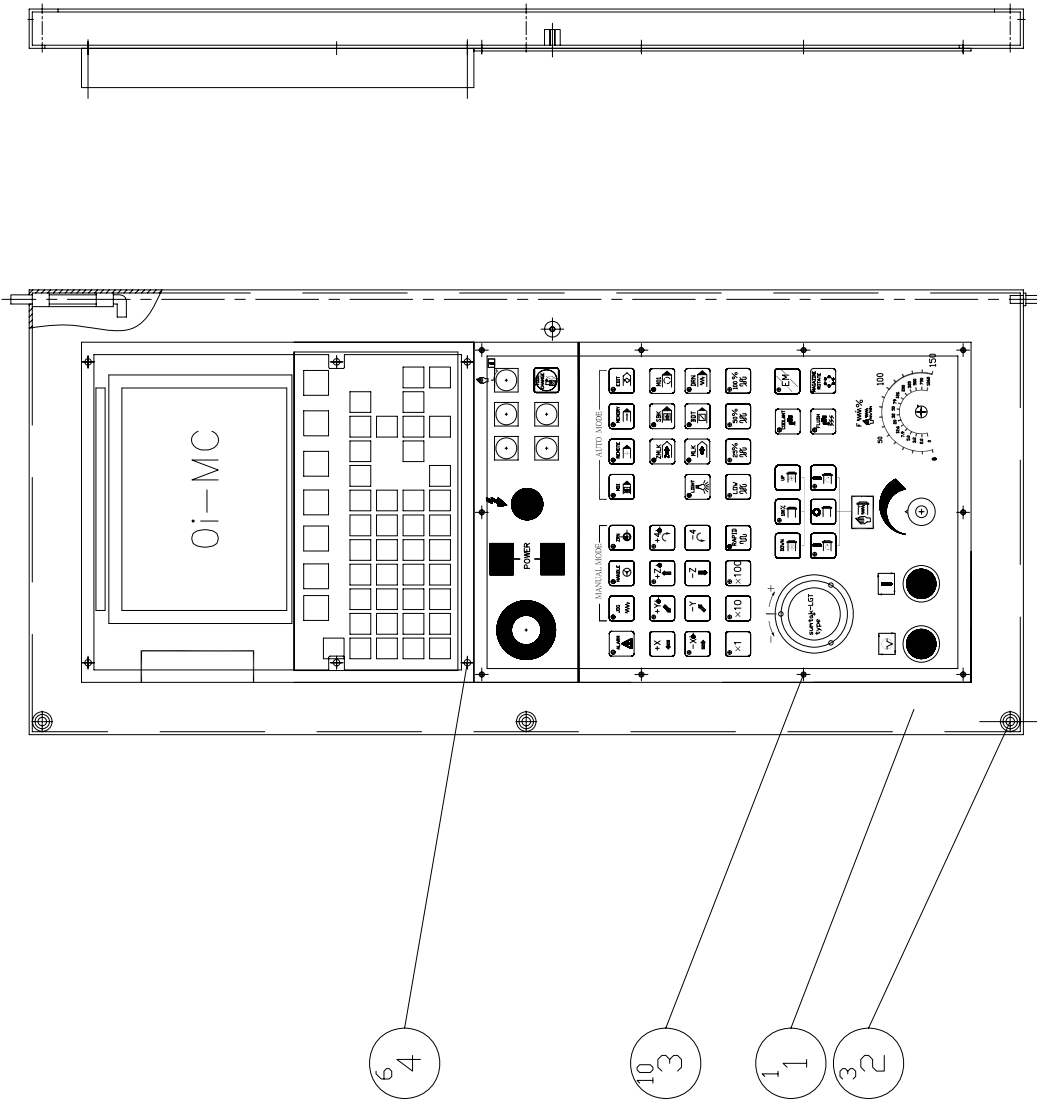
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
78.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA

Chapter 7

操作箱

Operating Cabinet

REV	DESCRIPTION	DATE	ENCL
A	詳細分岐	2007/09/15	579



MODEL: DT-300/480/710 / VMC-480/710

PART NAME PART NUMBER

OPERATOR CABINET.(FANUC-0i-MC) NVA001045307J

操作種(FANUC-0i-MC) PAGE 1 OF 1

DATE 2004/12/20 SCALE 1:6 REV. A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVA001045307J
Description: OPERATOR CABINET.(FANUC-0i-MC)
操作箱(FANUC-0i-MC)

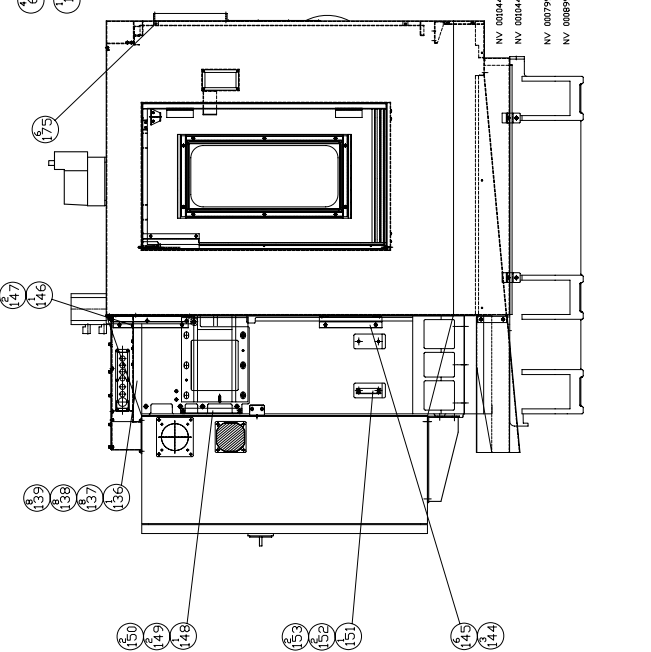
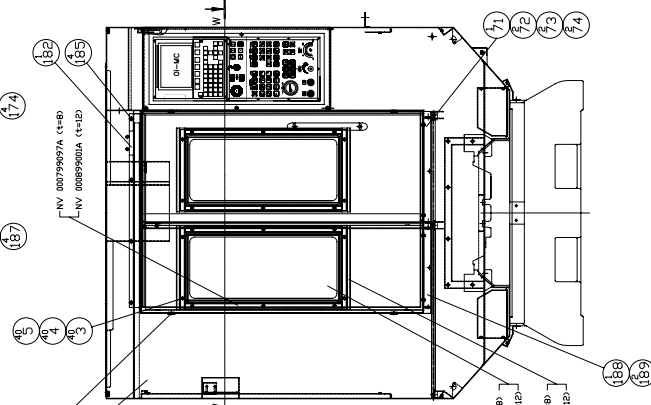
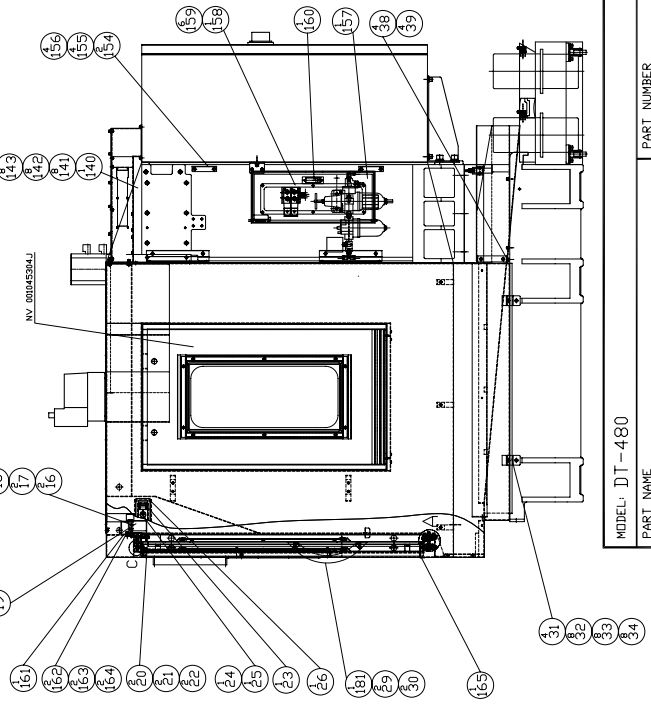
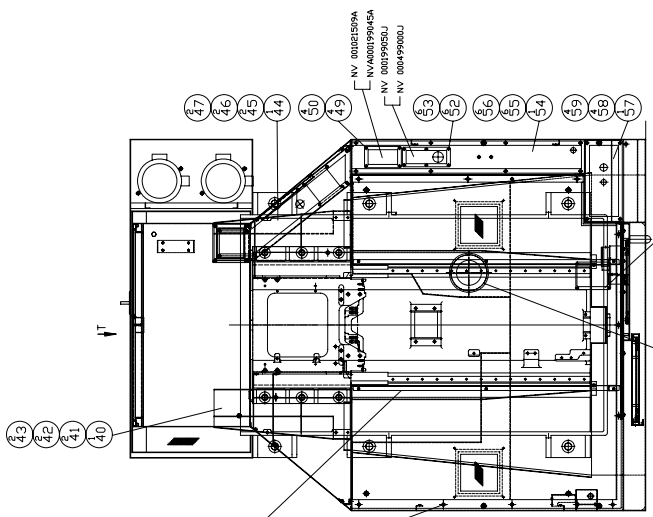
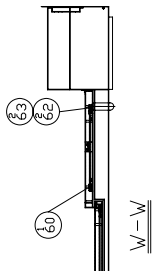
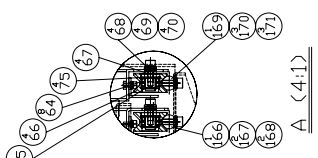
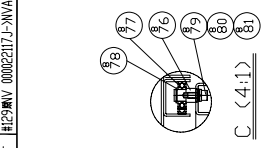
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000199018J	OPERATING PANEL CASE	操作箱	L458xW340xH30(FANUC-0iMC)	1.00	EA
2.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
3.00	MN 0113310	HEXGON NUT	六角螺帽	M3xP0.5	10.00	EA
4.00	MN 0113410	HEXGON NUT	六角螺帽	M4xP0.7	6.00	EA

Chapter 8

外型板金

Enclosure Assm.

REV	DESCRIPTION	DATE	ENCL
A	機壳加工品(0002217)-NV0002217(1.1)機壳(0002202)	2006/1/23	TN/0655
B	機壳加工品(0002217)-NV0002217(1.1)機壳(0002202)	2006/2/7	TN/0655
C	機壳加工品(0002217)-NV0002217(1.1)機壳(0002202)	2006/4/17	26
D	機壳加工品(0002217)-NV0002217(1.1)機壳(0002202)	2007/5/14	548
E	機壳加工品(0002217)-NV0002217(1.1)機壳(0002202)	2007/5/17	575
F	機壳加工品(0002217)-NV0002217(1.1)機壳(0002202)	2007/5/20	586



MODEL: DT-480	SCALE: 1:35
PART NAME ENCLOSURE ASSM#30 Swing arm ATC 外基板金具30 換刀臂ATC	SCALE: 1:35
PART NUMBER NVB001045302J	SCALE: 1:35
PAGE 1 OF 1	SCALE: 1:35
REV. F	SCALE: 1:35
DATE 2006/2/7	SCALE: 1:35

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVB001045302J

Description: ENCLOSURE ASSM(#30 Swing arm A
外型板金(#30換刀臂ATC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.02	NVC00002211J	GUARD	外型板金	L1654.7xW1515xH1199.7	1.00	EA
3.01	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	40.00	EA
4.01	MW 0183610	SPRING WASHER	彈簧墊圈	M6	40.00	EA
5.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	40.00	EA
6.00	NV 001033102A	PLUG, SPLASH GUARD	孔塞	D30.5xL9.5	4.00	EA
16.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
17.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
18.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
19.00	NVA000199031J	BRACKET	托架	L80xW40xH75	1.00	EA
20.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
21.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
22.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
23.00	NV 000599063A	COVER	蓋(網路孔)	L36xW18xH2.3	1.00	ST
24.00	NV 001064201A	HANDLE	把手	L16xd25xM4	1.00	EA
25.00	MS 0313413	FLAT HD. SOCKET	六角穴平頭螺絲	M4xP0.7xL6	1.00	EA
26.00	NV 000199058A	COVER, OPERATING PANEL CASE	蓋板	L113xW58xH2.3	1.00	EA
29.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
30.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
31.00	NV 000199030J	BRACKET	托架	L88.7xW40xH54.6	4.00	EA
32.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
33.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
34.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
38.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
39.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
40.00	NVA000199029J	GUIDE,COOLANT	導水槽	L440.3xW111.7xH103	1.00	EA
41.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
42.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
43.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
44.00	NVA000199028J	GUIDE,COOLANT	導水槽	L555.3xW203.5xH180.3	1.00	EA
45.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
46.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
47.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
49.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
50.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
52.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	6.00	EA
53.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
54.00	NV 000199049J	PLATE	蓋板	L953xW131xH2.3	1.00	EA
55.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
56.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
57.01	NVA001011523J	COVER	蓋板	L:330xW:151xH:2.3	1.00	EA
58.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
59.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
60.02	NVB000378002J	FRONT DOOR	前門	L1192xW478xH49	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
61.01	NVB0000378003J	FRONT DOOR	前門	L1192xW373xH49.5	1.00	EA
62.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
63.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
64.00	NV 00002660318	Deep-grooved ball bearing	深溝滾珠軸承	6800ZZ	8.00	EA
65.00	NV 00082310203	RING, C-RETAINING	外扣環	S-10	4.00	EA
66.00	NVB0000942400J	ROLLER, DOOR	滑輪	D34xL17	4.00	EA
67.00	NVB0000403802J	SHAFT, DOOR ROLLER	輪軸	D12xL21	4.00	EA
68.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
69.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
70.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
71.00	NV 000378020J	PLATE, SPLASH GUARD	檔水板	L478xW20xH30	1.00	EA
72.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
73.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
74.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
75.00	NV 00082310111	RING, C-RETAINING	C型內扣	R-19	4.00	EA
76.00	NV 000403801A	SHAFT, DOOR ROLLER	輪軸	D14.3xL23.5	8.00	EA
77.00	NV 00002660104	BALL BEARING	單列深槽滾珠軸承	6001ZZ	8.00	EA
78.00	NV 00082310201	RING, C-RETAINING	C型外扣	S-12	8.00	EA
79.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
80.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
81.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
82.00	NV 000199055J	COVER	蓋板	L510xW240xH2.3	1.00	EA
83.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
84.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
85.00	NV 000199045J	REAR COVER	後擋板	L1499.5xW540xH2.3	1.00	EA
86.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	9.00	EA
87.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	9.00	EA
88.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	9.00	EA
89.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
90.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
91.01	NV 000199044J	REAR COVER	後擋板	L1169.5xW540xH2.3	1.00	EA
92.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	7.00	EA
93.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	7.00	EA
94.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	7.00	EA
95.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
96.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
97.00	NV 000199040J	REAR COVER	後擋板	L360xW154xH180	1.00	EA
98.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
99.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
100.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
101.01	NV 000199039J	REAR COVER	後擋板	L532xW350xH72.3	1.00	EA
102.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
103.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
104.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
109.00	NVA000199047J	PLATE,SPLASH GUARD	擋水板	L372xW152xH123	1.00	EA
110.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
111.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
112.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
113.01	NVA000199001J	PLATE, SPLASH GUARD	擋水板	L360xW123xH15	1.00	EA
114.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
115.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
116.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
117.00	NV 000199005J	PLATE, SPLASH GUARD	擋水板	L123xW35xH60	1.00	EA
118.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
119.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
120.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
121.00	NV 000199015J	COVER (30 taper turret)	護蓋(30 taper turret)	L682.5xW126xH114.3	1.00	EA
122.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
123.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
124.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
125.01	NV 000199012J	COVER	護蓋	L:703xW:126xH:114.3	1.00	EA
126.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
127.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
128.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
129.02	NVA00022117J	COVER PLATE, GUARD UPER	上蓋板	L:1357.5xW1099xH260	1.00	EA
130.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	11.00	EA
131.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	11.00	EA
132.00	NV 000599083J	PLATE, CHIP TANK	檔屑板	L:980xW32xH:25	2.00	EA
133.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	6.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
134.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
135.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
136.00	NV 000299005J	SIDE COVER(LEFT)	立柱側蓋(左)	L:544.5xW:1415.5xH:18	1.00	EA
137.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
138.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
139.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
140.00	NV 000299006J	SIDE COVER(RIGHT)	立柱側蓋(右)	L:544.5xW:1415.5xH:18	1.00	EA
141.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
142.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
143.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
144.00	NV 000299008J	BRACKET	立柱側蓋托架	L:255xW:22xH:49.8	3.00	EA
145.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	6.00	EA
146.00	NV 000299009J	BRACKET(LEFT)	立柱側蓋托架(左)	L:305xW:22xH:49.8	1.00	EA
147.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	2.00	EA
148.00	NV 000299010J	BRACKET(LEFT)	立柱側蓋托架(左)	L:232.6xW:21.5xH:250	1.00	EA
149.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
150.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
151.00	NV 000299011J	BRACKET(LEFT)	立柱側蓋托架(左)	L:299.6xW:21.5xH:100	1.00	EA
152.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
153.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
154.00	NV 000299012J	BRACKET(RIGHT)	立柱側蓋托架(右)	L:247.6xW:21.5xH:100	2.00	EA
155.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
156.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA

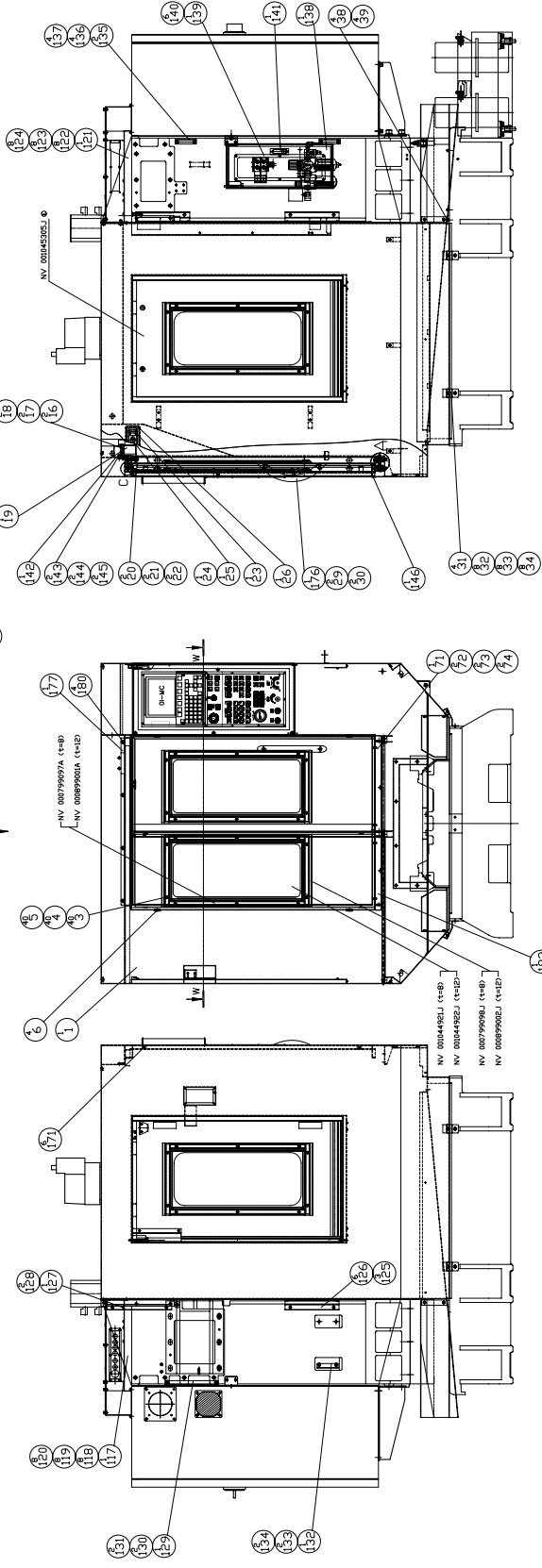
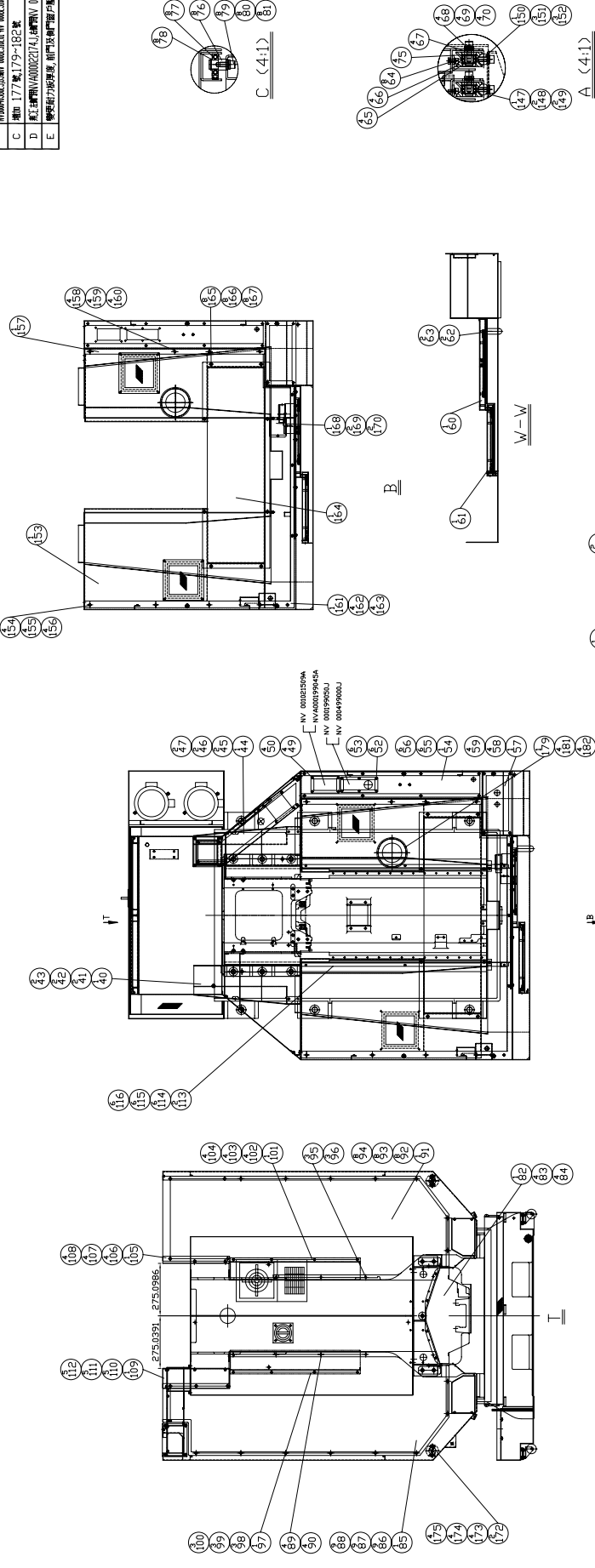
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
157.00	NV 000299007J	ROTARY DOOR	旋轉門	L:496xW:265xH:19	1.00	EA
158.00	NV 001044901J	WINDOW, DOOR	壓克力板	L428xW178xH2	1.00	EA
159.00	MN 0113510	HEXAGON NUT	六角螺帽	M5xP0.8	6.00	EA
160.00	BL 00103590101	DOOR LATCH	壓扣把手(全銀色系列)	[YI-LOONG]A-240-3-B	1.00	EA
161.00	NVA000199032J	BRACKET	托架	L74xW55xH52	1.00	EA
162.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
163.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
164.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
165.00	NV 000599082J	PLATE	護板	L799xW20xH63	1.00	EA
166.00	NV 000022112J	ROD, FRONT DOOR GUIDE	前門滑道(前)	D14.3xL714	1.00	EA
167.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
168.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
169.00	NV 000022113J	ROD, FRONT DOOR GUIDE	前門滑道(後)	D14.3xL1164	1.00	EA
170.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
171.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
172.00	NV 001011517A	COVER, HEADSTOCK FRONT	主軸箱前蓋	L766.6xW362xH122.3	1.00	EA
173.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	4.00	EA
174.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
175.00	NV 00078760030	RUBBER,B TYPE	B型消音橡膠墊(小)	B型(小)(台灣引興)	6.00	EA
176.00	NV 000299024J	COVER	蓋板	D65xH2.3	2.00	EA
177.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
178.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
179.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
181.00	NV 000699001A	HANDLE ASSEMBLY	把手組成	ASSM	1.00	ST
182.01	NVA000699097J	SPLASH GUARD	擋水板	L790xW62.7xH8.3	1.00	EA
184.00	NV 000299078A	COVER, SUCTION	抽風機蓋板	DΦ160xH2.3	1.00	ST
185.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
186.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
187.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
188.00	NV 000378023J	PLATE, SPLASH GUARD	擋水板	L373xW20xH12	1.00	ST
189.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
190.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
191.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	機内部品追加(17.9-182)機内部品追加(17.9-182)機内部品追加(17.9-182)	2006/1/23	TN/0655
B	機内部品追加(17.9-182)機内部品追加(17.9-182)機内部品追加(17.9-182)	2006/2/8	TN/0655
C	機内部品追加(17.9-182)機内部品追加(17.9-182)機内部品追加(17.9-182)	2006/4/07	26
D	機内部品追加(17.9-182)機内部品追加(17.9-182)機内部品追加(17.9-182)	2007/5/14	548
E	機内部品追加(17.9-182)機内部品追加(17.9-182)機内部品追加(17.9-182)	2007/5/17	575



MODEL: DT-480
PART NAME: ENCLOSURE ASSM(#30 TURRET ATC)
PART NUMBER: NVC001045301J
DATE: 2006/2/6
SCALE: 1:35
PAGE: 1 OF 1
REV: E

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVC001045301J

Description: ENCLOSURE ASSM(#30 TURRET ATC)
外型板金(#30輻射式ATC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.02	NVC000022111J	GUARD	外型板金	L1654.7xW1515xH1199.7	1.00	EA
3.01	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	40.00	EA
4.01	MW 0183610	SPRING WASHER	彈簧墊圈	M6	40.00	EA
5.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	40.00	EA
6.00	NV 001033102A	PLUG, SPLASH GUARD	孔塞	D30.5xL9.5	4.00	EA
16.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
17.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
18.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
19.00	NVA000199031J	BRACKET	托架	L80xW40xH75	1.00	EA
20.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
21.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
22.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
23.00	NV 000599063A	COVER	蓋(網路孔)	L36xW18xH2.3	1.00	ST
24.00	NV 001064201A	HANDLE	把手	L16xd25xM4	1.00	EA
25.00	MS 0313413	FLAT HD. SOCKET	六角穴平頭螺絲	M4xP0.7xL6	1.00	EA
26.00	NV 000199058A	COVER, OPERATING PANEL CASE	蓋板	L113xW58xH2.3	1.00	EA
29.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
30.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
31.00	NV 000199030J	BRACKET	托架	L88.7xW40xH54.6	4.00	EA
32.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
33.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
34.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
38.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
39.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
40.00	NVA000199029J	GUIDE,COOLANT	導水槽	L440.3xW111.7xH103	1.00	EA
41.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
42.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
43.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
44.00	NVA000199028J	GUIDE,COOLANT	導水槽	L555.3xW203.5xH180.3	1.00	EA
45.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
46.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
47.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
49.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
50.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
52.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	6.00	EA
53.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
54.00	NV 000199049J	PLATE	蓋板	L953xW131xH2.3	1.00	EA
55.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
56.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
57.01	NVA001011523J	COVER	蓋板	L:330xW:151xH:2.3	1.00	EA
58.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
59.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
60.01	NVB000378002J	FRONT DOOR	前門	L1192xW478xH49	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
60.02	NVB0000378002J	FRONT DOOR	前門	L1192xW478xH49	1.00	EA
61.01	NVB0000378003J	FRONT DOOR	前門	L1192xW373xH49.5	1.00	EA
62.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
63.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
64.00	NV 00002660318	Deep-grooved ball bearing	深溝滾珠軸承	6800ZZ	8.00	EA
65.00	NV 00082310203	RING, C-RETAINING	外扣環	S-10	4.00	EA
66.00	NVB0000942400J	ROLLER, DOOR	滑輪	D34xL17	4.00	EA
67.00	NVB0000403802J	SHAFT, DOOR ROLLER	輪軸	D12xL21	4.00	EA
68.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
69.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
70.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
71.00	NV 000378020J	PLATE, SPLASH GUARD	檔水板	L478xW20xH30	1.00	EA
72.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
73.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
74.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
75.00	NV 00082310111	RING, C-RETAINING	C型內扣	R-19	4.00	EA
76.00	NV 000403801A	SHAFT, DOOR ROLLER	輪軸	D14.3xL23.5	8.00	EA
77.00	NV 00002660104	BALL BEARING	單列深槽滾珠軸承	6001ZZ	8.00	EA
78.00	NV 00082310201	RING, C-RETAINING	C型外扣	S-12	8.00	EA
79.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
80.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
81.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
82.00	NV 000199055J	COVER	蓋板	L510xW240xH2.3	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
83.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
84.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
85.00	NV 000199045J	REAR COVER	後擋板	L1499.5xW540xH2.3	1.00	EA
86.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	9.00	EA
87.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	9.00	EA
88.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	9.00	EA
89.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
90.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
91.00	NV 000199046J	REAR COVER	後擋板	L1499.5xW540xH2.3	1.00	EA
92.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
93.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
94.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
95.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
96.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
97.00	NV 000199015J	COVER (30 taper turret)	護蓋(30 taper turret)	L682.5xW126xH114.3	1.00	EA
98.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
99.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
100.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
101.00	NV 000199016J	COVER	護蓋	L682.5xW126xH124	1.00	EA
102.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
103.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
104.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
105.00	NV 000199042J	REAR COVER	後擋板	L360xW32xH33	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
106.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
107.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
108.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
109.00	NV 000199043J	REAR COVER	後擋板	L360xW140xH33	1.00	EA
110.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
111.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
112.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
113.00	NV 000599083J	PLATE, CHIP TANK	檔屑板	L:980xW32xH:25	2.00	EA
114.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	6.00	EA
115.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
116.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
117.00	NV 000299005J	SIDE COVER(LEFT)	立柱側蓋(左)	L:544.5xW:1415.5xH:18	1.00	EA
118.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
119.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
120.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
121.00	NV 000299006J	SIDE COVER(RIGHT)	立柱側蓋(右)	L:544.5xW:1415.5xH:18	1.00	EA
122.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
123.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
124.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
125.00	NV 000299008J	BRACKET	立柱側蓋托架	L:255xW:22xH:49.8	3.00	EA
126.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	6.00	EA
127.00	NV 000299009J	BRACKET(LEFT)	立柱側蓋托架(左)	L:305xW:22xH:49.8	1.00	EA
128.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
129.00	NV 000299010J	BRACKET(LEFT)	立柱側蓋托架(左)	L:232.6xW:21.5xH:250	1.00	EA
130.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
131.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
132.00	NV 000299011J	BRACKET(LEFT)	立柱側蓋托架(左)	L:299.6xW:21.5xH:100	1.00	EA
133.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
134.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
135.00	NV 000299012J	BRACKET(RIGHT)	立柱側蓋托架(右)	L:247.6xW:21.5xH:100	2.00	EA
136.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
137.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
138.00	NV 000299007J	ROTARY DOOR	旋轉門	L:496xW:265xH:19	1.00	EA
139.00	NV 001044901J	WINDOW, DOOR	壓克力板	L428xW178xH2	1.00	EA
140.00	MN 0113510	HEXAGON NUT	六角螺帽	M5xP0.8	6.00	EA
141.00	BL 00103590101	DOOR LATCH	壓扣把手(全銀色系列)	[Y]-LOONGJA-240-3-B	1.00	EA
142.00	NVA000199032J	BRACKET	托架	L74xW55xH52	1.00	EA
143.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
144.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
145.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
146.00	NV 000599082J	PLATE	護板	L799xW20xH63	1.00	EA
147.00	NV 000022112J	ROD, FRONT DOOR GUIDE	前門滑道(前)	D14.3xL714	1.00	EA
148.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
149.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
150.00	NV 000022113J	ROD, FRONT DOOR GUIDE	前門滑道(後)	D14.3xL1164	1.00	EA
151.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA

