



GX 1300/1600
XR 1300/1600
VERTICAL MACHINING CENTER

PARTS LIST
零件清冊

GX 000950130D

Issue : A2
Feb, 2008

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



GX 1300/1600 XR 1300/1600 PARTS LIST 零件清冊

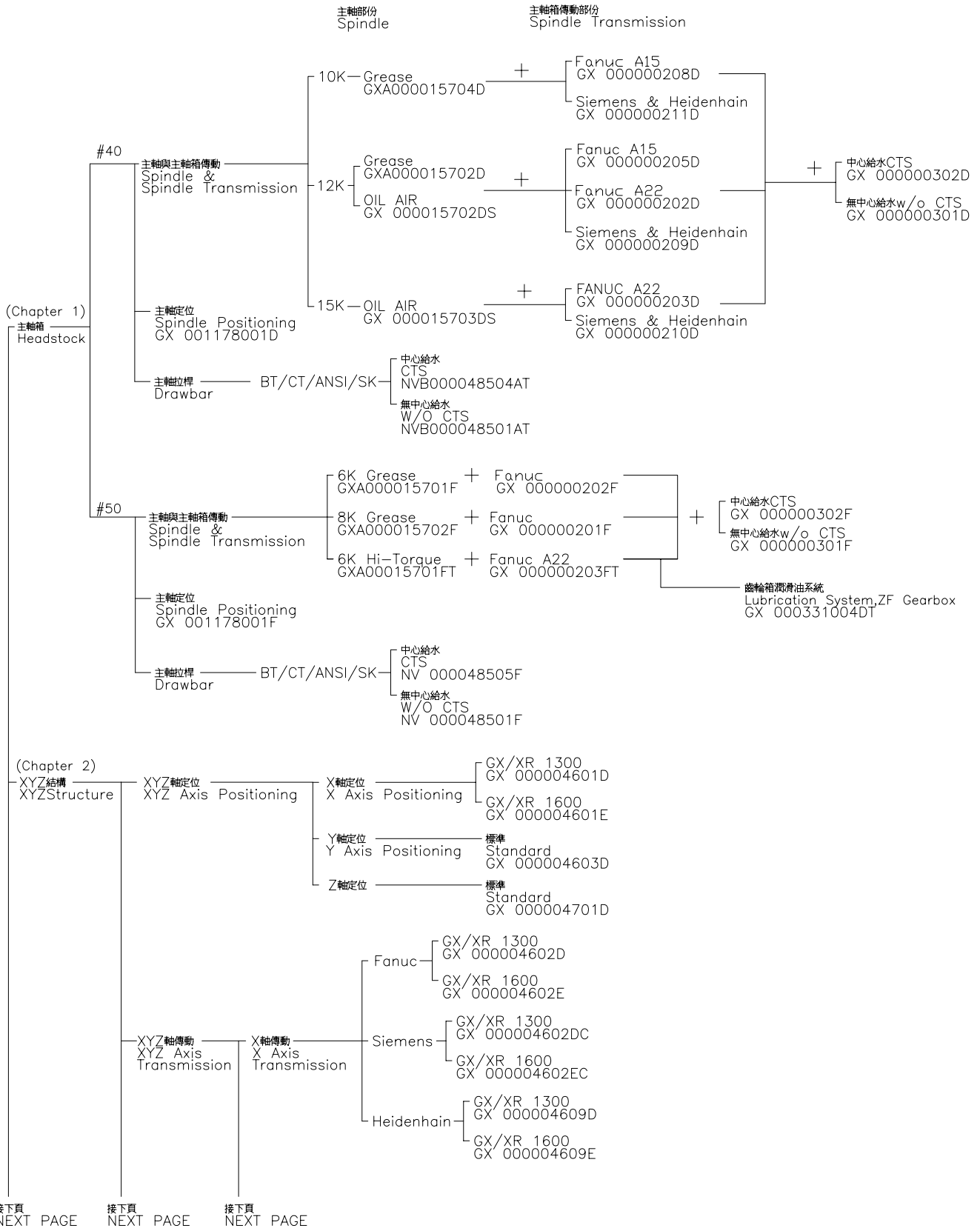
GX 000950130D, Isu-A2

GX 1300/1600 XR 1300/1600 Parts List

圖示說明 Illustrations

1 ———— $\left\{ \begin{array}{l} B \\ C \end{array} \right.$ 表示由B,C中僅選擇其一
Indicates choose one only

2 ———— $\left\{ \begin{array}{l} B \\ C \end{array} \right.$ 表示由B與C都要選
Indicates B+C



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- Y軸傳動
Y Axis Transmission
 - Fanuc — GX/XR 1300/1600 + GX/XR 1300/1600
GX 000004604D GX 000004605D
 - Siemens — GX/XR 1300/1600 + GX/XR 1300/1600
GX 000004604D GX 000004605DC
 - Heidenhain — GX/XR 1300/1600 + GX/XR 1300/1600
GX 000004604D GX 000004610D
- Z軸傳動
Z Axis Transmission
 - Fanuc — GX/XR 1300/1600
GX 000004702D
 - Siemens
Heidenhain — GX/XR 1300/1600
GX 000004702DC

- XYZ軸板金
XYZ Axis Sheet Metal
 - X,Y軸伸縮護蓋
X,Y Axis Telescopic
 - GX/XR 1300
GX 000004606D
 - GX/XR 1600
GX 000004606E
 - X軸板金
X Axis Sheet Metal
 - GX/XR 1300
GX 000004607D
 - GX/XR 1600
GX 000004607E
 - Y軸板金
Y Axis Sheet Metal
 - GX/XR 1300/1600
GX 000004608D
 - Z軸板金
Z Axis Sheet Metal
 - GX/XR 1300/1600
GX 000004704D

XYZ潤滑系統
Lubrication System
GX 000004715D

- XYZ光學尺
Linear Scale
 - Fanuc
 - GX/XR 1300
GX 000022401D
 - GX/XR 1600
GX 000022401E
 - Siemens &
Heidenhain
 - GX/XR 1300
GX 000022401DS
 - GX/XR 1600
GX 000022401ES

(Chapter 3)
切削水管路
Piping Parts

- STD — 一般切削水管路(40psi)
Standard Piping Parts
GX 000331041D
- CTS
 - CTS(GX) — 中心給水切削水管路(280psi)
CTS Piping Parts
GX 000331040D
 - CTS(XR) — 中心給水切削水管路(XR無冷凍機用)(280psi)
CTS Piping Parts(XR chiller special)
GX 000331042D
 - 中心給水切削水管路(XR有冷凍機用)(280psi)
CTS Piping Parts(XR with chiller special)
GX 000331043D

Options

- 主軸油冷裝置
Coolant Spindle
 - 主軸油冷裝置
Coolant Spindle
GXA000331015D
- 沖屑切削水管路
Flushing Piping
 - 沖屑切削水管路
Flushing Piping
GX 000331039D
 - 依需求再加選右列選擇項
Options(Choose one only)
 - 加裝噴槍沖屑(手動)
Coolant Washdown (Manual)
GX 000331005D

A部分(單選)
Part A(Choose one only)

B部分(可複選)
Part B(Can choose more than one)

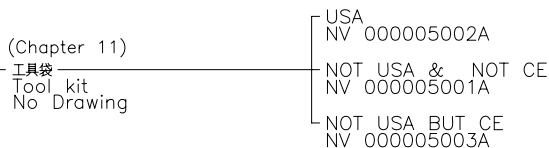
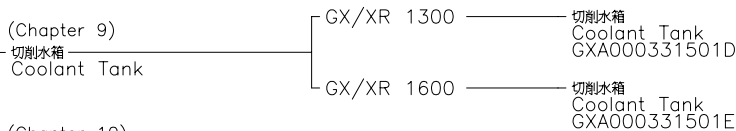
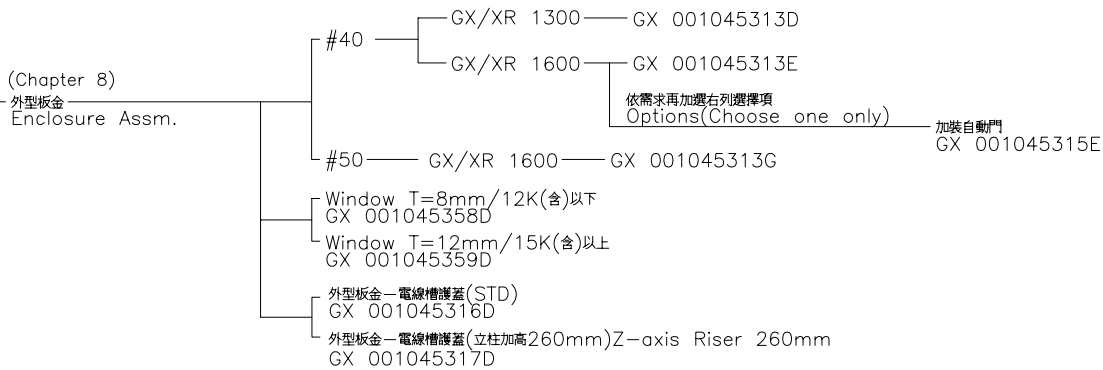
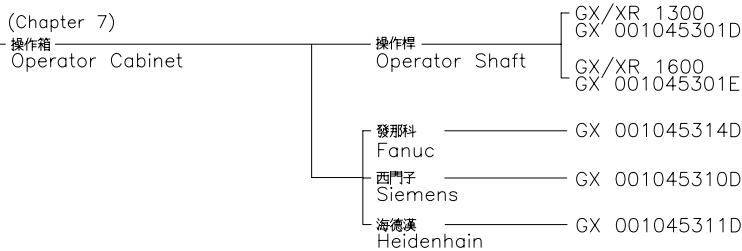
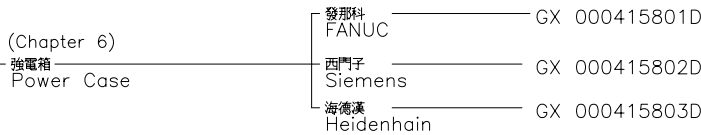
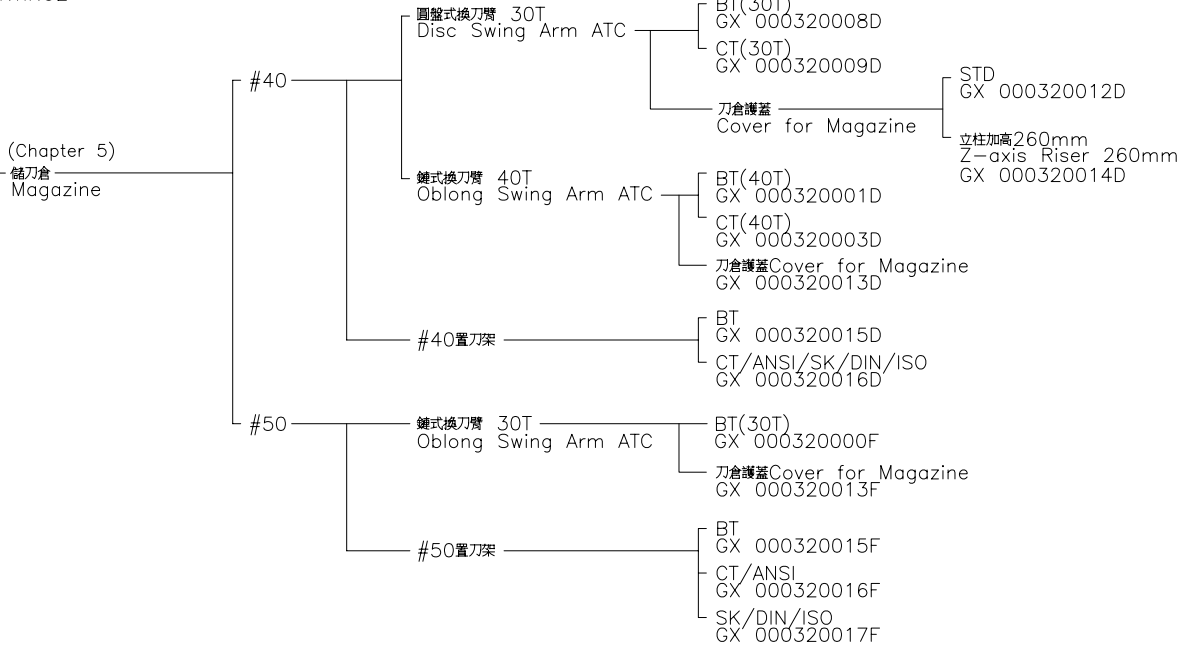
(Chapter 4)
氣壓零組件
Pneumatic Parts

由A,B組成
Composed of A and B

- 固定件—無中心給水
Common Parts (w/o CTS)
GX 000280430D
- 固定件—中心給水
Common Parts (CTS)
GX 000280432D
- 內外吹氣(單刀倉)
Pneumatic Parts Standard (Single Magazine)
GX 000280431D
- Air Purge
GX 000280444D
- 換刀臂式ATC
Swig Arm ATC
GX 000280437D
- 氣壓零組件(模貝吹屑)
Pneumatic Parts(Air Blow)
GX 000280434D

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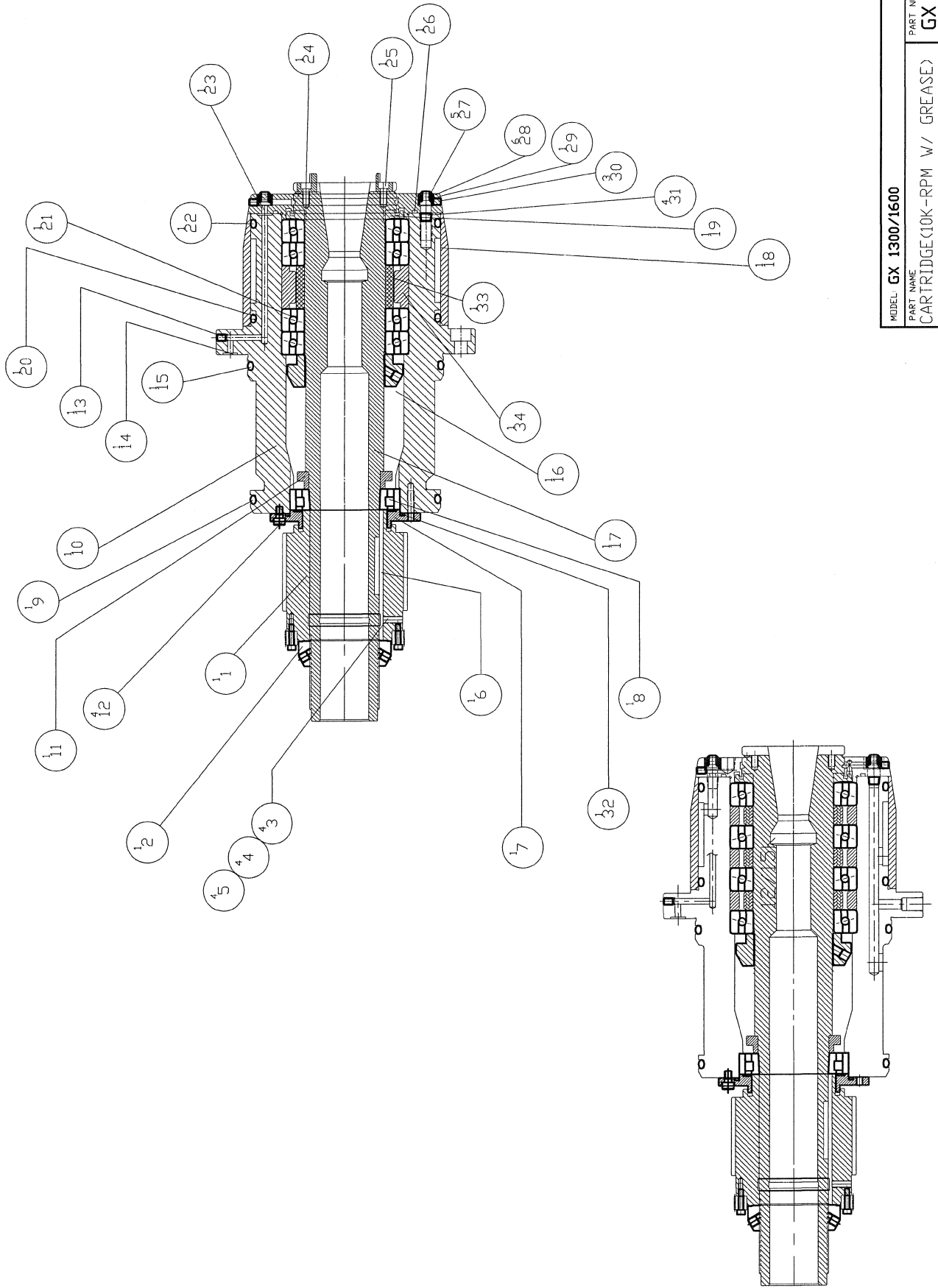


Chapter 1

主軸箱

Headstock

REV	DESCRIPTION	DATE	ECA
A	GX 1300 INVAJOUTISSA-VAJOUTISSA, 1000R2	2006/9/6	172



MODEL GX 1300/1600

PART NAME
CARTRIDGE(10K-RPM W/ GREASE)
主軸装置(10K-RPM W/ GREASE)

PART NUMBER
GX 000015704D

PAGE 1 OF 1

REV. A

SCALE 1:5

DATE 2007/1/1

REV. A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000015704D

Description: CARTRIDGE(10K rpm)