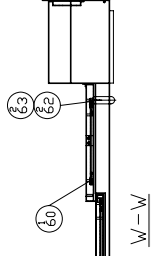
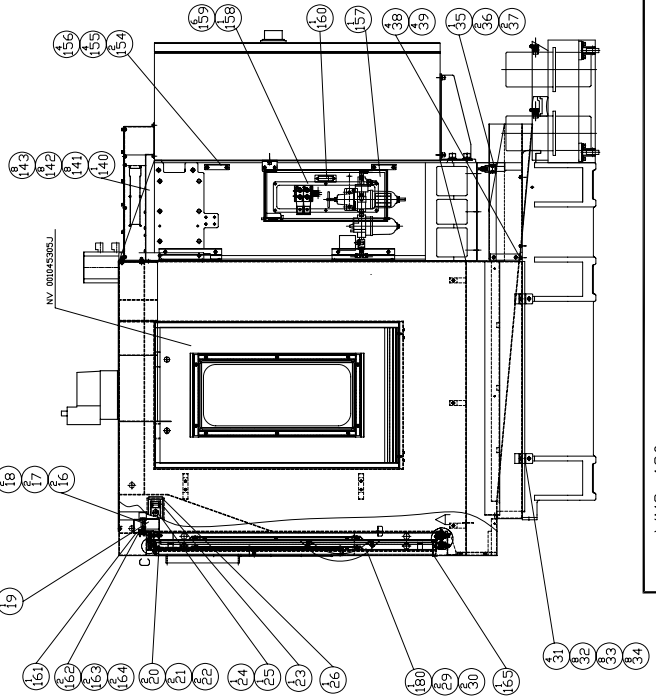
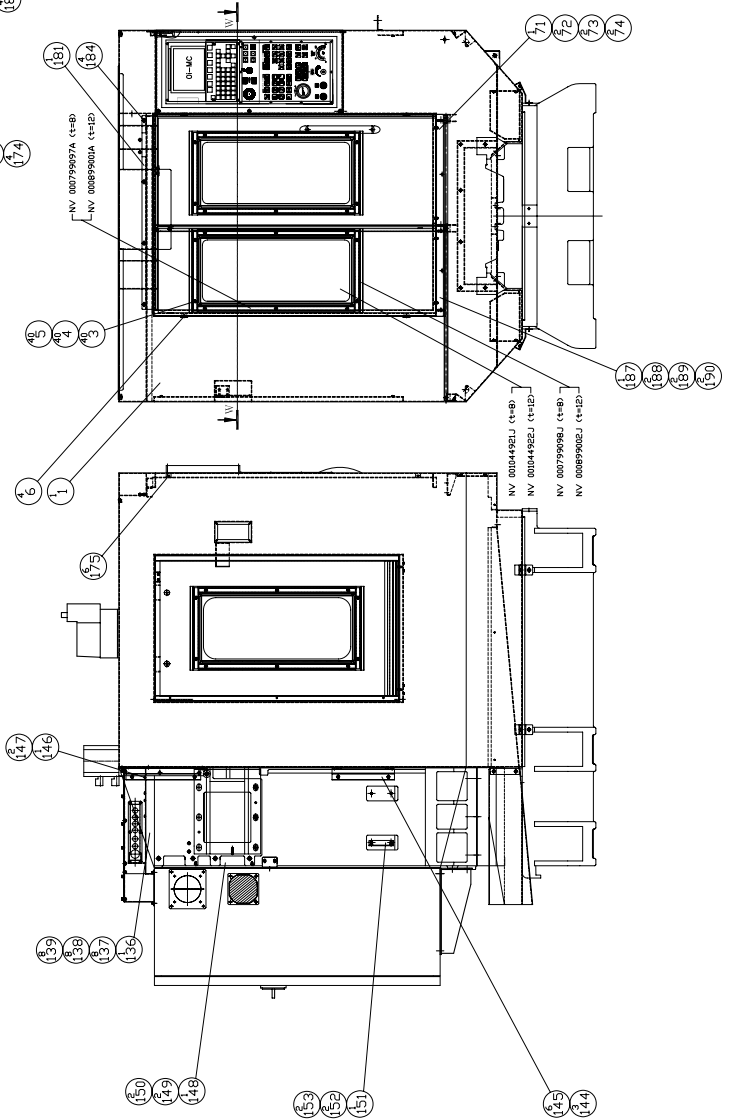
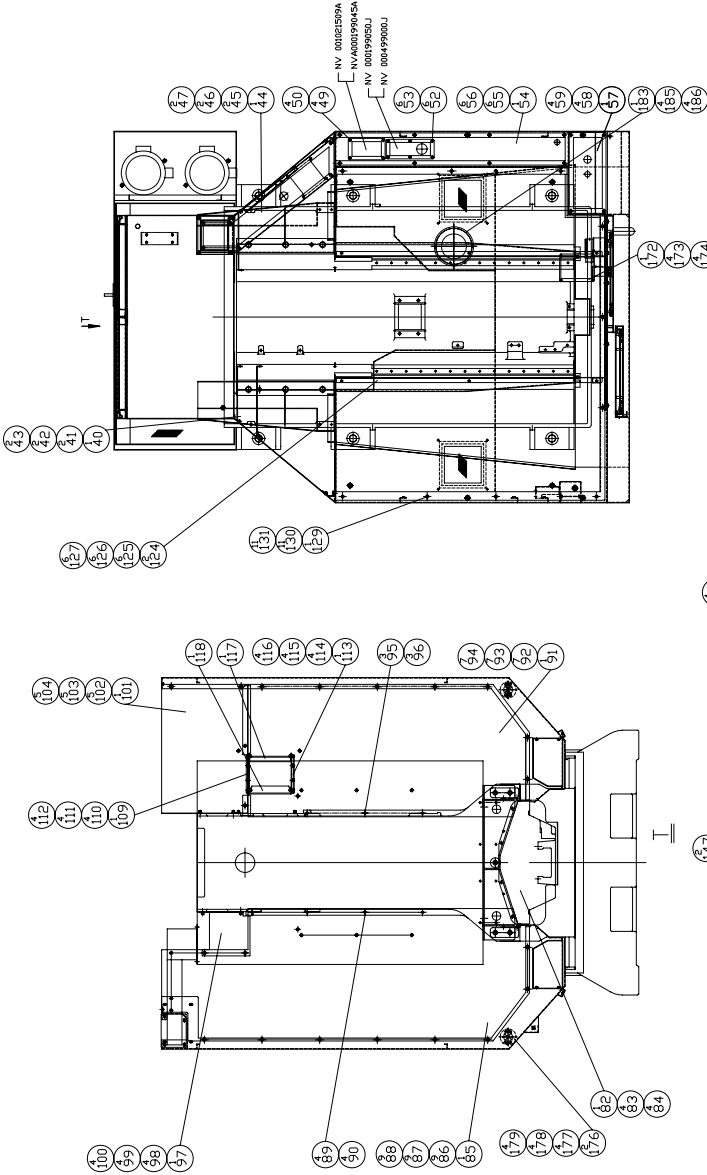
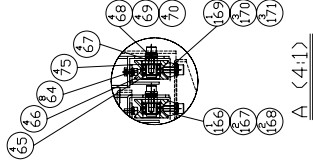
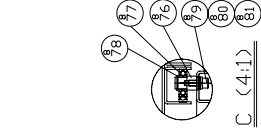
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
152.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
153.01	NV 000022158J	COVER PLATE, GUARD UPER	上蓋板	L944xW519xH115	1.00	EA
154.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
155.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
156.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
157.02	NV 000022159J	COVER PLATE, GUARD UPER	上蓋板	L941xW382.5xH145	1.00	EA
158.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
159.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
160.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
161.01	NV 000022161J	COVER PLATE, GUARD UPER	上蓋板	L1159.5xW155xH12	1.00	EA
162.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
163.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
164.00	NV 000022162J	COVER	上蓋	L1080xW352.3xH290	1.00	EA
165.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	8.00	EA
166.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
167.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
168.00	NV 001011517A	COVER, HEADSTOCK FRONT	主軸箱前蓋	L766.6xW362xH122.3	1.00	EA
169.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	2.00	EA
170.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	2.00	EA
171.00	NV 00078760030	RUBBER, B TYPE	B型消音橡膠墊(小)	B型(小)(台灣引興)	6.00	EA
172.00	NV 000299024J	COVER	蓋板	D65xH2.3	2.00	EA
173.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
174.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
175.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
176.00	NV 000699001A	HANDLE ASSEMBLY	把手組成	ASSM	1.00	ST
177.01	NVA000699097J	SPLASH GUARD	擋水板	L790xW62.7xH8.3	1.00	EA
179.00	NV 000299078A	COVER, SUCTION	抽風機蓋板	DΦ160xH2.3	1.00	ST
180.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	4.00	EA
181.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
182.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
183.00	NV 000378023J	PLATE, SPLASH GUARD	擋水板	L373xW20xH12	1.00	ST
184.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
185.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
186.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	■ NV 0002211 NV 0002211 外罩 (002201)	2006/1/23	TN/0655
B	■ NV 0004540 NV 0004540 外罩 (002201) (002201)	2006/2/8	TN/0655
C	■ 仕様 183 仕様 183-186 案	2006/4/07	26
D	■ 仕様 183 仕様 183-186 案	2007/5/07	575



MODEL: VMC-480	PART NUMBER: NV B001045303L	PAGE: 1 OF 1
PART NAME: ENCLOSURE ASSM(40 Carousel)	SCALE: 1:32	REV: D
外型板金(40寸立式ATC)	DATE: 2006/2/7	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVB001045303L

Description: ENCLOSURE ASSM(#40 Carousel AT
外型板金(#40斗笠式ATC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.02	NVC000022111J	GUARD	外型板金	L1654.7xW1515xH1199.7	1.00	EA
3.01	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	40.00	EA
4.01	MW 0183610	SPRING WASHER	彈簧墊圈	M6	40.00	EA
5.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	40.00	EA
6.00	NV 001033102A	PLUG, SPLASH GUARD	孔塞	D30.5xL9.5	4.00	EA
16.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
17.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
18.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
19.00	NVA000199031J	BRACKET	托架	L80xW40xH75	1.00	EA
20.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
21.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
22.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
23.00	NV 000599063A	COVER	蓋(網路孔)	L36xW18xH2.3	1.00	ST
24.00	NV 001064201A	HANDLE	把手	L16xd25xM4	1.00	EA
25.00	MS 0313413	FLAT HD. SOCKET	六角穴平頭螺絲	M4xP0.7xL6	1.00	EA
26.00	NV 000199058A	COVER, OPERATING PANEL CASE	蓋板	L113xW58xH2.3	1.00	EA
29.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
30.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
31.00	NV 000199030J	BRACKET	托架	L88.7xW40xH54.6	4.00	EA
32.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
33.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
34.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
35.00	NV 000199064A	SUPPORT, SILENCER	消音器座	L35XW45XH25	1.00	EA
36.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
37.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
38.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
39.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
40.00	NVA000199029J	GUIDE,COOLANT	導水槽	L440.3xW111.7xH103	1.00	EA
41.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
42.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
43.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
44.00	NVA000199028J	GUIDE,COOLANT	導水槽	L555.3xW203.5xH180.3	1.00	EA
45.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
46.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
47.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
49.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
50.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
52.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	6.00	EA
53.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
54.00	NV 000199049J	PLATE	蓋板	L953xW131xH2.3	1.00	EA
55.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
56.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
57.01	NVA001011523J	COVER	蓋板	L:330xW:151xH:2.3	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
58.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
59.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
60.01	NVB000378002J	FRONT DOOR	前門	L1192xW478xH49	1.00	EA
60.02	NVB000378002J	FRONT DOOR	前門	L1192xW478xH49	1.00	EA
61.01	NVB000378003J	FRONT DOOR	前門	L1192xW373xH49.5	1.00	EA
62.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
63.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
64.00	NV 00002660318	Deep-grooved ball bearing	深溝滾珠軸承	6800ZZ	8.00	EA
65.00	NV 00082310203	RING, C-RETAINING	外扣環	S-10	4.00	EA
66.00	NVB0000942400J	ROLLER, DOOR	滑輪	D34xL17	4.00	EA
67.00	NVB000403802J	SHAFT, DOOR ROLLER	輪軸	D12xL21	4.00	EA
68.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
69.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
70.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
71.00	NV 000378020J	PLATE, SPLASH GUARD	檔水板	L478xW20xH30	1.00	EA
72.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
73.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
74.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
75.00	NV 00082310111	RING, C-RETAINING	C型內扣	R-19	4.00	EA
76.00	NV 000403801A	SHAFT, DOOR ROLLER	輪軸	D14.3xL23.5	8.00	EA
77.00	NV 00002660104	BALL BEARING	單列深槽滾珠軸承	6001ZZ	8.00	EA
78.00	NV 00082310201	RING, C-RETAINING	C型外扣	S-12	8.00	EA
79.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
80.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
81.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
82.00	NV 000199055J	COVER	蓋板	L510xW240xH2.3	1.00	EA
83.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
84.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
85.00	NV 000199045J	REAR COVER	後擋板	L1499.5xW540xH2.3	1.00	EA
86.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	9.00	EA
87.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	9.00	EA
88.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	9.00	EA
89.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
90.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
91.01	NV 000199044J	REAR COVER	後擋板	L1169.5xW540xH2.3	1.00	EA
92.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	7.00	EA
93.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	7.00	EA
94.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	7.00	EA
95.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
96.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
97.00	NV 000199041L	REAR COVER	後擋板	L215xW154xH180	1.00	EA
98.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
99.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
100.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
101.01	NV 000199039J	REAR COVER	後擋板	L532xW350xH72.3	1.00	EA
102.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
103.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
104.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
109.00	NV 000199008L	PLATE	板	L163xW25xH12	1.00	EA
110.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
111.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
112.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
113.01	NVA000199001J	PLATE, SPLASH GUARD	擋水板	L360xW123xH15	1.00	EA
113.02	NV 000199009L	PLATE	板	L163xW25xH60	1.00	EA
114.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
115.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
116.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
117.00	NV 000199010L	PLATE	板	L171xW25xH34	1.00	EA
118.00	NV 000199011L	PLATE	板	L268XW59.5XH10.3	1.00	EA
124.00	NV 000599083J	PLATE, CHIP TANK	檔屑板	L:980xW32xH:25	2.00	EA
125.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	6.00	EA
126.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
127.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
129.01	NV 000022118L	COVER PLATE, GUARD UPER	上蓋板	L:1357.5xW:1100xH:215	1.00	EA
130.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	11.00	EA
131.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	11.00	EA
136.00	NV 000299005J	SIDE COVER(LEFT)	立柱側蓋(左)	L:544.5xW:1415.5xH:18	1.00	EA
137.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
138.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
139.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
140.00	NV 000299006J	SIDE COVER(RIGHT)	立柱側蓋(右)	L:544.5xW:1415.5xH:18	1.00	EA
141.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
142.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
143.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
144.00	NV 000299008J	BRACKET	立柱側蓋托架	L:255xW:22xH:49.8	3.00	EA
145.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	6.00	EA
146.00	NV 000299009J	BRACKET(LEFT)	立柱側蓋托架(左)	L:305xW:22xH:49.8	1.00	EA
147.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	2.00	EA
148.00	NV 000299010J	BRACKET(LEFT)	立柱側蓋托架(左)	L:232.6xW:21.5xH:250	1.00	EA
149.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
150.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
151.00	NV 000299011J	BRACKET(LEFT)	立柱側蓋托架(左)	L:299.6xW:21.5xH:100	1.00	EA
152.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
153.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
154.00	NV 000299012J	BRACKET(RIGHT)	立柱側蓋托架(右)	L:247.6xW:21.5xH:100	2.00	EA
155.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
156.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
157.00	NV 000299007J	ROTARY DOOR	旋轉門	L:496xW:265xH:19	1.00	EA
158.00	NV 001044901J	WINDOW, DOOR	壓克力板	L428xW178xH2	1.00	EA
159.00	MN 0113510	HEXAGON NUT	六角螺帽	M5xP0.8	6.00	EA
160.00	BL 00103590101	DOOR LATCH	壓扣把手(全銀色系列)	[YI-LOONG]A-240-3-B	1.00	EA
161.00	NVA000199032J	BRACKET	托架	L74xW55xH52	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
162.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
163.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
164.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
165.00	NV 000599082J	PLATE	護板	L799xW20xH63	1.00	EA
166.00	NV 000022112J	ROD, FRONT DOOR GUIDE	前門滑道(前)	D14.3xL714	1.00	EA
167.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
168.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
169.00	NV 000022113J	ROD, FRONT DOOR GUIDE	前門滑道(後)	D14.3xL1164	1.00	EA
170.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
171.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
172.00	NV 000022133A	SIDE COVER(LEFT ENCLOSURE)	側蓋(左外型板金)	L142xW112xH2.3	1.00	EA
173.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	4.00	EA
174.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
175.00	NV 00078760030	RUBBER,B TYPE	B型消音橡膠墊(小)	B型(小)(台灣引興)	6.00	EA
176.00	NV 000299024J	COVER	蓋板	D65xH2.3	2.00	EA
177.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
178.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
179.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
180.00	NV 000699001A	HANDLE ASSEMBLY	把手組成	ASSM	1.00	ST
181.01	NVA000699097J	SPLASH GUARD	擋水板	L790xW62.7xH8.3	1.00	EA
183.00	NV 000299078A	COVER, SUCTION	抽風機蓋板	DΦ160xH2.3	1.00	ST
184.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	4.00	EA
185.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
186.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
187.00	NV 000378023J	PLATE, SPLASH GUARD	擋水板	L373xW20xH12	1.00	ST
188.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
189.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
190.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVC001045302L

Description: ENCLOSURE ASSM(#40 Swing arm
外型板金(#40換刀臂ATC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.02	NVC000022111J	GUARD	外型板金	L1654.7xW1515xH1199.7	1.00	EA
3.01	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	40.00	EA
4.01	MW 0183610	SPRING WASHER	彈簧墊圈	M6	40.00	EA
5.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	40.00	EA
6.00	NV 001033102A	PLUG, SPLASH GUARD	孔塞	D30.5xL9.5	4.00	EA
16.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
17.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
18.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
19.00	NVA000199031J	BRACKET	托架	L80xW40xH75	1.00	EA
20.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
21.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
22.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
23.00	NV 000599063A	COVER	蓋(網路孔)	L36xW18xH2.3	1.00	ST
24.00	NV 001064201A	HANDLE	把手	L16xd25xM4	1.00	EA
25.00	MS 0313413	FLAT HD. SOCKET	六角穴平頭螺絲	M4xP0.7xL6	1.00	EA
26.00	NV 000199058A	COVER, OPERATING PANEL CASE	蓋板	L113xW58xH2.3	1.00	EA
29.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
30.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
31.00	NV 000199030J	BRACKET	托架	L88.7xW40xH54.6	4.00	EA
32.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
33.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
34.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
35.00	NV 000199064A	SUPPORT, SILENCER	消音器座	L35XW45XH25	1.00	EA
36.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
37.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
38.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
39.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
40.00	NVA000199029J	GUIDE,COOLANT	導水槽	L440.3xW111.7xH103	1.00	EA
41.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
42.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
43.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
44.00	NVA000199028J	GUIDE,COOLANT	導水槽	L555.3xW203.5xH180.3	1.00	EA
45.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
46.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
47.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
48.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
49.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
50.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
52.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	6.00	EA
53.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
54.00	NV 000199049J	PLATE	蓋板	L953xW131xH2.3	1.00	EA
55.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
56.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
57.01	NVA001011523J	COVER	蓋板	L:330xW:151xH:2.3	1.00	EA
58.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
59.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
60.02	NVB000378002J	FRONT DOOR	前門	L1192xW478xH49	1.00	EA
61.01	NVB000378003J	FRONT DOOR	前門	L1192xW373xH49.5	1.00	EA
62.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
63.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
64.00	NV 00002660318	Deep-grooved ball bearing	深溝滾珠軸承	6800ZZ	8.00	EA
65.00	NV 00082310203	RING, C-RETAINING	外扣環	S-10	4.00	EA
66.00	NVB0000942400J	ROLLER, DOOR	滑輪	D34xL17	4.00	EA
67.00	NVB000403802J	SHAFT, DOOR ROLLER	輪軸	D12xL21	4.00	EA
68.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
69.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
70.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
71.00	NV 000378020J	PLATE, SPLASH GUARD	檔水板	L478xW20xH30	1.00	EA
72.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
73.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
74.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
75.00	NV 00082310111	RING, C-RETAINING	C型內扣	R-19	4.00	EA
76.00	NV 000403801A	SHAFT, DOOR ROLLER	輪軸	D14.3xL23.5	8.00	EA
77.00	NV 00002660104	BALL BEARING	單列深槽滾珠軸承	6001ZZ	8.00	EA
78.00	NV 00082310201	RING, C-RETAINING	C型外扣	S-12	8.00	EA
79.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
80.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
81.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
82.00	NV 000199055J	COVER	蓋板	L510xW240xH2.3	1.00	EA
83.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
84.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
85.00	NV 000199045J	REAR COVER	後擋板	L1499.5xW540xH2.3	1.00	EA
86.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	9.00	EA
87.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	9.00	EA
88.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	9.00	EA
89.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
90.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
91.01	NV 000199044J	REAR COVER	後擋板	L1169.5xW540xH2.3	1.00	EA
92.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	7.00	EA
93.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	7.00	EA
94.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	7.00	EA
95.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
96.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
97.00	NV 000199041L	REAR COVER	後擋板	L215xW154xH180	1.00	EA
98.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
99.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
100.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
101.01	NV 000199039J	REAR COVER	後擋板	L532xW350xH72.3	1.00	EA
102.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
103.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
104.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
109.00	NVA000199047J	PLATE,SPLASH GUARD	擋水板	L372xW152xH123	1.00	EA
110.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
111.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
112.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
113.01	NVA000199001J	PLATE, SPLASH GUARD	擋水板	L360xW123xH15	1.00	EA
114.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
115.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
116.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
117.00	NV 000199005J	PLATE, SPLASH GUARD	擋水板	L123xW35xH60	1.00	EA
118.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
119.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
120.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
121.00	NV 000599083J	PLATE, CHIP TANK	檔屑板	L:980xW32xH:25	2.00	EA
122.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
123.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
124.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
129.02	NVA00022117L	COVER PLATE, GUARD UPER	上蓋板	L:1357.5xW1099xH215	1.00	EA
130.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	11.00	EA
131.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	11.00	EA
136.00	NV 000299005J	SIDE COVER(LEFT)	立柱側蓋(左)	L:544.5xW:1415.5xH:18	1.00	EA
137.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

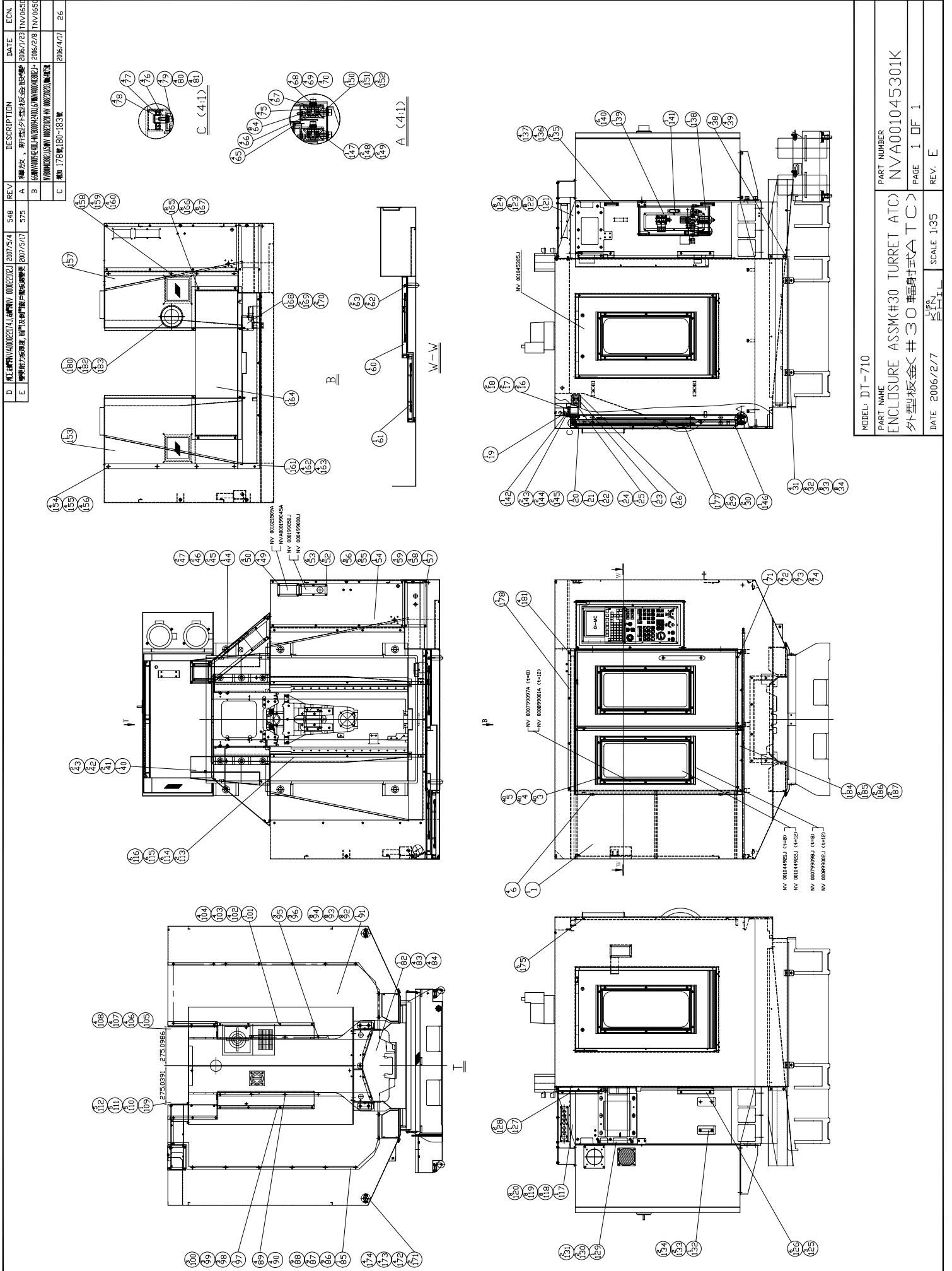
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
138.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
139.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
140.00	NV 000299006J	SIDE COVER(RIGHT)	立柱側蓋(右)	L:544.5xW:1415.5xH:18	1.00	EA
141.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
142.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
143.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
144.00	NV 000299008J	BRACKET	立柱側蓋托架	L:255xW:22xH:49.8	3.00	EA
145.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	6.00	EA
146.00	NV 000299009J	BRACKET(LEFT)	立柱側蓋托架(左)	L:305xW:22xH:49.8	1.00	EA
147.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	2.00	EA
148.00	NV 000299010J	BRACKET(LEFT)	立柱側蓋托架(左)	L:232.6xW:21.5xH:250	1.00	EA
149.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
150.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
151.00	NV 000299011J	BRACKET(LEFT)	立柱側蓋托架(左)	L:299.6xW:21.5xH:100	1.00	EA
152.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
153.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
154.00	NV 000299012J	BRACKET(RIGHT)	立柱側蓋托架(右)	L:247.6xW:21.5xH:100	2.00	EA
155.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
156.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
157.00	NV 000299007J	ROTARY DOOR	旋轉門	L:496xW:265xH:19	1.00	EA
158.00	NV 001044901J	WINDOW, DOOR	壓克力板	L428xW178xH2	1.00	EA
159.00	MN 0113510	HEXAGON NUT	六角螺帽	M5xP0.8	6.00	EA
160.00	BL 00103590101	DOOR LATCH	壓扣把手(全銀色系列)	[Y]-LOONGJA-240-3-B	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
161.00	NVA000199032J	BRACKET	托架	L74xW55xH52	1.00	EA
162.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
163.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
164.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
165.00	NV 000599082J	PLATE	護板	L799xW20xH63	1.00	EA
166.00	NV 000022112J	ROD, FRONT DOOR GUIDE	前門滑道(前)	D14.3xL174	1.00	EA
167.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
168.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
169.00	NV 000022113J	ROD, FRONT DOOR GUIDE	前門滑道(後)	D14.3xL1164	1.00	EA
170.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
171.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
172.00	NV 000022133A	SIDE COVER(LEFT ENCLOSURE)	側蓋(左外型板金)	L142xW112xH2.3	1.00	EA
173.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	4.00	EA
174.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
175.00	NV 00078760030	RUBBER,B TYPE	B型消音橡膠墊(小)	B型(小)(台灣引興)	6.00	EA
176.00	NV 000299024J	COVER	蓋板	D65xH2.3	2.00	EA
177.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
178.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
179.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
180.00	NV 000699001A	HANDLE ASSEMBLY	把手組成	ASSM	1.00	ST
181.01	NVA000699097J	SPLASH GUARD	擋水板	L790xW62.7xH8.3	1.00	EA
183.00	NV 000299078A	COVER, SUCTION	抽風機蓋板	Dφ160xH2.3	1.00	ST
184.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
185.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
186.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
187.00	NV 000378023J	PLATE, SPLASH GUARD	擋水板	L373xW20xH12	1.00	ST
188.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
189.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
190.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA



D	東芝電機(株) 000202744 機内用	00020202	2007/5/4	548	REV	DESCRIPTION	DATE	ECN
A	機内用	新設計	2006/1/23	TN/0655				
B	機内用	機内用	2006/2/8	TN/0655				
C	機内用	機内用	2006/4/17	26				

MODEL: DT-710
 PART NAME: ENCLOSURE ASSM#30 TURRET ATC
 PART NUMBER: NVA001045301K
 外型寸法金<#30 轉射式> T C
 DATE: 2006/2/7
 SCALE: 1:35
 REV: E
 PAGE: 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVA001045301K

Description: ENCLOSURE ASSM(#30 TURRET ATC)
外型板金(#30輻射式ATC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	NVA00002211K	GUARD	外型板金	L1975xW1654.7xH1199.7	1.00	EA
1.02	NVA00002211K	GUARD	外型板金	L1975xW1654.7xH1199.7	1.00	EA
3.01	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	40.00	EA
4.01	MW 0183610	SPRING WASHER	彈簧墊圈	M6	40.00	EA
5.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	40.00	EA
6.00	NV 001033102A	PLUG, SPLASH GUARD	孔塞	D30.5xL9.5	4.00	EA
16.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
17.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
18.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
19.00	NVA000199031J	BRACKET	托架	L80xW40xH75	1.00	EA
20.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	1.00	EA
21.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	1.00	EA
22.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	1.00	EA
23.00	NV 000599063A	COVER	蓋(網路孔)	L36xW18xH2.3	1.00	ST
24.00	NV 001064201A	HANDLE	把手	L16xd25xM4	1.00	EA
25.00	MS 0313413	FLAT HD. SOCKET	六角穴平頭螺絲	M4xP0.7xL6	1.00	EA
26.00	NV 000199058A	COVER, OPERATING PANEL CASE	蓋板	L113xW58xH2.3	1.00	EA
29.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
30.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
31.00	NV 000199030J	BRACKET	托架	L88.7xW40xH54.6	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
32.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	8.00	EA
33.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
34.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
38.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
39.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
40.00	NVA000199029J	GUIDE,COOLANT	導水槽	L440.3xW111.7xH103	1.00	EA
41.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
42.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
43.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
44.00	NVA000199028J	GUIDE,COOLANT	導水槽	L555.3xW203.5xH180.3	1.00	EA
45.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
46.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
47.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
49.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
50.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
52.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	6.00	EA
53.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
54.00	NV 000199049K	PLATE	蓋板	L953xW326xH2.3	1.00	EA
55.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
56.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
57.01	NVA001011523J	COVER	蓋板	L:330xW:151xH:2.3	1.00	EA
58.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
59.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
60.02	NVB0000378002K	FRONT DOOR	前門	L1192xW575xH49	1.00	EA
61.01	NVA000378003K	FRONT DOOR	前門	L1192xW485xH49.5	1.00	EA
62.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
63.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
64.00	NV 00002660318	Deep-grooved ball bearing	深溝滾珠軸承	6800ZZ	8.00	EA
65.00	NV 00082310203	RING, C-RETAINING	外扣環	S-10	4.00	EA
66.00	NVB0000942400J	ROLLER, DOOR	滑輪	D34xL17	4.00	EA
67.00	NVB0000403802J	SHAFT, DOOR ROLLER	輪軸	D12xL21	4.00	EA
68.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
69.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
70.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
71.00	NV 000378020K	PLATE, SPLASH GUARD	檔水板	L538xW20xH30	1.00	EA
72.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
73.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
74.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
75.00	NV 00082310111	RING, C-RETAINING	C型內扣	R-19	4.00	EA
76.00	NV 000403801A	SHAFT, DOOR ROLLER	輪軸	D14.3xL23.5	4.00	EA
77.00	NV 00002660104	BALL BEARING	單列深槽滾珠軸承	6001ZZ	4.00	EA
78.00	NV 00082310201	RING, C-RETAINING	C型外扣	S-12	4.00	EA
79.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
80.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
81.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
82.00	NV 000199055J	COVER	蓋板	L510xW240xH2.3	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
83.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
84.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
85.00	NV 000199045K	REAR COVER	後擋板	L1499.5xW540xH2.3	1.00	EA
86.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	9.00	EA
87.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	9.00	EA
88.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	9.00	EA
89.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
90.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
91.00	NV 000199046K	REAR COVER	後擋板	L1499.5xW540xH2.3	1.00	EA
92.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
93.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
94.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
95.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
96.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
97.00	NV 000199015J	COVER (30 taper turret)	護蓋(30 taper turret)	L682.5xW126xH114.3	1.00	EA
98.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
99.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
100.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
101.00	NV 000199016J	COVER	護蓋	L682.5xW126xH124	1.00	EA
102.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
103.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
104.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
105.00	NV 000199042J	REAR COVER	後擋板	L360xW32xH33	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
106.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
107.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
108.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
109.00	NV 000199043J	REAR COVER	後擋板	L360xW140xH33	1.00	EA
110.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
111.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
112.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
113.00	NV 000599083J	PLATE, CHIP TANK	檔屑板	L:980xW32xH:25	2.00	EA
114.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	6.00	EA
115.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
116.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
117.00	NV 000299005J	SIDE COVER(LEFT)	立柱側蓋(左)	L:544.5xW:1415.5xH:18	1.00	EA
118.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
119.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
120.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
121.00	NV 000299006J	SIDE COVER(RIGHT)	立柱側蓋(右)	L:544.5xW:1415.5xH:18	1.00	EA
122.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
123.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
124.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
125.00	NV 000299008J	BRACKET	立柱側蓋托架	L:255xW:22xH:49.8	3.00	EA
126.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	6.00	EA
127.00	NV 000299009J	BRACKET(LEFT)	立柱側蓋托架(左)	L:305xW:22xH:49.8	1.00	EA
128.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
129.00	NV 000299010J	BRACKET(LEFT)	立柱側蓋托架(左)	L:232.6xW:21.5xH:250	1.00	EA
130.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
131.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
132.00	NV 000299011J	BRACKET(LEFT)	立柱側蓋托架(左)	L:299.6xW:21.5xH:100	1.00	EA
133.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
134.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
135.00	NV 000299012J	BRACKET(RIGHT)	立柱側蓋托架(右)	L:247.6xW:21.5xH:100	2.00	EA
136.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
137.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
138.00	NV 000299007J	ROTARY DOOR	旋轉門	L:496xW:265xH:19	1.00	EA
139.00	NV 001044901J	WINDOW, DOOR	壓克力板	L428xW178xH2	1.00	EA
140.00	MN 0113510	HEXAGON NUT	六角螺帽	M5xP0.8	6.00	EA
141.00	BL 00103590101	DOOR LATCH	壓扣把手(全銀色系列)	[Y]-LOONGJA-240-3-B	1.00	EA
142.00	NVA000199032J	BRACKET	托架	L74xW55xH52	1.00	EA
143.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
144.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
145.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
146.00	NVA000599082K	PLATE	護板	L854xW20xH23	1.00	EA
147.00	NV 000022112K	ROD, FRONT DOOR GUIDE	前門滑道(前)	D14.3xL958	1.00	EA
148.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
149.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
150.00	NVA000022113K	ROD, FRONT DOOR GUIDE	前門滑道	D14.3xL1474	1.00	EA
151.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA

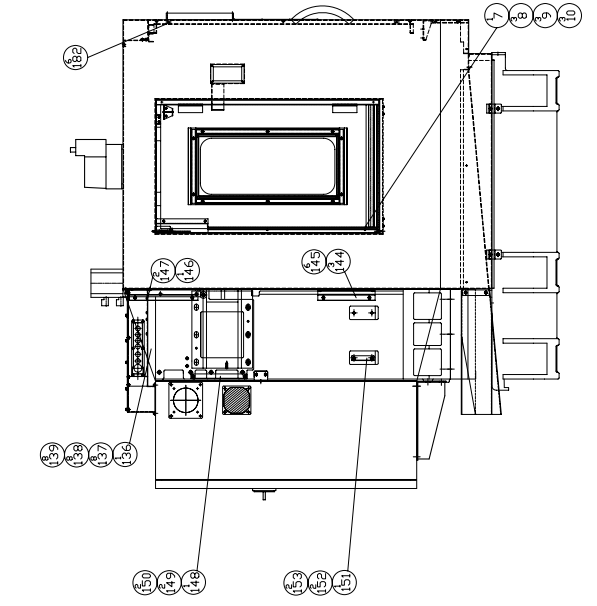
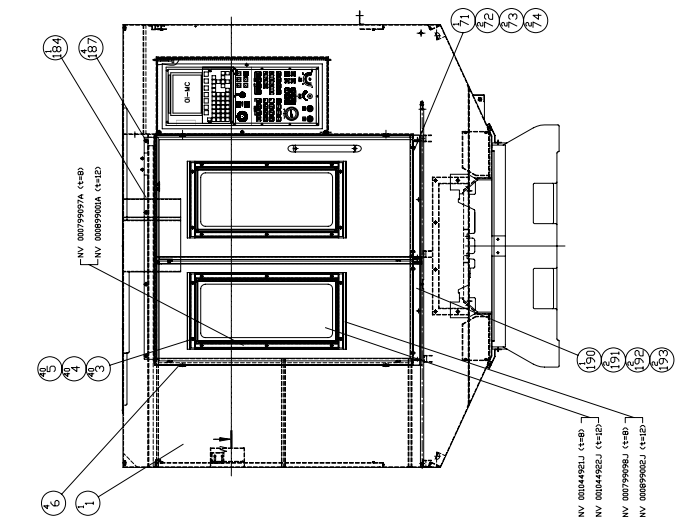
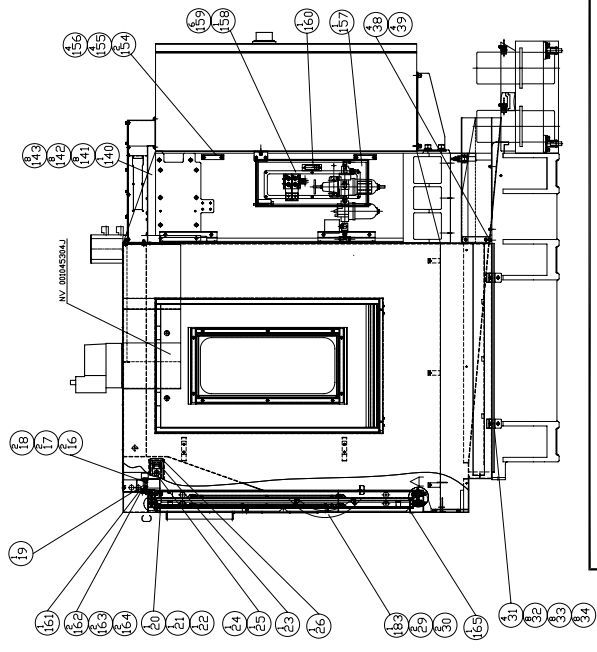
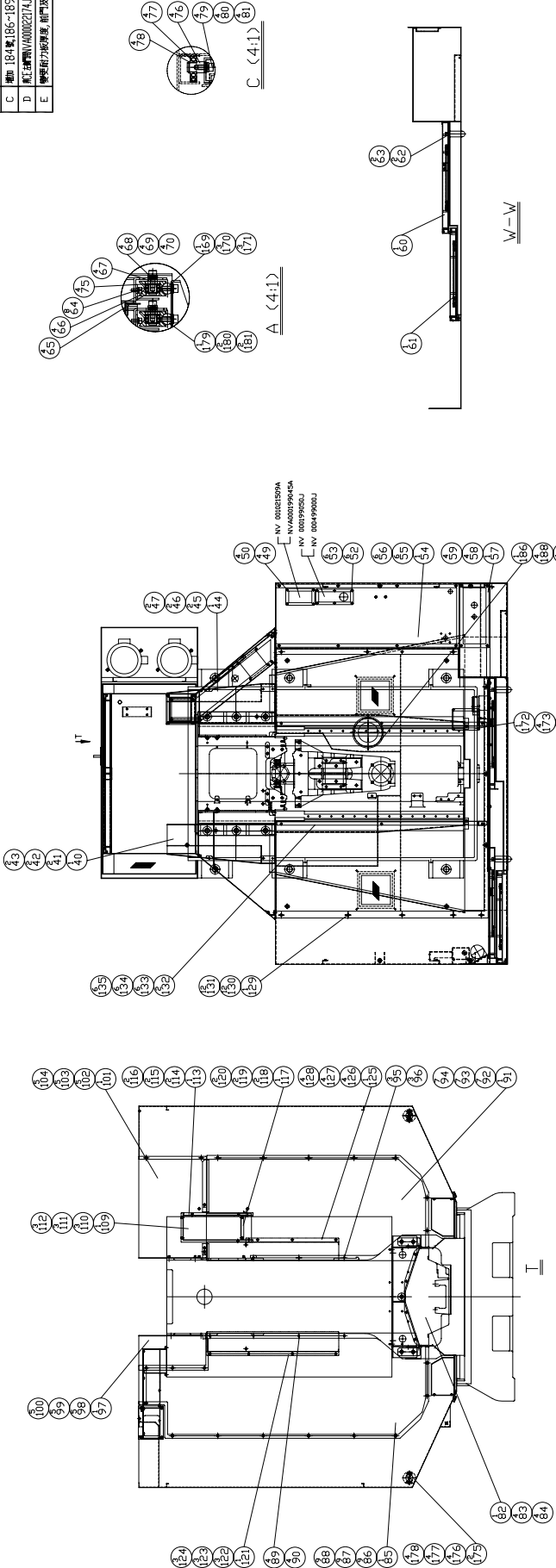
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
152.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
153.01	NV 000022158J	COVER PLATE, GUARD UPER	上蓋板	L944xW519xH115	1.00	EA
154.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
155.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
156.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
157.01	NV 000022159K	COVER PLATE, GUARD UPER	上蓋板	L941xW417.5xH145	1.00	EA
157.02	NV 000022159K	COVER PLATE, GUARD UPER	上蓋板	L941xW417.5xH145	1.00	EA
158.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
159.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
160.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
161.00	NVA000022161K	COVER PLATE, GUARD UPER	上蓋板	L1242.5xW155xH12	1.00	EA
162.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
163.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
164.00	NV 000022162J	COVER	上蓋	L1080xW352.3xH290	1.00	EA
165.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	8.00	EA
166.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
167.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
168.00	NV 001011517A	COVER, HEADSTOCK FRONT	主軸箱前蓋	L766.6xW362xH122.3	1.00	EA
169.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	2.00	EA
170.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	2.00	EA
171.00	NV 000299024J	COVER	蓋板	D65xH2.3	2.00	EA
172.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
173.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
174.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
175.00	NV 00078760030	RUBBER,B TYPE	B型消音橡膠墊(小)	B型(小)(台灣引興)	6.00	EA
177.00	NV 000699001A	HANDLE ASSEMBLY	把手組成	ASSM	1.00	ST
178.01	NVA000699097K	SPLASH GUARD	擋水板	L990xW62.7xH8.3	1.00	EA
180.00	NV 000299078A	COVER, SUCTION	抽風機蓋板	DΦ160xH2.3	1.00	ST
181.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	4.00	EA
182.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
183.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
184.00	NV 000378023K	PLATE, SPLASH GUARD	擋水板	L485xW20xH12	1.00	ST
185.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
186.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
187.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	機殼改 新增外殼材料壽命和重量	2006/1/23	TN/0655
B	機殼改 新增外殼材料壽命和重量	2006/2/8	TN/0655
C	機殼改 新增外殼材料壽命和重量	2006/4/17	26
D	機殼改 新增外殼材料壽命和重量	2007/5/14	548
E	機殼改 新增外殼材料壽命和重量	2007/5/17	575



MODEL: DT-710	SCALE: 1:35
PART NAME: ENCLOSURE ASSM#30 Swing arm ATC	SCALE: 1:35
PART NUMBER: NVA001045302K	SCALE: 1:35
PAGE: 1 OF 1	SCALE: 1:35
REV: E	SCALE: 1:35

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVA001045302K

Description: ENCLOSURE ASSM(#30 Swing arm A
外型板金(#30換刀臂ATC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	NVA00002211K	GUARD	外型板金	L1975xW1654.7xH1199.7	1.00	EA
1.02	NVA00002211K	GUARD	外型板金	L1975xW1654.7xH1199.7	1.00	EA
3.01	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	40.00	EA
4.01	MW 0183610	SPRING WASHER	彈簧墊圈	M6	40.00	EA
5.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	40.00	EA
6.00	NV 001033102A	PLUG, SPLASH GUARD	孔塞	D30.5xL9.5	4.00	EA
7.00	NV 000022211J	PLATE, LEFT SPLASH GUARD	左檔水板	L943xW26.6xH20.3	1.00	EA
8.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	3.00	EA
9.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	3.00	EA
10.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	3.00	EA
16.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
17.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
18.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
19.00	NVA000199031J	BRACKET	托架	L80xW40xH75	1.00	EA
20.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	1.00	EA
21.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	1.00	EA
22.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	1.00	EA
23.00	NV 000599063A	COVER	蓋(網路孔)	L36xW18xH2.3	1.00	ST
24.00	NV 001064201A	HANDLE	把手	L16xd25xM4	1.00	EA
25.00	MS 0313413	FLAT HD. SOCKET	六角穴平頭螺絲	M4xP0.7xL6	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
26.00	NV 000199058A	COVER, OPERATING PANEL CASE	蓋板	L113xW58xH2.3	1.00	EA
29.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
30.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
31.00	NV 000199030J	BRACKET	托架	L88.7xW40xH54.6	4.00	EA
32.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	8.00	EA
33.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
34.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
38.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
39.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
40.00	NVA000199029J	GUIDE,COOLANT	導水槽	L440.3xW111.7xH103	1.00	EA
41.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
42.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
43.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
44.00	NVA000199028J	GUIDE,COOLANT	導水槽	L555.3xW203.5xH180.3	1.00	EA
45.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
46.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
47.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
49.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
50.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
52.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	6.00	EA
53.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
54.00	NV 000199049K	PLATE	蓋板	L953xW326xH2.3	1.00	EA
55.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
56.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
57.01	NVA001011523J	COVER	蓋板	L:330xW:151xH:2.3	1.00	EA
58.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
59.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
60.02	NVB000378002K	FRONT DOOR	前門	L1192xW575xH49	1.00	EA
61.01	NVA000378003K	FRONT DOOR	前門	L1192xW485xH49.5	1.00	EA
62.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
63.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
64.00	NV 00002660318	Deep-grooved ball bearing	深溝滾珠軸承	6800ZZ	8.00	EA
65.00	NV 00082310203	RING, C-RETAINING	外扣環	S-10	4.00	EA
66.00	NVB000942400J	ROLLER, DOOR	滑輪	D34xL17	4.00	EA
67.00	NVB000403802J	SHAFT, DOOR ROLLER	輪軸	D12xL21	4.00	EA
68.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
69.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
70.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
71.00	NV 000378020K	PLATE, SPLASH GUARD	檔水板	L538xW20xH30	1.00	EA
72.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
73.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
74.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
75.00	NV 00082310111	RING, C-RETAINING	C型內扣	R-19	4.00	EA
76.00	NV 000403801A	SHAFT, DOOR ROLLER	輪軸	D14.3xL23.5	4.00	EA
77.00	NV 00002660104	BALL BEARING	單列深槽滾珠軸承	6001ZZ	4.00	EA
78.00	NV 00082310201	RING, C-RETAINING	C型外扣	S-12	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
79.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
80.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
81.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
82.00	NV 000199055J	COVER	蓋板	L510xW240xH2.3	1.00	EA
83.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
84.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
85.00	NV 000199045K	REAR COVER	後擋板	L1499.5xW540xH2.3	1.00	EA
86.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	9.00	EA
87.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	9.00	EA
88.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	9.00	EA
89.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
90.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
91.01	NV 000199044K	REAR COVER	後擋板	L1169.5xW545xH2.3	1.00	EA
92.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	7.00	EA
93.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	7.00	EA
94.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	7.00	EA
95.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
96.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
97.00	NV 000199040J	REAR COVER	後擋板	L360xW154xH180	1.00	EA
98.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
99.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
100.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
101.01	NV 000199039J	REAR COVER	後擋板	L532xW350xH72.3	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
102.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
103.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
104.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
109.00	NVA000199047J	PLATE,SPLASH GUARD	擋水板	L372xW152xH123	1.00	EA
110.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
111.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
112.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
113.01	NVA000199001J	PLATE, SPLASH GUARD	擋水板	L360xW123xH15	1.00	EA
114.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
115.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
116.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
117.00	NV 000199005J	PLATE, SPLASH GUARD	擋水板	L123xW35xH60	1.00	EA
118.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
119.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
120.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
121.00	NV 000199015J	COVER (30 taper turret)	護蓋(30 taper turret)	L682.5xW126xH114.3	1.00	EA
122.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
123.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
124.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
125.01	NV 000199012J	COVER	護蓋	L:703xW:126xH:114.3	1.00	EA
126.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
127.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
128.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
129.02 NVB000022117K	COVER PLATE, GUARD UPER	上蓋板	L:1392.5xW:1099xH:260	1.00	EA
130.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	12.00	EA
131.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	12.00	EA
132.00 NV 000599083J	PLATE, CHIP TANK	檔屑板	L:980xW:32xH:25	2.00	EA
133.00 MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	6.00	EA
134.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
135.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
136.00 NV 000299005J	SIDE COVER(LEFT)	立柱側蓋(左)	L:544.5xW:1415.5xH:18	1.00	EA
137.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
138.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
139.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
140.00 NV 000299006J	SIDE COVER(RIGHT)	立柱側蓋(右)	L:544.5xW:1415.5xH:18	1.00	EA
141.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
142.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
143.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
144.00 NV 000299008J	BRACKET	立柱側蓋托架	L:255xW:22xH:49.8	3.00	EA
145.00 MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	6.00	EA
146.00 NV 000299009J	BRACKET(LEFT)	立柱側蓋托架(左)	L:305xW:22xH:49.8	1.00	EA
147.00 MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	2.00	EA
148.00 NV 000299010J	BRACKET(LEFT)	立柱側蓋托架(左)	L:232.6xW:21.5xH:250	1.00	EA
149.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
150.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
151.00 NV 000299011J	BRACKET(LEFT)	立柱側蓋托架(左)	L:299.6xW:21.5xH:100	1.00	EA

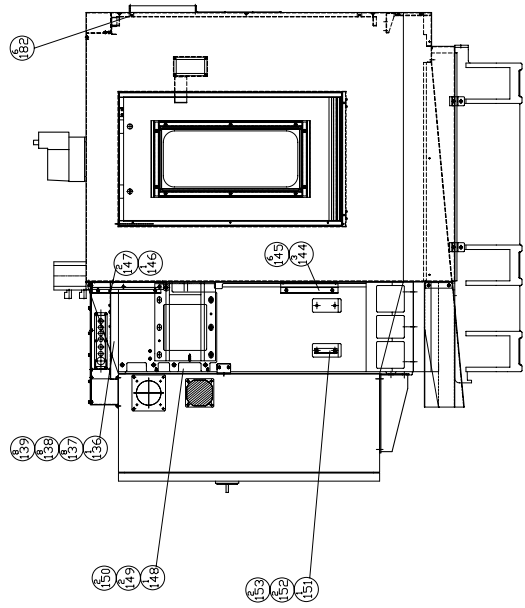
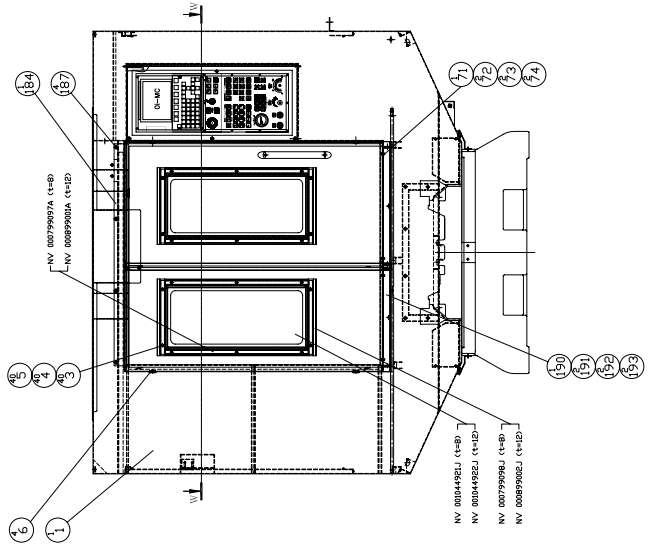
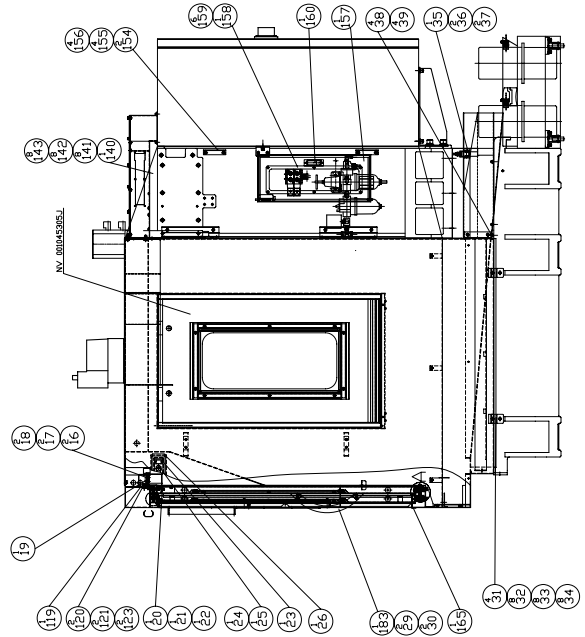
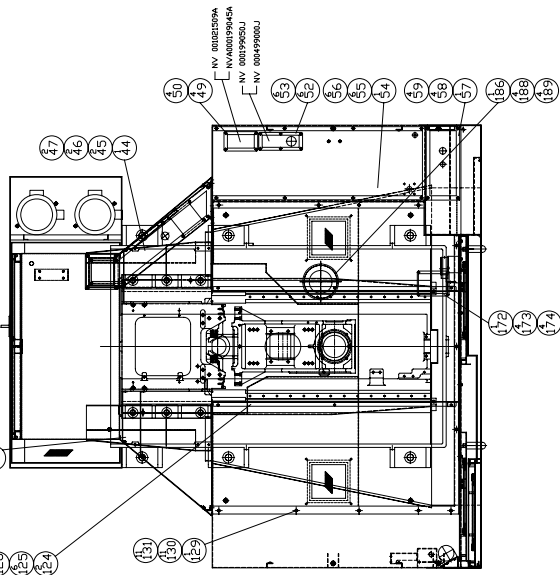
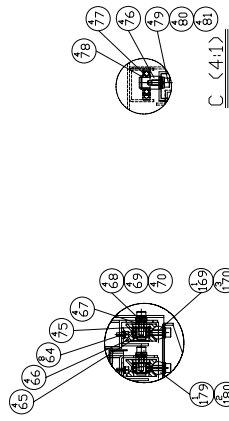
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
152.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
153.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
154.00	NV 000299012J	BRACKET(RIGHT)	立柱側蓋托架(右)	L:247.6xW:21.5xH:100	2.00	EA
155.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
156.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
157.00	NV 000299007J	ROTARY DOOR	旋轉門	L:496xW:265xH:19	1.00	EA
158.00	NV 001044901J	WINDOW, DOOR	壓克力板	L428xW178xH2	1.00	EA
159.00	MN 0113510	HEXAGON NUT	六角螺帽	M5xP0.8	6.00	EA
160.00	BL 00103590101	DOOR LATCH	壓扣把手(全銀色系列)	[YI-LOONG]A-240-3-B	1.00	EA
161.00	NVA000199032J	BRACKET	托架	L74xW55xH52	1.00	EA
162.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
163.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
164.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
165.00	NVA000599082K	PLATE	護板	L854xW20xH23	1.00	EA
169.00	NVA000022113K	ROD, FRONT DOOR GUIDE	前門滑道	D14.3xL1474	1.00	EA
170.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
171.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
172.00	NV 001011517A	COVER, HEADSTOCK FRONT	主軸箱前蓋	L766.6xW362xH122.3	1.00	EA
173.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	4.00	EA
174.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
175.00	NV 000299024J	COVER	蓋板	D65xH2.3	2.00	EA
176.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
177.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
178.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
179.00	NV 000022112K	ROD, FRONT DOOR GUIDE	前門滑道(前)	D14.3xL958	1.00	EA
180.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
181.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
182.00	NV 00078760030	RUBBER,B TYPE	B型消音橡膠墊(小)	B型(小)(台灣引興)	6.00	EA
183.00	NV 000699001A	HANDLE ASSEMBLY	把手組成	ASSM	1.00	ST
184.01	NVA000699097K	SPLASH GUARD	擋水板	L990xW62.7xH8.3	1.00	EA
186.00	NV 000299078A	COVER, SUCTION	抽風機蓋板	DΦ160xH2.3	1.00	ST
187.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	4.00	EA
188.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
189.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
190.00	NV 000378023K	PLATE, SPLASH GUARD	擋水板	L485xW20xH12	1.00	ST
191.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
192.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
193.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	機殼外觀尺寸及材料規格	2006/1/23	TN/0655
B	機殼內部零件及組裝規格	2006/2/8	TN/0655
C	機殼內部零件及組裝規格	2006/4/17	26
D	機殼內部零件及組裝規格	2007/5/17	575



MODEL: VMC-710	PART NUMBER: NVA001045303M
PART NAME: ENCLOSURE ASSM(40 Carousel)	PAGE: 1 OF 1
外型板金(40寸立式ATC)	REV: D
DATE: 2006/2/8	SCALE: 1:32

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVA001045303M

Description: ENCLOSURE ASSM(#40 Carousel AT
外型板金(#40斗笠式ATC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	NVA00002211K	GUARD	外型板金	L1975xW1654.7xH1199.7	1.00	EA
1.02	NVA00002211K	GUARD	外型板金	L1975xW1654.7xH1199.7	1.00	EA
3.01	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	40.00	EA
4.01	MW 0183610	SPRING WASHER	彈簧墊圈	M6	40.00	EA
5.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	40.00	EA
6.00	NV 001033102A	PLUG, SPLASH GUARD	孔塞	D30.5xL9.5	4.00	EA
16.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
17.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
18.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
19.00	NVA000199031J	BRACKET	托架	L80xW40xH75	1.00	EA
20.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	1.00	EA
21.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	1.00	EA
22.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	1.00	EA
23.00	NV 000599063A	COVER	蓋(網路孔)	L36xW18xH2.3	1.00	ST
24.00	NV 001064201A	HANDLE	把手	L16xd25xM4	1.00	EA
25.00	MS 0313413	FLAT HD. SOCKET	六角穴平頭螺絲	M4xP0.7xL6	1.00	EA
26.00	NV 000199058A	COVER, OPERATING PANEL CASE	蓋板	L113xW58xH2.3	1.00	EA
29.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
30.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
31.00	NV 000199030J	BRACKET	托架	L88.7xW40xH54.6	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
32.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	8.00	EA
33.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
34.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
35.00	NV 000199064A	SUPPORT, SILENCER	消音器座	L35XW45XH25	1.00	EA
36.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
37.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
38.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
39.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
40.00	NVA000199029J	GUIDE,COOLANT	導水槽	L440.3xW111.7xH103	1.00	EA
41.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
42.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
43.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
44.00	NVA000199028J	GUIDE,COOLANT	導水槽	L555.3xW203.5xH180.3	1.00	EA
45.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
46.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
47.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
49.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
50.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
52.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	6.00	EA
53.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
54.00	NV 000199049K	PLATE	蓋板	L953xW326xH2.3	1.00	EA
55.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
56.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
57.00	NV 001011523J	COVER	蓋板	L335xW154xH12	1.00	EA
58.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
59.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
60.02	NVB0000378002K	FRONT DOOR	前門	L1192xW575xH49	1.00	EA
61.01	NVA000378003K	FRONT DOOR	前門	L1192xW485xH49.5	1.00	EA
62.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
63.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
64.00	NV 00002660318	Deep-grooved ball bearing	深溝滾珠軸承	6800ZZ	8.00	EA
65.00	NV 00082310203	RING, C-RETAINING	外扣環	S-10	4.00	EA
66.00	NVB0000942400J	ROLLER, DOOR	滑輪	D34xL17	4.00	EA
67.00	NVB0000403802J	SHAFT, DOOR ROLLER	輪軸	D12xL21	4.00	EA
68.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
69.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
70.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
71.00	NV 000378020K	PLATE, SPLASH GUARD	檔水板	L538xW20xH30	1.00	EA
72.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
73.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
74.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
75.00	NV 00082310111	RING, C-RETAINING	C型內扣	R-19	4.00	EA
76.00	NV 000403801A	SHAFT, DOOR ROLLER	輪軸	D14.3xL23.5	4.00	EA
77.00	NV 00002660104	BALL BEARING	單列深槽滾珠軸承	6001ZZ	4.00	EA
78.00	NV 00082310201	RING, C-RETAINING	C型外扣	S-12	4.00	EA
79.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
80.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
81.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
82.00	NV 000199055J	COVER	蓋板	L510xW240xH2.3	1.00	EA
83.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
84.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
85.00	NV 000199045K	REAR COVER	後擋板	L1499.5xW540xH2.3	1.00	EA
86.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	9.00	EA
87.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	9.00	EA
88.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	9.00	EA
89.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
90.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
91.01	NV 000199044K	REAR COVER	後擋板	L1169.5xW545xH2.3	1.00	EA
92.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	7.00	EA
93.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	7.00	EA
94.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	7.00	EA
95.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
96.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
97.00	NV 000199041L	REAR COVER	後擋板	L215xW154xH180	1.00	EA
98.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
99.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
100.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
101.01	NV 000199039J	REAR COVER	後擋板	L532xW350xH72.3	1.00	EA
102.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
103.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
104.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
109.00	NV 000199008L	PLATE	板	L163xW25xH12	1.00	EA
110.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
111.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
112.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
113.00	NV 000199009L	PLATE	板	L163xW25xH60	1.00	EA
114.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
115.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
116.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
117.00	NV 000199010L	PLATE	板	L171xW25xH34	1.00	EA
118.00	NV 000199011L	PLATE	板	L268XW59.5XH10.3	2.00	EA
119.00	NVA000199032J	BRACKET	托架	L74xW55xH52	1.00	EA
120.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
121.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
123.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
124.00	NV 000599083J	PLATE, CHIP TANK	檔屑板	L:980xW32xH:25	2.00	EA
125.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	6.00	EA
126.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
127.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
129.01	NVA000022118M	COVER PLATE, GUARD UPER	上蓋板	L:1392.5xW:1099xH:215	1.00	EA
130.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	11.00	EA
131.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	11.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
136.00	NV 000299005J	SIDE COVER(LEFT)	立柱側蓋(左)	L:544.5xW:1415.5xH:18	1.00	EA
137.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
138.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
139.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
140.00	NV 000299006J	SIDE COVER(RIGHT)	立柱側蓋(右)	L:544.5xW:1415.5xH:18	1.00	EA
141.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
142.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
143.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
144.00	NV 000299008J	BRACKET	立柱側蓋托架	L:255xW:22xH:49.8	3.00	EA
145.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	6.00	EA
146.00	NV 000299009J	BRACKET(LEFT)	立柱側蓋托架(左)	L:305xW:22xH:49.8	1.00	EA
147.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	2.00	EA
148.00	NV 000299010J	BRACKET(LEFT)	立柱側蓋托架(左)	L:232.6xW:21.5xH:250	1.00	EA
149.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
150.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
151.00	NV 000299011J	BRACKET(LEFT)	立柱側蓋托架(左)	L:299.6xW:21.5xH:100	1.00	EA
152.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
153.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
154.00	NV 000299012J	BRACKET(RIGHT)	立柱側蓋托架(右)	L:247.6xW:21.5xH:100	2.00	EA
155.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
156.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
157.00	NV 000299007J	ROTARY DOOR	旋轉門	L:496xW:265xH:19	1.00	EA
158.00	NV 001044901J	WINDOW, DOOR	壓克力板	L428xW178xH2	1.00	EA

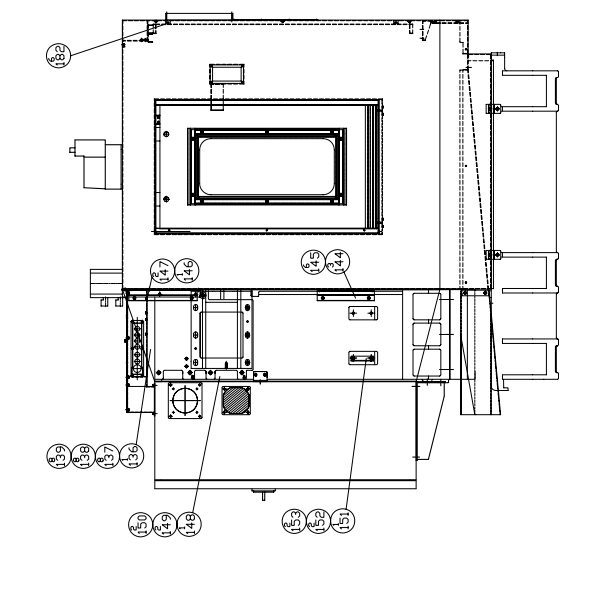
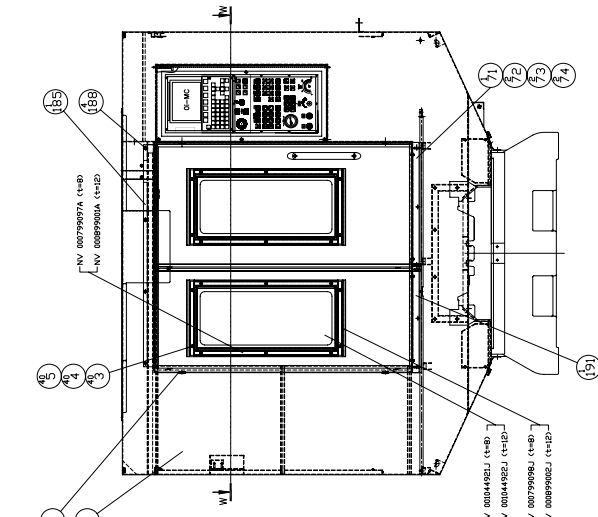
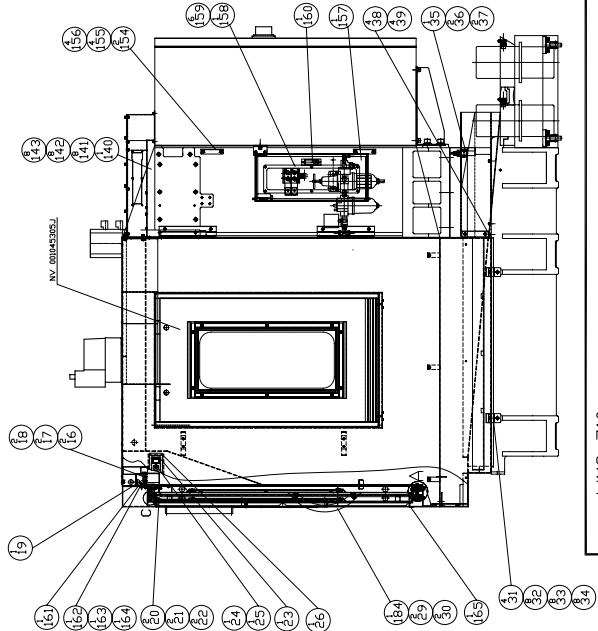
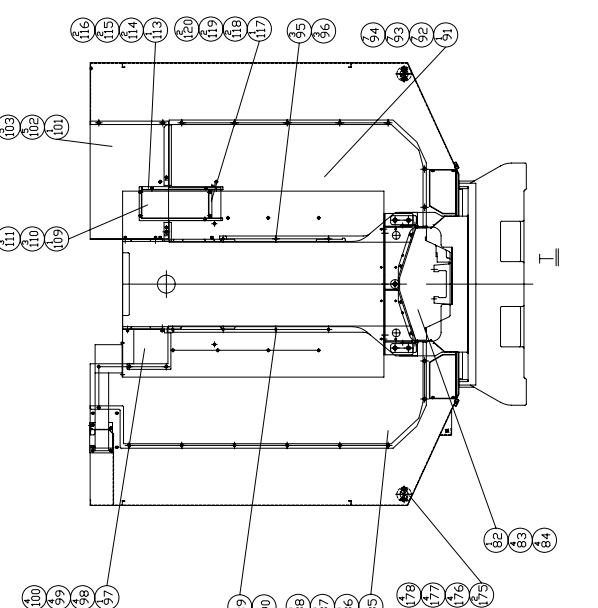
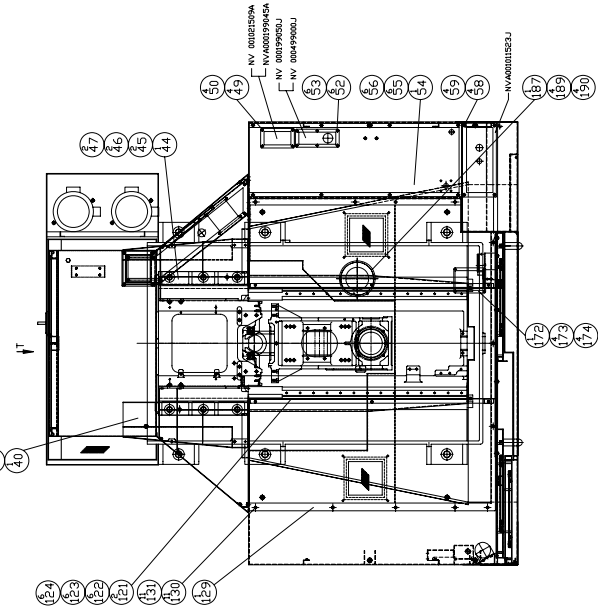
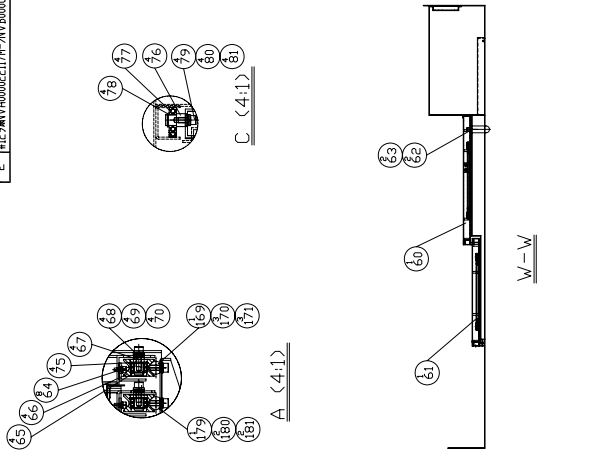
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
159.00	MN 0113510	HEXAGON NUT	六角螺帽	M5xP0.8	6.00	EA
160.00	BL 00103590101	DOOR LATCH	壓扣把手(全銀色系列)	[YI-LOONG]A-240-3-B	1.00	EA
165.00	NVA000599082K	PLATE	護板	L854xW20xH23	1.00	EA
169.00	NVA000022113K	ROD, FRONT DOOR GUIDE	前門滑道	D14.3xL1474	1.00	EA
170.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
171.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
172.00	NV 001011517A	COVER, HEADSTOCK FRONT	主軸箱前蓋	L766.6xW362xH122.3	1.00	EA
173.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	4.00	EA
174.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
175.00	NV 000299024J	COVER	蓋板	D65xH2.3	2.00	EA
176.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
177.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
178.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
179.00	NV 000022112K	ROD, FRONT DOOR GUIDE	前門滑道(前)	D14.3xL958	1.00	EA
180.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
181.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
182.00	NV 00078760030	RUBBER,B TYPE	B型消音橡膠墊(小)	B型(小)(台灣引興)	6.00	EA
183.00	NV 000699001A	HANDLE ASSEMBLY	把手組成	ASSM	1.00	ST
184.01	NVA000699097K	SPLASH GUARD	擋水板	L990xW62.7xH8.3	1.00	EA
186.00	NV 000299078A	COVER, SUCTION	抽風機蓋板	DΦ160xH2.3	1.00	ST
187.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	4.00	EA
188.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
189.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
190.00	NV 000378023K	PLATE, SPLASH GUARD	擋水板	L485xW20xH12	1.00	ST
191.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
192.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
193.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	機殼外觀及尺寸規格	2006/1/23	TN/0655
B	機殼外觀及尺寸規格 (增加防盜鎖)	2006/2/8	TN/0655
C	機殼外觀及尺寸規格 (增加防盜鎖)	2006/4/17	26
D	機殼外觀及尺寸規格 (增加防盜鎖)	2007/5/17	575
E	機殼外觀及尺寸規格 (增加防盜鎖)	2007/5/20	596



MODEL: VMC-710
PART NAME ENCLOSURE ASSM(#40 Swing arm ATC) 外型板金 #40 換刀機 ATC
PART NUMBER NVA001045302M
PAGE 1 OF 1
DATE 2006/2/8
SCALE 1:30
REV. E

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVA001045302M

Description: ENCLOSURE ASSM(#40 Swing arm A
外型板金(#40換刀臂ATC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	NVA00002211K	GUARD	外型板金	L1975xW1654.7xH1199.7	1.00	EA
1.02	NVA00002211K	GUARD	外型板金	L1975xW1654.7xH1199.7	1.00	EA
3.01	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	40.00	EA
4.01	MW 0183610	SPRING WASHER	彈簧墊圈	M6	40.00	EA
5.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	40.00	EA
6.00	NV 001033102A	PLUG, SPLASH GUARD	孔塞	D30.5xL9.5	4.00	EA
16.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
17.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
18.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
19.00	NVA000199031J	BRACKET	托架	L80xW40xH75	1.00	EA
20.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
21.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
22.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
23.00	NV 000599063A	COVER	蓋(網路孔)	L36xW18xH2.3	1.00	ST
24.00	NV 001064201A	HANDLE	把手	L16xd25xM4	1.00	EA
25.00	MS 0313413	FLAT HD. SOCKET	六角穴平頭螺絲	M4xP0.7xL6	1.00	EA
26.00	NV 000199058A	COVER, OPERATING PANEL CASE	蓋板	L113xW58xH2.3	1.00	EA
29.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
30.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
31.00	NV 000199030J	BRACKET	托架	L88.7xW40xH54.6	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
32.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	8.00	EA
33.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
34.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
35.00	NV 000199064A	SUPPORT, SILENCER	消音器座	L35XW45XH25	1.00	EA
36.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
37.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
38.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
39.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
40.00	NVA000199029J	GUIDE,COOLANT	導水槽	L440.3xW111.7xH103	1.00	EA
41.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
42.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
43.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
44.00	NVA000199028J	GUIDE,COOLANT	導水槽	L555.3xW203.5xH180.3	1.00	EA
45.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
46.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
47.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
49.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
50.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
52.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	6.00	EA
53.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
54.00	NV 000199049K	PLATE	蓋板	L953xW326xH2.3	1.00	EA
55.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
56.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
58.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
59.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
60.02	NVB000378002K	FRONT DOOR	前門	L1192xW575xH49	1.00	EA
61.01	NVA000378003K	FRONT DOOR	前門	L1192xW485xH49.5	1.00	EA
62.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
63.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
64.00	NV 00002660318	Deep-grooved ball bearing	深溝滾珠軸承	6800ZZ	1.00	EA
65.00	NV 00082310203	RING, C-RETAINING	外扣環	S-10	4.00	EA
66.00	NVB000942400J	ROLLER, DOOR	滑輪	D34xL17	4.00	EA
67.00	NVB000403802J	SHAFT, DOOR ROLLER	輪軸	D12xL21	4.00	EA
68.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
69.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
70.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
71.00	NV 000378020K	PLATE, SPLASH GUARD	檔水板	L538xW20xH30	1.00	EA
72.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
73.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
74.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
75.00	NV 00082310111	RING, C-RETAINING	C型內扣	R-19	4.00	EA
76.00	NV 000403801A	SHAFT, DOOR ROLLER	輪軸	D14.3xL23.5	4.00	EA
77.00	NV 00002660104	BALL BEARING	單列深槽滾珠軸承	6001ZZ	4.00	EA
78.00	NV 00082310201	RING, C-RETAINING	C型外扣	S-12	4.00	EA
79.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
80.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
81.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
82.00	NV 000199055J	COVER	蓋板	L510xW240xH2.3	1.00	EA
83.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
84.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
85.00	NV 000199045K	REAR COVER	後擋板	L1499.5xW540xH2.3	1.00	EA
86.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	9.00	EA
87.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	9.00	EA
88.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	9.00	EA
89.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
90.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
91.01	NV 000199044K	REAR COVER	後擋板	L1169.5xW545xH2.3	1.00	EA
92.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	7.00	EA
93.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	7.00	EA
94.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	7.00	EA
95.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
96.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
97.00	NV 000199041L	REAR COVER	後擋板	L215xW154xH180	1.00	EA
98.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
99.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
100.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
101.01	NV 000199039J	REAR COVER	後擋板	L532xW350xH72.3	1.00	EA
102.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
103.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
104.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
109.00	NVA000199047J	PLATE,SPLASH GUARD	擋水板	L372xW152xH123	1.00	EA
110.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
111.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
112.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
113.01	NVA000199001J	PLATE, SPLASH GUARD	擋水板	L360xW123xH15	1.00	EA
114.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
115.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
116.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
117.00	NV 000199005J	PLATE, SPLASH GUARD	擋水板	L123xW35xH60	1.00	EA
118.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
119.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
120.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
121.00	NV 000599083J	PLATE, CHIP TANK	檔屑板	L:980xW32xH:25	2.00	EA
122.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
123.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
124.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
129.02	NVB000022117M	COVER PLATE, GUARD UPER	上蓋板	L1392.5xW1099xH215	1.00	EA
130.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	11.00	EA
131.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	11.00	EA
136.00	NV 000299005J	SIDE COVER(LEFT)	立柱側蓋(左)	L:544.5xW:1415.5xH:18	1.00	EA
137.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
138.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
139.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
140.00	NV 000299006J	SIDE COVER(RIGHT)	立柱側蓋(右)	L:544.5xW:1415.5xH:18	1.00	EA
141.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
142.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
143.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
144.00	NV 000299008J	BRACKET	立柱側蓋托架	L:255xW:22xH:49.8	3.00	EA
145.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	6.00	EA
146.00	NV 000299009J	BRACKET(LEFT)	立柱側蓋托架(左)	L:305xW:22xH:49.8	1.00	EA
147.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	2.00	EA
148.00	NV 000299010J	BRACKET(LEFT)	立柱側蓋托架(左)	L:232.6xW:21.5xH:250	1.00	EA
149.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
150.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
151.00	NV 000299011J	BRACKET(LEFT)	立柱側蓋托架(左)	L:299.6xW:21.5xH:100	1.00	EA
152.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
153.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
154.00	NV 000299012J	BRACKET(RIGHT)	立柱側蓋托架(右)	L:247.6xW:21.5xH:100	2.00	EA
155.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
156.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
157.00	NV 000299007J	ROTARY DOOR	旋轉門	L:496xW:265xH:19	1.00	EA
158.00	NV 001044901J	WINDOW, DOOR	壓克力板	L428xW178xH2	1.00	EA
159.00	MN 0113510	HEXAGON NUT	六角螺帽	M5xP0.8	6.00	EA
160.00	BL 00103590101	DOOR LATCH	壓扣把手(全銀色系列)	[YI-LOONG]A-240-3-B	1.00	EA
161.00	NVA000199032J	BRACKET	托架	L74xW55xH52	1.00	EA

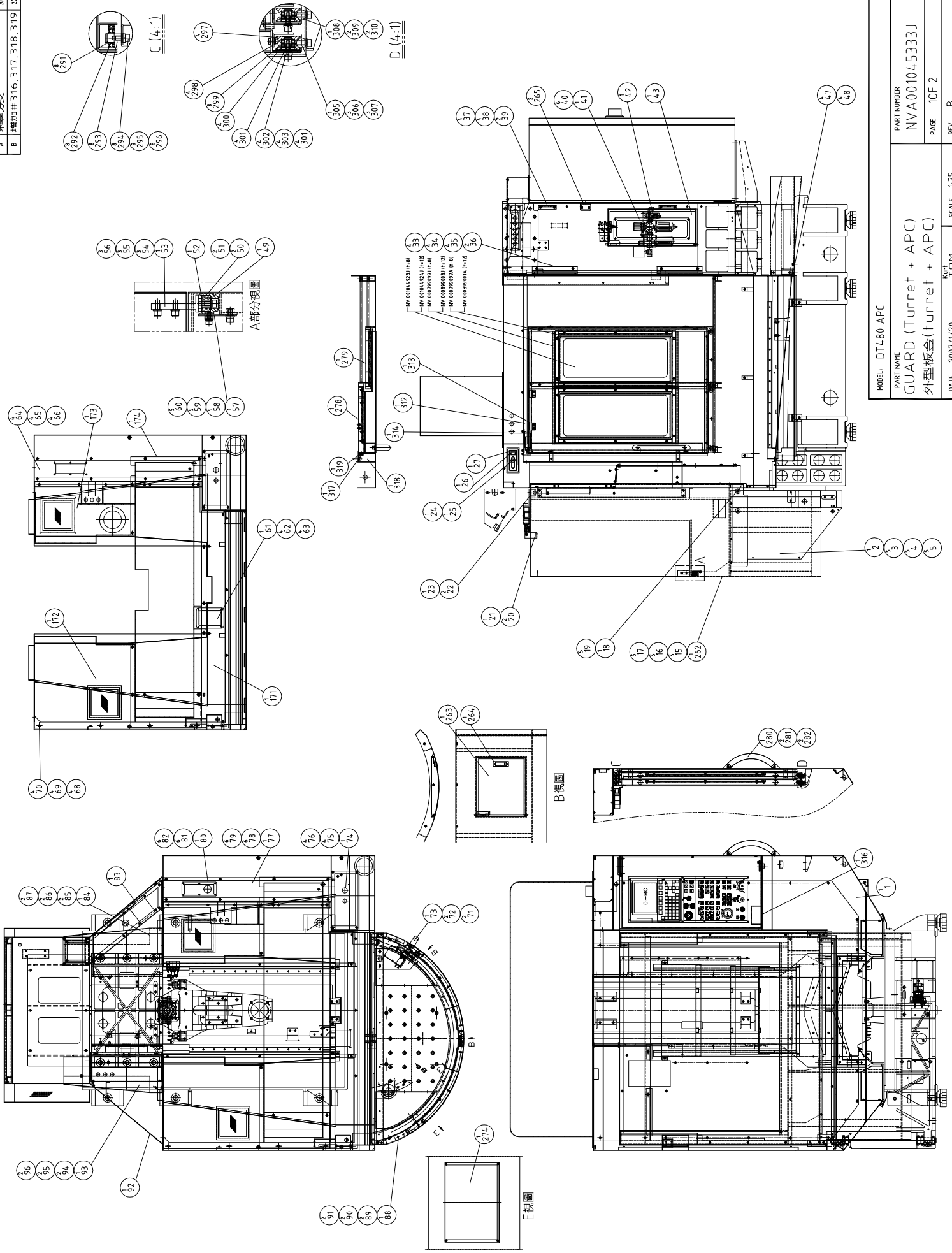
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
162.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	1.00	EA
163.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	1.00	EA
164.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	1.00	EA
165.00	NVA000599082K	PLATE	護板	L854xW20xH23	1.00	EA
169.00	NVA00022113K	ROD, FRONT DOOR GUIDE	前門滑道	D14.3xL1474	1.00	EA
170.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
171.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
172.00	NV 001011517A	COVER, HEADSTOCK FRONT	主軸箱前蓋	L766.6xW362xH122.3	1.00	EA
173.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	4.00	EA
174.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
175.00	NV 000299024J	COVER	蓋板	D65xH2.3	2.00	EA
176.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
177.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
178.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
179.00	NV 000022112K	ROD, FRONT DOOR GUIDE	前門滑道(前)	D14.3xL958	1.00	EA
180.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
181.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
182.00	NV 00078760030	RUBBER,B TYPE	B型消音橡膠墊(小)	B型(小)(台灣引興)	6.00	EA
184.00	NV 000699001A	HANDLE ASSEMBLY	把手組成	ASSM	1.00	ST
185.01	NVA000699097K	SPLASH GUARD	擋水板	L990xW62.7xH8.3	1.00	EA
187.00	NV 000299078A	COVER, SUCTION	抽風機蓋板	DΦ160xH2.3	1.00	ST
188.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	4.00	EA
189.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

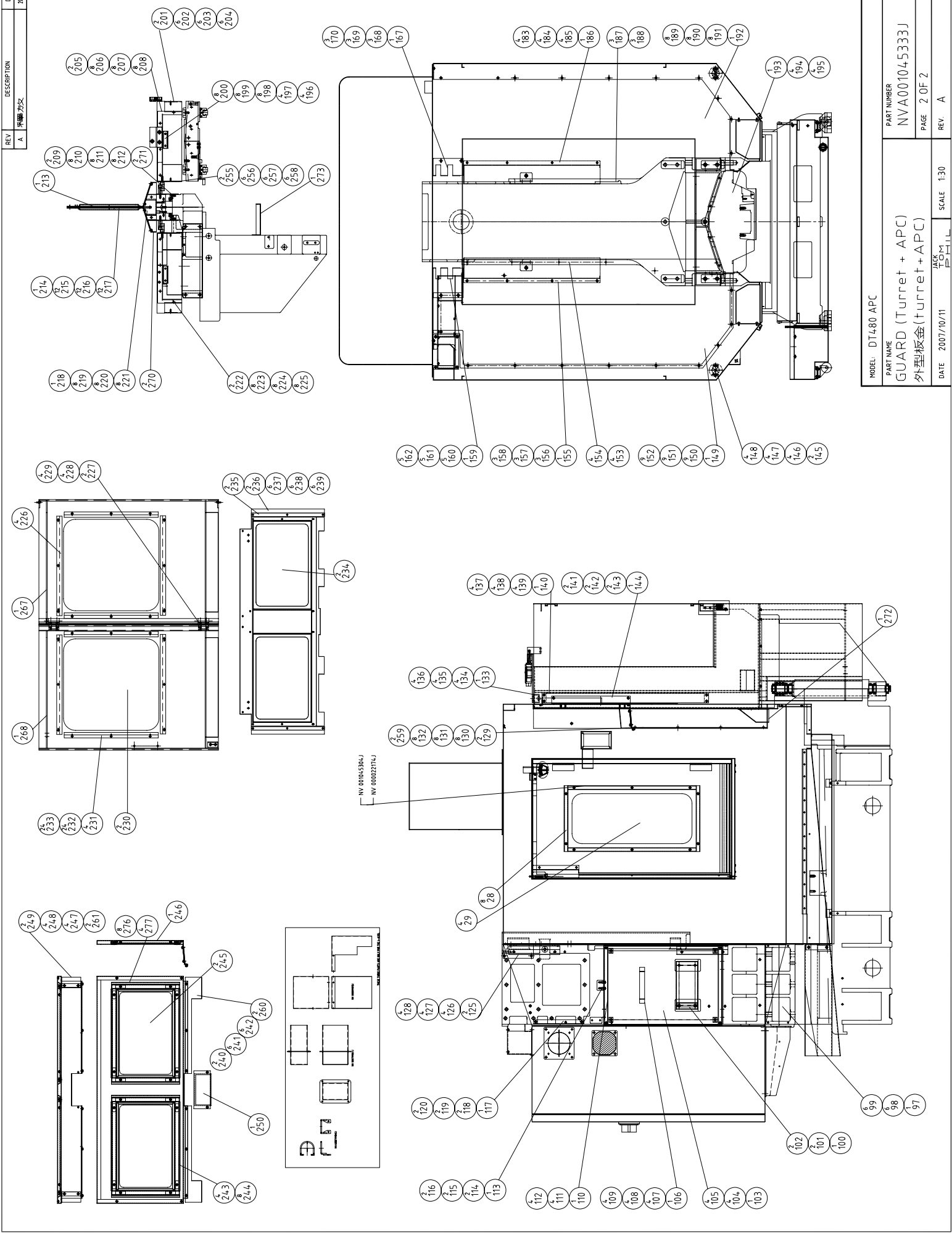
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
190.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
191.00	NV 000378023K	PLATE, SPLASH GUARD	擋水板	L485xW20xH12	1.00	ST
192.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
193.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
194.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA

REV	DESCRIPTION	DATE	ENR
A	平面圖	2011/03	BOG
B	增加井字 316, 317, 318, 319	2008/09	BOG



MODEL: DT480 APC	PART NUMBER: NVA001045333J
PART NAME: GUARD (Turret + APC)	PAGE: 10F 2
外型板金 (turret + APC)	REV: B
DATE: 2007/1/20	SCALE: 1:35

REV	DESCRIPTION	DATE	ENL
A	外型板金	2007/10	1:30



MODEL: DT480 APC	PART NUMBER: NVA001045333J
GUARD (Turret + APC)	PAGE: 2 OF 2
外型板金 (Turret+APC)	REV: A
DATE: 2007/10/11	SCALE: 1:30

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVA001045333J

Description: ENCLOSURE ASSM.(Turret+APC)
外型板金(輻射式+APC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	NVC000022114J	GUARD	外型板金	L1668.7xW1654.7xH119.7	1.00	EA
2.00	NVA000699043J	PLATE, ROTATOR	旋轉工作底座板金	L1194xW488xH515	1.00	EA
3.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
4.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
5.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
14.00	NV 000499008J	PLATE, FRONT DOOR	前門支撐板金	L1194xW40xH30	1.00	EA
15.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
16.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
17.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
18.00	NV 000699048J	PLATE, FRONT DOOR	前門防水壓條	L1112xW13	1.00	EA
19.00	MS 0313615	SOCKET FLAT HEAD SCREW	六角穴平頭螺絲	M6xP1.0xL10	5.00	EA
20.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
21.00	NVA000699066J	BRACKET	托架	L45xW50xH63	1.00	EA
22.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
23.02	NVC000699067J	BRACKET	托架	L178xW251xH30	1.00	EA
24.00	NV 001064201A	HANDLE	把手	L16xd25xM4	1.00	EA
25.00	MS 0313413	FLAT HD. SOCKET	六角穴平頭螺絲	M4xP0.7xL6	1.00	EA
26.00	NV 000199058A	COVER, OPERATING PANEL CASE	蓋板	L113xW58xH2.3	1.00	EA
27.00	NV 000599063A	COVER	蓋(網路孔)	L36xW18xH2.3	1.00	ST
33.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
34.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
35.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
36.00	NV 000299008J	BRACKET	立柱側蓋托架	L:255xW:22xH:49.8	2.00	EA
37.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
38.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
39.00	NV 000299012J	BRACKET(RIGHT)	立柱側蓋托架(右)	L:247.6xW:21.5xH:100	2.00	EA
40.00	MN 0113510	HEXAGON NUT	六角螺帽	M5xP0.8	6.00	EA
41.00	NV 001044901J	WINDOW, DOOR	壓克力板	L428xW178xH2	1.00	EA
42.00	BL 00103590101	DOOR LATCH	壓扣把手(全銀色系列)	[YI-LOONG]A-240-3-B	1.00	EA
43.00	NV 000299007J	ROTARY DOOR	旋轉門	L:496xW:265xH:19	1.00	EA
47.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
48.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
49.00	NV 000699087J	SUPPORTER, FRONT DOOR	前門支撐塊	D22xH15	1.00	EA
50.00	NV 00002660316	Deep-grooved ball bearing	深溝滾珠軸承	6900	2.00	EA
51.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
52.00	NV 00082310110	RING, C-RETAINING	C型內扣	R-22	1.00	EA
53.00	NV 000699021J	SUPPORTER, FRONT DOOR	前門支撐塊	L83.5xD22	1.00	EA
54.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
55.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
56.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
57.00	NV 000699047J	RAIL PALTE, FRONT DOOR	前門軌道壓條	L1154xW449.4xH54	1.00	EA
58.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
59.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
60.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
61.00	NV 000022133A	SIDE COVER(LEFT ENCLOSURE)	側蓋(左外型板金)	L142xW112xH2.3	1.00	EA
62.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
63.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
64.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
65.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
66.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
68.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
69.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
70.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
71.00	MS 0103822	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL40	2.00	EA
72.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
73.00	NV 001064205J	U HANDLE	U型把手	(SILVER)1240-28-117	1.00	EA
74.00	NVA001011523J	COVER	蓋板	L:330xW:151xH:2.3	1.00	EA
75.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
76.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
77.00	NV 000199049J	PLATE	蓋板	L953xW131xH2.3	1.00	EA
78.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
79.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
80.00	NV 000199050J	PLATE, X AXIS WIRE OUTLET	X軸接線蓋板	L195xW80xH2.3	1.00	EA
81.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	6.00	EA
82.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
83.00	NVA000299029J	SIDE COVER(RIGHT,APC)	立柱側蓋(右,APC)	L1380.5xW544.5xH21.3	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
84.00	NVA000199028J	GUIDE,COOLANT	導水槽	L555.3xW203.5xH180.3	1.00	EA
85.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
86.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
87.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
88.00	NV 000699068J	ADJUST PLATE	調整塊	L145xW50xH54	1.00	ST
89.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
90.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
91.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
92.00	NVA000299028J	SIDE COVER(LEFT,APC)	立柱側蓋(左,APC)	L1380.5xW544.5xH15.3	1.00	EA
93.00	NVA000199029J	GUIDE,COOLANT	導水槽	L440.3xW111.7xH103	1.00	EA
94.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
95.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
96.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
97.00	NVA001066156J	SPACER,COLUMN	立柱加高墊塊	L640xW417.5xH200	1.00	EA
1.00	NVA301066156J	SPACER,COLUMN	立柱加高墊塊	L650xW421.5xH210	1.00	EA
98.00	MS 0105327	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M24xP3.0xL65	6.00	EA
99.00	MW 0185310	SPRING WASHER	彈簧墊圈	M24	6.00	EA
100.00	NV 000799006J	BRACKET(LEFT)	立柱側蓋托架(左)	L:85xW:21.5xH:100	1.00	EA
101.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
102.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
103.00	NV 000799002J	COVER	蓋板	L390W550H	1.00	EA
104.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
105.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
106.00	NV 000799003J	COVER, APC CASE	APC 電箱蓋板	L390W550H	1.00	EA
107.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
108.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
109.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
110.00	NV 000799001J	APC CASE	APC電箱	LWH	1.00	EA
111.00	MS 0104020	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL30	4.00	EA
112.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
113.00	NV 000799005J	PLATE, APC CASE	固定板, APC電箱	L50xW75xH35	1.00	EA
114.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
115.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
116.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
117.00	NV 000299010J	BRACKET(LEFT)	立柱側蓋托架(左)	L:232.6xW:21.5xH:250	1.00	EA
118.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
119.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
120.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
125.00	NV 000299008J	BRACKET	立柱側蓋托架	L:255xW:22xH:49.8	2.00	EA
126.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
127.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
128.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
129.00	NVA000699025J	PLATE	擋水橡膠壓條	L722xW52.5	2.00	ST
130.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
131.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
132.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
133.00	NV 000499008J	PLATE, FRONT DOOR	前門支撐板金	L1194xW40xH30	1.00	EA
134.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
135.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
136.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
137.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
138.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
139.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
140.00	NV 000699070J	COVER	蓋板	L833xW40	1.00	EA
141.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
142.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
143.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
144.00	NVA000699069J	PLATE	固定板	L343xW40xH20	1.00	EA
145.00	NV 000299024J	COVER	蓋板	D65xH2.3	2.00	EA
146.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
147.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
148.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
149.00	NVA000399023J	REAR COVER,APC	後擋板,APC	L1499.5xW545xH2.3	1.00	EA
150.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	9.00	EA
151.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	9.00	EA
152.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	9.00	EA
153.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
154.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
155.00	NV 000199015J	COVER (30 taper turret)	護蓋(30 taper turret)	L682.5xW126xH114.3	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
156.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
157.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
158.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
160.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
161.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
162.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
167.00	NVA000499001J	REAR COVER, APC(200mm)	後擋板, APC(墊高200mm)	L150xH87xW17.3	1.00	EA
168.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
169.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
170.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
171.00	NVA000499012J	COVER PLATE, GUARD UPER	上蓋板	L1229.5xW155xH12	1.00	EA
172.00	NVA000499004J	COVER PLATE, GUARD UPER	上蓋板	L944xW519xH15	1.00	EA
173.00	NVB000499003J	COVER PLATE, GUARD UPER	上蓋板		1.00	EA
174.00	NV 000022167J	COVER	上蓋	L1529.5xW426.3xH467.7	1.00	EA
183.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
184.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
185.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
186.00	NV 000199016J	COVER	護蓋	L682.5xW126xH124	1.00	EA
187.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
188.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
189.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
190.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
191.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
193.00	NV 000199055J	COVER	蓋板	L510xW240xH2.3	1.00	EA
194.00	MS 0103616	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL12	4.00	EA
195.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
196.00	NV 000805007J	PLATE, wiper	刮刷片壓板	L86xW18.5xH2.3	4.00	EA
197.00	NV 000805008J	WIPER	刮刷片	L86xW23xH5	4.00	EA
198.00	MS 0103515	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M5xP0.8xL10	8.00	EA
199.00	MW 0103510	FLAT WASHER	平墊圈	M5	8.00	EA
200.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	8.00	EA
201.00	NV 000699072J	PLATE, PALLET	梭台板金	L602xW86xH51.8	2.00	EA
202.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
203.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
204.00	MS 0103616	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL12	6.00	EA
205.00	NV 000699014J	COVER, PALLET	梭台板金(右)	L349.3xW121xH239.6	1.00	ST
206.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
207.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
208.00	MS 0103616	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL12	8.00	EA
210.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
211.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
212.00	MS 0103616	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL12	8.00	EA
213.00	NVA000799040J	DOOR(2), APC	防濺門(2)	L1046xH422xW126	1.00	EA
214.00	NVA000799039J	DOOR(1), APC	防濺門(1)	L1086xW126xH422	1.00	EA
215.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	12.00	EA
216.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	12.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
217.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	12.00	EA
218.00	NV 000799038J	PLATE, ROTATOR	旋轉中心檔層板	L1046xW250.6xH66.7	1.00	EA
219.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
220.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
221.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	8.00	EA
222.00	NV 000699015J	COVER, PALLET	梭台板金(左)	L349.3xW121xH239.6	2.00	ST
223.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
224.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
225.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	8.00	EA
226.00	NV 000699045J	RETAINER	窗戶壓板, APC	L430xW26.8xH5	4.00	EA
227.00	NV 000599061J	BUTT HINGE	蝶型絞鏈	CL 208	2.00	EA
228.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
229.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
230.00	NVA001044902J	WINDOW, DOOR	壓克力板(弧形), APC	L495.9xW506xH2	2.00	EA
231.00	NV 000699046J	RETAINER	窗戶壓板, APC	L240xW26.83xH5	4.00	EA
232.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	24.00	EA
233.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	24.00	EA
234.00	NV 001044926J	WINDOW, DOOR(APC)	耐力板(雙面防濺玻璃)(厚度12)APC	L507xW498X23.5	2.00	EA
235.00	NVB000699039J	PLATE	擋水橡膠壓條	L365xW18xH5	2.00	EA
236.00	NVA000499022J	PLASTIC BLOCK	擋水橡膠	L365xW38	2.00	EA
237.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
238.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
239.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	6.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
240.00	NVA000699024J	PLATE	擋水橡膠壓條	L462xW12xH7.7	2.00	ST
241.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
242.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
243.00	NVA000199083A	DEPRESSOR, WINDOW	窗戶壓板	L362xW2.3xH26.8	8.00	EA
244.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	16.00	EA
245.00	NVC001044909J	WINDOW, DOOR	耐力板(12mm) APC	L437xW287.5	2.00	EA
246.00	NVC000699033J	DOOR, APC	防濺門	L1086xW503.8xH121	1.00	EA
247.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
248.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
249.00	NV 000699022J	PLATE	擋水橡膠壓條	L95xW20	2.00	ST
250.00	NVA000699023J	PLATE	蓋板	L190xW83xH22.1	1.00	ST
251.00	NVB000699038J	PLASTIC BLOCK	防水橡膠塊	L733xW65	1.00	EA
252.00	NVA000499022J	PLASTIC BLOCK	擋水橡膠	L365xW38	1.00	EA
253.00	NVA000499023J	PLASTIC BLOCK	擋水橡膠	L482xW77	1.00	EA
255.00	NV 000699073J	COVER, PALLE	梭台板金	L420xW75.5xH2.3	2.00	EA
256.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
257.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
258.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	6.00	EA
259.00	NVB000699038J	PLASTIC BLOCK	防水橡膠塊	L733xW65	2.00	EA
260.00	NVA000499023J	PLASTIC BLOCK	擋水橡膠	L482xW77	2.00	EA
261.00	NV 000499024J	PLASTIC BLOCK	擋水橡膠	L95xW52	2.00	EA
262.00	NVA000399026J	GUARD, ROTATE TABLE	旋轉工作台外型板金	L1194xW1140.7xH523	1.00	EA
263.00	NV 000599047J	ROTARY DOOR	旋轉門	L335.5xW277.4xH19	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
264.00	BL 00103590101	DOOR LATCH	壓扣把手(全銀色系列)	[YI-LOONG]A-240-3-B	1.00	EA
265.00	NV 000799080J	BRACKET(APC)	托架(APC)	L100xW45xH45	2.00	EA
267.00	NVA000699026J	FRONT DOOR, APC	前門	L890XW625	1.00	EA
268.00	NVA000699041J	FRONT DOOR, APC	前門	L898xW626.5	1.00	EA
270.00	NV 000799037J	COVER	蓋板	L136.6xW83.3xH53	1.00	EA
271.00	NV 000799036J	Rubber	防水橡膠	L440xH58xW2	1.00	EA
272.01	NV 000799034J	Plate, Splash	擋水板	L1189xW50xH154	1.00	EA
273.00	NV 000799033J	CISTERN, APC	集水槽	L1106xW157xH52.5	1.00	EA
274.00	NV 000699031J	COVER,PLATE, ROTATOR PLATE	蓋板,旋轉工作台面板金		1.00	EA
275.00	NV 001033102A	PLUG, SPLASH GUARD	孔塞	D30.5xL9.5	4.00	EA
276.00	NV 000899001J	DEPRESSOR, WINDOW	窗戶壓板(耐力板厚度12用)(APC)	L443xW38.6xH16	2.00	EA
277.00	NV 000899002J	DEPRESSOR, WINDOW	窗戶壓板(耐力板厚度12用)	L342xW44.9xH17.3	2.00	EA
278.01	NV 000378024J	FRONT DOOR(APC)	前門(APC)	L1051.3xW395xH71	1.00	EA
279.00	NV 000378025J	FRONT DOOR (APC)	前門(APC)	L1051.3xW353.3xH49.5	1.00	EA
280.00	NV 000699001A	HANDLE ASSEMBLY	把手組成	ASSM	1.00	ST
1.00	NV 000599049A	HANDLE	把手	D30xd26xR175	1.00	EA
2.00	NV 000599048A	BRADKET, HANDLE	把手固定座	D30xd26xR175	2.00	EA
281.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
282.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
283.00	NV 000378026J	PLATE, SPLASH GUARD (APC)	擋水板(APC)	L395xW30xH20	1.00	EA
284.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
285.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
286.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA

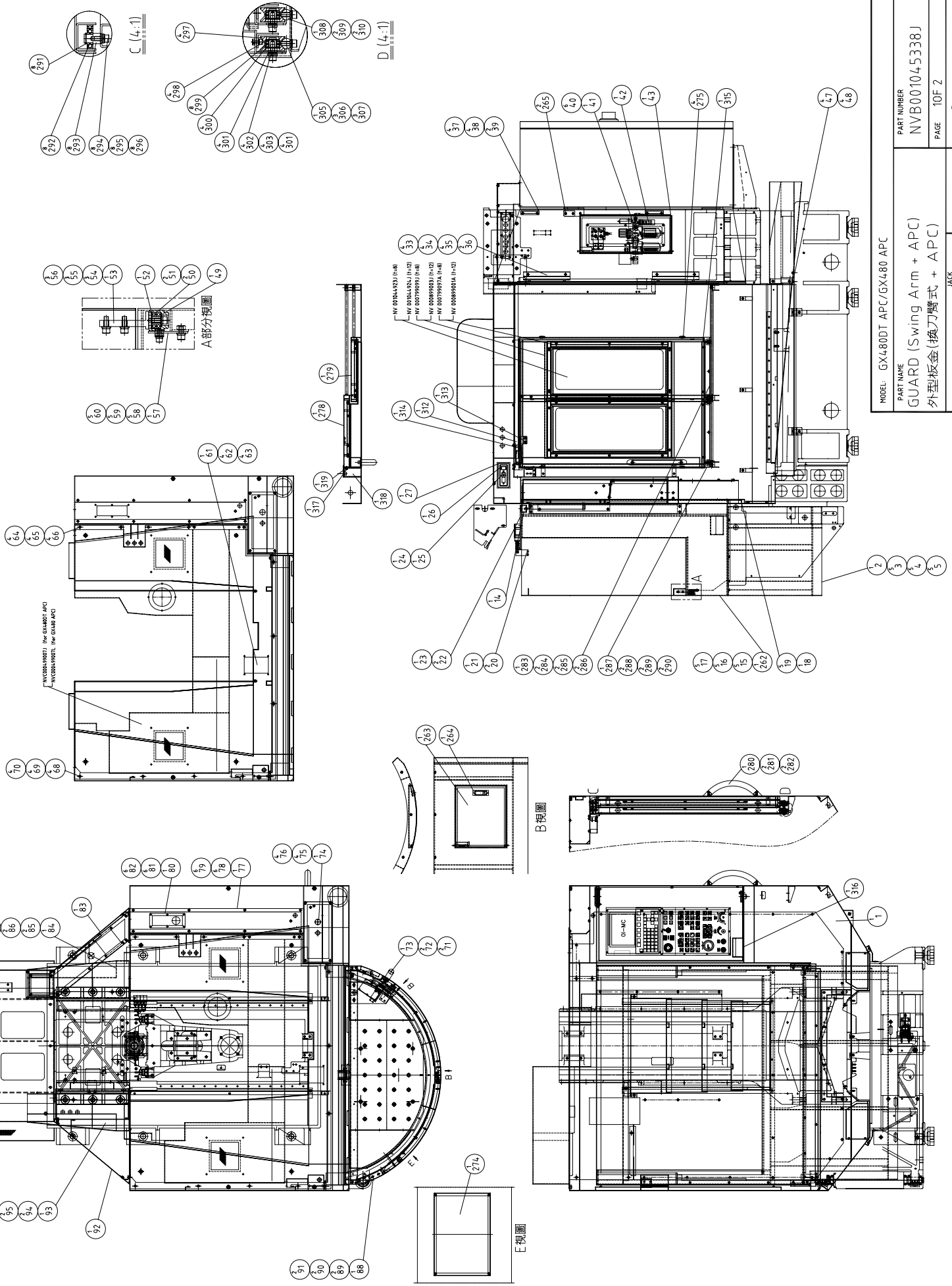
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
287.00	NV 000378027J	PLATE, SPLASH GUARD (APC)	檔水板(APC)	L353.3xW30xH20	1.00	EA
288.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
289.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
290.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
291.00	NV 00082310201	RING, C-RETAINING	C型外扣	S-12	8.00	EA
292.00	NV 00002660104	BALL BEARING	單列深槽滾珠軸承	6001ZZ	8.00	EA
293.00	NV 000403801A	SHAFT, DOOR ROLLER	輪軸	D14.3xL23.5	8.00	EA
294.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
295.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
296.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
297.00	NVB000942400J	ROLLER, DOOR	滑輪	D34xL17	4.00	EA
298.00	NV 00082310203	RING, C-RETAINING	外扣環	S-10	4.00	EA
299.00	NV 00002660318	Deep-grooved ball bearing	深溝滾珠軸承	6800ZZ	8.00	EA
300.00	NV 00082310111	RING, C-RETAINING	C型內扣	R-19	4.00	EA
301.00	NVB000403802J	SHAFT, DOOR ROLLER	輪軸	D12xL21	4.00	EA
302.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
303.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
304.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
305.00	NV 000022222J	ROD, FRONT DOOR GUIDE	前門滑道(後 APC)	L992xW14.6	1.00	EA
306.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
307.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
308.00	NV 000022221J	ROD, FRONT DOOR GUIDE	前門滑道(前 APC)	L627.5xD14.3	1.00	EA
309.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

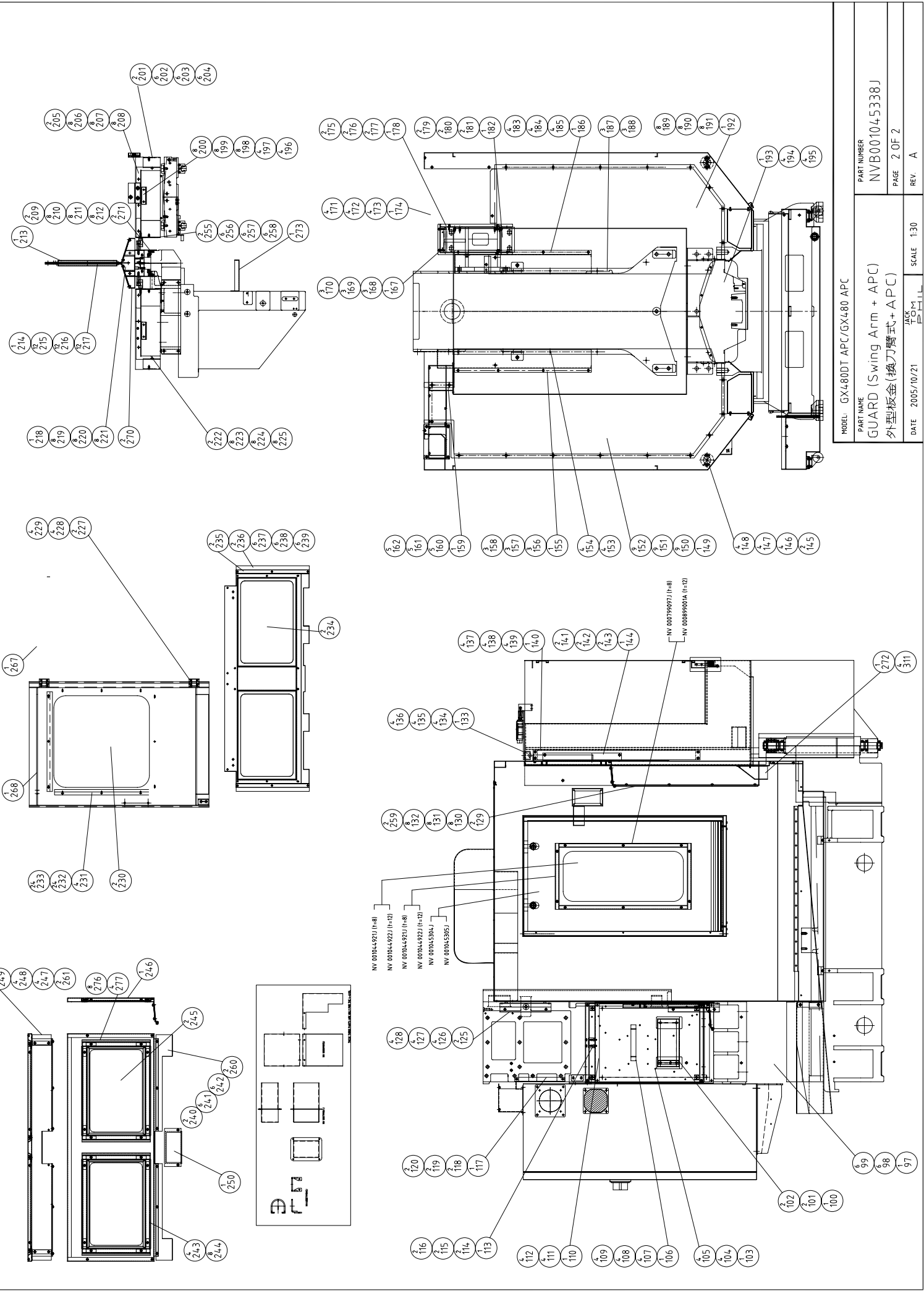
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
310.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
311.00	MS 0313515	FLAT HD. SOCKET	六角穴平頭螺絲	M5xP0.8xL10	4.00	EA
312.00	NV 000022215J	PLATE, SPLASH GUARD	檔水板	L710xW20xH44	1.00	EA
313.00	NV 000599002J	Seat, Safty pin	安全開關插銷座(APC)	L44.5xW40xH38	1.00	EA
314.01	NV 000599001J	Seat, Interlock	安全開關座(APC)	L124.5xW89xH40.3	1.00	EA
315.01	NV 000599004J	BRACKET	護板(APC)	L697xW63xH20	1.00	EA
316.00	NV 000599005J	COVER, PANEL	操作箱處蓋板	L278xW98	1.00	EA
317.00	NV 000599008J	PLATE, LATCH, COPPER	門擋固定板金	L36xW27.8xH30	1.00	EA
318.00	NV 000599009J	PLATE, SPLASH	檔水板	L94xW44xH15.3	1.00	EA
319.00	GX 00103590101	LATCH, COPPER, TWIN BALL	銅雙珠門擋	允際TK-60	1.00	EA

REV	DESCRIPTION	DATE	EQ
A	右側用設計	2011/03	BOG
B	增加并 3.15, 3.17, 3.18, 3.19	2006/08	POG



MODEL: GX480DT APC/GX480 APC	PART NUMBER: NVB00104-5338J
PART NAME: GUARD (Swing Arm + APC)	PAGE: 10F 2
外型板金 (換刀臂式 + APC)	REV: B
DATE: 2005/10/21	SCALE: 1:35

REV	DESCRIPTION	DATE	EQK
A	精改, 右側山字改換重門門	20	



MODEL: GX480DT APC/GX480 APC	PART NUMBER: NVB00104-5338J
PART NAME: GUARD (Swing Arm + APC)	PAGE: 2 OF 2
外型板金 (換刀臂式+APC)	REV: A
DATE: 2005/10/21	SCALE: 1:30

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVB001045338J

Description: ENCLOSURE ASSM.(SWING ARM+APC)
外型板金(換刀臂+APC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	NVC000022114J	GUARD	外型板金	L1668.7xW1654.7xH119.7	1.00	EA
2.00	NVA000699043J	PLATE, ROTATOR	旋轉工作底座板金	L1194xW488xH515	1.00	EA
3.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
4.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
5.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
14.00	NV 000499008J	PLATE, FRONT DOOR	前門支撐板金	L1194xW40xH30	1.00	EA
15.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
16.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
17.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
18.00	NV 000699048J	PLATE, FRONT DOOR	前門防水壓條	L1112xW13	1.00	EA
19.00	MS 0313615	SOCKET FLAT HEAD SCREW	六角穴平頭螺絲	M6xP1.0xL10	5.00	EA
20.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
21.00	NVA000699066J	BRACKET	托架	L45xW50xH63	1.00	EA
22.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
23.02	NVC000699067J	BRACKET	托架	L178xW251xH30	1.00	EA
24.00	NV 001064201A	HANDLE	把手	L16xd25xM4	1.00	EA
25.00	MS 0313413	FLAT HD. SOCKET	六角穴平頭螺絲	M4xP0.7xL6	1.00	EA
26.00	NV 000199058A	COVER, OPERATING PANEL CASE	蓋板	L113xW58xH2.3	1.00	EA
27.00	NV 000599063A	COVER	蓋(網路孔)	L36xW18xH2.3	1.00	ST
33.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
34.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
35.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
36.00	NV 000299008J	BRACKET	立柱側蓋托架	L:255xW:22xH:49.8	2.00	EA
37.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
38.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
39.00	NV 000299012J	BRACKET(RIGHT)	立柱側蓋托架(右)	L:247.6xW:21.5xH:100	2.00	EA
40.00	MN 0113510	HEXAGON NUT	六角螺帽	M5xP0.8	6.00	EA
41.00	NV 001044901J	WINDOW, DOOR	壓克力板	L428xW178xH2	1.00	EA
42.00	BL 00103590101	DOOR LATCH	壓扣把手(全銀色系列)	[YI-LOONG]A-240-3-B	1.00	EA
43.00	NV 000299007J	ROTARY DOOR	旋轉門	L:496xW:265xH:19	1.00	EA
47.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
48.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
49.00	NV 000699087J	SUPPORTER, FRONT DOOR	前門支撐塊	D22xH15	1.00	EA
50.00	NV 00002660316	Deep-grooved ball bearing	深溝滾珠軸承	6900	2.00	EA
51.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
52.00	NV 00082310110	RING, C-RETAINING	C型內扣	R-22	1.00	EA
53.00	NV 000699021J	SUPPORTER, FRONT DOOR	前門支撐塊	L83.5xD22	1.00	EA
54.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
55.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
56.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
57.00	NV 000699047J	RAIL PALTE, FRONT DOOR	前門軌道壓條	L1154xW449.4xH54	1.00	EA
58.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
59.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
60.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
61.00	NV 000022133A	SIDE COVER(LEFT ENCLOSURE)	側蓋(左外型板金)	L142xW112xH2.3	1.00	EA
62.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
63.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
64.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
65.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
66.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
68.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
69.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
70.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
71.00	MS 0103822	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL40	2.00	EA
72.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
73.00	NV 001064205J	U HANDLE	U型把手	(SILVER)1240-28-117	1.00	EA
74.00	NVA001011523J	COVER	蓋板	L:330xW:151xH:2.3	1.00	EA
75.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
76.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
77.00	NV 000199049J	PLATE	蓋板	L953xW131xH2.3	1.00	EA
78.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
79.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
80.00	NV 000199050J	PLATE, X AXIS WIRE OUTLET	X軸接線蓋板	L195xW80xH2.3	1.00	EA
81.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	6.00	EA
82.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
83.00	NVA000299029J	SIDE COVER(RIGHT,APC)	立柱側蓋(右,APC)	L1380.5xW544.5xH21.3	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
84.00	NVA000199028J	GUIDE,COOLANT	導水槽	L555.3xW203.5xH180.3	1.00	EA
85.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
86.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
87.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
88.00	NV 000699068J	ADJUST PLATE	調整塊	L145xW50xH54	1.00	ST
89.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
90.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
91.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
92.00	NVA000299028J	SIDE COVER(LEFT,APC)	立柱側蓋(左,APC)	L1380.5xW544.5xH15.3	1.00	EA
93.00	NVA000199029J	GUIDE,COOLANT	導水槽	L440.3xW111.7xH103	1.00	EA
94.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
95.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
96.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
97.00	NVA001066156J	SPACER,COLUMN	立柱加高墊塊	L640xW417.5xH200	1.00	EA
1.00	NVA301066156J	SPACER,COLUMN	立柱加高墊塊	L650xW421.5xH210	1.00	EA
98.00	MS 0105327	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M24xP3.0xL65	6.00	EA
99.00	MW 0185310	SPRING WASHER	彈簧墊圈	M24	6.00	EA
100.00	NV 000799006J	BRACKET(LEFT)	立柱側蓋托架(左)	L:85xW:21.5xH:100	1.00	EA
101.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
102.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
103.00	NV 000799002J	COVER	蓋板	L390W550H	1.00	EA
104.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
105.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
106.00	NV 000799003J	COVER, APC CASE	APC 電箱蓋板	L390W550H	1.00	EA
107.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
108.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
109.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
110.00	NV 000799001J	APC CASE	APC電箱	LWH	1.00	EA
111.00	MS 0104020	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL30	4.00	EA
112.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	4.00	EA
113.00	NV 000799005J	PLATE, APC CASE	固定板, APC電箱	L50xW75xH35	1.00	EA
114.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
115.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
116.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
117.00	NV 000299010J	BRACKET(LEFT)	立柱側蓋托架(左)	L:232.6xW:21.5xH:250	1.00	EA
118.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
119.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
120.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
125.00	NV 000299008J	BRACKET	立柱側蓋托架	L:255xW:22xH:49.8	2.00	EA
126.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
127.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
128.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
129.00	NVA000699025J	PLATE	擋水橡膠壓條	L722xW52.5	2.00	ST
130.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
131.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
132.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
133.00	NV 000499008J	PLATE, FRONT DOOR	前門支撐板金	L1194xW40xH30	1.00	EA
134.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
135.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
136.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
137.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
138.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
139.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
140.00	NV 000699070J	COVER	蓋板	L833xW40	1.00	EA
141.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
142.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
143.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
144.00	NVA000699069J	PLATE	固定板	L343xW40xH20	1.00	EA
145.00	NV 000299024J	COVER	蓋板	D65xH2.3	2.00	EA
146.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
147.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
148.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
149.00	NVA000399023J	REAR COVER,APC	後擋板,APC	L1499.5xW545xH2.3	1.00	EA
150.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	9.00	EA
151.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	9.00	EA
152.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	9.00	EA
153.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
154.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
155.00	NV 000199098J	COVER(30 taper swing arm)	護蓋(30 taper swing arm)	L769.5.5xW126xH114.3	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
156.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
157.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
158.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
159.00 NVA000399047J	REAR COVER(APC)	後擋板(APC)	L200xW180xH158.6	1.00	EA
160.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
161.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
162.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
167.00 NVA000199047J	PLATE,SPLASH GUARD	擋水板	L372xW152xH123	1.00	EA
168.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
169.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
170.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	3.00	EA
171.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
172.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
173.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
174.00 NVA000499002J	REAR COVER	後擋板	L532xW350xH72.3	1.00	EA
175.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
176.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
177.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
178.00 NVA000199001J	PLATE, SPLASH GUARD	擋水板	L360xW123xH15	1.00	EA
179.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
180.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
181.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
182.00 NV 000199005J	PLATE, SPLASH GUARD	擋水板	L123xW35xH60	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
183.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
184.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
185.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
186.00	NV 000199016J	COVER	護蓋	L682.5xW126xH124	1.00	EA
187.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
188.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
189.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
190.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
191.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
192.00	NVA000399025J	REAR COVER	後擋板(APC)	L1227xW545xH4.6	1.00	EA
193.00	NV 000199055J	COVER	蓋板	L510xW240xH2.3	1.00	EA
194.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
195.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
196.00	NV 000805007J	PLATE, wiper	刮刷片壓板	L86xW18.5xH2.3	4.00	EA
197.00	NV 000805008J	WIPER	刮刷片	L86xW23xH5	4.00	EA
198.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	8.00	EA
199.00	MW 0103510	FLAT WASHER	平墊圈	M5	8.00	EA
200.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	8.00	EA
201.00	NV 000699072J	PLATE, PALLET	梭台板金	L602xW86xH51.8	2.00	EA
202.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
203.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
204.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	6.00	EA
205.00	NV 000699014J	COVER, PALLET	梭台板金(右)	L349.3xW121xH239.6	1.00	ST

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
206.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
207.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
208.00 MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	8.00	EA
210.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
211.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
212.00 MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	8.00	EA
213.00 NVA000799040J	DOOR(2), APC	防濺門(2)	L1046xH422xW126	1.00	EA
214.00 NVA000799039J	DOOR(1), APC	防濺門(1)	L1086xW126xH422	1.00	EA
215.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	12.00	EA
216.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	12.00	EA
217.00 MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	12.00	EA
218.00 NV 000799038J	PLATE, ROTATOR	旋轉中心檔層板	L1046xW250.6xH66.7	1.00	EA
219.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
220.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
221.00 MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	8.00	EA
222.00 NV 000699015J	COVER, PALLET	梭台板金(左)	L349.3xW121xH239.6	2.00	ST
223.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
224.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
225.00 MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	8.00	EA
226.00 NV 000699045J	RETAINER	窗戶壓板, APC	L430xW26.8xH5	4.00	EA
227.00 NV 000599061J	BUTT HINGE	蝶型絞鏈	CL 208	2.00	EA
228.00 MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	4.00	EA
229.00 MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
230.00	NVA001044902J	WINDOW, DOOR	壓克力板(弧形), APC	2.00	EA
231.00	NV 000699046J	RETAINER	窗戶壓板, APC	4.00	EA
232.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	24.00	EA
233.00	MW 0183610	SPRING WASHER	彈簧墊圈	24.00	EA
234.00	NV 001044926J	WINDOW, DOOR(APC)	耐力板(雙面防濺玻璃)(厚度12)APC	2.00	EA
235.00	NVB000699039J	PLATE	擋水橡膠壓條	2.00	EA
236.00	NVA000499022J	PLASTIC BLOCK	擋水橡膠	2.00	EA
237.00	MW 0183610	SPRING WASHER	彈簧墊圈	6.00	EA
238.00	MW 0103610	FLAT WASHER	平墊圈	6.00	EA
239.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	6.00	EA
240.00	NVA000699024J	PLATE	擋水橡膠壓條	2.00	ST
241.00	MW 0183610	SPRING WASHER	彈簧墊圈	6.00	EA
242.00	MW 0103610	FLAT WASHER	平墊圈	6.00	EA
243.00	NVA000199083A	DEPRESSOR, WINDOW	窗戶壓板	8.00	EA
244.00	MN 0113610	HEXAGON NUT	六角螺帽	16.00	EA
245.00	NVC001044909J	WINDOW, DOOR	耐力板(12mm) APC	2.00	EA
246.00	NVC000699033J	DOOR, APC	防濺門	1.00	EA
247.00	MW 0103610	FLAT WASHER	平墊圈	4.00	EA
248.00	MW 0183610	SPRING WASHER	彈簧墊圈	4.00	EA
249.00	NV 000699022J	PLATE	擋水橡膠壓條	2.00	ST
250.00	NVA000699023J	PLATE	蓋板	1.00	ST
251.00	NVB000699038J	PLASTIC BLOCK	防水橡膠塊	1.00	EA
252.00	NVA000499022J	PLASTIC BLOCK	擋水橡膠	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
253.00	NVA000499023J	PLASTIC BLOCK	擋水橡膠	1.00	EA
255.00	NV 000699073J	COVER, PALLE	樓台板金	2.00	EA
256.00	MW 0183610	SPRING WASHER	彈簧墊圈	6.00	EA
257.00	MW 0103610	FLAT WASHER	平墊圈	6.00	EA
258.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	6.00	EA
259.00	NVB000699038J	PLASTIC BLOCK	防水橡膠塊	2.00	EA
260.00	NVA000499023J	PLASTIC BLOCK	擋水橡膠	2.00	EA
261.00	NV 000499024J	PLASTIC BLOCK	擋水橡膠	2.00	EA
262.00	NVA000399026J	GUARD, ROTATE TABLE	旋轉工作台面型板金	1.00	EA
263.00	NV 000599047J	ROTARY DOOR	旋轉門	1.00	EA
264.00	BL 00103590101	DOOR LATCH	壓扣把手(全銀色系列)	1.00	EA
265.00	NV 000799080J	BRACKET(APC)	托架(APC)	2.00	EA
267.00	NVA000699026J	FRONT DOOR, APC	前門	1.00	EA
268.00	NVA000699041J	FRONT DOOR, APC	前門	1.00	EA
270.00	NV 000799037J	COVER	蓋板	1.00	EA
271.00	NV 000799036J	Rubber	防水橡膠	2.00	EA
272.01	NV 000799034J	Plate, Splash	擋水板	2.00	EA
273.00	NV 000799033J	CISTERN, APC	集水槽	1.00	EA
274.00	NV 000699031J	COVER,PLATE, ROTATOR PLATE	蓋板,旋轉工作台面座板金	1.00	EA
275.00	NV 001033102A	PLUG, SPLASH GUARD	孔塞	4.00	EA
276.00	NV 000899001J	DEPRESSOR, WINDOW	窗戶壓板(耐力板厚度12用)(APC)	2.00	EA
277.00	NV 000899002J	DEPRESSOR, WINDOW	窗戶壓板(耐力板厚度12用)	2.00	EA
278.01	NV 000378024J	FRONT DOOR(APC)	前門(APC)	1.00	EA

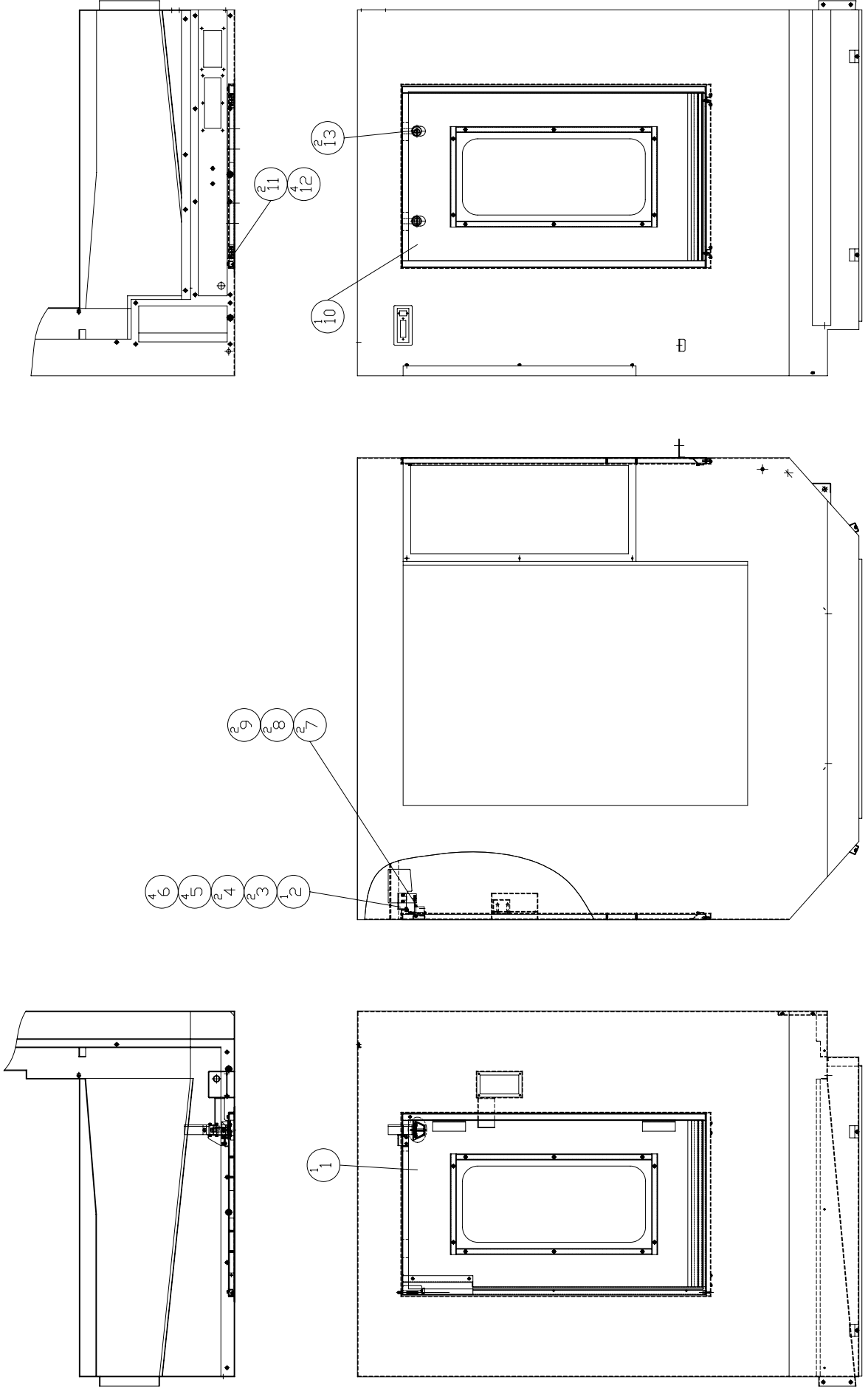
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
279.00	NV 000378025J	FRONT DOOR (APC)	前門(APC)	L1051.3xW353.3xH49.5	1.00	EA
280.00	NV 000699001A	HANDLE ASSEMBLY	把手組成	ASSM	1.00	ST
1.00	NV 000599049A	HANDLE	把手	D30xd26xR175	1.00	EA
2.00	NV 000599048A	BRADKET, HANDLE	把手固定座	D30xd26xR175	2.00	EA
281.00	MS 0104016	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10*P1.5*L12	2.00	EA
282.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
283.00	NV 000378026J	PLATE, SPLASH GUARD (APC)	檔水板(APC)	L395xW30xH20	1.00	EA
284.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
285.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
286.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
287.00	NV 000378027J	PLATE, SPLASH GUARD (APC)	檔水板(APC)	L353.3xW30xH20	1.00	EA
288.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
289.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
290.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
291.00	NV 00082310201	RING, C-RETAINING	C型外扣	S-12	8.00	EA
292.00	NV 00002660104	BALL BEARING	單列深槽滾珠軸承	6001ZZ	8.00	EA
293.00	NV 000403801A	SHAFT, DOOR ROLLER	輪軸	D14.3xL23.5	8.00	EA
294.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
295.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
296.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
297.00	NVB000942400J	ROLLER, DOOR	滑輪	D34xL17	4.00	EA
298.00	NV 00082310203	RING, C-RETAINING	外扣環	S-10	4.00	EA
299.00	NV 00002660318	Deep-grooved ball bearing	深溝滾珠軸承	6800ZZ	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
300.00	NV 00082310111	RING, C-RETAINING	C型內扣	R-19	4.00	EA
301.00	NVB000403802J	SHAFT, DOOR ROLLER	輪軸	D12xL21	4.00	EA
302.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
303.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
304.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
305.00	NV 000022222J	ROD, FRONT DOOR GUIDE	前門滑道(後 APC)	L992xW14.6	1.00	EA
306.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
307.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
308.00	NV 000022221J	ROD, FRONT DOOR GUIDE	前門滑道(前 APC)	L627.5xD14.3	1.00	EA
309.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
310.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
311.00	MS 0313515	FLAT HD. SOCKET	六角穴平頭螺絲	M5xP0.8xL10	4.00	EA
312.00	NV 000022215J	PLATE, SPLASH GUARD	檔水板	L710xW20xH44	1.00	EA
313.00	NV 000599002J	Seat, Safty pin	安全開關插銷座(APC)	L44.5xW40xH38	1.00	EA
314.01	NV 000599001J	Seat, Interlock	安全開關座(APC)	L124.5xW89xH40.3	1.00	EA
315.01	NV 000599004J	BRACKET	護板(APC)	L697xW63xH20	1.00	EA
316.00	NV 000599005J	COVER, PANEL	操作箱處蓋板	L278xW98	1.00	EA
317.00	NV 000599008J	PLATE, LATCH, COPPER	門擋固定板金	L36xW27.8xH30	1.00	EA
318.00	NV 000599009J	PLATE, SPLASH	檔水板	L94xW44xH15.3	1.00	EA
319.00	GX 00103590101	LATCH, COPPER, TWIN BALL	銅雙珠門擋	允際TK-60	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	標準方式	2005/02/11	TN/0655
B	標準方式(内径変更)	2006/05/11	975