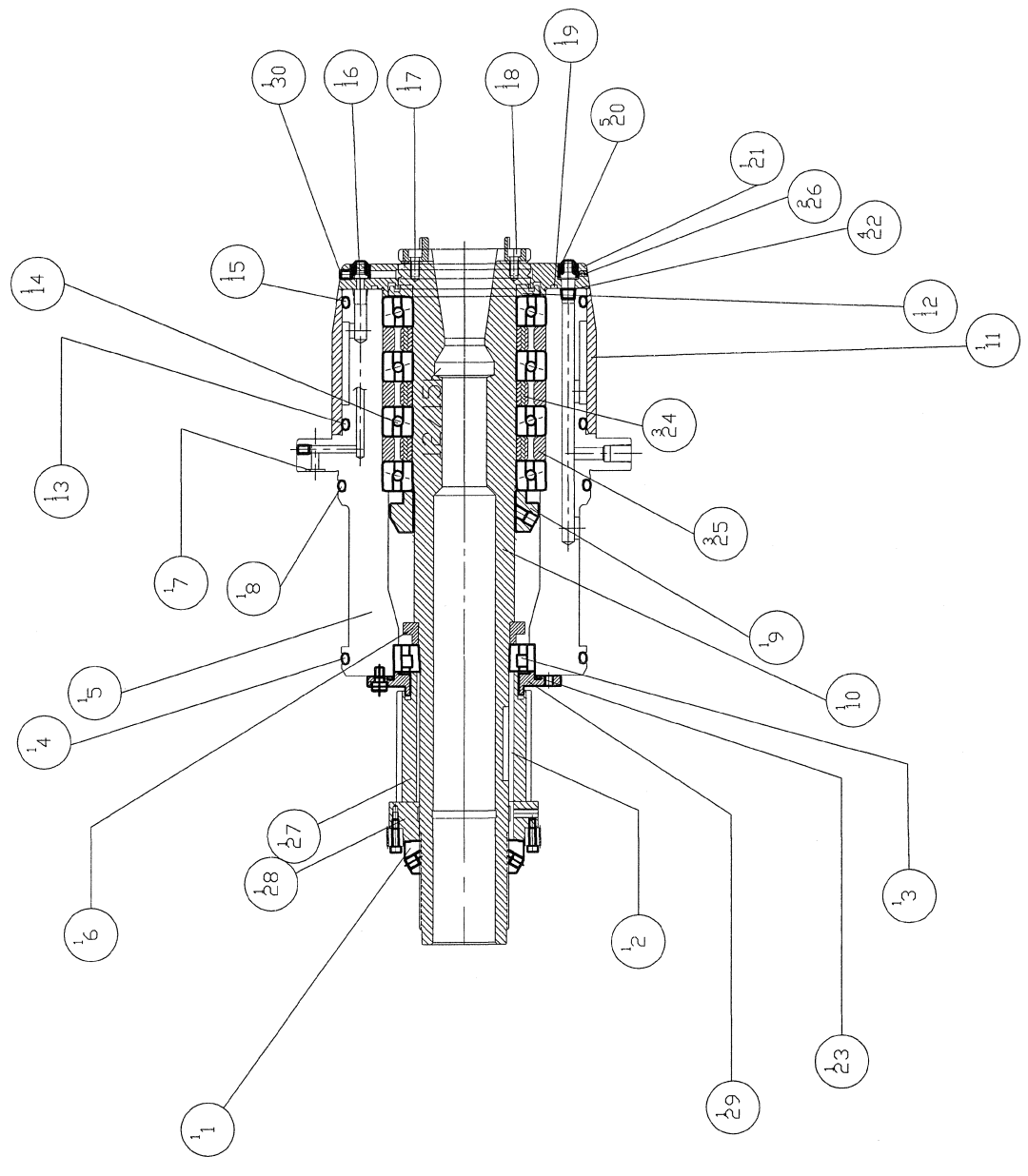
主軸套筒(10K rpm)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000317711D	PULLEY, SPINDLE(10K,FANUC A22	主軸齒帶輪(10K,FANUC A22/A15)	D108.1xd60xL114	1.00	EA
2.00	NV 000049204A	LOCKNUT	鎖緊螺帽	[SHIANG KAIJM60X2(GRINDING)	1.00	EA
3.00	MS 0553614	SOC SET, CUP POINT	杯型端固定螺絲	M6XP1.0XL8	4.00	EA
4.00	MS 0553616	SOC SET, CUP SCREW	杯型端固定螺絲	M6XP1.0XL12	4.00	EA
5.00	MS 0553617	SOC SET, CUP SCREW	杯型端固定螺絲	M6XP1.0XL16	4.00	EA
6.00	NV 00061150101	SUNK KEY	(雙圓頭鍵)平行鍵	L50XW8XH7(JIS-)	1.00	EA
7.00	GX 001011508D	COVER	軸蓋	D30xd73xL16	1.00	EA
8.00	NV 00002660227	BEARING, 10K SPINDLE	主軸滾筒軸承(10K)	[NSK] N1012RST42KRCC1P4	1.00	EA
9.00	NV 00094310202	O-RING	O型油環	[JIS] G155	1.00	EA
10.00	NVA000405210A	HOUSING, SPINDLE	軸承套	D225Xd88XL261	1.00	EA
11.00	NV 000179901A	SPACER, SPINDLE	後間隔圈	D82Xd61.5xL14.8	1.00	EA
12.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
13.00	MS 0553614	SOC SET, CUP POINT	杯型端固定螺絲	M6XP1.0XL8	1.00	EA
14.00	NV 00094310102	O-RING	O型油環	[JIS] P10	1.00	EA
15.00	NV 00094310203	O-RING	O型油環	[JIS] G160	1.00	EA
16.00	NV 000049216A	LOCKNUT	鎖緊螺帽	[SHIANG KAIJM70X2	1.00	EA
17.00	NVA000028306A	SPINDLE	主軸	D88.87Xd30XL469	1.00	EA
18.00	NVA000048115A	BUSHING	襯套	D178Xd165XL95	1.00	EA
19.00	NV 000179986A	SPACER, SPINDLE	間隔圈	D102Xd70XL8	1.00	EA
20.00	NV 00094310202	O-RING	O型油環	[JIS] G155	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00002660118	FRONT BEARING, 12K GREASE SPI	主軸斜角滾珠軸承(12K GREASE)	[NSK] 70BNR10HT85DBBCA10P4	1.00	ST
22.00	NV 00094310202	O-RING	O型油環	[JIS] G155	1.00	EA
23.00	NV 00094310102	O-RING	O型油環	[JIS] P10	1.00	EA
24.00	NV 000753309A	KEY, SPINDLE	鍵	L20.6XW16XH15.86	1.00	EA
25.00	NV 000753310A	KEY, SPINDLE	鍵	L17.5XW16XH15.86	1.00	EA
26.00	NV 00094310201	O-RING	O型油環	[JIS] G120	1.00	EA
27.00	NV 00070110101	NOZZLE, COOLANT	冷卻水噴嘴	NOZ. 14	5.00	EA
28.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	6.00	EA
29.00	NVB001011552A	COVER	前蓋	D169.4xd89.1xL22.2	1.00	EA
30.00	MS 0553614	SOC SET, CUP POINT	杯型端固定螺絲	M6XP1.0XL8	3.00	EA
31.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	4.00	EA
32.00	NV 00094310205	O-RING	O型油環	[JIS] G95	1.00	EA
33.00	NVA000179988A	INTERNAL SPACER, SPINDLE	內間隔圈	D840xd70xL38	1.00	EA
34.00	NVA000179987A	EXTERNAL SPACER, SPINDLE	外間隔圈	D110xd85xL38	1.00	EA

REV	DESCRIPTION	DATE	CHK
A	発行済	2006/12/12	207



MODEL	GX 1300#40/GX 1600#40	SCALE	1:5
PART NAME	CARTRIDGE(12K-RPM W/GREASE) 主軸套(12K-RPM W/GREASE)	REV	A
PART NUMBER	GX 000015702D	PAGE	1 OF 1
DATE	2006/12/12	REV	A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000015702D

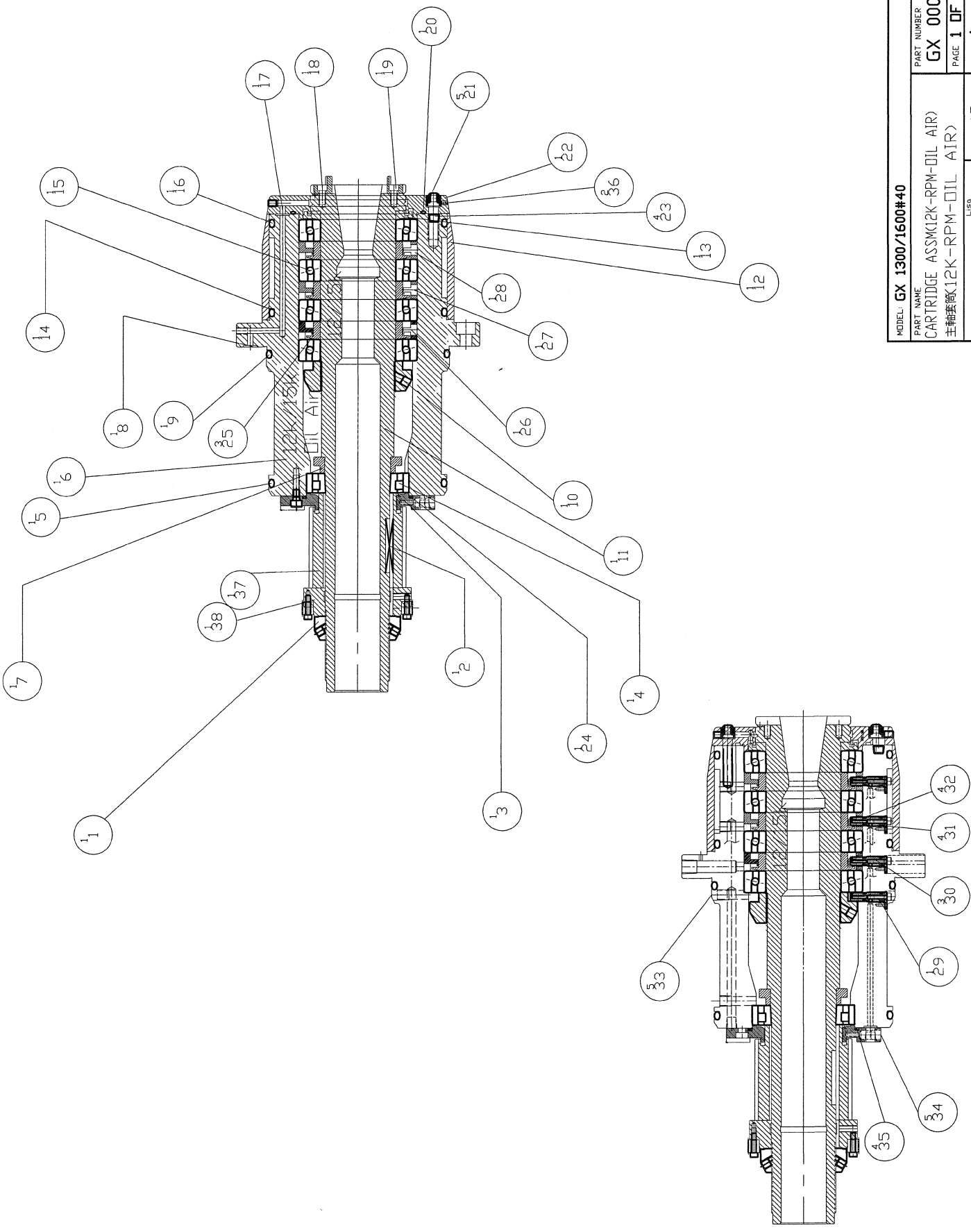
Description: CARTRIDGE(12K-RPM W/GREASE)
主軸套筒(12K-RPM W/GREASE)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000049204A	LOCKNUT	鎖緊螺帽	[SHIANG KAJJM60X2(GRINDING)	1.00	EA
2.00	NV 00061150101	SUNK KEY	(雙圓頭鍵)平行鍵	L50XW8XH7(JIS-)	1.00	EA
3.00	NV 00002660224	REAR BEARING, 12K GREASE SPIND	主軸滾筒軸承(12K/Grease)	[NSK] N1012RXTPKRCC0P4Y (Rigin	1.00	EA
4.00	NV 00094310202	O-RING	O型油環	[JIS] G155	1.00	EA
5.00	NVA000405209A	HOUSING, SPINDLE	軸承套	D225xd88xL261	1.00	EA
6.00	NV 000179901A	SPACER, SPINDLE	後間隔圈	D82Xd61.5xL14.8	1.00	EA
7.00	NV 00094310102	O-RING	O型油環	[JIS] P10	1.00	EA
8.00	NV 00094310203	O-RING	O型油環	[JIS] G160	1.00	EA
9.00	NV 000049216A	LOCKNUT	鎖緊螺帽	[SHIANG KAJJM70X2	1.00	EA
10.00	NVA000028301A	SPINDLE	主軸	D88.87Xd30XL469	1.00	EA
11.00	NVA000048115A	BUSHING	襯套	D178Xd165XL95	1.00	EA
12.00	NV 000179986A	SPACER, SPINDLE	間隔圈	D102Xd70XL8	1.00	EA
13.00	NV 00094310202	O-RING	O型油環	[JIS] G155	1.00	EA
14.00	NV 00002660118	FRONT BEARING, 12K GREASE SPI	主軸斜角滾珠軸承(12K GREASE)	[NSK] 70BNR10HT85DBBCA10P4	1.00	ST
15.00	NV 00094310202	O-RING	O型油環	[JIS] G155	1.00	EA
16.00	NV 00094310102	O-RING	O型油環	[JIS] P10	1.00	EA
17.00	NV 000753309A	KEY, SPINDLE	鍵	L20.6XW16XH15.86	1.00	EA
18.00	NV 000753310A	KEY, SPINDLE	鍵	L17.5XW16XH15.86	1.00	EA
19.00	NV 00094310201	O-RING	O型油環	[JIS] G120	1.00	EA
20.00	NV 00070110101	NOZZLE, COOLANT	冷卻水噴嘴	NOZ. 14	5.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NVB001011552A	COVER	前蓋	D169.4xd89.1xL22.2	1.00	EA
22.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	4.00	EA
23.00	NV 00094310205	O-RING	O型油環	[JIS] G95	1.00	EA
24.00	NV 000179939A	INTERNAL SPACER, SPINDLE	內間隔圈	D86xd70xL17.2	3.00	EA
25.00	NV 000179938A	EXTERNAL SPACER, SPINDLE	外間隔圈	D110xd94xL17.2	3.00	EA
26.00	NV 000668423A	SET SCREW	固定螺絲	M4xP0.5xd1.5	2.00	EA
27.00	GX 000317702D	PULLEY, SPINDLE(12K/15K,FANUC)	主軸齒帶輪(12K/15K,FANUC α 22/α 15)	D91.7xd60xL88(36T)	1.00	ST
28.00	GX 000317703D	SEAT, SPINDLE ENCODER GEAR	檢測齒輪座(12K/15K)	LD100xd60xL26	1.00	ST
29.00	GX 001011508D	COVER	軸蓋	D30xd73xL16	1.00	ST
30.00	MS 0553614	SOC SET, CUP POINT	杯型端固定螺絲	M6XP1.0XL8	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	架升修費	2007/1/25	207



MODEL: GX 1300/1600#40	PART NUMBER: GX 000015702DS
CARTIDGE ASSM(12K-RPM-OIL AIR)	PAGE 1 OF 1
主軸套廠(12K-RPM-OIL AIR)	REV A
DATE: 2005/10/15	SCALE: 1:5