MODEL: DT480/710/300		SCALE: 1:18	REV: B
PART NAME	PART NUMBER	DATE	REV
ENCLOSURE ASSM#30 Swing arm ATC	NV 001045304 J	2005/9/14	1
側門-CE<#30換刀臂ATC>		DATE	REV
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		SCALE	1:18
		REV	B

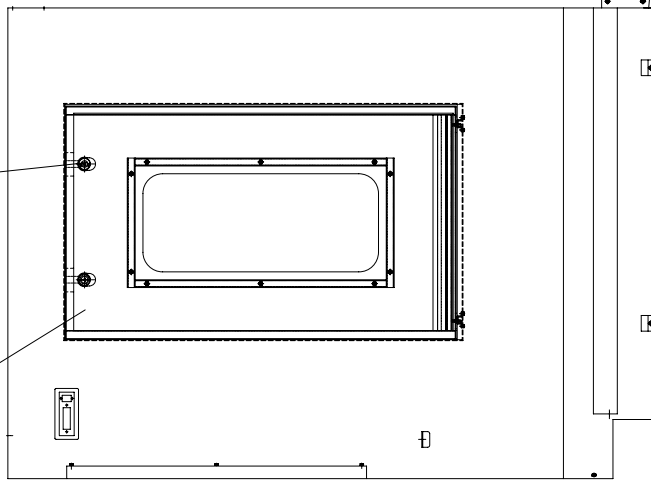
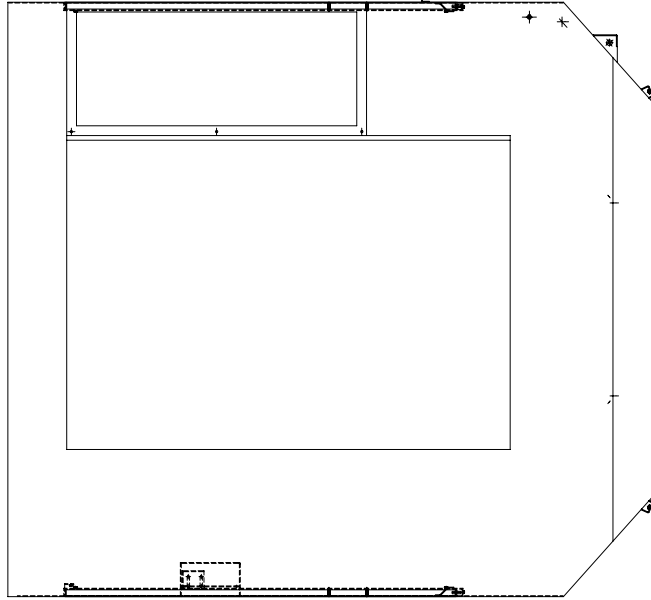
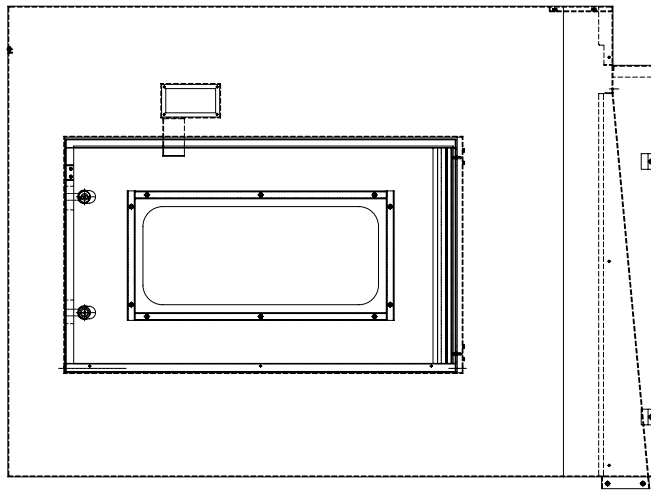
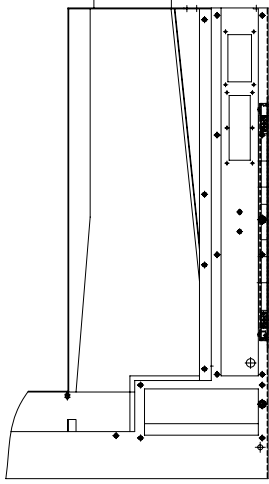
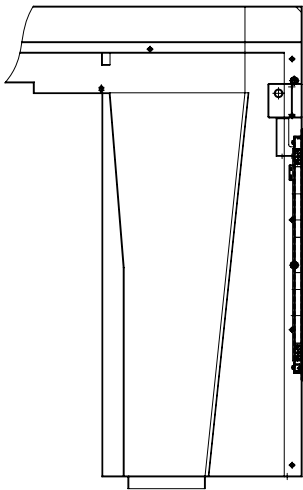
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 001045304J

 Description: ENCLOSURE ASSM(#30 Swing arm A
 側門-CE(#30換刀臂ATC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	NVA000022100J	DOOR, LEFT SIDE(#30 SWING ARM)	左側門(#30 SWING ARM CE與非CE共用)	L996xW595xH27.1	1.00	EA
2.00	NV 000022101J	SEAT, SWITCH	開關固定座	L66xW36xH35	1.00	EA
3.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
4.00	MS 0103422	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL40	2.00	EA
5.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
6.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	4.00	EA
7.00	MS 0103422	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL40	2.00	EA
8.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
9.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
10.01	NVA000022102J	DOOR, SIDE	側門	L996xW595xH27.1	1.00	EA
11.00	NV 000022202A	SEAT, SIDE DOOR	側門固定座	L40xW14xH13.2	2.00	EA
12.00	MS 0103416	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL12	4.00	EA
13.00	NV 00103590106	COMPRESSION EXTENSIBLE LATCH	迫緊式伸縮門鎖	[TAI-SAN]允際 MS816-1	2.00	ST

REV	DESCRIPTION	DATE	ENCL
A	標準方式	2005/10/20	11N/0655
B	標準方式	2005/10/20	2006/5/17 975



MODEL: DT480/710/300 & VMC480/710/300

PART NAME PART NUMBER

DOOR, SIDE-CE< #30 TURRET/ATC #30 SWING ARM, CAROUSEL NV 001045305J

側門-CE< #30 輻射式, #40 換刀臂, 40 斗笠式

DATE 2005/10/20 SCALE 1:19 REV. B

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PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 001045305J

Description: SIDE DOOR[#30TURRET / #40]
側門(#30輻射式,#40換刀臂/#40斗笠式

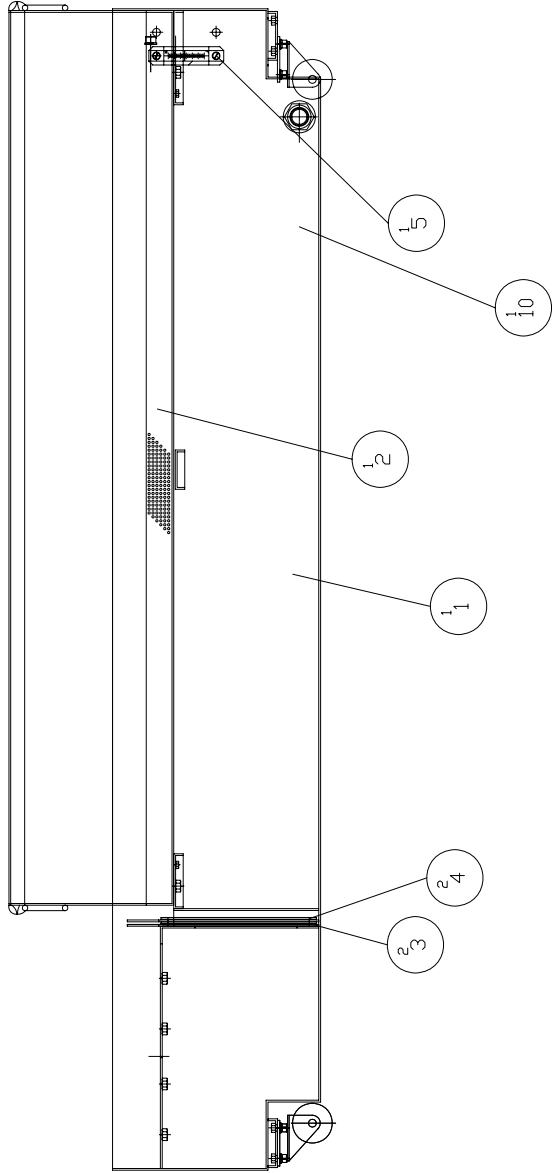
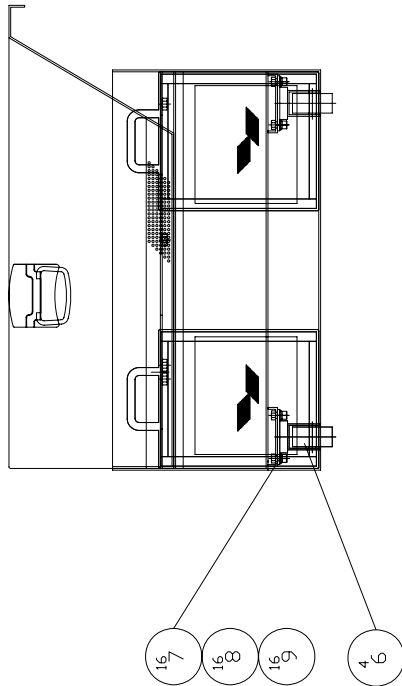
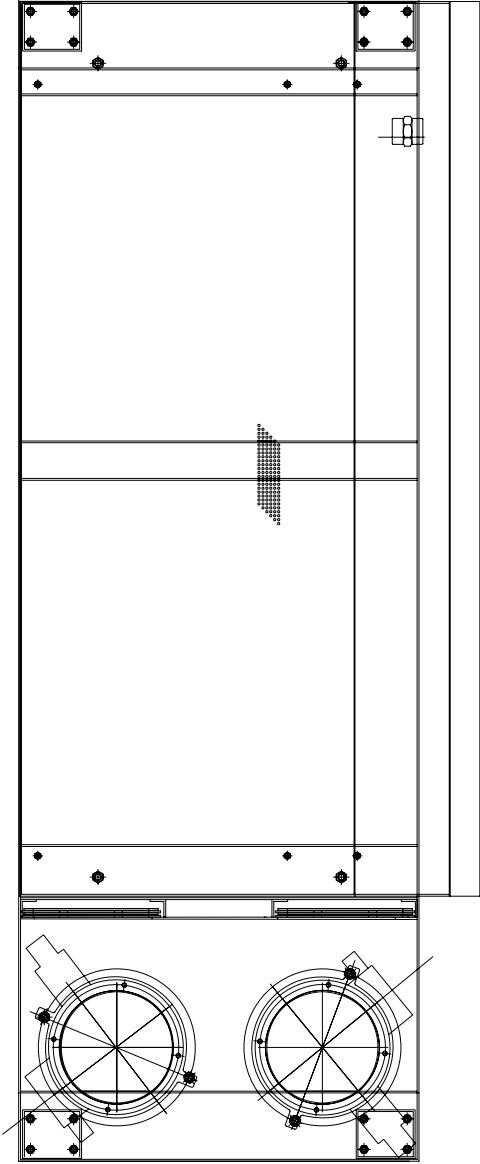
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	NVA000022102J	DOOR, SIDE	側門	L996xW595xH27.1	2.00	EA
2.00	NV 000022202A	SEAT, SIDE DOOR	側門固定座	L40xW14xH13.2	4.00	EA
3.00	MS 0103416	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL12	8.00	EA
4.00	NV 00103590106	COMPRESSION EXTENSIBLE LATCH	迫緊式伸縮門鎖	[TAI-SAN]允際 MS816-1	4.00	ST

Chapter 9

切削水箱

Coolant Tank

REV	DESCRIPTION	DATE	ECN
A	機殼	2007/5/07	579
B	井IO系油壓定額給油時針油嘴O度	2008/3/6	1094



MODEL: GX480/710, GX480/710DT, GX480/710APC, GX480/710 APC DT	
PART NAME	PART NUMBER
COOLANT TANK AND CHIP BUCKET	NV/B000331504 J
切削水箱與集屑桶	
DATE 2008/1/9	SCALE 1:10
REV. A	PAGE 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVB000331504J

Description: COOLANT TANK AND CHIP BUCKET
切削水箱與集屑桶

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NVB000199080J	COOLANT TANK	切削水箱	L1450W510H295	1.00	EA
2.00	NVB000199069J	SCREEN, CHIP TANK	集屑桶	L1065W590H210	1.00	EA
3.00	NVA000599045J	SCREEN, COOLANT TANK	過濾網	L177xW244xH5.6	2.00	EA
4.00	NVA000599046J	SCREEN, COOLANT TANK	過濾網	L177xW244xH5.6	2.00	EA
5.00	NV 00113180101	GAUGE LEVEL	油面計	3"	1.00	EA
6.00	NV 00115570103	SWIVEL	美國活動尼龍輪	2"x1"四角	4.00	EA
7.00	MS 0103617	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL16	16.00	EA
8.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	16.00	EA
9.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	16.00	EA
10.00	NV 00077031708	PLUG, SOCKET HEX.	塞頭	PT1	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000331506J

Description: COOLANT TANK

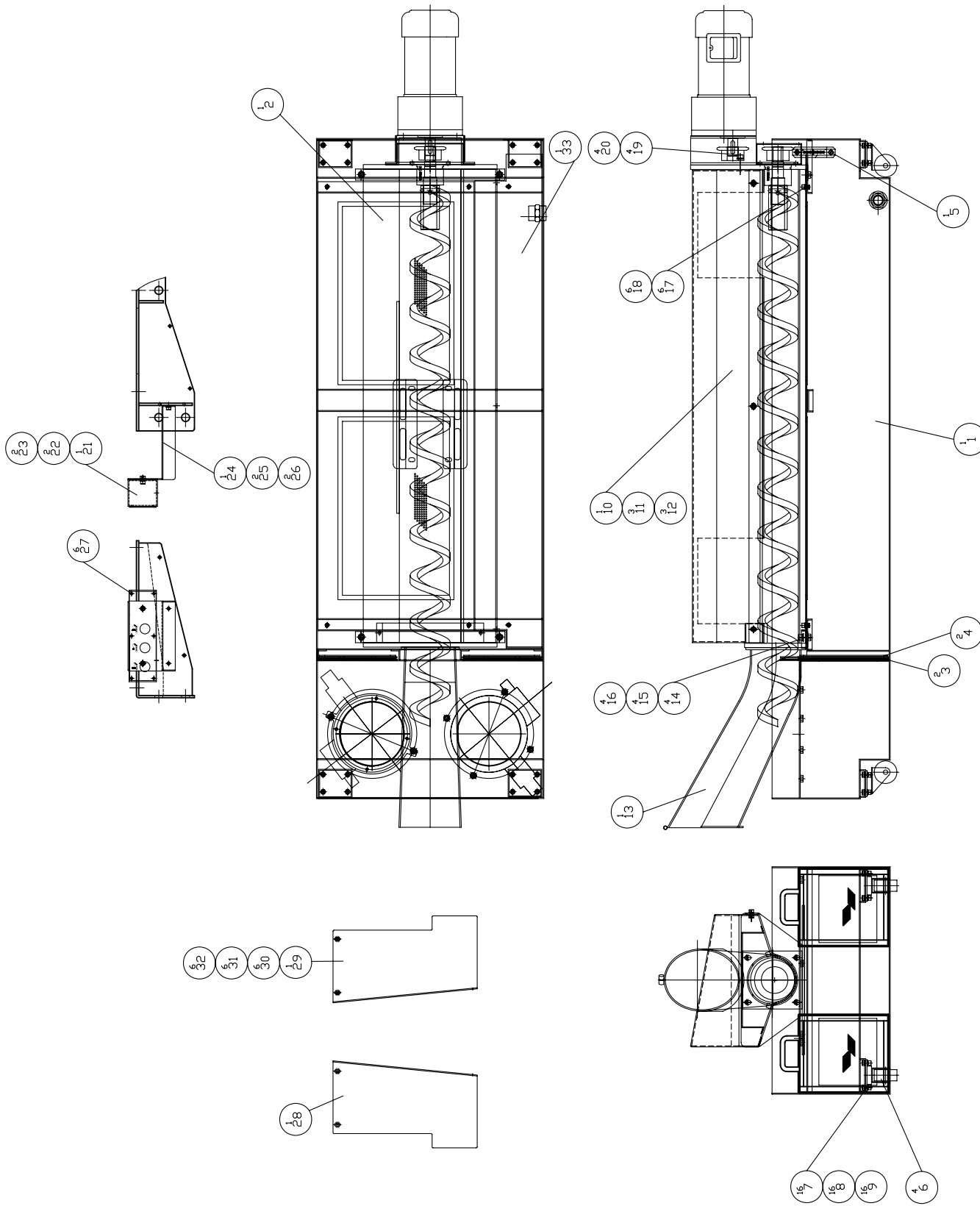
切削水箱

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	NVA000799011J	COOLANT TANK	切削水箱	L1625X510X265	1.00	EA
2.00	NV 000799010J	SCREEN, CHIP BUCKET	集屑盒	L395xW110xH87.3	2.00	EA
3.00	NVA000599045J	SCREEN, COOLANT TANK	過濾網	L177xW244xH5.6	2.00	EA
4.00	NVA000599046J	SCREEN, COOLANT TANK	過濾網	L177xW244xH5.6	2.00	EA
5.00	NV 00113180101	GAUGE LEVEL	油面計	3"	1.00	EA
6.00	NV 00115570103	SWIVEL	美國活動尼龍輪	2"x1"四角	4.00	EA
7.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	16.00	EA
8.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	16.00	EA
9.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	16.00	EA
13.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
14.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
15.00	NV 000799012J	COVER PLATE, GUARD UPER	上蓋板	L1057xW300xH1626	1.00	EA
16.00	NV 000207001J	HINGE CHIP CONVEYOR(CE)	切屑輸送機(鏈板式)(CE)	L3212xW305xH1684	1.00	EA
17.00	NV 000799009J	SCREEN, COOLANT TANK	過濾網	L447xW378xH3.5	2.00	EA
18.00	MS 0103414	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL8	8.00	EA
19.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	8.00	EA
20.00	MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	8.00	EA
21.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	4.00	EA
22.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	4.00	EA
23.00	MS 0103818	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL20	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
24.00	MS 0453314	FLAT HD. MACHINE	十字平頭螺絲	M3* P0.5 *L8	6.00	EA
25.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
26.00	NV 000299083J	OPERATION BOX	操作盒	L157xW66xH50	1.00	EA
27.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
28.00	NV 000299017J	COVER(RIGHT)	防護蓋(右)	L195xW323.3xH88.3	1.00	EA
29.00	NV 000299016J	COVER(LEFT)	防護蓋(左)	L195xW323.3xH88.3	1.00	EA
30.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	6.00	EA
31.00	MW 0103510	FLAT WASHER	平墊圈	M5	6.00	EA
32.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
33.00	NV 00077031708	PLUG, SOCKET HEX.	塞頭	PT1	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	採購方式	2008/1/9	976
B	#10 家組型定製與螺絲打機組式除屑機	2008/2/6	1094



MODEL: GX480/710, GX480/710DT, GX480/710APC, GX480/710 APC DT
PART NAME COOLANT TANK AND AUGER TYPE CHIP CONVEYOR 切削液槽與螺旋式除屑機
PART NUMBER NVA000331510J
DATE 2008/1/9
SCALE 1:11
REV. B
PAGE 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVA000331510J

 Description: COOLANT TANK AND AUGER TYPE CH
 切削水箱與螺旋式除屑機

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NVB000199080J	COOLANT TANK	切削水箱	L1450W510H295	1.00	EA
2.00	NV 000299032J	CHIP COLLECTOR	集屑槽	L1007W350	1.00	EA
3.00	NVA000599045J	SCREEN, COOLANT TANK	過濾網	L177xW244xH5.6	2.00	EA
4.00	NVA000599046J	SCREEN, COOLANT TANK	過濾網	L177xW244xH5.6	2.00	EA
5.00	NV 00113180101	GAUGE LEVEL	油面計	3"	1.00	EA
6.00	NV 00115570103	SWIVEL	美國活動尼龍輪	2"x1"四角	4.00	EA
7.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	16.00	EA
8.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	16.00	EA
9.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	16.00	EA
10.01	NV 000199081J	COVER PLATE, GUARD UPER(AUGER T	上蓋板(螺旋式除屑機)	L1060xW160.4xH297	1.00	EA
11.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	3.00	EA
12.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
13.00	NVA000207009J	AUGER TYPE CHIP CONVEYOR	切屑輸送機(螺旋式)	L1486W300H180	1.00	ST
14.00	MS 0103818	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL20	4.00	EA
15.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	4.00	EA
16.00	MW 0113810	FLAT WASHER(ZINC)	平墊圈(鍍鋅)	M8(8x16x2)	4.00	EA
17.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	6.00	EA
18.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
19.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	4.00	EA
20.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	4.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

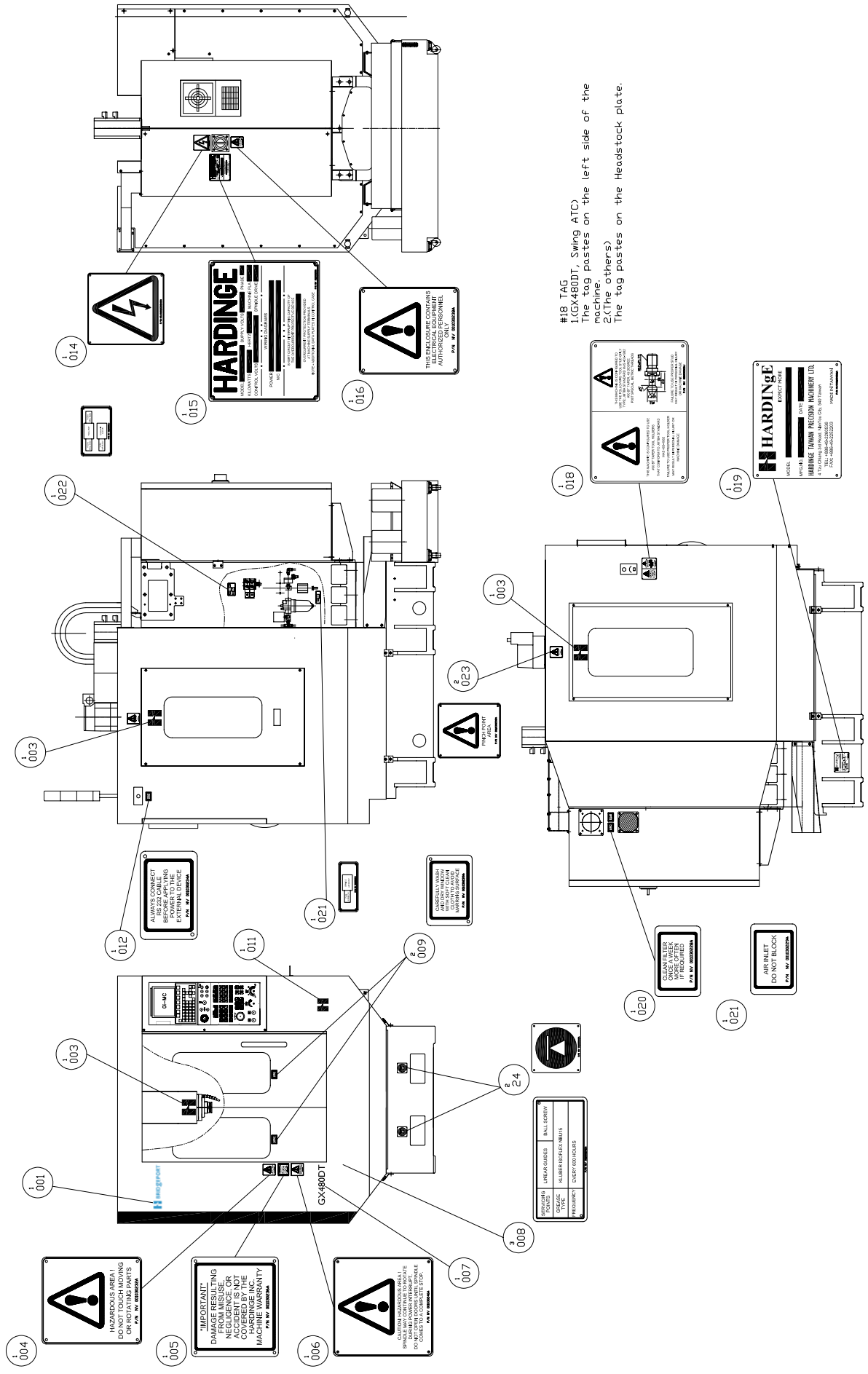
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 000299083J	OPERATION BOX	操作盒	L157xW66xH50	1.00	EA
22.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
23.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
24.00	NV 000299084J	BRACKET, OPERATION BOX	操作盒固定座	L166.3xW106xH157	1.00	EA
25.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	2.00	EA
26.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
27.00	MS 0453314	FLAT HD. MACHINE	十字平頭螺絲	M3* P0.5 *L8	6.00	EA
28.00	NV 000299017J	COVER(RIGHT)	防護蓋(右)	L195xW323.3xH88.3	1.00	EA
29.00	NV 000299016J	COVER(LEFT)	防護蓋(左)	L195xW323.3xH88.3	1.00	EA
30.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	6.00	EA
31.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
32.00	MW 0103510	FLAT WASHER	平墊圈	M5	6.00	EA
33.00	NV 000299033J	COVER, HEAD STOCK	蓋板	L1107W150	1.00	ST

Chapter 10

銘牌位置圖

Button Up

REV	DESCRIPTION	DATE	ECN
A	機台組立	2007/11/1	579
B	機台組立	2007/9/17	731
C	機台組立	2007/8/14	731
D	機台組立	2007/8/27	731
E	機台組立	2007/11/16	899



#18 TAG
 1(GX480DT, Swing ATC)
 The tag pastes on the left side of the machine.
 2(The others)
 The tag pastes on the Headstock plate.

MODEL: GX480/710 and GX480/710DT
PART NAME BUTTON UP<BT-30> 銘牌位置圖<BT-30 英文>
PART NUMBER NV 00011102J
PAGE 1 OF 1
DATE 2004/12/15
SCALE 1:35
REV. D

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000111102J

Description: BOTTON UP(BT-30)

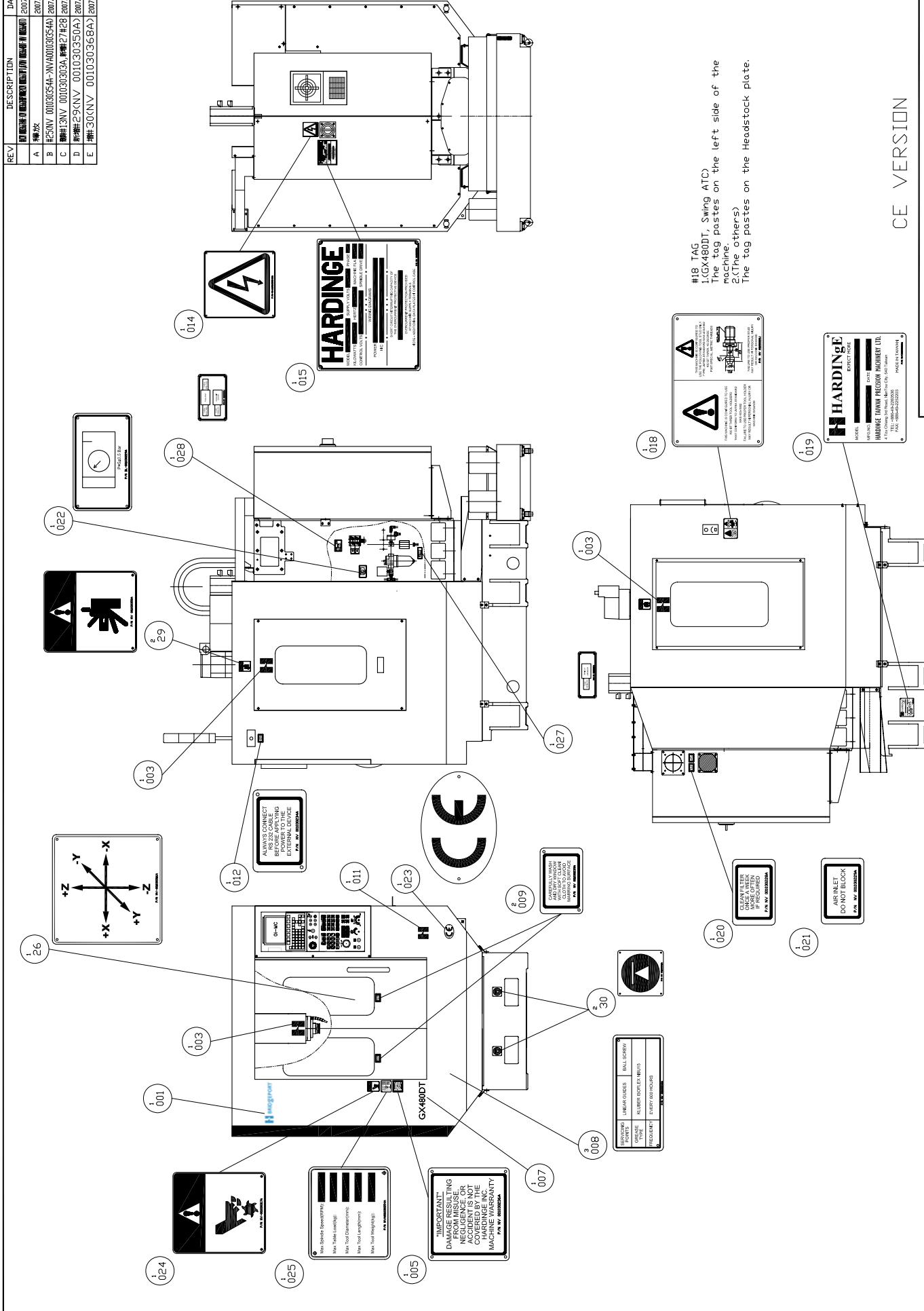
銘牌位置圖(BT-30英文)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	CM 0010366THAR	TAG, HARDINGE LOGO	HARDINGE LOGO 銘牌	PER ATTACHMENT	1.00	EA
2.00	CM 0010366TBPT	TAG, BRIDGEPORT	BRIDGEPORT 銘牌	PER ATTACHMENT	1.00	EA
3.00	CM 0010366BIGH	TAG, BIG H	HARDINGE 銘牌	PER ATTACHMENT(L120xW120)	3.00	EA
4.00	NV 001030232A	TAG, ROTATING PARTS	銘牌	L67xW76	1.00	EA
5.00	NV 001030236A	TAG, MISUSE	銘牌	L76xW67	1.00	EA
6.00	NV 001030246A	TAG, SPINDLE ROTATING	銘牌	L76xW76	1.00	EA
7.00	NV 001036648DT	TAG, MACHINE MODEL(VMC480#30)	VMC480#30 機型 銘牌	PER ATTACHMENT(L166xW32)	1.00	EA
8.00	NV 001030242A	TAG, LUBRICATION	銘牌	L95xW41	3.00	EA
9.00	NV 001030239A	TAG, WINDOW CLEANING	銘牌	L54xW35	2.00	EA
11.00	CM 0010366SH	TAG, HARDINGE LOGO	HARDINGE LOGO 銘牌(小H)	PER ATTACHMENT(L60xW60)	1.00	EA
12.00	NV 001030234A	TAG, RS 232	銘牌	L54xW35	1.00	EA
14.00	NVA001030240A	TAG, ELECTRICAL HAZARD	銘牌	L94xW100	1.00	EA
15.00	NV 001030253A	TAG, DATA PLATE BLANK	電氣 銘牌	L162xW127	1.00	EA
16.00	NV 001030238A	TAG, ELEC. ENCLOSURE	銘牌	L67xW76	1.00	EA
18.00	NV 001030323J	ENGLISH TAG(BT30)	英文 銘牌(BT30)	L131xW90	1.00	EA
19.00	NVC001030221A	TAG, MACHINE MODEL	機型 銘牌	L120xW90xH0.8	1.00	EA
20.00	NV 001030228A	TAG, FILTER CLEANING	銘牌	L54xW35	1.00	EA
21.00	NV 001030367J	TAG, SPINDLE AIR BLOW	銘牌(主軸內孔除屑)英文	L76XW30	1.00	EA
22.00	NV 001030366J	TAG, SOLENOID(SWING ARM ATC)	銘牌(換刀臂式ATC)英文	L76XW47	1.00	EA
23.00	NV 001030233A	TAG, PINCH POINT(USA)	銘牌	L67xW76	1.00	ST

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
24.00	NV 001030368A	TAG, LIFTING POINT	堆高機舉起處銘牌	L60xW60	2.00	ST

REV	DESCRIPTION	DATE	ECN
A	機台仕様変更(部品追加)	2007/1/1	575
B	仕様変更(部品追加)	2007/7/27	703
C	仕様変更(部品追加)	2007/8/14	731
D	仕様変更(部品追加)	2007/8/28	761
E	仕様変更(部品追加)	2007/11/6	899



#18 TAG
 LGX480DT, Swing ATC.
 The tag pastes on the left side of the machine.
 (Others)
 The tag pastes on the Headstock plate.