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000015702DS

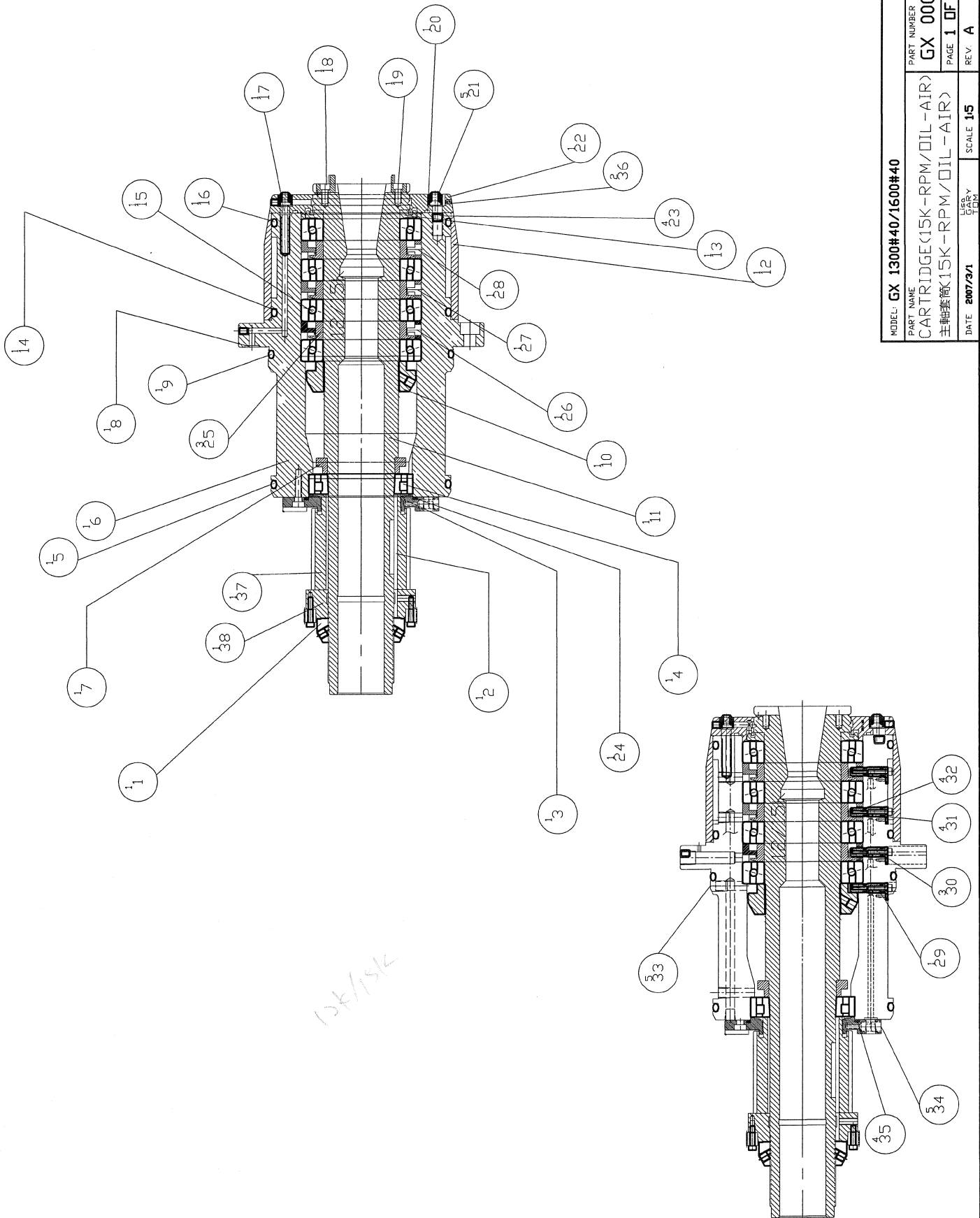
 Description: CARTRIDGE ASSM,12K-RPM-OIL AIR
 主軸套筒(12K-RPM-OIL AIR)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000049204A	LOCKNUT	鎖緊螺帽	[SHIANG KAIJM60X2(GRINDING)	1.00	EA
2.00	NV 00061150101	SUNK KEY	(雙圓頭鍵)平行鍵	L50XW8XH7(JIS-)	1.00	EA
3.00	NV 001011553A	COVER	軸蓋	D143xd73xL16	1.00	EA
4.00	NV 00002660203	BEARING, SPINDLE(12K-RPM)	主軸滾筒軸承(12K-RPM)	[SKF] N1012 KTNHA/HC5SPVR592	1.00	EA
5.00	NV 00094310202	O-RING	O型油環	[JIS] G155	1.00	EA
6.00	NVA000405202A	HOUSING, SPINDLE	軸承套	D225xd88xL261	1.00	EA
7.00	NV 000179901A	SPACER, SPINDLE	後間隔圈	D82Xd61.5xL14.8	1.00	EA
8.00	NV 00094310102	O-RING	O型油環	[JIS] P10	1.00	EA
9.00	NV 00094310203	O-RING	O型油環	[JIS] G160	1.00	EA
10.00	NV 000049216A	LOCKNUT	鎖緊螺帽	[SHIANG KAIJM70X2	1.00	EA
11.00	NVA000028301A	SPINDLE	主軸	D88.87Xd30XL469	1.00	EA
12.00	NVA000048115A	BUSHING	襯套	D178Xd165XL95	1.00	EA
13.00	NV 000179986A	SPACER, SPINDLE	間隔圈	D102Xd70XL8	1.00	EA
14.00	NV 00094310202	O-RING	O型油環	[JIS] G155	1.00	EA
15.00	NV 00002660112	BEARING, SPINDLE	主軸斜角滾珠軸承	[SKF] 7014 ACETNH/HCBQBCA VQ126	1.00	ST
16.00	NV 00094310202	O-RING	O型油環	[JIS] G155	1.00	EA
17.00	NV 00094310102	O-RING	O型油環	[JIS] P10	1.00	EA
18.00	NV 000753309A	KEY, SPINDLE	鍵	L20.6XW16XH15.86	1.00	EA
19.00	NV 000753310A	KEY, SPINDLE	鍵	L17.5XW16XH15.86	1.00	EA
20.00	NV 00094310201	O-RING	O型油環	[JIS] G120	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00070110101	NOZZLE, COOLANT	冷卻水噴嘴	NOZ. 14	5.00	EA
22.00	NVB001011552A	COVER	前蓋	D169.4xd89.1xL22.2	1.00	EA
23.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	4.00	EA
24.00	NV 00094310205	O-RING	O型油環	[JIS] G95	1.00	EA
25.00	NV 000179924A	INTERNAL SPACER, SPINDLE	內間隔圈	D95.97xd70xL17	3.00	EA
26.00	NV 000179921A	EXTERNAL SPACER, SPINDLE	外間隔圈	D110xd84.03xL17	1.00	EA
27.00	NV 000179922A	EXTERNAL SPACER, SPINDLE	外間隔圈	D110xd84.03xL17	1.00	EA
28.00	NV 000179923A	EXTERNAL SPACER, SPINDLE	外間隔圈	D110xd84.03xL17	1.00	EA
29.00	NVA001023402A	INJECTOR, SPINDLE	噴油嘴	D15xd8xL32.9	1.00	EA
30.00	NVA001023403A	INJECTOR, SPINDLE	噴油嘴	D15.5xd8xL32.9	3.00	EA
31.00	NV 00094310207	O-RING	O型油環	[NOK] S7	4.00	EA
32.00	NV 00094310206	O-RING	O型油環	[NOK] S6	4.00	EA
33.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	5.00	EA
34.00	NV 00077031801	ELBOW, BRASS 90DEG MALE&FEMALE	90度內外雙螺紋肘管	PT1/8"xM10	5.00	EA
35.00	NV 00094310118	O-RING	O型油環	[JIS] P9	4.00	EA
36.00	NV 000668423A	SET SCREW	固定螺絲	M4xP0.5xd1.5	2.00	EA
37.00	GX 000317702D	PULLEY, SPINDLE(12K/15K,FANUC)	主軸齒帶輪(12K/15K,FANUC α 22/α 15)	D91.7xd60xL88(36T)	1.00	ST
38.00	GX 000317703D	SEAT, SPINDLE ENCODER GEAR	檢測齒輪座(12K/15K)	LD100xd60xL26	1.00	ST

REV	DESCRIPTION	DATE	ECH
A	原形/原圖	2007/3/1	



MODEL: GX 1300#40/1600#40

PART NAME: CARTRIDGE(15K-RPM/OIL-AIR)
主軸套筒(15K-RPM/OIL-AIR)

PART NUMBER: GX 000015703DS

PAGE 1 OF 1

REV A

DATE: 2007/3/1

SCALE: 1:5

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000015703DS

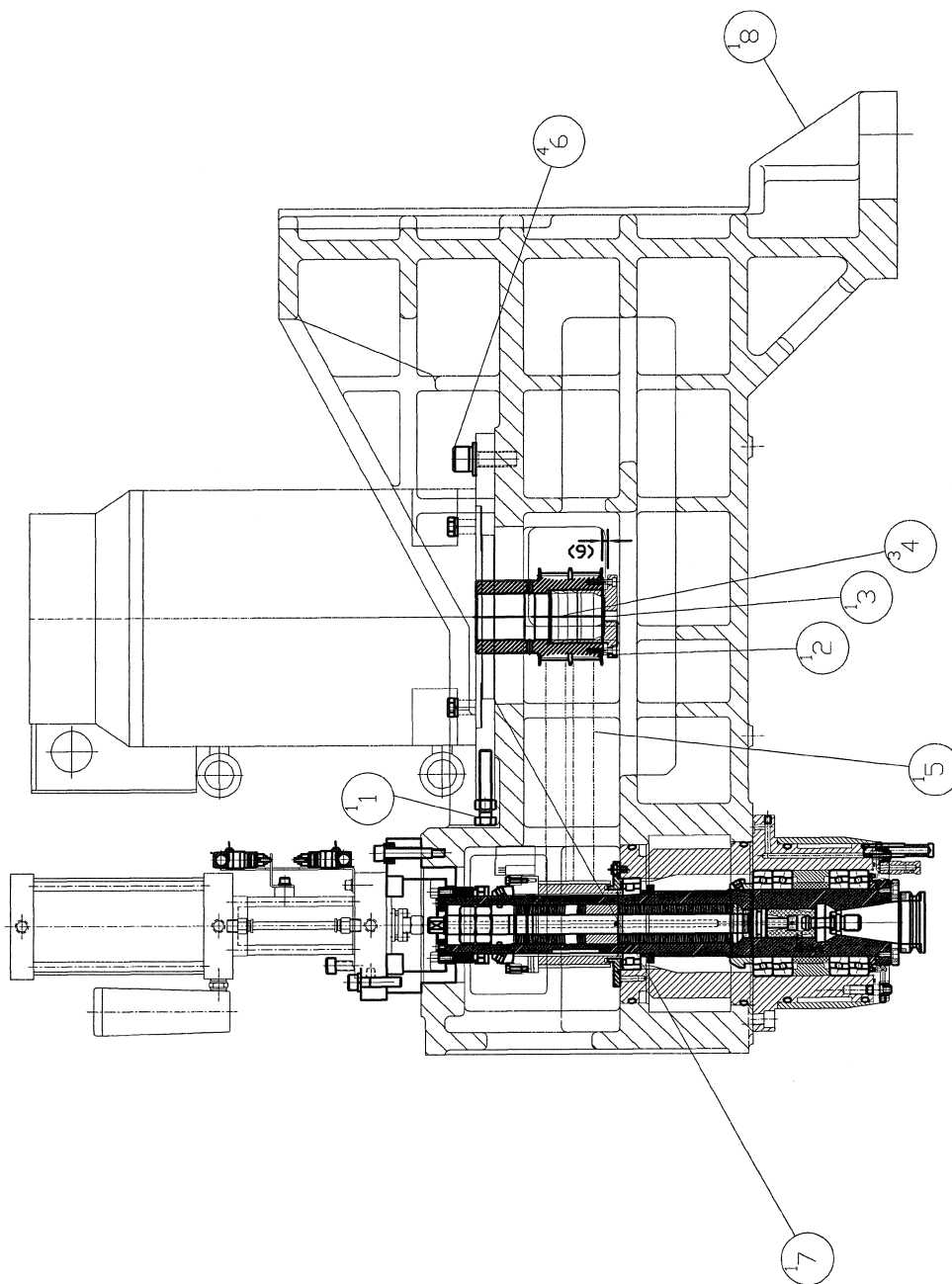
 Description: CARTRIDGE(15K-RPM/OIL-AIR)
 主軸套筒(15K-RPM/OIL-AIR)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 000049204A	LOCKNUT	鎖緊螺帽	[SHIANG KAIJM60X2(GRINDING)	1.00	EA
2.00	NV 00061150101	SUNK KEY	(雙圓頭鍵)平行鍵	L50XW8XH7(JIS-)	1.00	EA
3.00	NV 001011553A	COVER	軸蓋	D143xd73xL16	1.00	EA
4.00	NV 00002660203	BEARING, SPINDLE(12K-RPM)	主軸滾筒軸承(12K-RPM)	[SKF] N1012 KTNHA/HC5SPVR592	1.00	EA
5.00	NV 00094310202	O-RING	O型油環	[JIS] G155	1.00	EA
6.00	NVA000405202A	HOUSING, SPINDLE	軸承套	D225xd88xL261	1.00	EA
7.00	NV 000179901A	SPACER, SPINDLE	後間隔圈	D82Xd61.5xL14.8	1.00	EA
8.00	NV 00094310102	O-RING	O型油環	[JIS] P10	1.00	EA
9.00	NV 00094310203	O-RING	O型油環	[JIS] G160	1.00	EA
10.00	NV 000049216A	LOCKNUT	鎖緊螺帽	[SHIANG KAIJM70X2	1.00	EA
11.00	NVA000028301A	SPINDLE	主軸	D88.87Xd30XL469	1.00	EA
12.00	NVA000048115A	BUSHING	襯套	D178Xd165XL95	1.00	EA
13.00	NV 000179986A	SPACER, SPINDLE	間隔圈	D102Xd70XL8	1.00	EA
14.00	NV 00094310202	O-RING	O型油環	[JIS] G155	1.00	EA
15.00	NV 00002660112	BEARING, SPINDLE	主軸斜角滾珠軸承	[SKF] 7014 ACETNH/HCBQBCA VQ126	1.00	ST
16.00	NV 00094310202	O-RING	O型油環	[JIS] G155	1.00	EA
17.00	NV 00094310102	O-RING	O型油環	[JIS] P10	1.00	EA
18.00	NV 000753309A	KEY, SPINDLE	鍵	L20.6XW16XH15.86	1.00	EA
19.00	NV 000753310A	KEY, SPINDLE	鍵	L17.5XW16XH15.86	1.00	EA
20.00	NV 00094310201	O-RING	O型油環	[JIS] G120	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00070110101	NOZZLE, COOLANT	冷卻水噴嘴	NOZ. 14	5.00	EA
22.00	NVB001011552A	COVER	前蓋	D169.4xd89.1xL22.2	1.00	EA
23.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	4.00	EA
24.00	NV 00094310205	O-RING	O型油環	[JIS] G95	1.00	EA
25.00	NV 000179924A	INTERNAL SPACER, SPINDLE	內間隔圈	D95.97xd70xL17	3.00	EA
26.00	NV 000179921A	EXTERNAL SPACER, SPINDLE	外間隔圈	D110xd84.03xL17	1.00	EA
27.00	NV 000179922A	EXTERNAL SPACER, SPINDLE	外間隔圈	D110xd84.03xL17	1.00	EA
28.00	NV 000179923A	EXTERNAL SPACER, SPINDLE	外間隔圈	D110xd84.03xL17	1.00	EA
29.00	NVA001023402A	INJECTOR, SPINDLE	噴油嘴	D15xd8xL32.9	1.00	EA
30.00	NVA001023403A	INJECTOR, SPINDLE	噴油嘴	D15.5xd8xL32.9	3.00	EA
31.00	NV 00094310207	O-RING	O型油環	[NOK] S7	4.00	EA
32.00	NV 00094310206	O-RING	O型油環	[NOK] S6	4.00	EA
33.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	5.00	EA
34.00	NV 00077031801	ELBOW, BRASS 90DEG MALE&FEMALE	90度內外雙螺紋肘管	PT1/8"xM10	5.00	EA
35.00	NV 00094310118	O-RING	O型油環	[JIS] P9	4.00	EA
36.00	NV 000668423A	SET SCREW	固定螺絲	M4xP0.5xd1.5	2.00	EA
37.00	GX 000317702D	PULLEY, SPINDLE(12K/15K,FANUC)	主軸齒帶輪(12K/15K,FANUC α 22/α 15)	D91.7xd60xL88(36T)	1.00	ST
38.00	GX 000317703D	SEAT, SPINDLE ENCODER GEAR	檢測齒輪座(12K/15K)	LD100xd60xL26	1.00	ST

REV	DESCRIPTION	DATE	ECN
A	原形検査	2006/8/10	185



MODEL: GX 1300#40/1600#40

PART NAME SPINDLE TRANSMISSIONFanuc A15/10K

PART NUMBER GX 000000208D

主軸伝動Fanuc A15/10K

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REV. A

DATE 2006/9/12

SCALE 1:1

DESIGNER

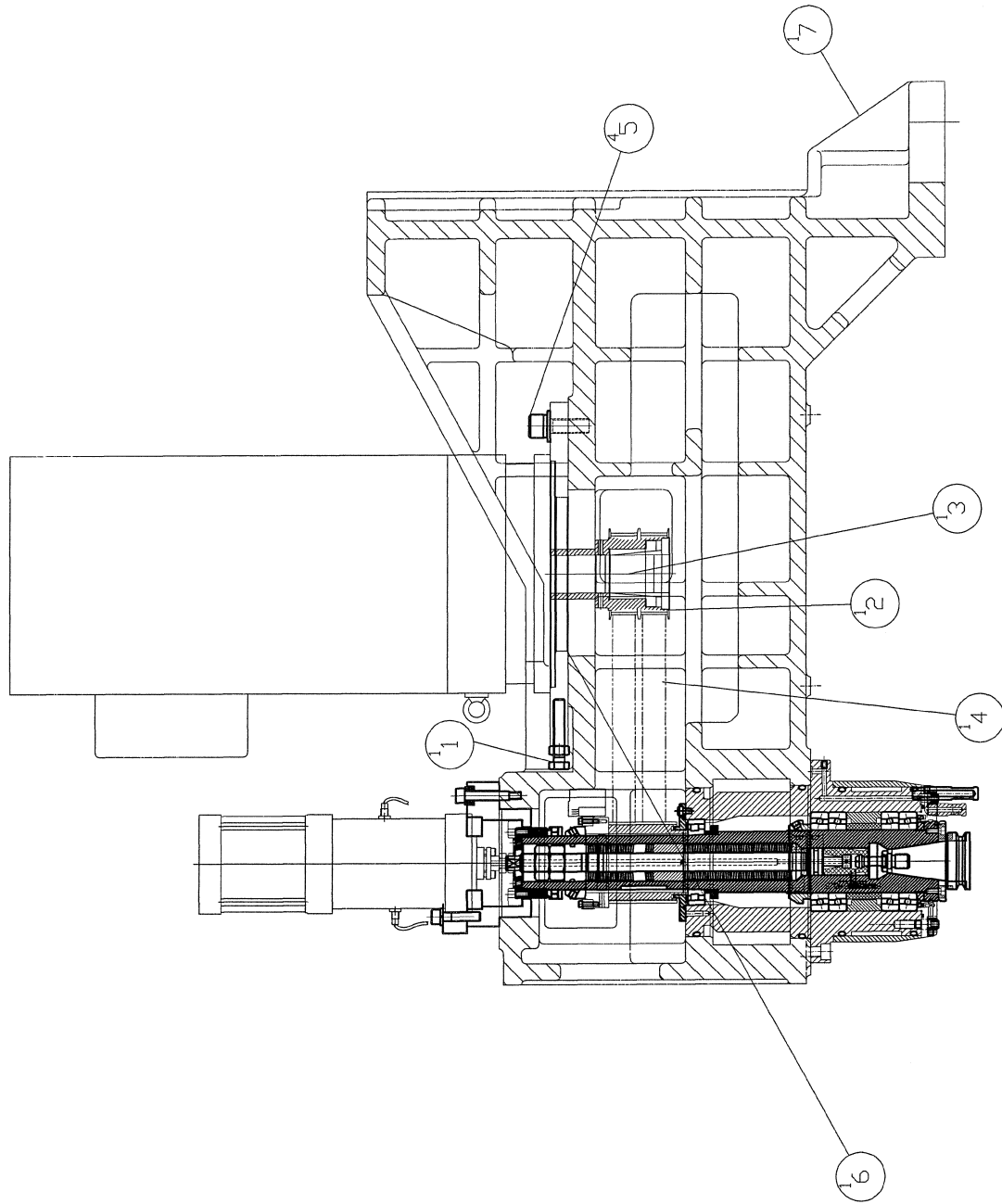
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000000208D

Description: SPINDLE TRANSMISSION(Fanuc A15
主軸傳動(Fanuc A15/10K)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0154228	HEX HD. FULL THD	六角頭螺絲	M12XP1.75XL70(FULL THD)	1.00	EA
2.00	GX 000317706D	PULLEY, MOTOR(8.2K/12K,FANUC)	馬達齒帶輪(8.2K/12K,FANUC α 15)	D101.8xd55xL132.5(45T)	1.00	EA
3.00	GX 000981301D	RETAINER, MOTOR PULLEY	馬達齒帶輪固定環	D85xd48.2xL29.5	1.00	EA
4.00	GX 00098132602	KEYLESS CONNECTION	錐形環鍵	SC-48(d48xD55xL10)	3.00	ST
5.00	GX 00033460104	TIMING BELT(α 15, α 22/10K)	齒形皮帶(α 15, α 22/10K)	[CONTIJ] 960-8M-50(25+25) <SUP>	1.00	EA
6.00	NV 000399055A	PLATE	墊塊(M16 washer)	D Φ 32xd Φ 16.5xt6(M16 washer)	4.00	EA
7.00	NV 001066104D	SPINDLE MOTOR PLATE	主軸馬達座(配FANUC α 12)	L393XW274XH20	1.00	EA
8.00	GX 000026400D	HEADSTOCK	主軸箱	L1004XW654XH653	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	設計修訂	2007/12/1	S10