CE VERSION

MODEL: GX480/710 and GX480/710 DT
PART NAME: 銘牌位置圖
PART NUMBER: KBT-30 CE
DATE: 2004/12/15
SCALE: 1:35
REV: E
MODEL: GX480/710 and GX480/710 DT
PART NAME: 銘牌位置圖
PART NUMBER: NV 00011102JS
DATE: 2004/12/15
SCALE: 1:35
REV: E
MODEL: GX480/710 and GX480/710 DT
PART NAME: 銘牌位置圖
PART NUMBER: BUTTON UP<BT-30 CE>
DATE: 2004/12/15
SCALE: 1:35
REV: E

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000111102JS

Description: BOTTON UP(BT-30,CE)

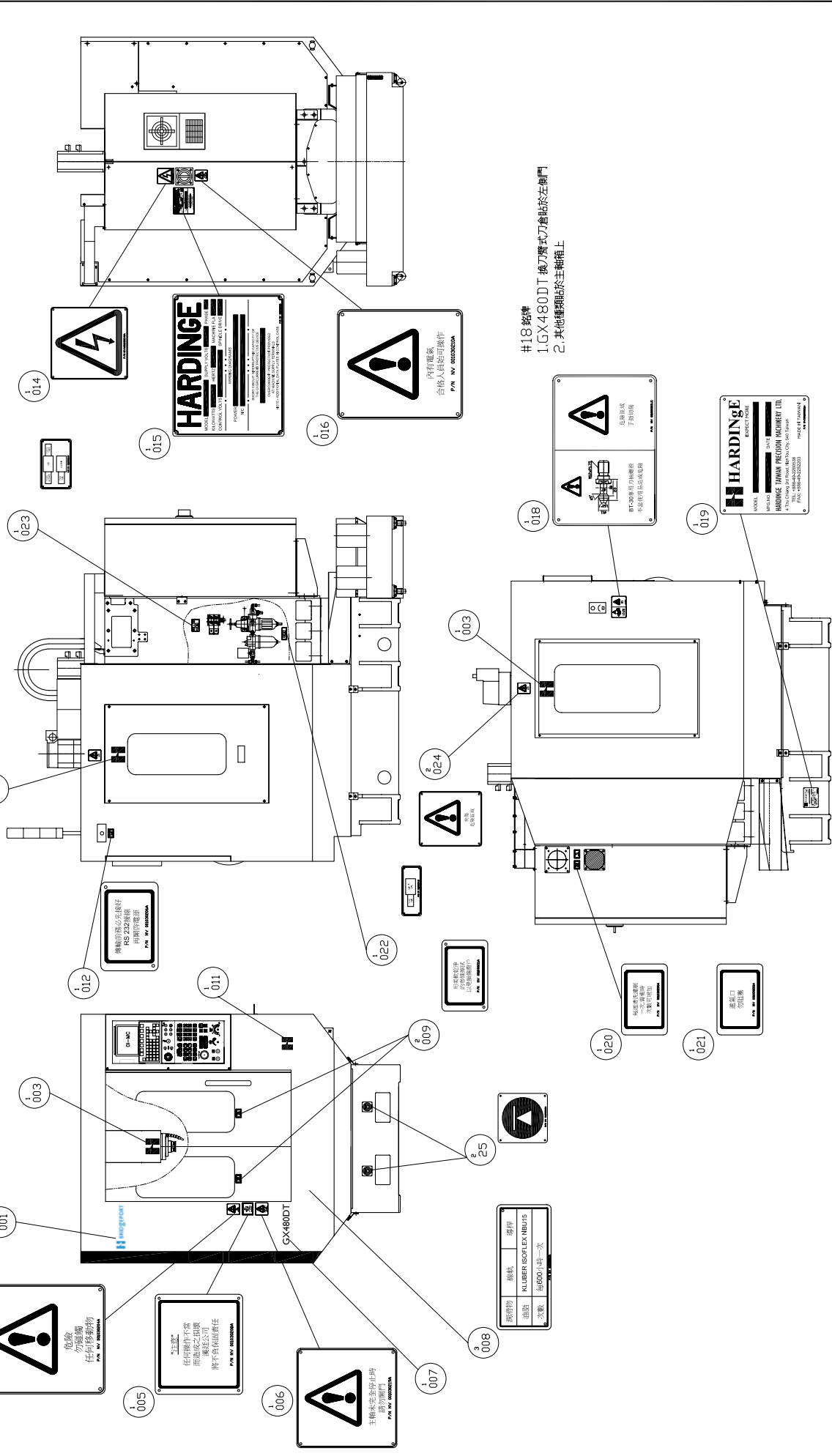
銘牌位置圖(BT-30英文,CE)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	CM 00103661HBP	H BRIDGEPORT LOGO DECAL	H BRIDGEPORT LOGO銘牌貼紙	L195	1.00	EA
3.00	CM 0010366BIGH	TAG, BIG H	HARDINGE銘牌	PER ATTACHMENT(L120xW120)	3.00	EA
5.00	NV 001030236A	TAG, MISUSE	銘牌	L76xW67	1.00	EA
7.01	NV 001036648TT	TAG, MACHINE MODEL(GX 480 DT)	GX 480 DT機型銘牌	L232xW35.1	1.00	EA
8.00	NV 001030242A	TAG, LUBRICATION	銘牌	L95xW41	3.00	EA
9.00	NV 001030239A	TAG, WINDOW CLEANING	銘牌	L54xW35	2.00	EA
11.00	CM 0010366SH	TAG, HARDINGE LOGO	HARDINGE LOGO銘牌(小H)	PER ATTACHMENT(L60xW60)	1.00	EA
12.00	NV 001030234A	TAG, RS 232	銘牌	L54xW35	1.00	EA
14.00	NVA001030240A	TAG, ELECTRICAL HAZARD	銘牌	L94xW100	1.00	EA
15.00	NV 001030253A	TAG, DATA PLATE BLANK	電氣銘牌	L162xW127	1.00	EA
18.00	NV 001030323J	ENGLISH TAG(BT30)	英文銘牌(BT30)	L131xW90	1.00	EA
19.00	NVC001030221A	TAG, MACHINE MODEL	機型銘牌	L120xW90xH0.8	1.00	EA
20.00	NV 001030228A	TAG, FILTER CLEANING	銘牌	L54xW35	1.00	EA
21.00	NV 001030229A	TAG, AIR INLET	銘牌	L54xW35	1.00	EA
22.00	BL 001030229A	TAG, PNEUMATIC	氣壓銘牌	L80xW48	1.00	EA
23.00	NV 001030252A	TAG, CE	CE標誌銘牌	L92xW62	1.00	EA
24.00	NV 001030317A	TAG, ROTATION PART	手指剪斷銘牌	L76xW67	1.00	EA
25.01	NVA001030354A	english TAG, SPINDLE SPEED	主軸轉速銘牌(英文)	L76xW67	1.00	EA
26.00	NV 001030316A	TAG, DIRECTION	方向銘牌	L90xW90	1.00	EA
27.00	NV 001030367J	TAG, SPINDLE AIR BLOW	銘牌(主軸內孔除屑)英文	L76xW30	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
28.00	NV 001030366J	TAG, SOLENOID(SWING ARM ATC)	銘牌(換刀臂式ATC)英文	L76XW47	1.00	EA
29.00	NV 001030350A	TAG, PINCH POINT	夾傷區域銘牌	L76xW67	1.00	ST
30.00	NV 001030368A	TAG, LIFTING POINT	堆高機舉起處銘牌	L60xW60	2.00	ST

REV	DESCRIPTION	DATE	ECN
A	機殼鎖孔鎖緊螺絲(增加防盜功能)	2007/11/1	579
B	機殼鎖孔鎖緊螺絲(增加防盜功能)	2007/8/14	731
C	機殼鎖孔鎖緊螺絲(增加防盜功能)	2007/8/14	761
D	機殼鎖孔鎖緊螺絲(增加防盜功能)	2007/11/16	899



#18 銘牌
 1. GX480DT 機刀臂式刀倉貼於左側門
 2. 其他種類貼於主軸箱上

CHINESE VERSION

MODEL: GX480/710 and GX480/710 DT
PART NAME: BUTTON UP<BT-30>
PART NUMBER: NV 00011102JC
銘牌位置圖<BT-30 中文>
DATE: 2004/12/15
SCALE: 1:35
REV: D
PAGE: 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000111102JC

Description: BOTTON UP(BT-30)

銘牌位置圖(BT-30中文)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	CM 00103661HBP	H BRIDGEPORT LOGO DECAL	H BRIDGEPORT LOGO 銘牌貼紙	L195	1.00	EA
3.00	CM 0010366BIGH	TAG, BIG H	HARDINGE 銘牌	PER ATTACHMENT(L120xW120)	3.00	EA
4.00	NV 001030204A	TAG, ROTATING PARTS	銘牌	L76xW67	1.00	EA
5.00	NV 001030208A	TAG, MISUSE	銘牌	L76xW67	1.00	EA
6.00	NV 001030219A	TAG, SPINDLE ROTATION	銘牌	L76xW76	1.00	EA
7.01	NV 001036648TT	TAG, MACHINE MODEL(GX 480 DT)	GX 480 DT機型銘牌	L232xW35.1	1.00	EA
8.00	NV 001030215A	TAG, LUBRICATION	銘牌	L95xW41	3.00	EA
9.00	NV 001030211A	TAG, WINDOW CLEANING	銘牌	L54xW35	2.00	EA
11.00	CM 0010366SH	TAG, HARDINGE LOGO	HARDINGE LOGO 銘牌(小H)	PER ATTACHMENT(L60xW60)	1.00	EA
12.00	NV 001030206A	TAG, RS232	銘牌	L54xW35	1.00	EA
14.00	NVA001030240A	TAG, ELECTRICAL HAZARD	銘牌	L94xW100	1.00	EA
15.00	NV 001030253A	TAG, DATA PLATE BLANK	電氣銘牌	L162xW127	1.00	EA
16.00	NV 001030210A	TAG, ELEC. ENCLOSURE	銘牌	L76xW67	1.00	EA
18.01	NV 001030323JC	Chinese TAG(BT30)	中文銘牌(BT30)	L131xW96	1.00	EA
19.00	NVC001030221A	TAG, MACHINE MODEL	機型銘牌	L120xW90xH0.8	1.00	EA
20.00	NV 001030200A	TAG, FILTER CLEANING	銘牌	L54xW35	1.00	EA
21.00	NV 001030201A	TAG, AIR INLET	銘牌	L54xW35	1.00	EA
22.00	NV 001030367JC	TAG, SPINDLE AIR BLOW	銘牌(主軸內孔除屑)中	L76XW30	1.00	EA
23.00	NV 001030366JC	TAG, SOLENOID(SWING ARM ATC)	銘牌(換刀臂式ATC)中	L76XW47	1.00	EA
24.00	NV 001030205A	TAG, PINCH POINT	銘牌	L76xW67	2.00	ST

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
25.00	NV 001030368A	TAG, LIFTING POINT	堆高機舉起處銘牌	L60xW60	2.00	ST

PRODUCT BOM MASTER AND SUB-ITEMS LIST

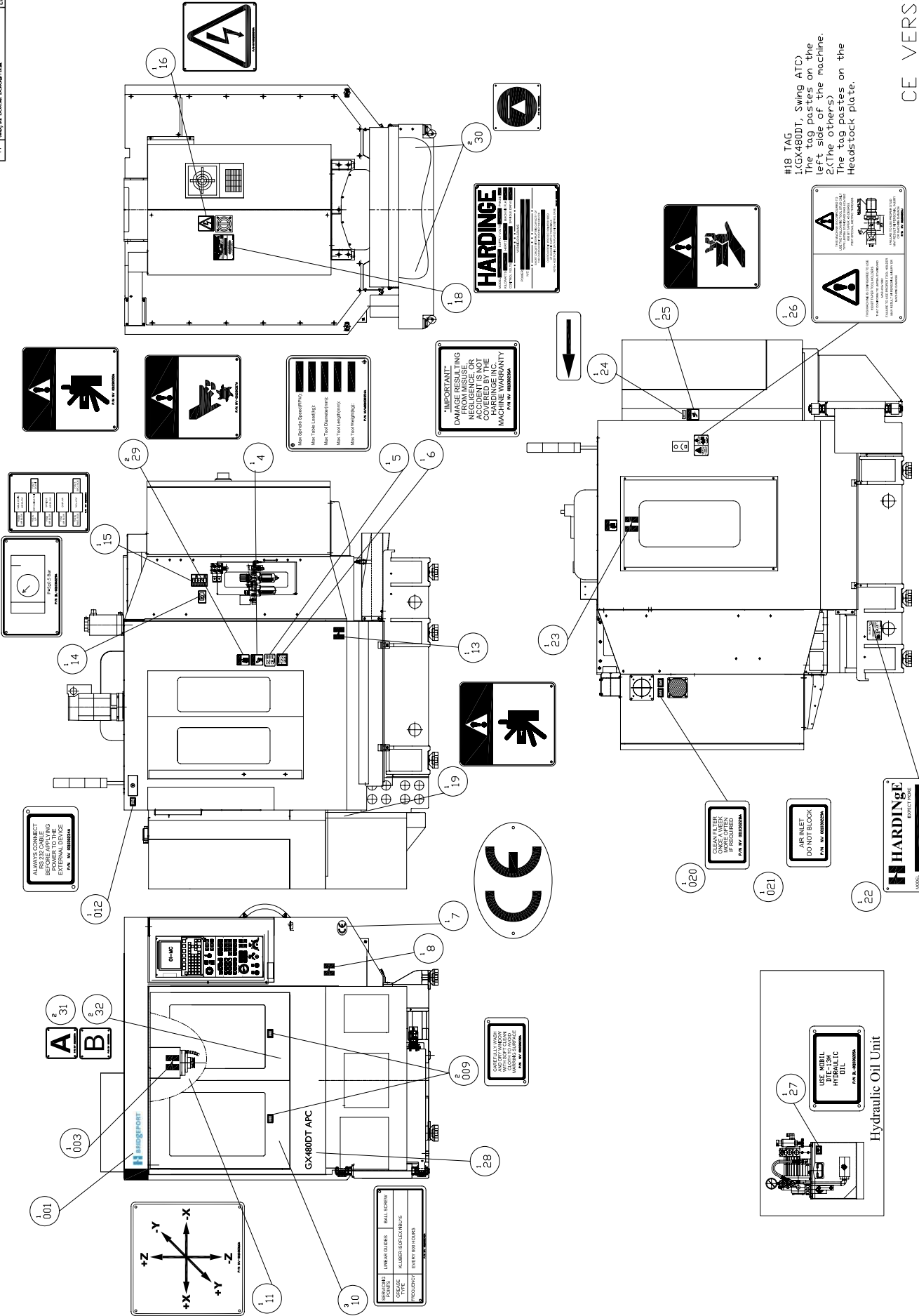
Master Item Part NO.: NVA000111129J

Description: BOTTON UP(BT-ENGLISH)
銘牌位置圖(BT 英文)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	CM 00103661HBP	H BRIDGEPORT LOGO DECAL	H BRIDGEPORT LOGO 銘牌貼紙	L195	1.00	EA
3.00	CM 0010366BIGH	TAG, BIG H	HARDINGE 銘牌	PER ATTACHMENT(L120xW120)	1.00	EA
4.00	NV 001030232A	TAG, ROTATING PARTS	銘牌	L67xW76	1.00	EA
5.00	NV 001030246A	TAG, SPINDLE ROTATING	銘牌	L76xW76	1.00	EA
6.00	NV 001030236A	TAG, MISUSE	銘牌	L76xW67	1.00	EA
7.00	NV 001030238A	TAG, ELEC. ENCLOSURE	銘牌	L67xW76	1.00	EA
8.00	CM 0010366SH	TAG, HARDINGE LOGO	HARDINGE LOGO 銘牌(小H)	PER ATTACHMENT(L60xW60)	1.00	EA
9.00	NV 001030239A	TAG, WINDOW CLEANING	銘牌	L54xW35	2.00	EA
10.00	NV 001030242A	TAG, LUBRICATION	銘牌	L95xW41	3.00	EA
11.00	NV 001030233A	TAG, PINCH POINT(USA)	銘牌	L67xW76	2.00	EA
12.00	NV 001030234A	TAG, RS 232	銘牌	L54xW35	1.00	EA
13.00	CM 0010366BIGH	TAG, BIG H	HARDINGE 銘牌	PER ATTACHMENT(L120xW120)	1.00	EA
15.00	NV 001030359J	TAG, SOLENOID[480APC]	電磁閥銘牌(480APC)	L76xW102.6	1.00	EA
16.00	NVA001030240A	TAG, ELECTRICAL HAZARD	銘牌	L94xW100	1.00	EA
18.00	NV 001030253A	TAG, DATA PLATE BLANK	電氣銘牌	L162xW127	1.00	EA
19.00	NV 001030350A	TAG, PINCH POINT	夾傷區域銘牌	L76xW67	1.00	EA
20.00	NV 001030228A	TAG, FILTER CLEANING	銘牌	L54xW35	1.00	EA
21.00	NV 001030229A	TAG, AIR INLET	銘牌	L54xW35	1.00	EA
22.00	NVC001030221A	TAG, MACHINE MODEL	機型銘牌	L120xW90xH0.8	1.00	EA
23.00	CM 0010366BIGH	TAG, BIG H	HARDINGE 銘牌	PER ATTACHMENT(L120xW120)	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
24.00	NV 001030258A	TAG, ARROW SIGN	箭號銘牌	L54xW19	1.00	EA
25.00	BL 001030223A	TAG, PINCH POINT	夾傷區域銘牌	L76xW67	1.00	EA
26.00	NV 001030323J	ENGLISH TAG(BT30)	英文銘牌(BT30)	L131xW90	1.00	EA
27.00	BL 001030205A	TAG, LUBRICATION	銘牌	L54xW35	1.00	EA
28.00	NV 001036648AP	TAG, MACHINE MODEL(GX480DTAPC)	GX480DTAPC機型銘牌	PER ATTACHMENT(L337.6xW35.1)	1.00	EA
29.00	NV 001030350A	TAG, PINCH POINT	夾傷區域銘牌	L76xW67	2.00	EA
30.00	NV 001030368A	TAG, LIFTING POINT	堆高機舉起處銘牌	L60xW60	2.00	EA
31.00	NV 001030357A	TAG, PALLET	梭台銘牌	L40xW40	2.00	EA
32.00	NV 001030358A	TAG, PALLET	梭台銘牌	L40xW40	2.00	EA



#18 TAG
 1.(GX480DT, Swing ATC)
 The tag pastes on the left side of the machine.
 2.(The others)
 The tag pastes on the Headstock plate.

CE VERSION

MODEL: GX480 APC and GX480DT APC	PART NUMBER	REV. A
PART NAME	NVA00011129JS	SCALE 1:35
銘機位置圖<BT-30 CE>	PAGE 1 OF 1	DATE 2007/11/30
BUTTON UP<BT-30 CE>		

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVA000111129JS

Description: BOTTON UP(BT-CE)
銘牌位置圖(BT CE)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	CM 00103661HBP	H BRIDGEPORT LOGO DECAL	H BRIDGEPORT LOGO 銘牌貼紙	L195	1.00	EA
3.00	CM 0010366BIGH	TAG, BIG H	HARDINGE 銘牌	PER ATTACHMENT(L120xW120)	1.00	EA
4.00	NV 001030317A	TAG, ROTATION PART	手指剪斷銘牌	L76xW67	1.00	EA
5.00	NV 001030354A	english TAG, SPINDLE SPEED	主軸轉速銘牌(英文)	L76xW67	1.00	EA
6.00	NV 001030236A	TAG, MISUSE	銘牌	L76xW67	1.00	EA
7.00	NV 001030252A	TAG, CE	CE標誌銘牌	L92xW62	1.00	EA
8.00	CM 0010366SH	TAG, HARDINGE LOGO	HARDINGE LOGO 銘牌(小H)	PER ATTACHMENT(L60xW60)	1.00	EA
9.00	NV 001030239A	TAG, WINDOW CLEANING	銘牌	L54xW35	2.00	EA
10.00	NV 001030242A	TAG, LUBRICATION	銘牌	L95xW41	3.00	EA
11.00	NV 001030316A	TAG, DIRECTION	方向銘牌	L90xW90	1.00	EA
12.00	NV 001030234A	TAG, RS 232	銘牌	L54xW35	1.00	EA
13.00	CM 0010366BIGH	TAG, BIG H	HARDINGE 銘牌	PER ATTACHMENT(L120xW120)	1.00	EA
14.00	BL 001030229A	TAG, PNEUMATIC	氣壓銘牌	L80xW48	1.00	EA
15.00	NV 001030359J	TAG, SOLENOID[480APC]	電磁閥銘牌(480APC)	L76xW102.6	1.00	EA
16.00	NVA001030240A	TAG, ELECTRICAL HAZARD	銘牌	L94xW100	1.00	EA
18.00	NV 001030253A	TAG, DATA PLATE BLANK	電氣銘牌	L162xW127	1.00	EA
19.00	NV 001030350A	TAG, PINCH POINT	夾傷區域銘牌	L76xW67	1.00	EA
20.00	NV 001030228A	TAG, FILTER CLEANING	銘牌	L54xW35	1.00	EA
21.00	NV 001030229A	TAG, AIR INLET	銘牌	L54xW35	1.00	EA
22.00	NVC001030221A	TAG, MACHINE MODEL	機型銘牌	L120xW90xH0.8	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
23.00	CM 0010366BIGH	TAG, BIG H	HARDINGE 銘牌	PER ATTACHMENT(L120xW120)	1.00	EA
24.00	NV 001030258A	TAG, ARROW SIGN	箭號 銘牌	L54xW19	1.00	EA
25.00	BL 001030223A	TAG, PINCH POINT	夾傷區域 銘牌	L76xW67	1.00	EA
26.00	NV 001030323J	ENGLISH TAG(BT30)	英文 銘牌(BT30)	L131xW90	1.00	EA
27.00	BL 001030205A	TAG, LUBRICATION	銘牌	L54xW35	1.00	EA
28.00	NV 001036648AP	TAG, MACHINE MODEL(GX480DTAPC)	GX480DTAPC機型 銘牌	PER ATTACHMENT(L337.6xW35.1)	1.00	EA
29.00	NV 001030350A	TAG, PINCH POINT	夾傷區域 銘牌	L76xW67	2.00	EA
30.00	NV 001030368A	TAG, LIFTING POINT	堆高機舉起處 銘牌	L60xW60	2.00	EA
31.00	NV 001030357A	TAG, PALLET	梭台 銘牌	L40xW40	2.00	EA
32.00	NV 001030358A	TAG, PALLET	梭台 銘牌	L40xW40	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVA00011129JC

Description: BOTTON UP(BT CHINESE)
銘牌位置圖(BT 中文)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	CM 00103661HBP	H BRIDGEPORT LOGO DECAL	H BRIDGEPORT LOGO 銘牌貼紙	L195	1.00	EA
3.00	CM 0010366BIGH	TAG, BIG H	HARDINGE 銘牌	PER ATTACHMENT(L120xW120)	1.00	EA
4.00	NV 001030204A	TAG, ROTATING PARTS	銘牌	L76xW67	1.00	EA
5.00	NV 001030208A	TAG, MISUSE	銘牌	L76xW67	1.00	EA
6.00	NV 001030219A	TAG, SPINDLE ROTATION	銘牌	L76xW76	1.00	EA
7.00	NV 001030210A	TAG, ELEC. ENCLOSURE	銘牌	L76xW67	1.00	EA
8.00	CM 0010366SH	TAG, HARDINGE LOGO	HARDINGE LOGO 銘牌(小H)	PER ATTACHMENT(L60xW60)	1.00	EA
9.00	NV 001030211A	TAG, WINDOW CLEANING	銘牌	L54xW35	2.00	EA
10.00	NV 001030215A	TAG, LUBRICATION	銘牌	L95xW41	3.00	EA
11.00	NV 001030205A	TAG, PINCH POINT	銘牌	L76xW67	2.00	EA
12.00	NV 001030206A	TAG, RS232	銘牌	L54xW35	1.00	EA
13.00	CM 0010366BIGH	TAG, BIG H	HARDINGE 銘牌	PER ATTACHMENT(L120xW120)	1.00	EA
15.00	NV 001030359J	TAG, SOLENOID[480APC]	電磁閥銘牌(480APC)	L76xW102.6	1.00	EA
16.00	NVA001030240A	TAG, ELECTRICAL HAZARD	銘牌	L94xW100	1.00	EA
18.00	NV 001030253A	TAG, DATA PLATE BLANK	電氣銘牌	L162xW127	1.00	EA
19.00	NV 001030350A	TAG, PINCH POINT	夾傷區域銘牌	L76xW67	1.00	EA
20.00	NV 001030200A	TAG, FILTER CLEANING	銘牌	L54xW35	1.00	EA
21.00	NV 001030201A	TAG, AIR INLET	銘牌	L54xW35	1.00	EA
22.00	NVC001030221A	TAG, MACHINE MODEL	機型銘牌	L120xW90xH0.8	1.00	EA
23.00	CM 0010366BIGH	TAG, BIG H	HARDINGE 銘牌	PER ATTACHMENT(L120xW120)	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

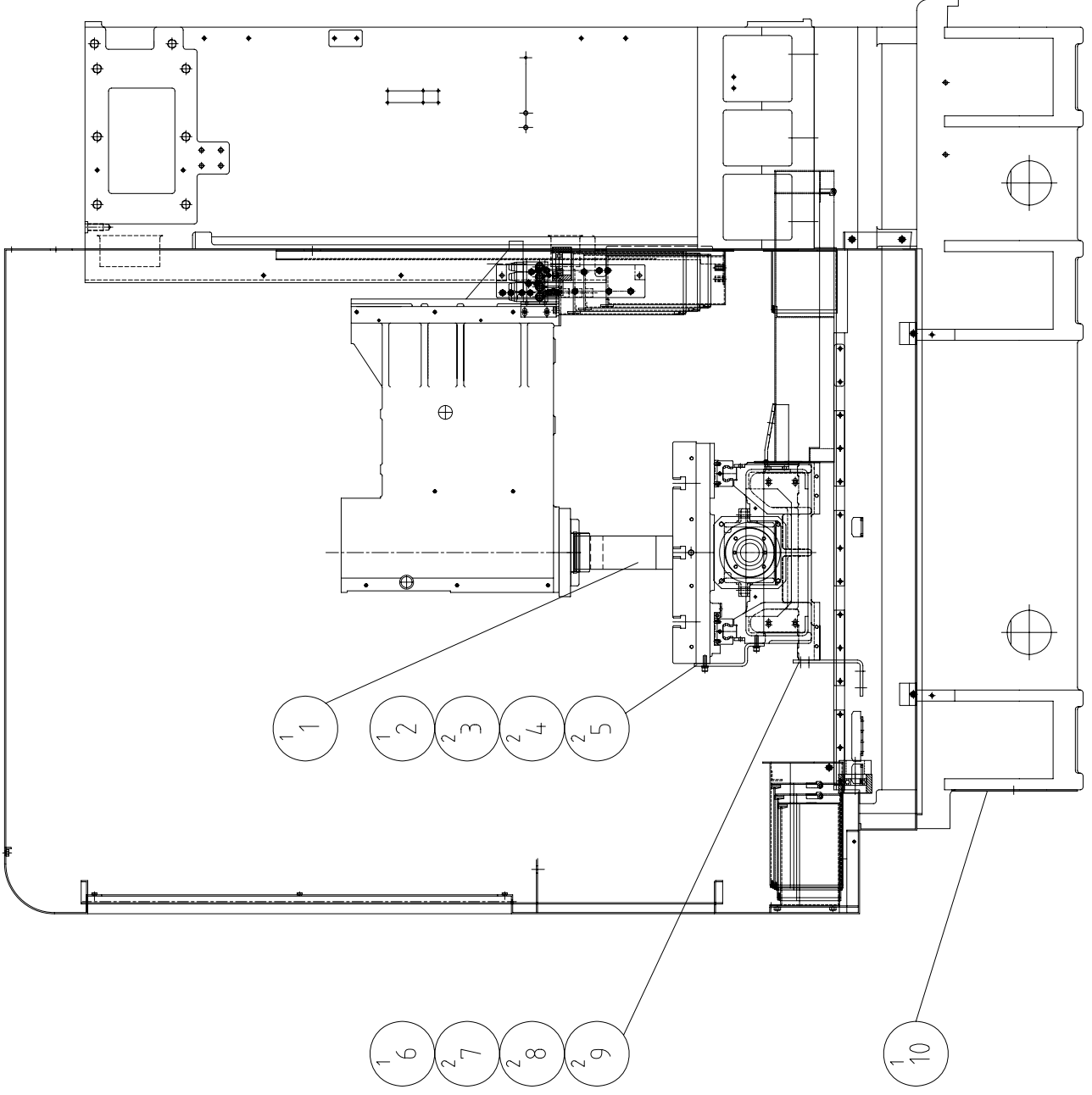
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
24.00	NV 001030258A	TAG, ARROW SIGN	箭號銘牌	L54xW19	1.00	EA
25.00	BL 001030223A	TAG, PINCH POINT	夾傷區域銘牌	L76xW67	1.00	EA
26.00	NV 001030323JC	Chinese TAG(BT30)	中文銘牌(BT30)	L131xW96	1.00	EA
27.00	BL 001030205AC	TAG, LUBRICATION	銘牌-中文	L54xW35	1.00	EA
28.00	NV 001036648AP	TAG, MACHINE MODEL(GX480DTAPC)	GX480DTAPC機型銘牌	PER ATTACHMENT(L337.6xW35.1)	1.00	EA
29.00	NV 001030368A	TAG, LIFTING POINT	堆高機舉起處銘牌	L60xW60	2.00	EA
30.00	NV 001030357A	TAG, PALLET	梭台銘牌	L40xW40	2.00	EA
31.00	NV 001030358A	TAG, PALLET	梭台銘牌	L40xW40	2.00	EA

Chapter 11

運輸用固定零件

Shipping Parts

REV	DESCRIPTION	DATE	ENL
A	採集方法	2007/5/10	579



MODEL: DT4.80/710/300	PART NUMBER
SHIPPING PARTS(W/O APC)	NV 001045306J
運輸用固定零件(無APC時用)	PAGE 1 OF 1
DATE 2005/11/5	REV. A
SCALE 1:1	