MODEL: GX 1300#40/1600#40	
PART NAME	PART NUMBER
SPINDLE TRANSMISSION(HEI&SIE 12K)	GX 000000211D
主軸傳動機(HEI&SIE 10K)	PAGE 1 DF 1
DATE 2007/4/24	REV. A
SCALE 1:8	

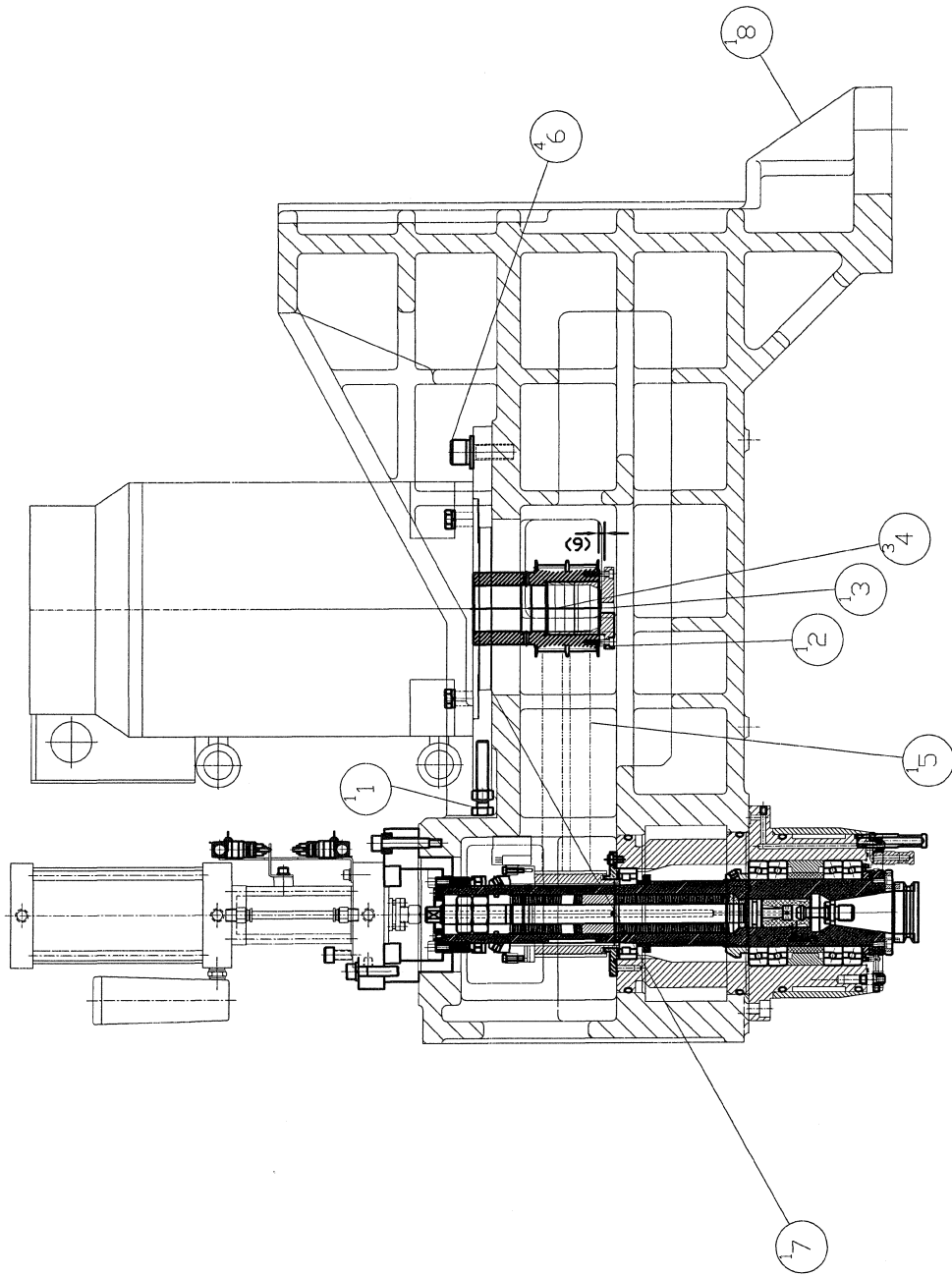
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 00000211D

Description: SPINDLE TRANSMISSION(10K)
主軸傳動(HEIDENHAIN&SIEMENS 10K)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0154228	HEX HD. FULL THD	六角頭螺絲	M12XP1.75XL70(FULL THD)	1.00	EA
2.00	GX 000317716D	PULLEY,MOTOR(10K/12K,HEI&SIE)	馬達齒帶輪(10K/12K,HEI&SIE)	D100xd42xL132.5(36T)	1.00	EA
3.00	GX 00098132604	KEYLESS CONNECTION	錐形環鍵	[仕勳]SB-42(不含隔環)	1.00	ST
4.00	GX 00033460104	TIMING BELT(α 15, α 22/10K)	齒形皮帶(α 15, α 22/10K)	[CONTI] 960-8M-50(25+25) <SUP>	1.00	ST
5.00	NV 000399055A	PLATE	墊塊(M16 washer)	D Φ 32xd Φ 16.5xt6(M16 washer)	4.00	EA
6.00	NV 001066136D	SPINDLE MOTOR PLATE(SIEMENSE)	主軸馬達座(配SIEMENS 1PH7131)	L393XW274XH20	1.00	EA
7.00	GX 000026400D	HEADSTOCK	主軸箱	L1004XW654XH653	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	源平検査	2006/08/01	185



MODEL: GX 1300#40/1600#40	PART NUMBER	REV. A
PART NAME	GX 000000205D	
SPINDLE TRANSMISSION(Fanuc A15/12K)	PAGE 1 OF 1	
主轴传动(Fanuc A15/12K)		
DATE 2006/9/12	SCALE 1:8	

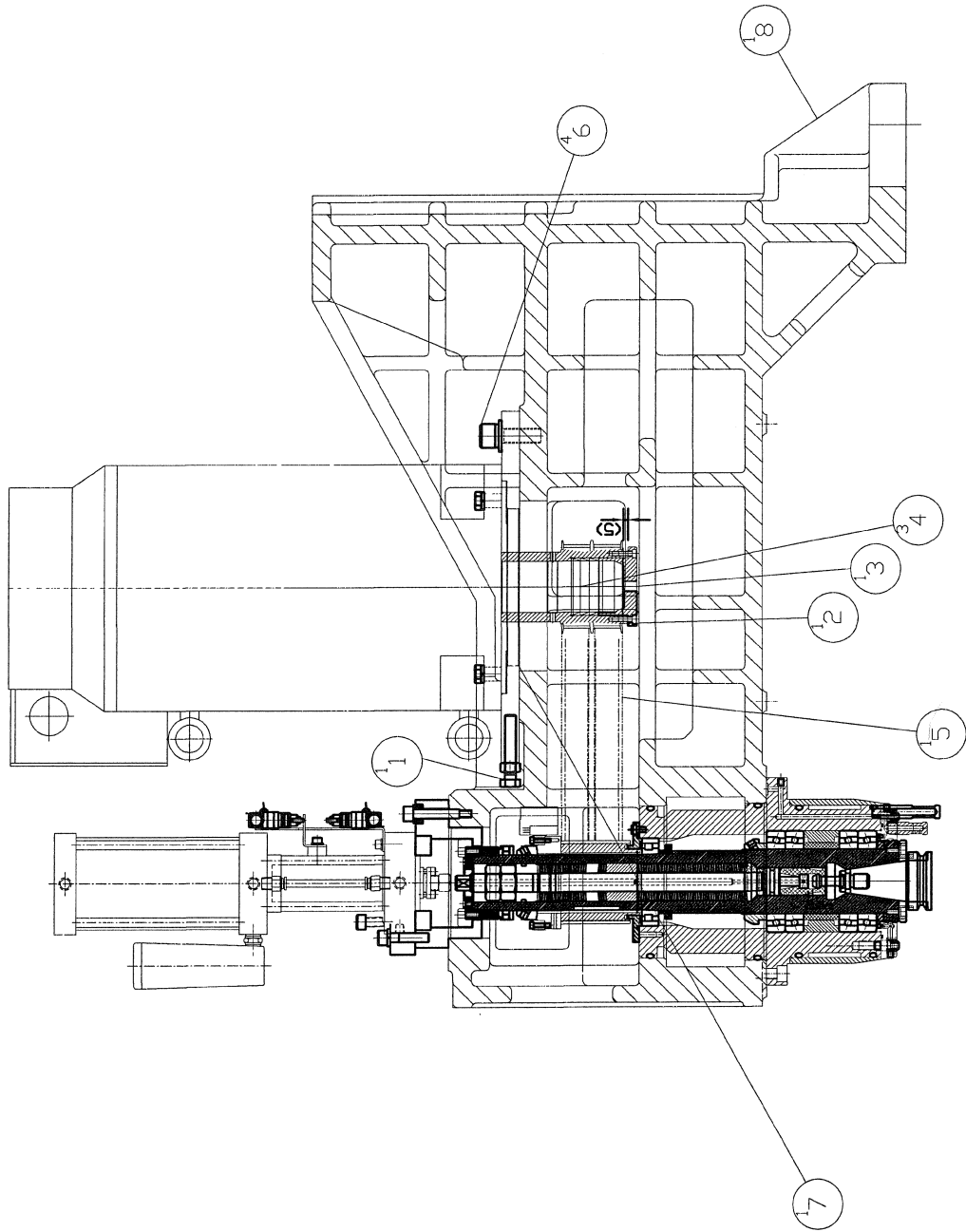
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 00000205D

Description: SPINDLE TRANSMISSION(A15/12K)
主軸傳動(Fanuc A15/12K)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0154228	HEX HD. FULL THD	六角頭螺絲	M12XP1.75XL70(FULL THD)	1.00	EA
2.01	GX 000317706D	PULLEY, MOTOR(8.2K/12K,FANUC)	馬達齒帶輪(8.2K/12K,FANUC α 15)	D101.8xd55xL132.5(45T)	1.00	ST
3.01	GX 000981301D	RETAINER, MOTOR PULLEY	馬達齒帶輪固定環	D85xd48.2xL29.5	1.00	ST
4.00	GX 00098132602	KEYLESS CONNECTION	錐形環鍵	SC-48(d48xD55xL10)	3.00	ST
5.00	GX 00033460102	TIMING BELT(α 15, α 22/12K, 15K)	齒形皮帶(α 15, α 22/12K, 15K)	[CONTIJ] 912-8M-50(25+25)<SUP>	1.00	ST
6.00	NV 000399055A	PLATE	墊塊(M16 washer)	D Φ 32xd Φ 16.5xf6(M16 washer)	4.00	EA
7.00	NV 001066104D	SPINDLE MOTOR PLATE	主軸馬達座(配FANUC α 12)	L393XW274XH20	1.00	EA
8.00	GX 000026400D	HEADSTOCK	主軸箱	L1004XW654XH653	1.00	EA

REV	DESCRIPTION	DATE	ECK
A	原形發售	2006/8/10	18.5



MODEL: GX 1300#40/1600#40	PART NUMBER	SCALE: 1:8
PART NAME	GX 000000202D	REV. A
SPINDLE TRANSMISSION(Fanuc A22/12K)	PAGE 1 OF 1	
主軸傳動軟(Fanuc A22/12K)		
DATE: 2006/9/12	DATE	

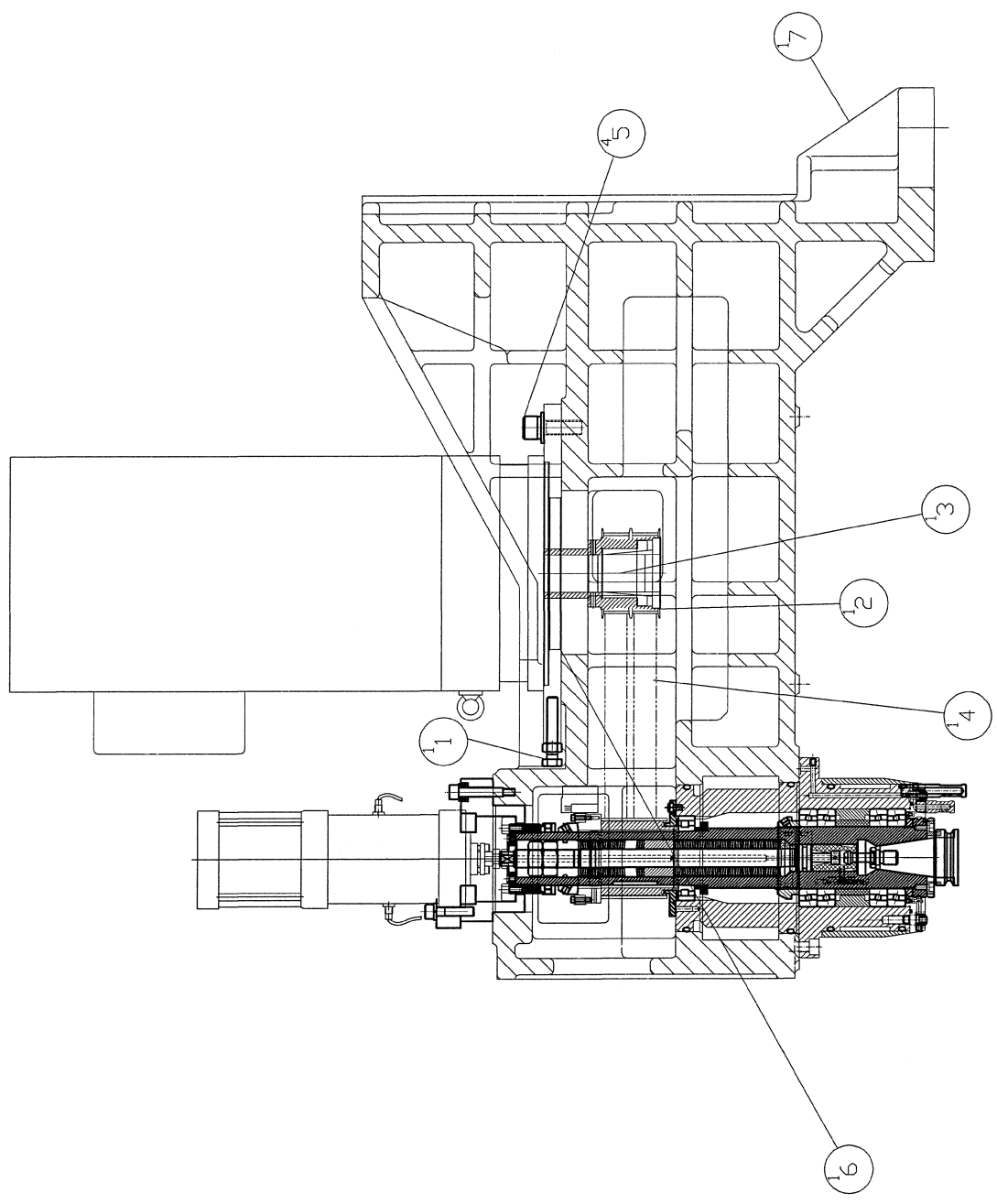
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000000202D

Description: SPINDLE TRANSMISSION(A22/12K)
主軸傳動(Fanuc A22/12K)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0154228	HEX HD. FULL THD	六角頭螺絲	M12XP1.75XL70(FULL THD)	1.00	EA
2.01	GX 000317704D	PULLEY, MOTOR(8.2K/12K,FANUC)	馬達齒帶輪(8.2K/12K,FANUC α 22)	D101.8xd55xL132.5(45T)	1.00	ST
3.01	GX 000981300D	RETAINER, MOTOR PULLEY	馬達齒帶輪固定環	D85xd55.2xL39.5	1.00	ST
4.00	GX 00098132601	KEYLESS CONNECTION	錐形環鍵	SC-55(d55xD62xL10)	3.00	ST
5.00	GX 00033460102	TIMING BELT(α 15, α 22/12K, 15K)	齒形皮帶(α 15, α 22/12K, 15K)	[CONTI] 912-8M-50(25+25)<SUP>	1.00	ST
6.00	NV 000399055A	PLATE	墊塊(M16 washer)	D φ 32xd φ 16.5xt6(M16 washer)	4.00	EA
7.00	NV 001066104D	SPINDLE MOTOR PLATE	主軸馬達座(配FANUC α 12)	L393XW274XH20	1.00	EA
8.00	GX 000026400D	HEADSTOCK	主軸箱	L1004XW654XH653	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	初版發售	2007/4/24	510