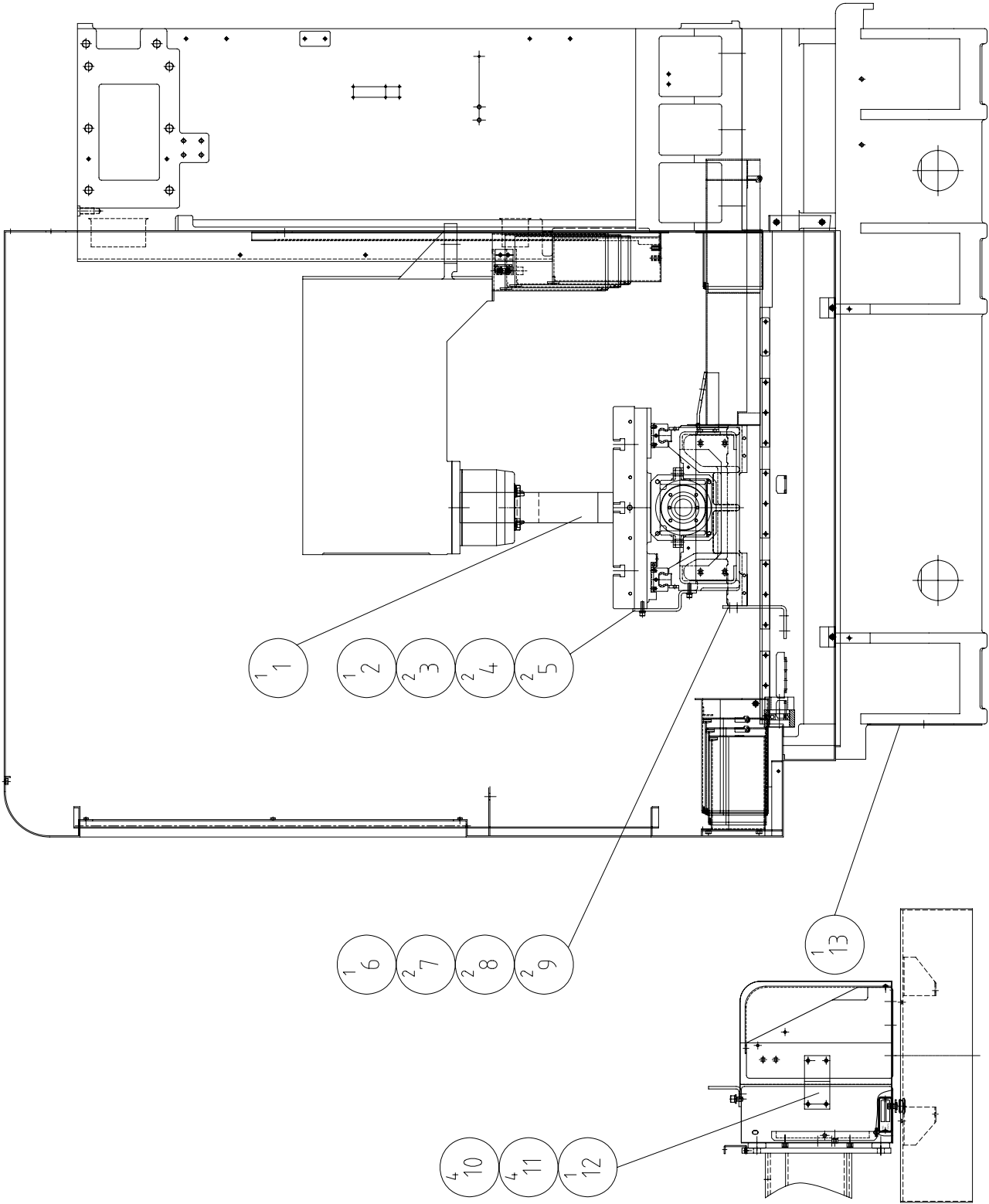
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 001045306J

Description: SHIPPING PARTS(W/O APC)
運輸用固定零件(無APC時用)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	S5100400268	TRANSPORT SHELF FOR SPINDLE	主軸運輸支撐架#30	L200xW217xH60	1.00	EA
2.00	NV 000199033J	RETAINER, SHIPPING	固定版	L40xW41.2xH126	1.00	EA
3.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	2.00	EA
4.00	MW 0103510	FLAT WASHER	平墊圈	M5	2.00	EA
5.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	2.00	EA
6.00	NV 000199006J	RETAINER, SHIPPING	固定版	L55xW65xH126	1.00	EA
7.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	2.00	EA
8.00	MW 0103510	FLAT WASHER	平墊圈	M5	2.00	EA
9.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	2.00	EA
10.00	NV 000699081J	COVER, LIFT HOLE	堆高機孔蓋	L600xW227xH2.3	1.00	EA

REV	DESCRIPTION	DATE	ECK
A	採集方法	2007/5/10	579



MODEL: VMC480/710 & EC0710	PART NUMBER: NV 001045306L
PART NAME: SHIPPING PARTS(W/O APC)	PAGE: 1 OF 1
運輸用固定零件(無APC時用)	REV: A
DATE: 2005/11/5	SCALE: 1:1

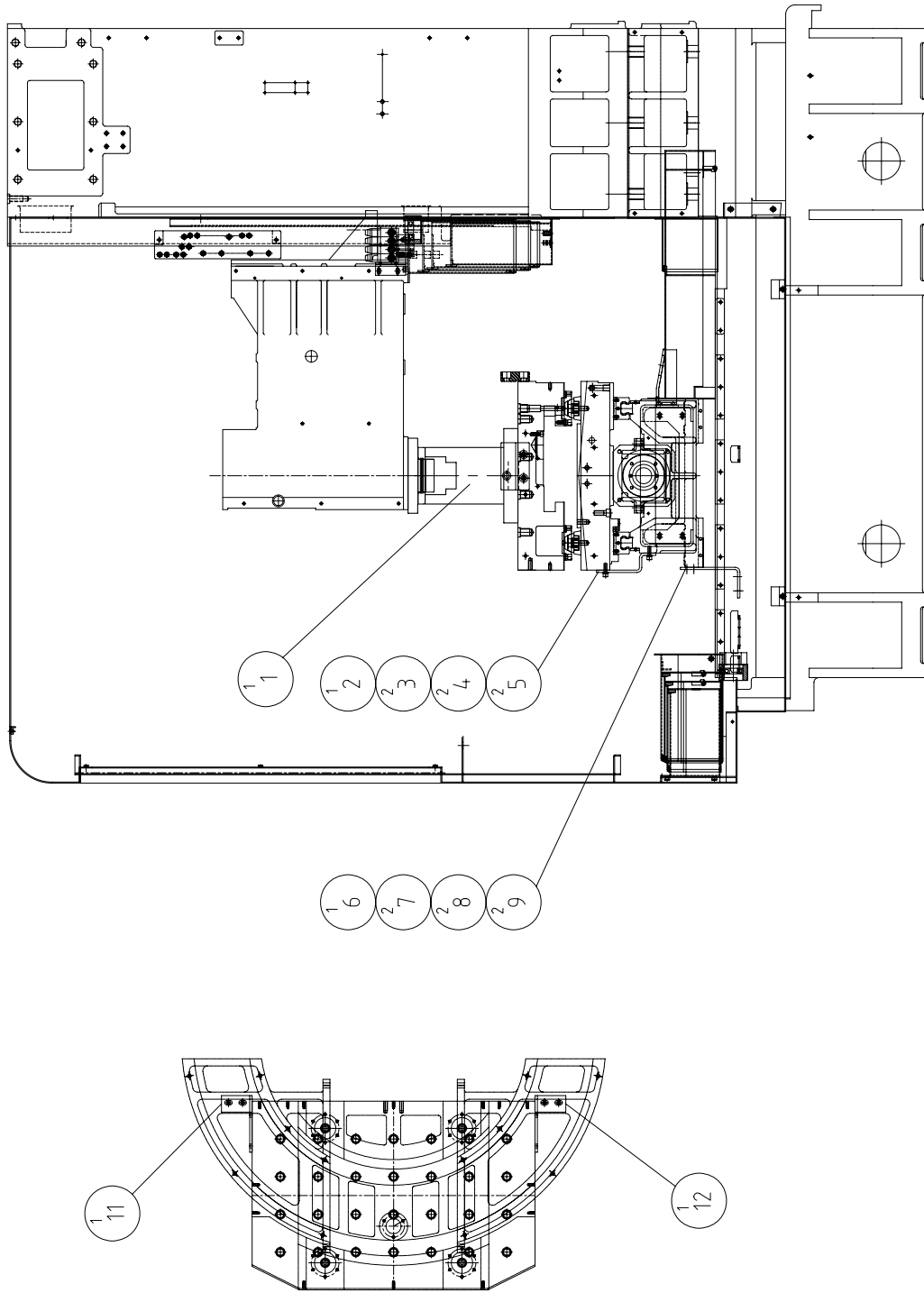
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 001045306L

Description: SHIPPING PARTS(W/O APC)
運輸用固定零件(無APC時用)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	S5100400269	TRANSPORT SHELF FOR SPINDLE	主軸運輸支撐架#40	L317xW303xH60	1.00	EA
2.00	NV 000199033J	RETAINER, SHIPPING	固定版	L40xW41.2xH126	1.00	EA
3.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	2.00	EA
4.00	MW 0103510	FLAT WASHER	平墊圈	M5	2.00	EA
5.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	2.00	EA
6.00	NV 000199006J	RETAINER, SHIPPING	固定版	L55xW65xH126	1.00	EA
7.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	2.00	EA
8.00	MW 0103510	FLAT WASHER	平墊圈	M5	2.00	EA
9.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	2.00	EA
10.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
11.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
12.00	NV 000299059A	PLATE, STORER	限制板	L106xW50xH20	1.00	EA
13.00	NV 000699081J	COVER, LIFT HOLE	堆高機孔蓋	L600xW227xH2.3	1.00	EA

REV	DESCRIPTION	DATE	ECK
A	环境方针	2007/5/10	579



MODEL: DT4.80/710/300

PART NAME

SHIPPING PARTS(WITH APC)

運輸用固定零件(APC時用)

PART NUMBER

NV 001045346J

PAGE 1 OF 1

REV. A

SCALE 1:1.5

DATE 2006/5/23

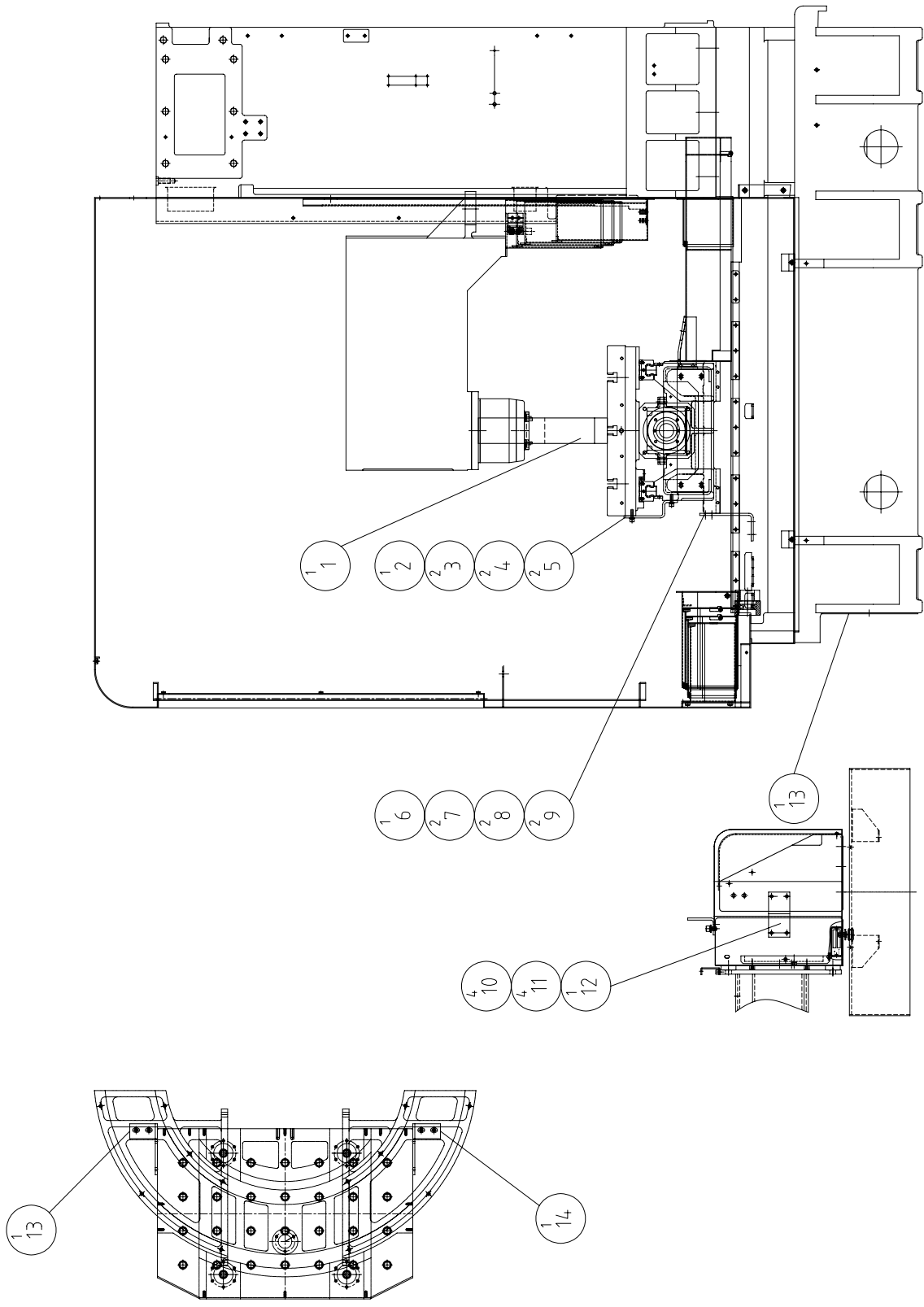
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 001045346J

Description: SHIPPING PARTS[WITH APC)
運輸用固定零件(APC時用)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	S5100400326	TRANSPORT SHELF FOR SPD (APC)	主軸運輸支撐架#30 (APC)	DT480 APC	1.00	EA
2.00	NV 000199033J	RETAINER, SHIPPING	固定版	L40xW41.2xH126	1.00	EA
3.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	2.00	EA
4.00	MW 0103510	FLAT WASHER	平墊圈	M5	2.00	EA
5.00	MW 0103510	FLAT WASHER	平墊圈	M5	2.00	EA
6.00	NV 000199006J	RETAINER, SHIPPING	固定版	L55xW65xH126	1.00	EA
7.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	2.00	EA
8.00	MW 0103510	FLAT WASHER	平墊圈	M5	2.00	EA
9.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	2.00	EA
13.00	NV 000799043J	RETAINER, SHIPPING(480APC)	工作台運輸固定座(右)	L120xW65xH83	1.00	EA
14.00	NV 000799044J	RETAINER, SHIPPING(480APC)	工作台運輸固定座(左)	L120xW65xH83	1.00	EA

REV	DESCRIPTION	DATE	ECK
A	环境为安	2007/5/10	579



MODEL: VMC480APC	
PART NAME	PART NUMBER
SHIPPING PARTS(WITH APC)	NV 001045346L
運輸用固定零件(APC)	PAGE 1 OF 1
DATE 2007/7/18	REV. A
JACK POINT	SCALE 1:1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 001045346L

Description: SHIPPING PARTS[WITH APC]
運輸用固定零件(APC時用)

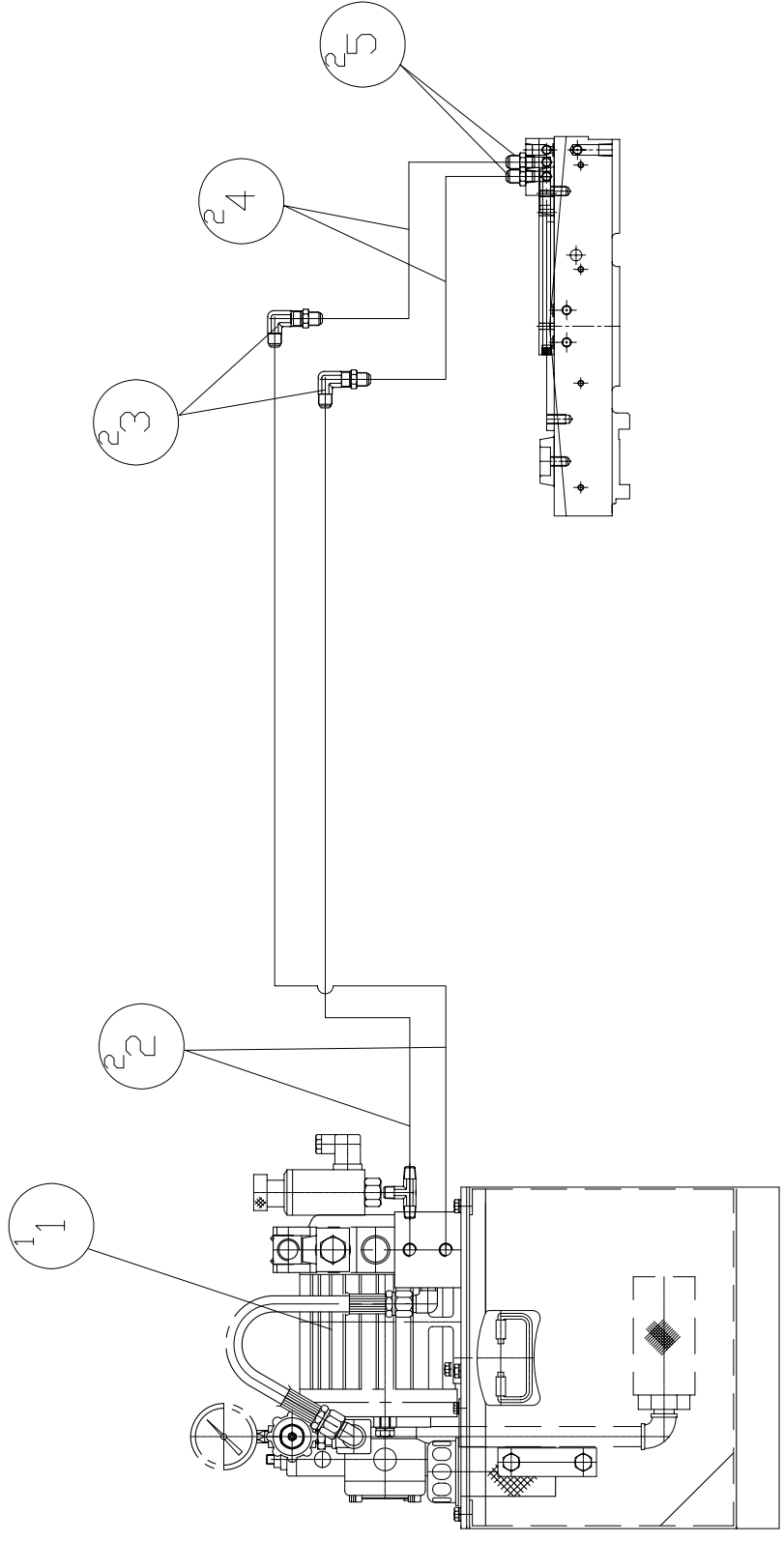
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	S5100400269	TRANSPORT SHELF FOR SPINDLE	主軸運輸支撐架#40	L317xW303xH60	1.00	EA
2.00	NV 000199033J	RETAINER, SHIPPING	固定版	L40xW41.2xH126	1.00	EA
3.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	2.00	EA
4.00	MW 0103510	FLAT WASHER	平墊圈	M5	2.00	EA
5.00	MW 0103510	FLAT WASHER	平墊圈	M5	2.00	EA
6.00	NV 000199006J	RETAINER, SHIPPING	固定版	L55xW65xH126	1.00	EA
7.00	MS 0103517	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL16	2.00	EA
8.00	MW 0103510	FLAT WASHER	平墊圈	M5	2.00	EA
9.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	2.00	EA
10.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
11.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
12.00	NV 000299059A	PLATE, STORER	限制板	L106xW50xH20	1.00	EA
13.00	NV 000699081J	COVER, LIFT HOLE	堆高機孔蓋	L600xW227xH2.3	1.00	EA
14.00	NV 000799044J	RETAINER, SHIPPING(480APC)	工作台運輸固定座(左)	L120xW65xH83	1.00	EA
15.00	NV 000799043J	RETAINER, SHIPPING(480APC)	工作台運輸固定座(右)	L120xW65xH83	1.00	EA

Chapter 12

油壓單元

HUP

REV	DESCRIPTION	DATE	ECN
A	拆機方交	2007/07/15	79



MODEL: DT-480 / VMC-480

PART NAME

PNEUMATIC PARTS(APC)

油壓管線(APC)

PART NUMBER

NV 000013307J

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REV. A

SCALE 1:8

JACK P.I.T.L

DATE 2006/2/7

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000013307J
Description: HYDRAULIC PARTS, APC
油壓管路(APC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	NV 000013305J	APC HYDRAULIC POWER UNIT	APC 油壓箱	ASSM	1.00	EA
2.00	BL 00069650110	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管(外覆鋼絲)	R1-Φ3/8"Xw9/16"-18UNFx1.36M	2.00	EA
3.00	S3500300001	CONNECTOR	90度夾壁式接頭(AV0203H03H)	90°夾壁式3/8H*3/8H	2.00	EA
4.00	BL 00069650108	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-Φ3/8"Xw9/16"-18UNFx2.9M	2.00	EA
5.00	NV 00077030210	NIPPLE, STRAIGHT	直接頭	PT1/4"x9/16"-18UNF	2.00	EA

Chapter 13

工具袋

Tool kit(No Drawing)

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000005002J

Description: TOOL KIT USA TAPPER
工具袋(美國) TAPPER30

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00080640102	CLEANER, SPINDLE TAPER	主軸錐孔清潔器	NO.30	1.00	EA
2.00	NV 00070070302	TUBE, PU COIL WICH ADAPTER	風壓用伸縮管附接頭	[CHI-YING]0850-6M	1.00	EA
3.00	NV 01070350102	AIR NOZZLE	空氣噴槍	30PSI MAX, OSHA REQUIREMENT,MM	1.00	EA
4.00	NV 00000470101	HEX. WRENCH	六角扳手	3mm	1.00	EA
5.00	NV 00000470102	HEX. WRENCH	六角扳手	4mm	1.00	EA
6.00	NV 00000470103	HEX. WRENCH	六角扳手	5mm	1.00	EA
7.00	NV 00000470104	HEX. WRENCH	六角扳手	6mm	1.00	EA
8.00	NV 00000470105	HEX. WRENCH	六角扳手	8mm	1.00	EA
9.00	NV 00000470106	HEX. WRENCH	六角扳手	10mm	1.00	EA
10.00	NV 00000470107	HEX. WRENCH	六角扳手	12mm	1.00	EA
11.00	NV 00000470108	HEX. WRENCH	六角扳手	14mm	1.00	EA
12.00	NV 00000470109	HEX. WRENCH	六角扳手	16mm	1.00	EA
13.00	NV 00000470201	OPEN WRENCH	開口扳手(兩端)	8x10	1.00	EA
14.00	NV 00000470401	SCREW DRIVER	塑膠柄起子	- 0.2x4"	1.00	EA
15.00	NV 00000470501	SCREW DRIVER	塑膠柄起子	+ 6"x8mm	1.00	EA
16.00	NV 00000470601	LIFE WRENCH	活動扳手	10"	1.00	EA
17.00	NV 00000470801	TOOL BAG	工具袋	TOOL	1.00	EA
18.00	NV 00000470902	GREASE GUN	黃油槍	[PRESSOL] 12732 1/8PT 500cc	1.00	EA
19.00	NV 00077031402	PRESTO ADAPTER, STRAIGHT MALE	外牙直快速接頭(公)	PT1/4"(PM20)	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000005001J

Description: TOOL KIT TAPPER 30
工具袋 TAPPER 30

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00080640102	CLEANER, SPINDLE TAPER	主軸錐孔清潔器	NO.30	1.00	EA
2.00	NV 00070070302	TUBE, PU COIL WICH ADAPTER	風壓用伸縮管附接頭	[CHI-YING]0850-6M	1.00	EA
3.00	NV 01070350101	AIR FLOW GUN	空氣噴槍	KS 100mm	1.00	EA
4.00	NV 00000470101	HEX. WRENCH	六角扳手	3mm	1.00	EA
5.00	NV 00000470102	HEX. WRENCH	六角扳手	4mm	1.00	EA
6.00	NV 00000470103	HEX. WRENCH	六角扳手	5mm	1.00	EA
7.00	NV 00000470104	HEX. WRENCH	六角扳手	6mm	1.00	EA
8.00	NV 00000470105	HEX. WRENCH	六角扳手	8mm	1.00	EA
9.00	NV 00000470106	HEX. WRENCH	六角扳手	10mm	1.00	EA
10.00	NV 00000470107	HEX. WRENCH	六角扳手	12mm	1.00	EA
11.00	NV 00000470108	HEX. WRENCH	六角扳手	14mm	1.00	EA
12.00	NV 00000470109	HEX. WRENCH	六角扳手	16mm	1.00	EA
13.00	NV 00000470201	OPEN WRENCH	開口扳手(兩端)	8x10	1.00	EA
14.00	NV 00000470401	SCREW DRIVER	塑膠柄起子	- 0.2x4"	1.00	EA
15.00	NV 00000470501	SCREW DRIVER	塑膠柄起子	+ 6"x8mm	1.00	EA
16.00	NV 00000470601	LIFE WRENCH	活動扳手	10"	1.00	EA
17.00	NV 00000470801	TOOL BAG	工具袋	TOOL	1.00	EA
18.00	NV 00000470902	GREASE GUN	黃油槍	[PRESSOL] 12732 1/8PT 500cc	1.00	EA
19.00	NV 00077031402	PRESTO ADAPTER, STRAIGHT MALE	外牙直快速接頭(公)	PT1/4"(PM20)	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000005003J
Description: TOOL KIT(CE)
工具袋(CE)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00080640102	CLEANER, SPINDLE TAPER	主軸錐孔清潔器	NO.30	1.00	EA
4.00	NV 00000470101	HEX. WRENCH	六角扳手	3mm	1.00	EA
5.00	NV 00000470102	HEX. WRENCH	六角扳手	4mm	1.00	EA
6.00	NV 00000470103	HEX. WRENCH	六角扳手	5mm	1.00	EA
7.00	NV 00000470104	HEX. WRENCH	六角扳手	6mm	1.00	EA
8.00	NV 00000470105	HEX. WRENCH	六角扳手	8mm	1.00	EA
9.00	NV 00000470106	HEX. WRENCH	六角扳手	10mm	1.00	EA
10.00	NV 00000470107	HEX. WRENCH	六角扳手	12mm	1.00	EA
11.00	NV 00000470108	HEX. WRENCH	六角扳手	14mm	1.00	EA
12.00	NV 00000470109	HEX. WRENCH	六角扳手	16mm	1.00	EA
13.00	NV 00000470201	OPEN WRENCH	開口扳手(兩端)	8x10	1.00	EA
14.00	NV 00000470401	SCREW DRIVER	塑膠柄起子	- 0.2x4"	1.00	EA
15.00	NV 00000470501	SCREW DRIVER	塑膠柄起子	+ 6"x8mm	1.00	EA
16.00	NV 00000470601	LIFE WRENCH	活動扳手	10"	1.00	EA
17.00	NV 00000470801	TOOL BAG	工具袋	TOOL	1.00	EA
18.00	NV 00000470902	GREASE GUN	黃油槍	[PRESSOL] 12732 1/8PT 500cc	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000005002A

Description: TOOL KIT(USA)
工具袋(美國)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00080640101	CLEANER, SPINDLE TAPER	主軸錐孔清潔器	NO.40	1.00	EA
2.00	NV 00070070302	TUBE, PU COIL WICH ADAPTER	風壓用伸縮管附接頭	[CHI-YING]0850-6M	1.00	EA
3.00	NV 01070350102	AIR NOZZLE	空氣噴槍	30PSI MAX, OSHA REQUIREMENT,MM	1.00	EA
4.00	NV 00000470101	HEX. WRENCH	六角扳手	3mm	1.00	EA
5.00	NV 00000470102	HEX. WRENCH	六角扳手	4mm	1.00	EA
6.00	NV 00000470103	HEX. WRENCH	六角扳手	5mm	1.00	EA
7.00	NV 00000470104	HEX. WRENCH	六角扳手	6mm	1.00	EA
8.00	NV 00000470105	HEX. WRENCH	六角扳手	8mm	1.00	EA
9.00	NV 00000470106	HEX. WRENCH	六角扳手	10mm	1.00	EA
10.00	NV 00000470107	HEX. WRENCH	六角扳手	12mm	1.00	EA
11.00	NV 00000470108	HEX. WRENCH	六角扳手	14mm	1.00	EA
12.00	NV 00000470109	HEX. WRENCH	六角扳手	16mm	1.00	EA
13.00	NV 00000470201	OPEN WRENCH	開口扳手(兩端)	8x10	1.00	EA
14.00	NV 00000470401	SCREW DRIVER	塑膠柄起子	- 0.2x4"	1.00	EA
15.00	NV 00000470501	SCREW DRIVER	塑膠柄起子	+ 6"x8mm	1.00	EA
16.00	NV 00000470601	LIFE WRENCH	活動扳手	10"	1.00	EA
17.00	NV 00000470801	TOOL BAG	工具袋	TOOL	1.00	EA
18.00	NV 00000470902	GREASE GUN	黃油槍	[PRESSOL] 12732 1/8PT 500cc	1.00	EA
19.00	NV 00077031402	PRESTO ADAPTER, STRAIGHT MALE	外牙直快速接頭(公)	PT1/4"(PM20)	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000005001A

Description: TOOL KIT
工具袋

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00080640101	CLEANER, SPINDLE TAPER	主軸錐孔清潔器	NO.40	1.00	EA
2.00	NV 00070070302	TUBE, PU COIL WICH ADAPTER	風壓用伸縮管附接頭	[CHI-YING]0850-6M	1.00	EA
3.00	NV 01070350101	AIR FLOW GUN	空氣噴槍	KS 100mm	1.00	EA
4.00	NV 00000470101	HEX. WRENCH	六角扳手	3mm	1.00	EA
5.00	NV 00000470102	HEX. WRENCH	六角扳手	4mm	1.00	EA
6.00	NV 00000470103	HEX. WRENCH	六角扳手	5mm	1.00	EA
7.00	NV 00000470104	HEX. WRENCH	六角扳手	6mm	1.00	EA
8.00	NV 00000470105	HEX. WRENCH	六角扳手	8mm	1.00	EA
9.00	NV 00000470106	HEX. WRENCH	六角扳手	10mm	1.00	EA
10.00	NV 00000470107	HEX. WRENCH	六角扳手	12mm	1.00	EA
11.00	NV 00000470108	HEX. WRENCH	六角扳手	14mm	1.00	EA
12.00	NV 00000470109	HEX. WRENCH	六角扳手	16mm	1.00	EA
13.00	NV 00000470201	OPEN WRENCH	開口扳手(兩端)	8x10	1.00	EA
14.00	NV 00000470401	SCREW DRIVER	塑膠柄起子	- 0.2x4"	1.00	EA
15.00	NV 00000470501	SCREW DRIVER	塑膠柄起子	+ 6"x8mm	1.00	EA
16.00	NV 00000470601	LIFE WRENCH	活動扳手	10"	1.00	EA
17.00	NV 00000470801	TOOL BAG	工具袋	TOOL	1.00	EA
18.00	NV 00000470902	GREASE GUN	黃油槍	[PRESSOL] 12732 1/8PT 500cc	1.00	EA
19.00	NV 00077031402	PRESTO ADAPTER, STRAIGHT MALE	外牙直快速接頭(公)	PT1/4"(PM20)	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000005003A
Description: TOOL KIT(CE)
工具袋(CE)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00080640101	CLEANER, SPINDLE TAPER	主軸錐孔清潔器	NO.40	1.00	EA
4.00	NV 00000470101	HEX. WRENCH	六角扳手	3mm	1.00	EA
5.00	NV 00000470102	HEX. WRENCH	六角扳手	4mm	1.00	EA
6.00	NV 00000470103	HEX. WRENCH	六角扳手	5mm	1.00	EA
7.00	NV 00000470104	HEX. WRENCH	六角扳手	6mm	1.00	EA
8.00	NV 00000470105	HEX. WRENCH	六角扳手	8mm	1.00	EA
9.00	NV 00000470106	HEX. WRENCH	六角扳手	10mm	1.00	EA
10.00	NV 00000470107	HEX. WRENCH	六角扳手	12mm	1.00	EA
11.00	NV 00000470108	HEX. WRENCH	六角扳手	14mm	1.00	EA
12.00	NV 00000470109	HEX. WRENCH	六角扳手	16mm	1.00	EA
13.00	NV 00000470201	OPEN WRENCH	開口扳手(兩端)	8x10	1.00	EA
14.00	NV 00000470401	SCREW DRIVER	塑膠柄起子	- 0.2x4"	1.00	EA
15.00	NV 00000470501	SCREW DRIVER	塑膠柄起子	+ 6"x8mm	1.00	EA
16.00	NV 00000470601	LIFE WRENCH	活動扳手	10"	1.00	EA
17.00	NV 00000470801	TOOL BAG	工具袋	TOOL	1.00	EA
18.00	NV 00000470902	GREASE GUN	黃油槍	[PRESSOL] 12732 1/8PT 500cc	1.00	EA



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