MODEL: GX 1300#40/1600#40		SCALE: 1:8	REV: A
PART NAME: SPINDLE TRANSMISSION(KHEI&SIE 12K)		SCALE: 1:8	REV: A
PART NUMBER: GX 000000209D		SCALE: 1:8	REV: A
主軸傳動系統(KHEI&SIE 12K)		SCALE: 1:8	REV: A
DATE: 2007/4/24		SCALE: 1:8	REV: A
DATE: 2007/4/24		SCALE: 1:8	REV: A
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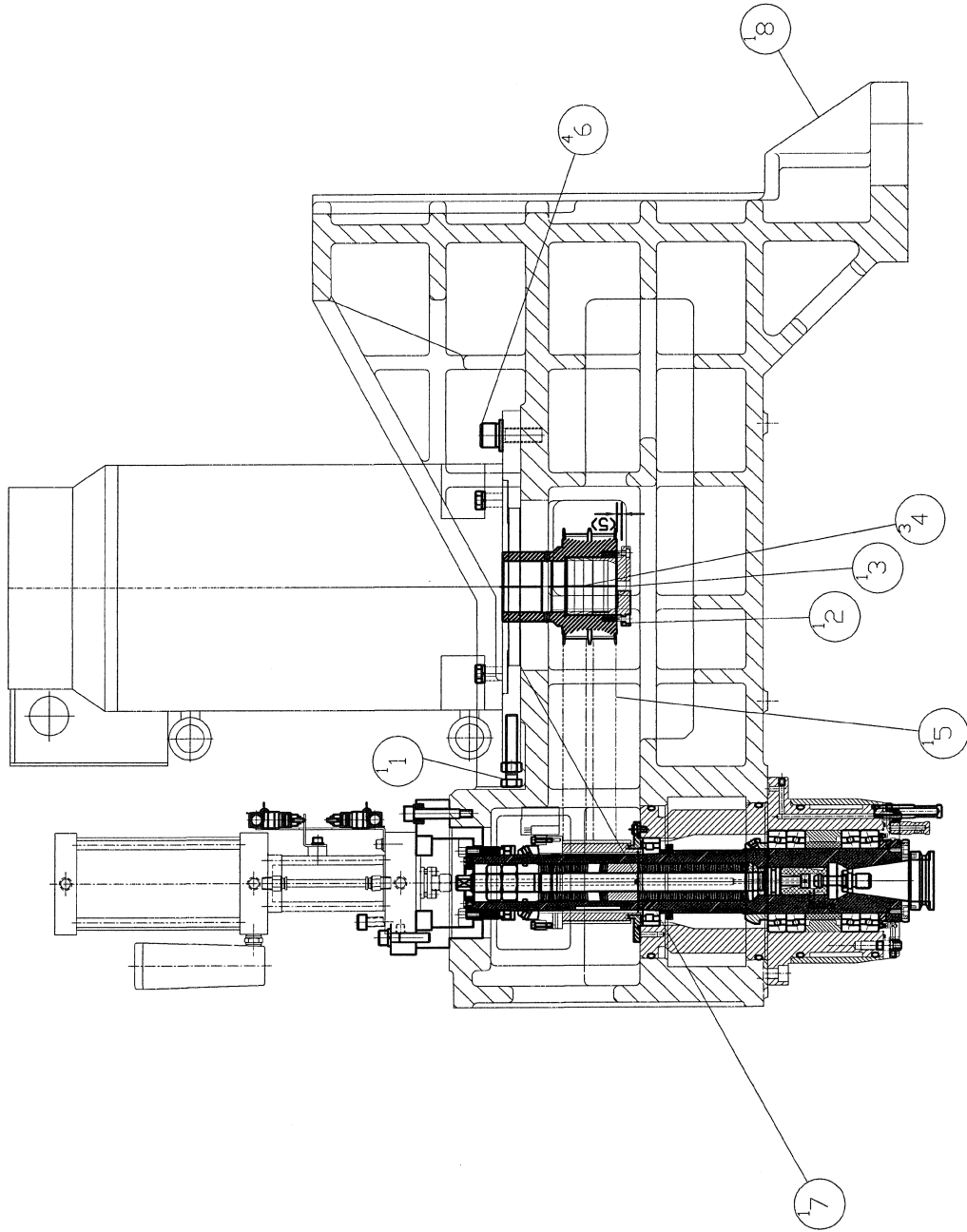
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000000209D

Description: SPINDLE TRANSMISSION(12K)
主軸傳動(HEIDENHAIN&SIEMENS 12K)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0154228	HEX HD. FULL THD	六角頭螺絲	M12XP1.75XL70(FULL THD)	1.00	EA
2.00	GX 000317716D	PULLEY,MOTOR(10K/12K,HEI&SIE)	馬達齒帶輪(10K/12K,HEI&SIE)	D100xd42xL132.5(36T)	1.00	EA
3.00	GX 00098132604	KEYLESS CONNECTION	錐形環鍵	[仕勳]SB-42(不含隔環)	1.00	ST
4.00	GX 00033460102	TIMING BELT(α 15, α 22/12K, 15K)	齒形皮帶(α 15, α 22/12K, 15K)	[CONTIJ] 912-8M-50(25+25)<SUP>	1.00	ST
5.00	NV 000399055A	PLATE	墊塊(M16 washer)	D Φ 32xd Φ 16.5xf6(M16 washer)	4.00	EA
6.00	NV 001066136D	SPINDLE MOTOR PLATE(SIEMENSE)	主軸馬達座(配SIEMENS 1PH7131)	L393XW274XH20	1.00	EA
7.00	GX 000026400D	HEADSTOCK	主軸箱	L1004XW654XH653	1.00	EA

REV	DESCRIPTION	DATE	ECK
A	原/名称	2006/9/10	18 S



MODEL: GX 1300#40/1600#40	PART NUMBER	SCALE: 1/8
SPINDLE TRANSMISSION(Foruc A22/15K)	GX 000000203D	REV: A
主軸傳動(Foruc A22/15K)	PAGE 1 OF 1	
DATE: 2006/9/12	DESIGNER: PHIL	

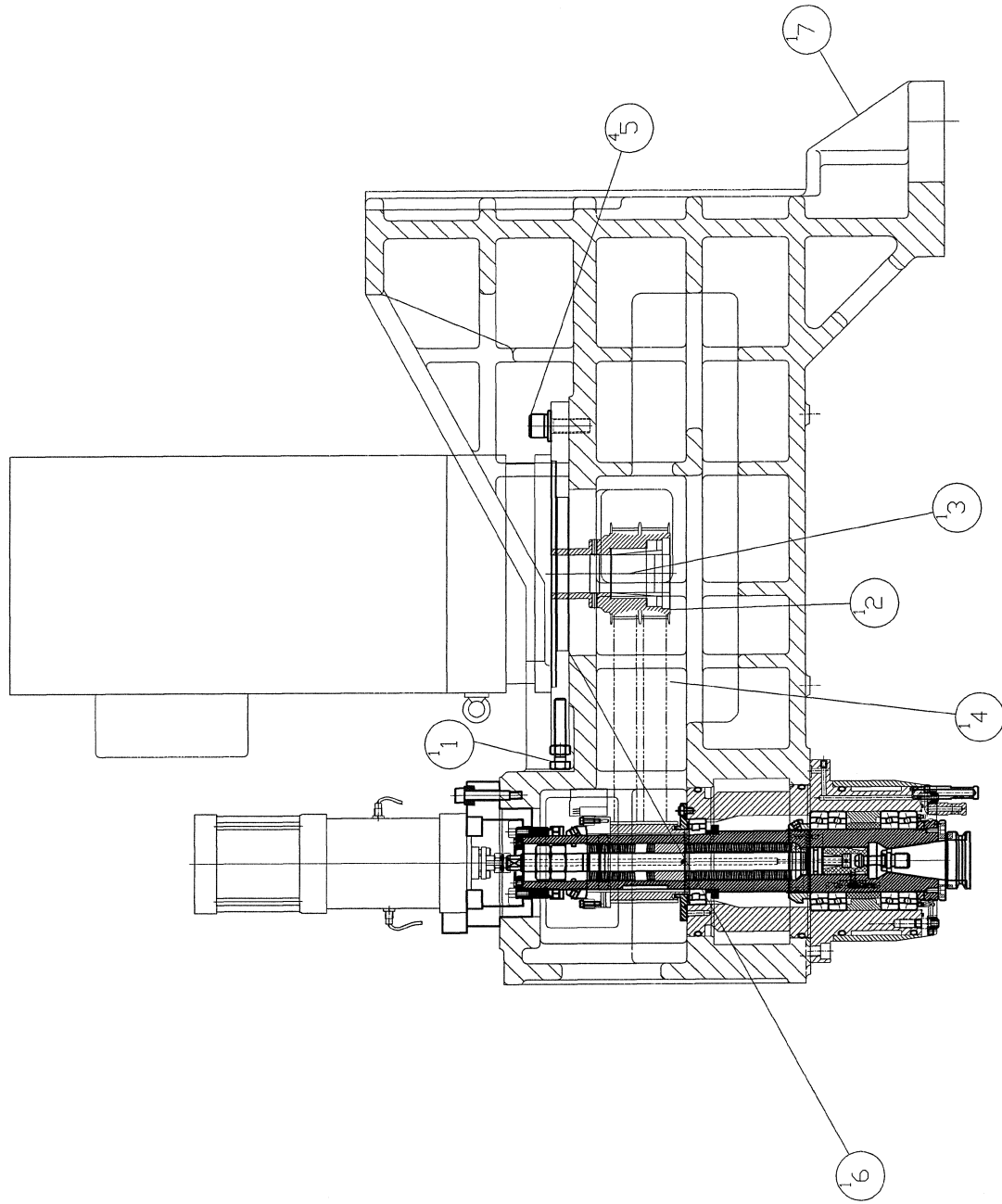
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000000203D

 Description: SPINDLE TRANSMISSION(A22/15K)
 主軸傳動(Fanuc A22/15K)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0154228	HEX HD. FULL THD	六角頭螺絲	M12XP1.75XL70(FULL THD)	1.00	EA
2.02	GX 000317714D	PULLEY, MOTOR(15K,FANUC α 22)	馬達齒帶輪(15K,FANUC α 22)	D112xd55xL132.5(40T)	1.00	EA
3.01	GX 000981300D	RETAINER, MOTOR PULLEY	馬達齒帶輪固定環	D85xd55.2xL39.5	1.00	ST
4.00	GX 00098132601	KEYLESS CONNECTION	錐形環鍵	SC-55(d55xD62xL10)	3.00	ST
5.01	GX 00033460102	TIMING BELT(α 15, α 22/12K, 15K)	齒形皮帶(α 15, α 22/12K, 15K)	[CONTI] 912-8M-50(25+25)<SUP>	1.00	ST
6.00	NV 000399055A	PLATE	墊塊(M16 washer)	D Φ 32xd Φ 16.5xt6(M16 washer)	4.00	EA
7.00	NV 001066104D	SPINDLE MOTOR PLATE	主軸馬達座(配FANUC α 12)	L393XW274XH20	1.00	EA
8.00	GX 000026400D	HEADSTOCK	主軸箱	L1004XW654XH653	1.00	EA

REV	DESCRIPTION	DATE	EON.
A	原形検査	2007/4/24	S10



MODEL: GX 1300#40/1600#40		PART NUMBER	
SPINDLE TRANSMISSION(SIE&HEI 15K)		GX 000000210D	
主車軸/傳動水 SIE & HEI 15K		PAGE	1 DF 1
DATE	2007/4/24	SCALE	1:8
REV	A	REV	A

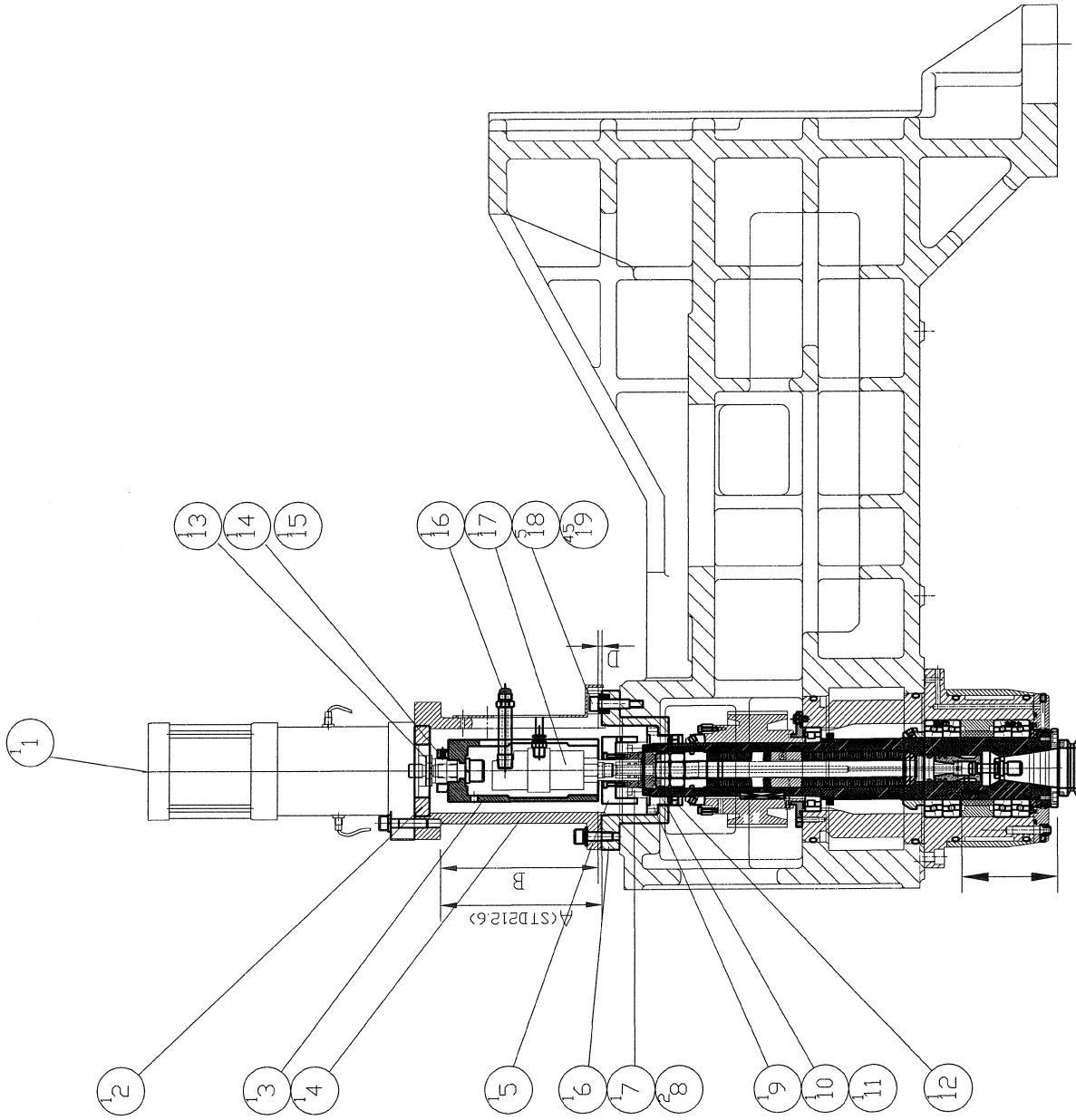
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 00000210D

Description: SPINDLE TRANSMISSION(15K)
主軸傳動(HEIDENHAIN&SIEMENS 15K)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0154228	HEX HD. FULL THD	六角頭螺絲	M12XP1.75XL70(FULL THD)	1.00	EA
2.00	GX 000317717D	PULLEY,MOTOR(15K,HEI&SIE)	馬達齒帶輪(15K,HEIDENHAIN&SIEMENS)	D112xd42xL132.5(40T)	1.00	EA
3.00	GX 00098132604	KEYLESS CONNECTION	錐形環鍵	[仕勳]SB-42(不含隔環)	1.00	ST
4.00	GX 00033460102	TIMING BELT(α 15, α 22/12K, 15K)	齒形皮帶(α 15, α 22/12K, 15K)	[CONTI] 912-8M-50(25+25)<SUP>	1.00	ST
5.00	NV 000399055A	PLATE	墊塊(M16 washer)	D φ 32xd φ 16.5xt6(M16 washer)	4.00	EA
6.00	NV 001066136D	SPINDLE MOTOR PLATE(SIEMENSE)	主軸馬達座(配SIEMENS 1PH7131)	L393XW274XH20	1.00	EA
7.00	GX 000026400D	HEADSTOCK	主軸箱	L1004XW654XH653	1.00	EA

REV	DESCRIPTION	DATE	EON
A	新製	2006/10/12	



MODEL: GX 1300#40/1600#40

PART NAME: SPINDLE TRANSMISSION(Fanuc w/CTS)

PART NUMBER: GX 000000302D

主軸傳動Fanuc w/CTS

DATE: 2006/10/12

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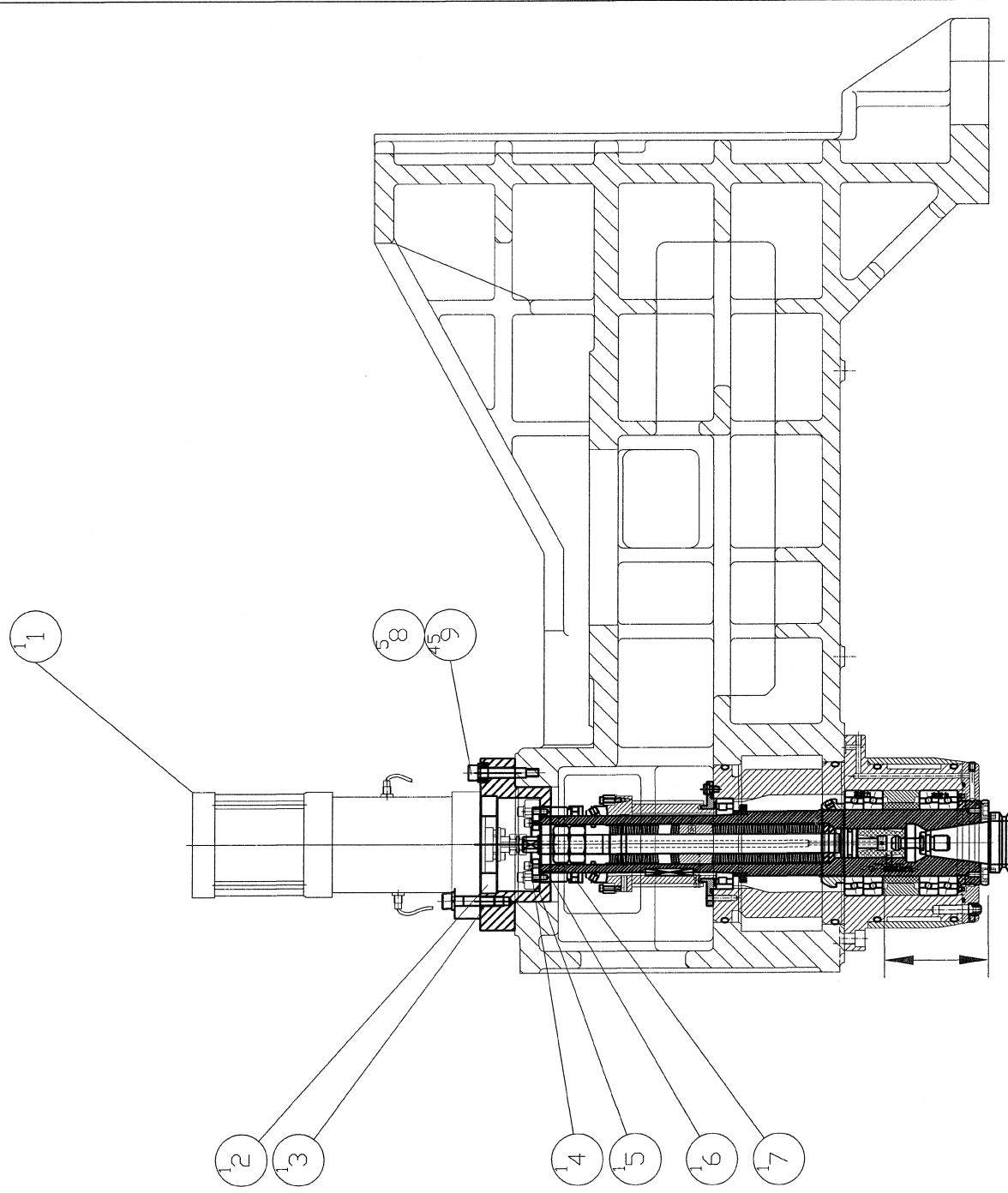
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000000302D

 Description: CLAMPING SYSTEM(w/ CTS)
 打刀機構(w/ CTS)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000291700D	BOOSTER CYLINDER	增壓缸	[臻賞]G-6000打刀缸	1.00	ST
2.00	NV 000048102A	BUSHING	襯套	D102Xd60xL17	1.00	ST
3.00	NV 001042102A	CONTACT BLOCK	接觸塊	D76Xd18XL170	1.00	EA
4.00	NV 000981306A	RING, THR SPD COOLANT	拉環(中心給水)	D180Xd96XL216	1.00	EA
5.00	NV 001066110A	SEAT, THR SPD COOLANT	支撐座	D76Xd25XL39	1.00	EA
6.00	NV 000981304A	RING, THR SPD COOLANT	拉環(中心給水)	D180Xd80XL75	1.00	EA
7.00	NV 001042101A	ADAPTER, ROTATING UNIONS	旋轉接頭座	D63Xd12XL55	1.00	EA
8.00	NV 00094310120	O-RING, 1000psi	O型油環(1000psi使用)	[JIS] P12 (Hs90)	2.00	EA
9.00	NV 000981305A	RING, THR SPD COOLANT	拉環(中心給水)	D99Xd57.84xL26	1.00	EA
10.01	NVA001042100A	ADAPTER, THR SPD COOLANT	連結座	D42Xd12xD55	1.00	EA
11.00	NV 00094310117	O-RING	O型油環	[JIS] P36 (MADE IN JAPAN)	1.00	EA
12.00	NV 000049205A	LOCKNUT	鎖緊螺帽	[SHIANG KAIJIM]60X2	1.00	EA
13.00	NV 001042103A	ADAPTER, THR SPD COOLANT	接頭	D34.5Xd14XL56	1.00	EA
14.00	NV 000049206A	LOCKNUT	鎖緊螺帽	[SHIANG KAIJIM]30X1.5	1.00	EA
15.00	NV 000199065A	BRACKET, COOLANT PIPE	接頭固定板	L170XW36XH55	1.00	EA
16.00	NV 001010900A	PIPE, THR SPD COOLANT	水管接頭	D17Xd6.5XL90	1.00	EA
17.00	NV 00090810102	ROTARY COOLANT UNION(12000RPM)	切削水旋轉接頭(12000RPM)	DEUBLIN 1109-020-188	1.00	ST
18.00	NV 000668403A	BOLT, SPINDLE	螺栓[凸肩螺絲](中心給水)	M10X35	5.00	EA
19.00	NV 000733501	DISK SPRING	碟型彈簧	D20Xd10.2xL1.35(H0.8)	45.00	EA

REV	DESCRIPTION	DATE	CHK
A	新仕様	2006/10/12	



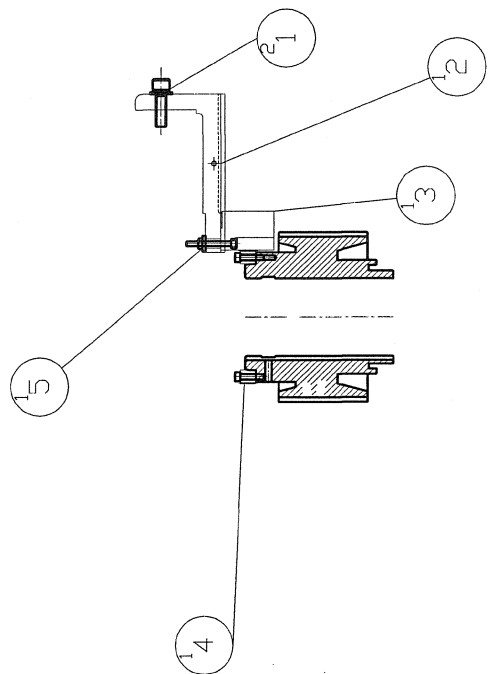
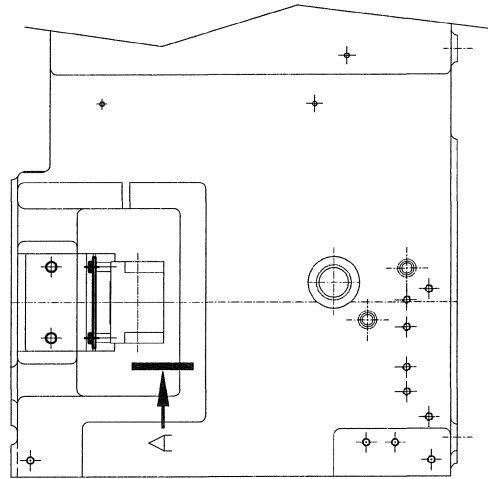
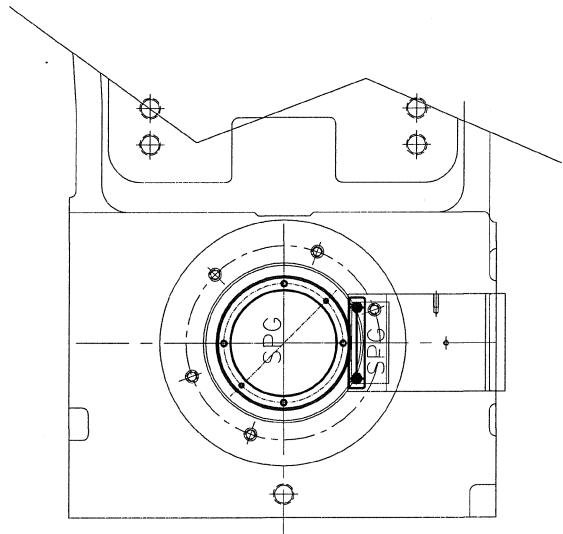
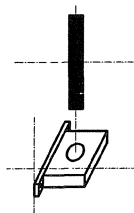
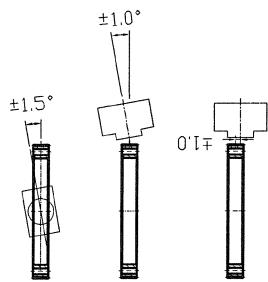
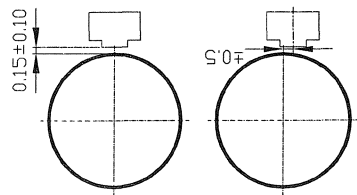
MODEL	GX 1300#40/1600#40
PART NAME	CLAMPING SYSTEM<w/o CTS> 打込ノボリ継手組<w/o CTS>
PART NUMBER	GX 000000301D
DATE	2006/10/12
SCALE	1/7
PAGE	1 OF 1
REV	A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000000301D
Description: CLAMPING SYSTEM(w/o CTS)
打刀機構(w/o CTS)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000291700D	BOOSTER CYLINDER	增壓缸	[臻貴]G-6000打刀缸	1.00	ST
2.00	NV 000048102A	BUSHING	襯套	D102Xd60xL17	1.00	ST
3.00	NV 000981300A	RING	拉環	D180Xd80xL73	1.00	EA
4.00	NVA000199000A	PLATE, SPINDLE	固定板	D55Xd14XL2.3	1.00	EA
5.00	NV 000981302A	RING	拉環	D94Xd56XL15	1.00	EA
6.00	NV 000981301A	RING	拉環	D78Xd30XL36	1.00	EA
7.00	NV 000049205A	LOCKNUT	鎖緊螺帽	[SHIANG KAI]M60X2	1.00	EA
8.00	NV 000668400A	BOLT, SPINDLE	螺栓[凸肩螺絲]	M10X50	5.00	EA
9.00	NV 000733501	DISK SPRING	碟型彈簧	D20Xd10.2xL1.35(H0.8)	45.00	EA

REV	DESCRIPTION	DATE	EDN.
A	変更	2006/11/22	212



A-VIEW

MODEL: GX 1300#40/GX 1600#40	PART NUMBER
SPINDLE ORIENTATION	GX 001178001D
DATE: 2006/11/22	PAGE 1 OF 1
SCALE: 1/6	REV. A

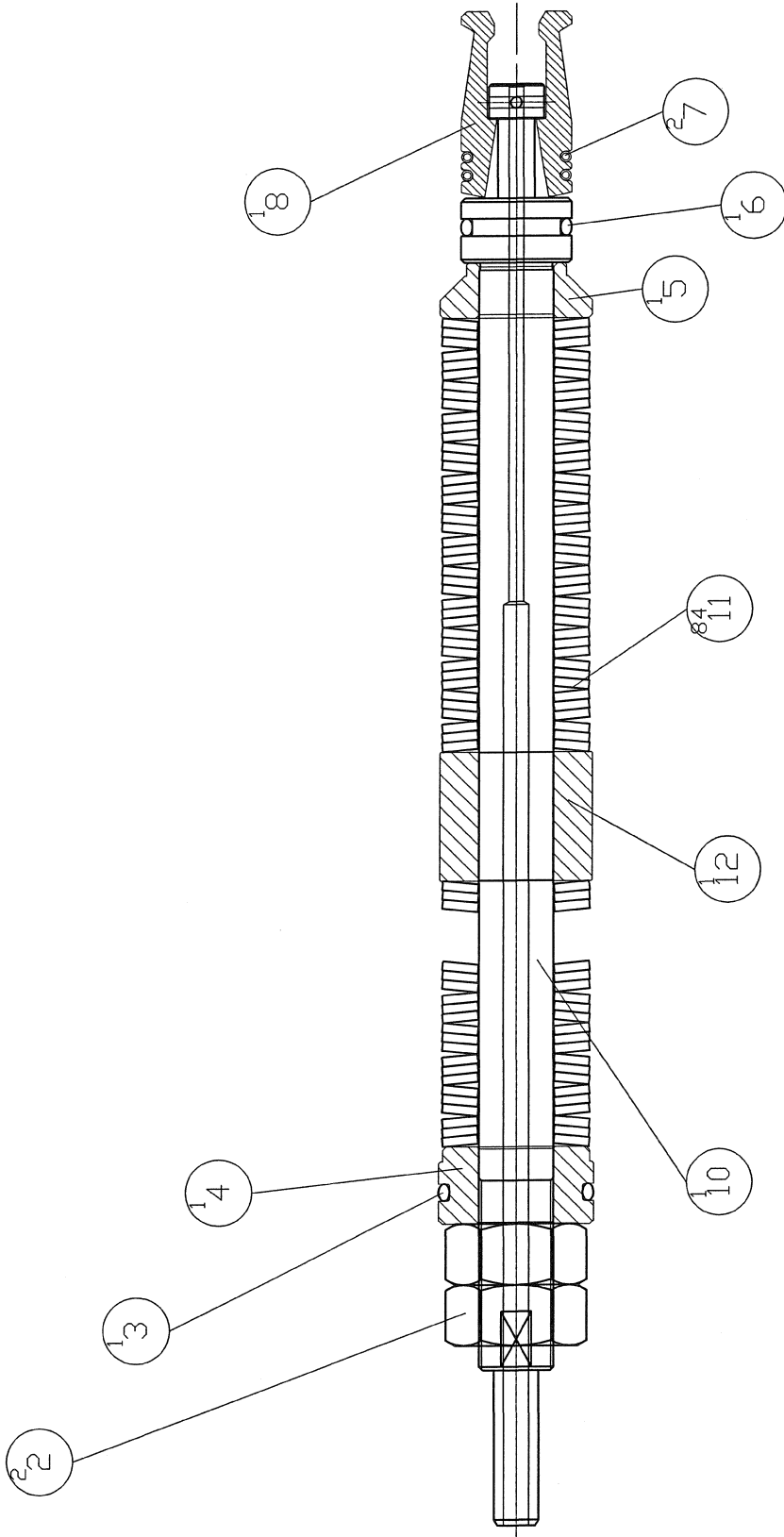
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 001178001D

Description: SPINDLE ORIENTATION
主軸定位

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0103820	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M8xP1.25xL30	2.00	EA
2.00	GX 001066102D	BRACKET,ENCODER	計數器固定座	L122xW69xH74.9	1.00	ST
3.00	NV 00081480001	SPEED MAGNETIC SENSOR	主軸速度檢出器	MSK-015-1024-08(SUMTAK)	1.00	EA
4.00	NV 000620000A	GEAR, ENCODER	主軸計速器檢測齒輪	SUMTAK MSK-015-1024-08	1.00	EA
5.00	NV 000199005A	PLATE, ENCODER	計速器固定板	L70XW12XH2.3	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	零件承認	2006/1/10	INV0623
B	圖改#10	2006/9/25	202



MODEL	VMC-600/800/1000/1250#40/1500#40
PART NAME	DRAWBAR ASSM(KW / CTS, HI-TORQUE) 拉桿(中心給水, 高扭力)
PART NUMBER	NVB000048504AT
DATE	2005/12/27
SCALE	1/2
PAGE	1 of 1
REV.	B

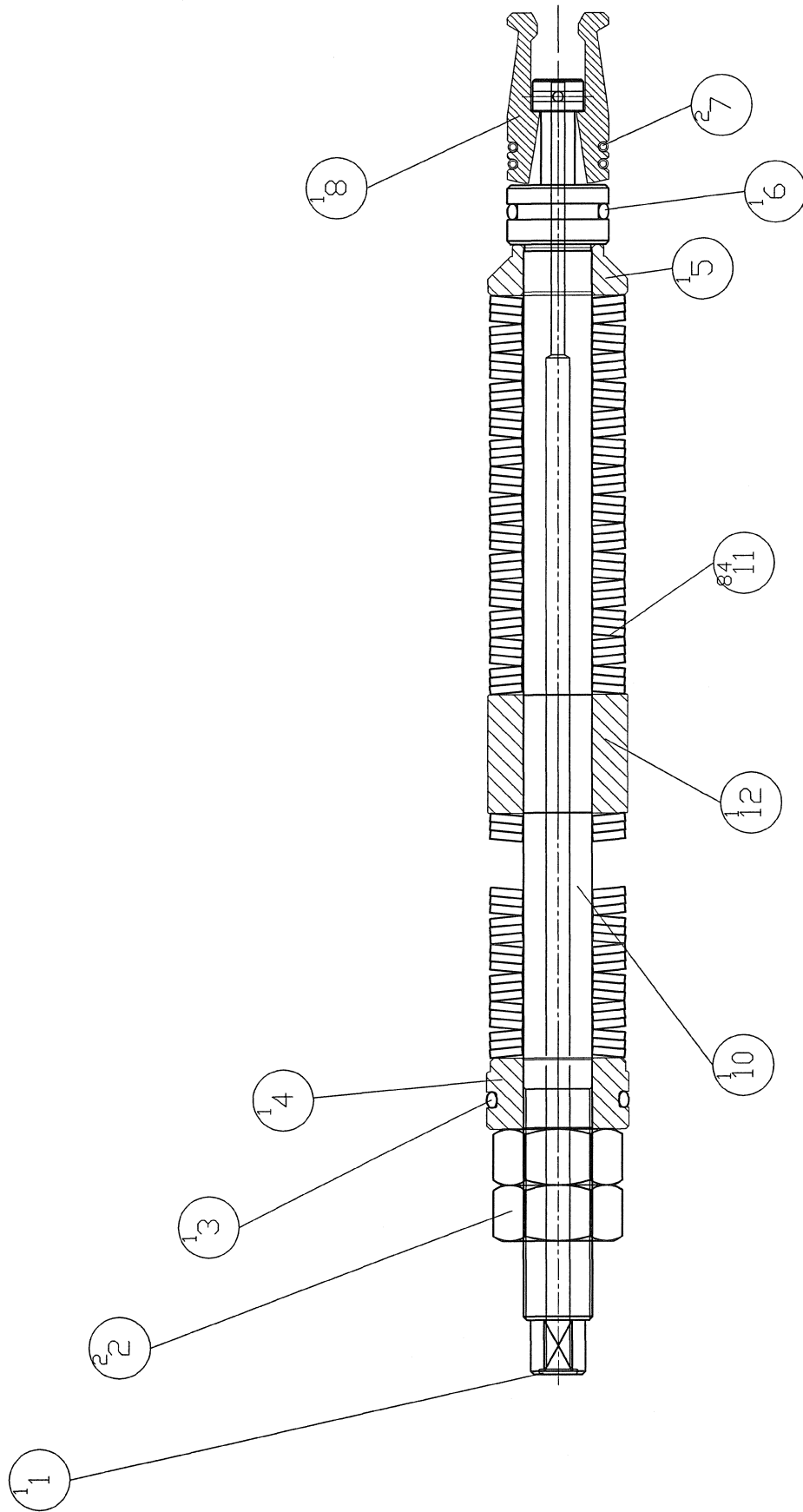
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVB000048504AT

Description: DRAWBAR (W/CTS, HI-TORQUE)
拉桿(中心給水, 高扭力)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
2.00	MN 0114910	HEXAGON NUT	六角螺帽	M20xP1.5	2.00	EA
3.00	NV 00094310131	O-RING	O型油環	[NOK] 4DP36(VITON)	1.00	EA
4.00	NV 000048108A	BUSHING	襯套(主軸兩段變速)	D41.9xd20xL21	1.00	ST
5.00	NV 000417317A	WASHER, THRUST CTS	墊圈(主軸兩段變速,CTS)	D41xd20.2xL15.5	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
10.01	NV 000048003A	DRAWBAR, THR SPD COOLANT	拉桿(中心給水)(主軸兩段變速)	D30xd4xL391.5	1.00	ST
11.00	NV 00073350106	SHOT PEENED DISK SPRING	珠擊碟型彈簧片(高扭力)	40*20.4*2 (shot peen)	84.00	EA
12.00	NV 000179955A	SPACER OF DISK SPRING (HT)	碟型彈簧間隔環(HT)	D41X20X35t	1.00	EA

REV	DESCRIPTION	DATE	EDN
A	零件表	2006/1/10	INV/0523



MODEL	VMC-600/800/1000/1250#40/1500#40
PART NAME	DRAWBAR ASSM(W/D CTS, HI-TORQUE) 扣環 無中心線水, 高扭力
PART NUMBER	NV B000048501A T
PAGE	1 of 1
REV.	A
DATE	2005/12/27
SCALE	1:2

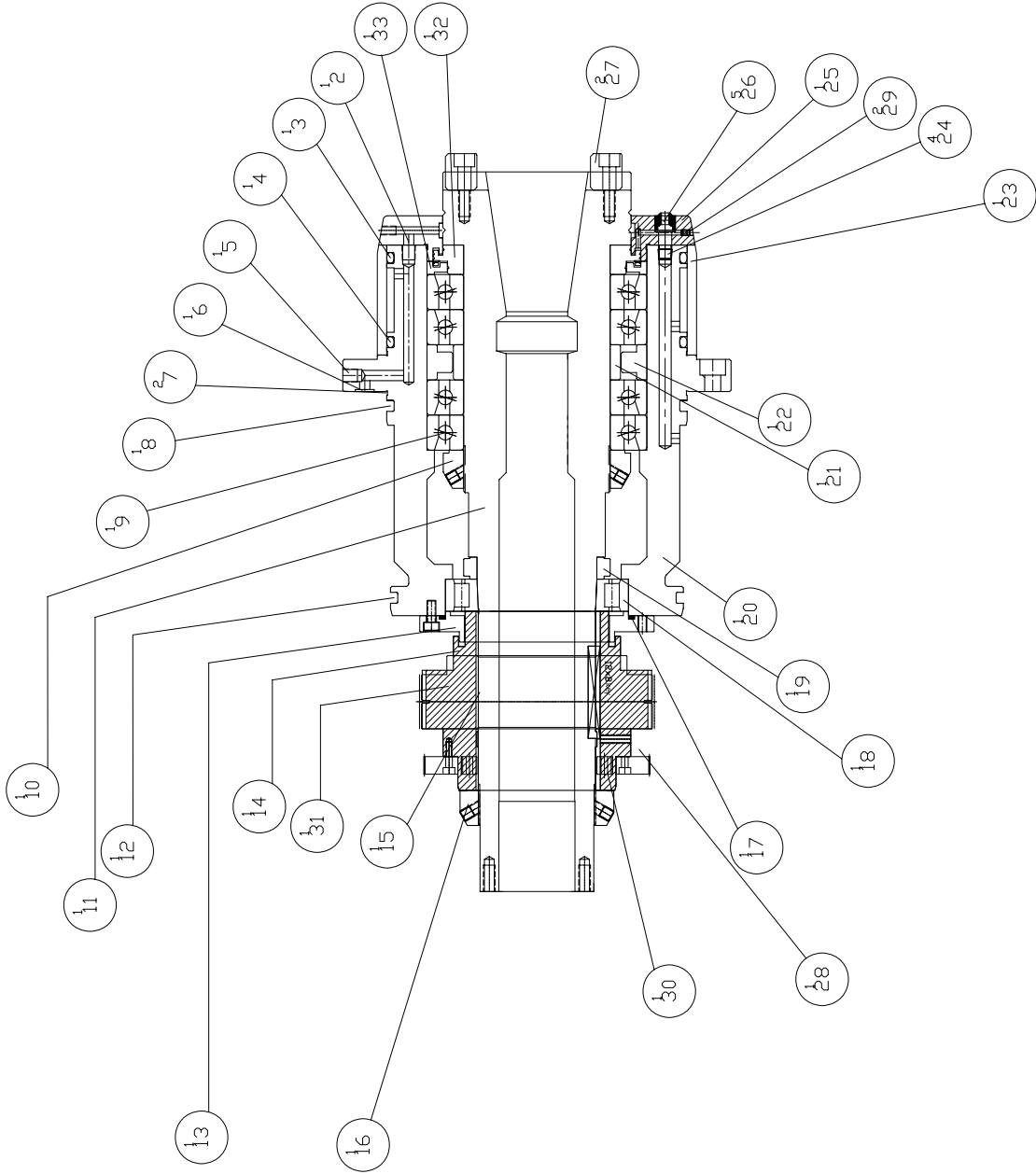
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NVB000048501AT

Description: DRAWBAR (W/O CTS, HI-TORQUE)
拉桿(無中心給水, 高扭力)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00094310101	O-RING	O型油環	[JIS] P8, Hs70 (NOK)	1.00	EA
2.00	MN 0114910	HEXAGON NUT	六角螺帽	M20xP1.5	2.00	EA
3.00	NV 00094310131	O-RING	O型油環	[NOK] 4DP36(VITON)	1.00	EA
4.00	NV 000048108A	BUSHING	襯套(主軸兩段變速)	D41.9xd20xL21	1.00	ST
5.00	NV 000417317A	WASHER, THRUST CTS	墊圈(主軸兩段變速,CTS)	D41xd20.2xL15.5	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 000048002A	DRAWBAR, THR SPD COOLANT	拉桿(主軸兩段變速)	D30xd4xL382	1.00	ST
11.00	NV 00073350106	SHOT PEENED DISK SPRING	珠擊碟型彈簧片(高扭力)	40*20.4*2 (shot peen)	84.00	EA
12.00	NV 000179955A	SPACER OF DISK SPRING (HT)	碟型彈簧間隔環(HT)	D41X20X35t	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	新機種, 圖號修正, 新機種 32 并 32	2007/7/24	653



MODEL: GX 1300#50/1600#50	PART NUMBER	GXA000015701F
PART NAME	cartridge assm(6000rpm)	
主車軸套筒(6000rpm)	PAGE	1 OF 1
DATE 2007/7/24	SCALE 1:5	REV. A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GXA000015701F

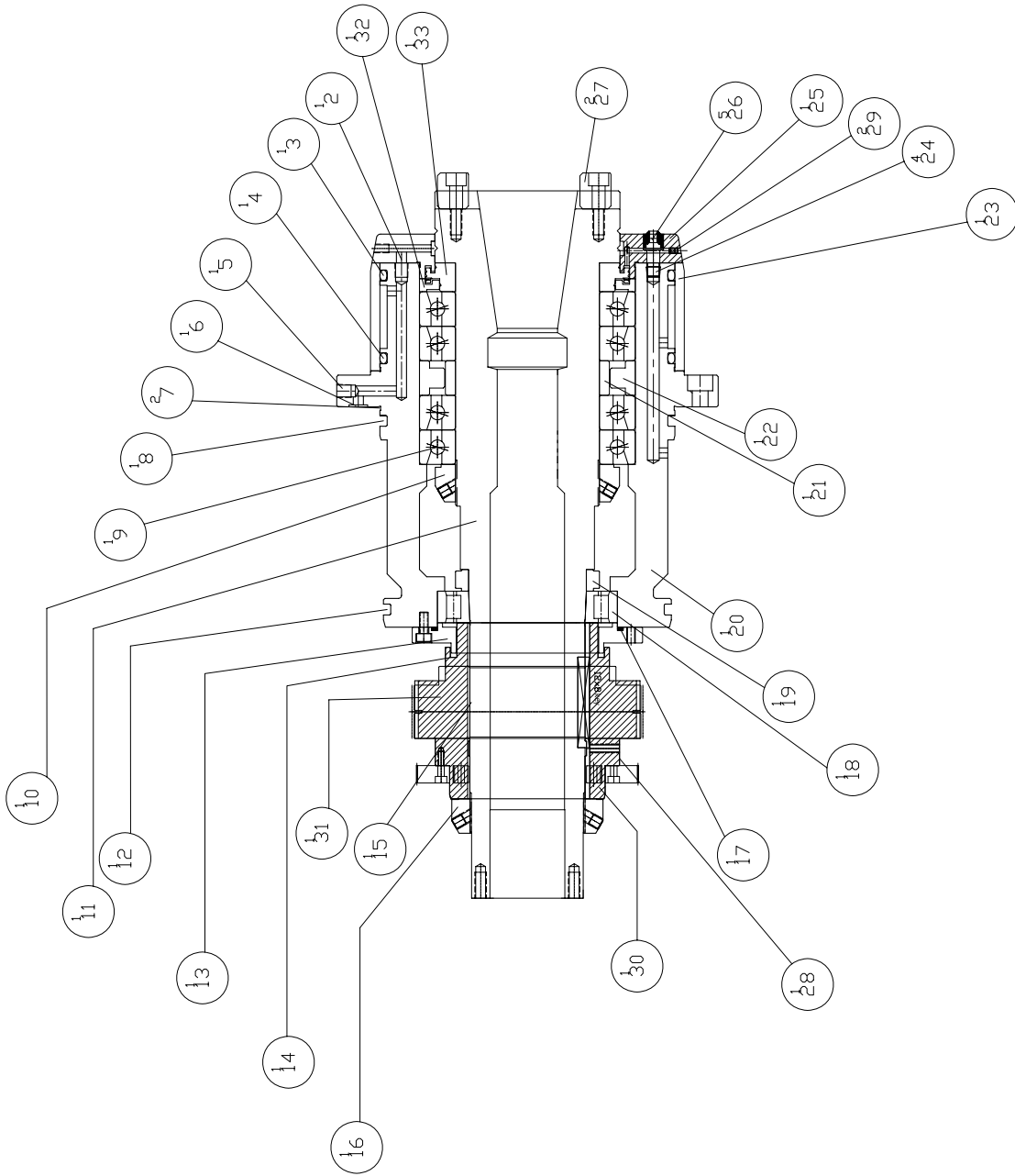
Description: CARTRIDGE(6K-RPM)
主軸套筒(6K-RPM)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
2.00	NV 00094310102	O-RING	O型油環	[JIS] P10	1.00	EA
3.00	BL 00094310203	O-RING	O型油環	[JIS]G190	1.00	EA
4.00	BL 00094310203	O-RING	O型油環	[JIS]G190	1.00	EA
5.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	1.00	EA
6.00	NV 00094310102	O-RING	O型油環	[JIS] P10	1.00	EA
7.00	BL 00094310204	O-RING	O型油環	[JIS]G195	2.00	EA
8.00	BL 00094310203	O-RING	O型油環	[JIS]G190	1.00	EA
9.00	NV 00002660124	FRONT BEARING, #50 SPINDLE	主軸斜角滾珠軸承(#50)	[NSK]100BNR10STYDBBCA1-01P4(4P)	1.00	ST
10.00	BL 000049203B	LOCKNUT	鎖緊螺帽	[SHIANG KAJI]M100X2(GRINDING)	1.00	EA
11.00	NV 000028300F	SPINDLE	主軸(BT50)	D128.97X41.6XL491.7	1.00	EA
12.00	BL 00094310203	O-RING	O型油環	[JIS]G190	1.00	EA
13.00	NV 001011500F	COVER	軸蓋	D160Xd99xL24	1.00	EA
14.00	NV 000317753F	BUSHING, SPINDLE EAGLE SPROCKE	主軸齒帶輪襯套(高扭力)	D114xd80xL30.3	1.00	EA
15.00	NV 00061150111	SUNK KEY	平行鍵(雙圓頭鍵)	L63xW12xH8	1.00	EA
16.00	BL 000049202A	LOCKNUT	鎖緊螺帽(M80-雙面研磨)	[SHIANG KAJI]M80X2(GRINDING)	1.00	EA
17.00	NV 00094310220	O-RING	O型油環	[JIS] G125	1.00	EA
18.00	NV 00002660228	BEARING, #50 SPINDLE	主軸滾筒軸承(#50)	[NSK] N1016MRKRCC1P4	1.00	EA
19.00	NV 000179901F	SPACER, SPINDLE	後間隔圈	D100Xd81.8xL15	1.00	EA
20.01	NV 000405200F	HOUSING, SPINDLE	軸承套	D265xd118xL253	1.00	EA
1.00	NV 300405200F	HOUSING, SPINDLE	軸承套	D266xd109xL259	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 000179966F	INTERNAL SPACER, SPINDLE	內間隔圈	D114xd100xL24	1.00	EA
22.00	NV 000179967F	EXTERNAL SPACER, SPINDLE	外間隔圈	D150xd136xL24	1.00	EA
23.00	NV 000048101F	BUSHING	襯套	D218Xd205XL75	1.00	ST
24.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	4.00	EA
25.02	NVB001011501F	COVER,SPINDLE	主軸前蓋	D211xdf128.7xL40	1.00	EA
26.00	NV 00070110101	NOZZLE, COOLANT	冷卻水噴嘴	NOZ. 14	5.00	EA
27.00	NV 000753300F	L25.4XW25XH21.5	鍵	KEY, SPINDLE	2.00	EA
28.00	NV 000620000F	GEAR, ENCODER	主軸計數器檢測齒輪(0.4M/384T)	SUMTAK MSK-015-1024-08	1.00	EA
29.00	NV 000668423A	SET SCREW	固定螺絲	M4xP0.5xd1.5	2.00	EA
30.00	GX 000317707F	BUSHING, SPINDLE EAGLE SPROCKE	主軸齒帶輪襯套	d83.3xD128xL59	1.00	ST
31.00	GX 000317709F	EAGLE SPROCKET, SPINDLE(6K)	主軸人字皮帶輪(6K)	d80xd161.6xL33	1.00	ST
1.00	GX 300317709F	EAGLE SPROCKET(64T)	人字皮帶輪(64T)	W-64S-MPB	1.00	EA
2.00	GX 300317709F	EAGLE SPROCKET(64T)	人字皮帶輪(64T)	W-64S-MPB	1.00	EA
32.00	NV 000179994F	INTERNAL SPACER, SPINDLE	內間隔圈	D111.7Xd70XL20	1.00	EA
33.00	NV 000179995F	EXTERNAL SPACER, SPINDLE	外間隔圈	D110Xd82.3XL9	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	新機種, 圖號修正, 新機種 32 共 2 頁 2	2007/7/24	159



MODEL: GX 1300/1600#50	PART NUMBER GXA000015702F
PART NAME cartridge assm(8.2K-RPM) 主軸套筒(8.2K-RPM)	PAGE 1 OF 1
DATE 2007/7/24	REV. A
SCALE 1:5	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GXA000015702F

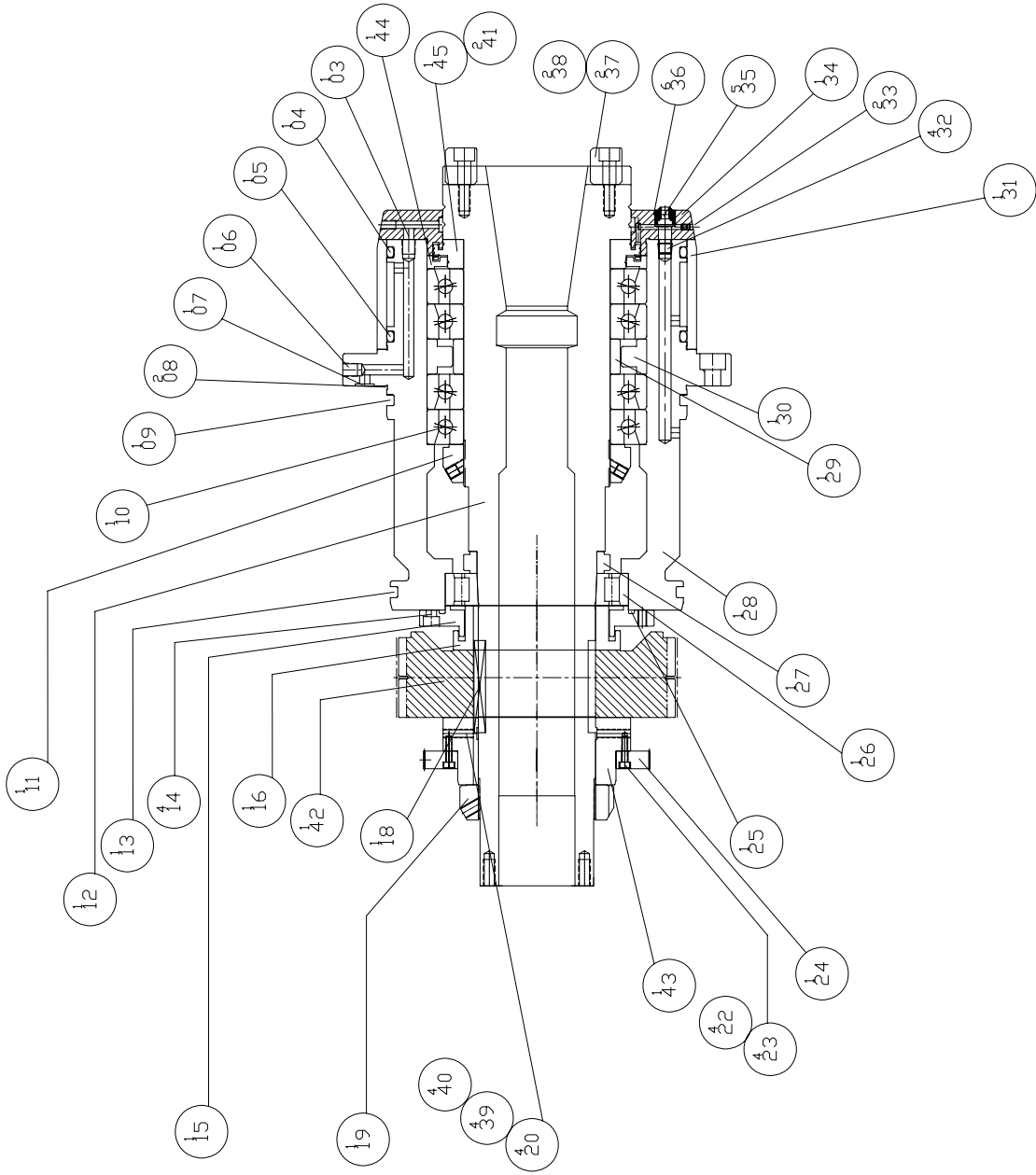
Description: CARTRIDGE(8.2K-RPM)
主軸套筒(8.2K-RPM)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
2.00	NV 00094310102	O-RING	O型油環	[JIS] P10	1.00	EA
3.00	BL 00094310203	O-RING	O型油環	[JIS]G190	1.00	EA
4.00	BL 00094310203	O-RING	O型油環	[JIS]G190	1.00	EA
5.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	1.00	EA
6.00	NV 00094310102	O-RING	O型油環	[JIS] P10	1.00	EA
7.00	BL 00094310204	O-RING	O型油環	[JIS]G195	2.00	EA
8.00	BL 00094310203	O-RING	O型油環	[JIS]G190	1.00	EA
9.00	NV 00002660124	FRONT BEARING, #50 SPINDLE	主軸斜角滾珠軸承(#50)	[NSK]100BNR10STYDBBCA1-01P4(4P)	1.00	ST
10.00	BL 000049203B	LOCKNUT	鎖緊螺帽	[SHIANG KAJI]M100X2(GRINDING)	1.00	EA
11.00	NV 000028300F	SPINDLE	主軸(BT50)	D128.97X41.6XL491.7	1.00	EA
12.00	BL 00094310203	O-RING	O型油環	[JIS]G190	1.00	EA
13.00	NV 001011500F	COVER	軸蓋	D160Xd99xL24	1.00	EA
14.00	NV 000317753F	BUSHING, SPINDLE EAGLE SPROCKE	主軸齒帶輪襯套(高扭力)	D114xd80xL30.3	1.00	EA
15.00	NV 00061150111	SUNK KEY	平行鍵(雙圓頭鍵)	L63xW12xH8	1.00	EA
16.00	BL 000049202A	LOCKNUT	鎖緊螺帽(M80-雙面研磨)	[SHIANG KAJI]M80X2(GRINDING)	1.00	EA
17.00	NV 00094310220	O-RING	O型油環	[JIS] G125	1.00	EA
18.00	NV 00002660228	BEARING, #50 SPINDLE	主軸滾筒軸承(#50)	[NSK] N1016MRKRCC1P4	1.00	EA
19.00	NV 000179901F	SPACER, SPINDLE	後間隔圈	D100Xd81.8xL15	1.00	EA
20.01	NV 000405200F	HOUSING, SPINDLE	軸承套	D265xd118xL253	1.00	EA
1.00	NV 300405200F	HOUSING, SPINDLE	軸承套	D266xd109xL259	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 000179966F	INTERNAL SPACER, SPINDLE	內間隔圈	D114xd100xL24	1.00	EA
22.00	NV 000179967F	EXTERNAL SPACER, SPINDLE	外間隔圈	D150xd136xL24	1.00	EA
23.00	NV 000048101F	BUSHING	襯套	D218Xd205XL75	1.00	ST
24.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	4.00	EA
25.01	NVB001011501F	COVER,SPINDLE	主軸前蓋	D211xdf128.7xL40	1.00	EA
25.02	NVB001011501F	COVER,SPINDLE	主軸前蓋	D211xdf128.7xL40	1.00	EA
26.00	NV 00070110101	NOZZLE, COOLANT	冷卻水噴嘴	NOZ. 14	5.00	EA
27.00	NV 000753300F	L25.4XW25XH21.5	鍵	KEY, SPINDLE	2.00	EA
28.00	NV 000620000F	GEAR, ENCODER	主軸計數器檢測齒輪(0.4M/384T)	SUMTAK MSK-015-1024-08	1.00	EA
29.00	NV 000668423A	SET SCREW	固定螺絲	M4xP0.5xd1.5	2.00	EA
30.00	GX 000317707F	BUSHING, SPINDLE EAGLE SPROCKE	主軸齒帶輪襯套	d83.3xD128xL59	1.00	ST
31.00	GX 000317708F	EAGLE SPROCKET, SPINDLE(8.2K)	主軸人字皮帶輪(8.2K)	d80xd120.85xL33	1.00	ST
1.00	GX 300317708F	EAGLE SPROCKET(48T)	人字皮帶輪(48T)	W-48S-MPB	1.00	EA
2.00	GX 300317708F	EAGLE SPROCKET(48T)	人字皮帶輪(48T)	W-48S-MPB	1.00	EA
32.00	NV 000179995F	EXTERNAL SPACER, SPINDLE	外間隔圈	D110Xd82.3XL9	1.00	EA
33.00	NV 000179994F	INTERNAL SPACER, SPINDLE	內間隔圈	D111.7Xd70XL20	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	新機, 取除機1#2, 新機14.4.15	2007/7/24	693



MODEL: GX 1300#50/GX 1600#50

PART NAME
cartridge assm(6000rpm HT)

主軸套筒(6000rpm 高扭力)

PART NUMBER
GXA000015701FT

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REV. A

DATE 2007/7/24

SCALE 1:5

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GXA000015701FT

Description: CARTRIDGE(6000rpm HT)
主軸套筒(6000rpm 高扭力)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
3.00	NV 00094310102	O-RING	O型油環	[JIS] P10	1.00	EA
4.00	BL 00094310203	O-RING	O型油環	[JIS]G190	1.00	EA
5.00	BL 00094310203	O-RING	O型油環	[JIS]G190	1.00	EA
6.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	1.00	EA
7.00	NV 00094310102	O-RING	O型油環	[JIS] P10	1.00	EA
8.00	BL 00094310204	O-RING	O型油環	[JIS]G195	2.00	EA
9.00	BL 00094310203	O-RING	O型油環	[JIS]G190	1.00	EA
10.00	NV 00002660124	FRONT BEARING, #50 SPINDLE	主軸斜角滾珠軸承(#50)	[NSK]100BNR10STYDBBCA1-01P4(4P)	1.00	ST
11.00	BL 000049203B	LOCKNUT	鎖緊螺帽	[SHIANG KAI]M100X2(GRINDING)	1.00	EA
12.00	NV 000028300F	SPINDLE	主軸(BT50)	D128.97X41.6XL491.7	1.00	EA
13.00	BL 00094310203	O-RING	O型油環	[JIS]G190	1.00	EA
14.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
15.00	NV 001011500F	COVER	軸蓋	D160Xd99xL24	1.00	EA
16.00	NV 000317753F	BUSHING, SPINDLE EAGLE SPROCKE	主軸齒帶輪襯套(高扭力)	D114xd80xL30.3	1.00	EA
18.00	NV 00061150111	SUNK KEY	平行鍵(雙圓頭鍵)	L63xW12xH8	1.00	EA
19.00	BL 000049202A	LOCKNUT	鎖緊螺帽(M80-雙面研磨)	[SHIANG KAI]M80X2(GRINDING)	1.00	EA
20.00	MS 0553617	SOC SET, CUP SCREW	杯型端固定螺絲	M6XP1.0XL16	4.00	EA
22.00	MS 0103417	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL16	4.00	EA
23.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
24.00	NV 000620000F	GEAR, ENCODER	主軸計數器檢測齒輪(0.4M/384T)	SUMTAK MSK-015-1024-08	1.00	EA

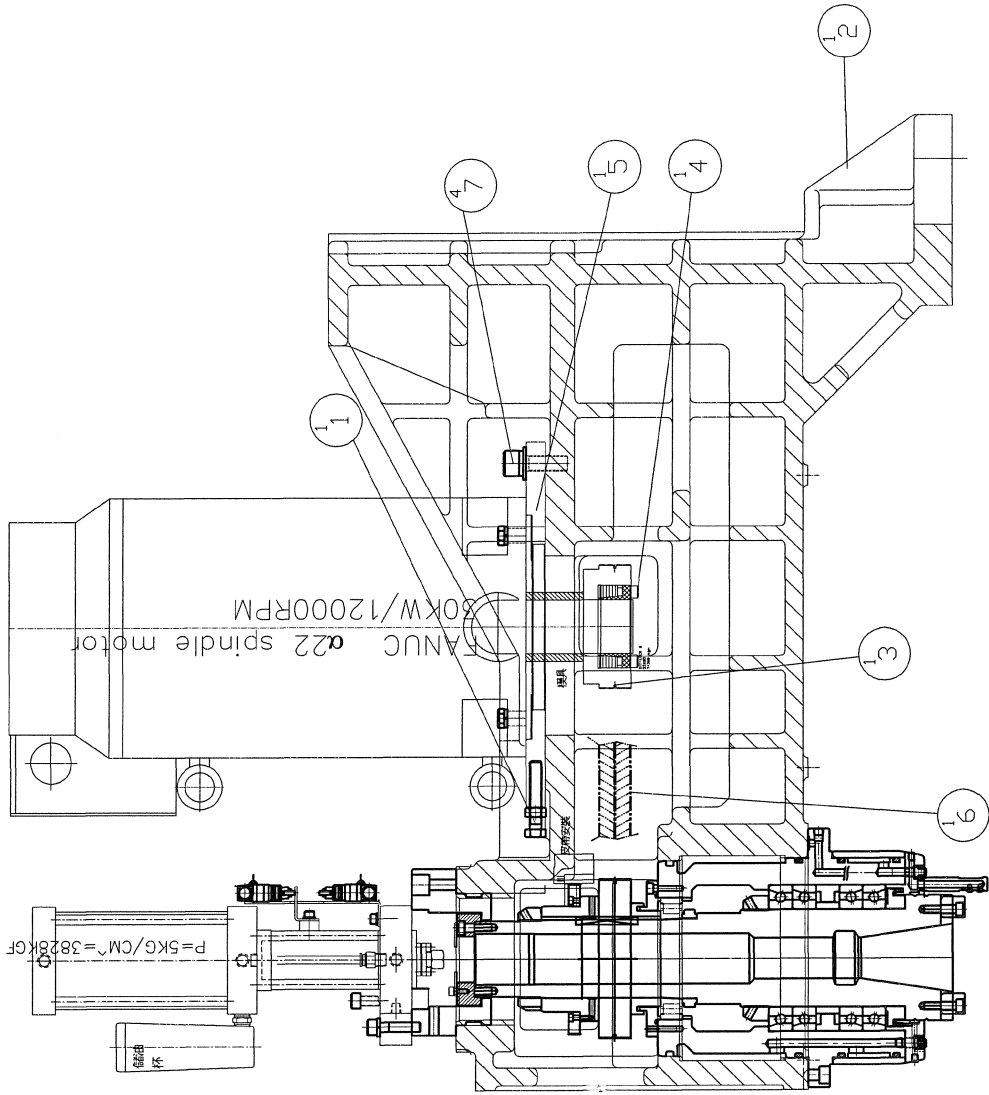
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
25.00	NV 00094310220	O-RING	O型油環	[JIS] G125	1.00	EA
26.00	NV 00002660228	BEARING, #50 SPINDLE	主軸滾筒軸承(#50)	[NSK] N1016MRKRCC1P4	1.00	EA
27.00	NV 000179901F	SPACER, SPINDLE	後間隔圈	D100Xd81.8xL15	1.00	EA
28.01	NV 000405200F	HOUSING, SPINDLE	軸承套	D265xd118xL253	1.00	EA
1.00	NV 300405200F	HOUSING, SPINDLE	軸承套	D266xd109xL259	1.00	EA
29.00	NV 000179966F	INTERNAL SPACER, SPINDLE	內間隔圈	D114xd100xL24	1.00	EA
30.00	NV 000179967F	EXTERNAL SPACER, SPINDLE	外間隔圈	D150xd136xL24	1.00	EA
31.00	NV 000048101F	BUSHING	襯套	D218Xd205XL75	1.00	ST
32.00	NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	4.00	EA
33.00	MS 0553614	SOC SET, CUP POINT	杯型端固定螺絲	M6XP1.0XL8	2.00	EA
34.00	NVB001011501F	COVER, SPINDLE	主軸前蓋	D211xdf128.7xL40	1.00	EA
34.01	NVB001011501F	COVER, SPINDLE	主軸前蓋	D211xdf128.7xL40	1.00	EA
35.00	NV 00070110101	NOZZLE, COOLANT	冷卻水噴嘴	NOZ. 14	5.00	EA
36.00	MS 0104020	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL30	6.00	EA
37.00	NV 000753300F	L25.4XW25XH21.5	鍵	KEY, SPINDLE	2.00	EA
38.00	MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	2.00	EA
39.00	MS 0553616	SOC SET, CUP SCREW	杯型端固定螺絲	M6XP1.0XL12	4.00	EA
40.00	MS 0553614	SOC SET, CUP POINT	杯型端固定螺絲	M6XP1.0XL8	4.00	EA
41.00	MS 0303413	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M4xP0.7xL6	2.00	EA
42.00	GX 000317720F	EAGLE SPROCKET(43T)	主軸人字皮帶輪(43T)	D188.8xd80xH54.5	1.00	ST
1.00	GX 300317720F	EAGLE SPROCKET(43T)	主軸人字皮帶輪(43T)	G-43S-MPB	1.00	EA
43.00	GX 000317722F	BUSHING, SPINDLE EAGLE SPROCKE	主軸齒帶輪襯套(高扭力)	D128xd80xL46	1.00	ST
44.00	NV 000179995F	EXTERNAL SPACER, SPINDLE	外間隔圈	D110Xd82.3XL9	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
45.00	NV 000179994F	INTERNAL SPACER, SPINDLE	內間隔圈	D111.7Xd70XL20	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	初版	2006/09/01	1815



MODEL: GX 1300#50/1600#50	
PART NAME	PART NUMBER
SPINDLE TRANSMISSION(A22P/6K)	GX 000000202F
主軸傳動Fanuc A22P/6K	PAGE 1 OF 1
DATE 2006/9/12	REV. A
SCALE 1:8	

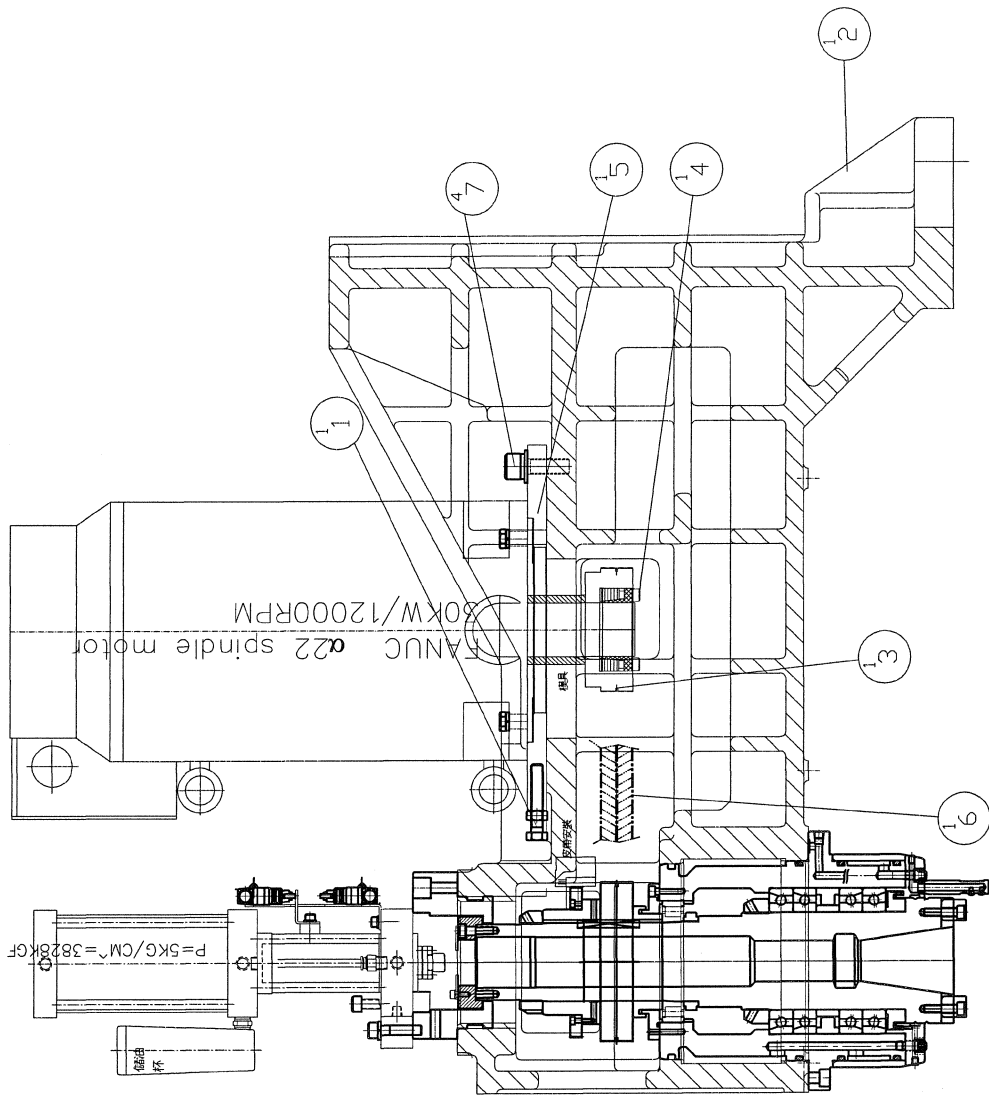
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 00000202F

Description: SPINDLE TRANSMISSION(A22P/6K)
主軸傳動(Fanuc A22P/6K)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0154228	HEX HD. FULL THD	六角頭螺絲	M12XP1.75XL70(FULL THD)	1.00	EA
2.00	GX 00026400F	HEADSTOCK	主軸箱	L1004XW654XH653	1.00	EA
3.01	GX 000317710F	EAGLE SPROCKET(50T)	人字皮帶輪(50T)	d55xd125.96xL48.5	1.00	ST
4.00	GX 00098132603	KEYLESS CONNECTION	錐形環鍵	SES-55(d55xD85xL33)	1.00	ST
5.00	NV 001066104D	SPINDLE MOTOR PLATE	主軸馬達座(配FANUC α 12)	L393XW274XH20	1.00	EA
6.00	NV 00033460111	EAGLE-BELT	人字形皮帶	W-1120	1.00	ST
7.00	NV 000399055A	PLATE	墊塊(M16 washer)	D Φ 32xd Φ 16.5xt6(M16 washer)	4.00	EA

REV	DESCRIPTION	DATE	ECK
A	源平修訂	2006/09/10	185



MODEL: GX 1300#50/1600#50	PART NUMBER	SCALE 1:1
PART NAME	GX 000000201F	REV. A
SPINDLE TRANSMISSION(A22P/8.2K)	PAGE 1 DF 1	
主軸傳動(A22P/8.2K)		
DATE 2006/9/12	SCALE 1:1	

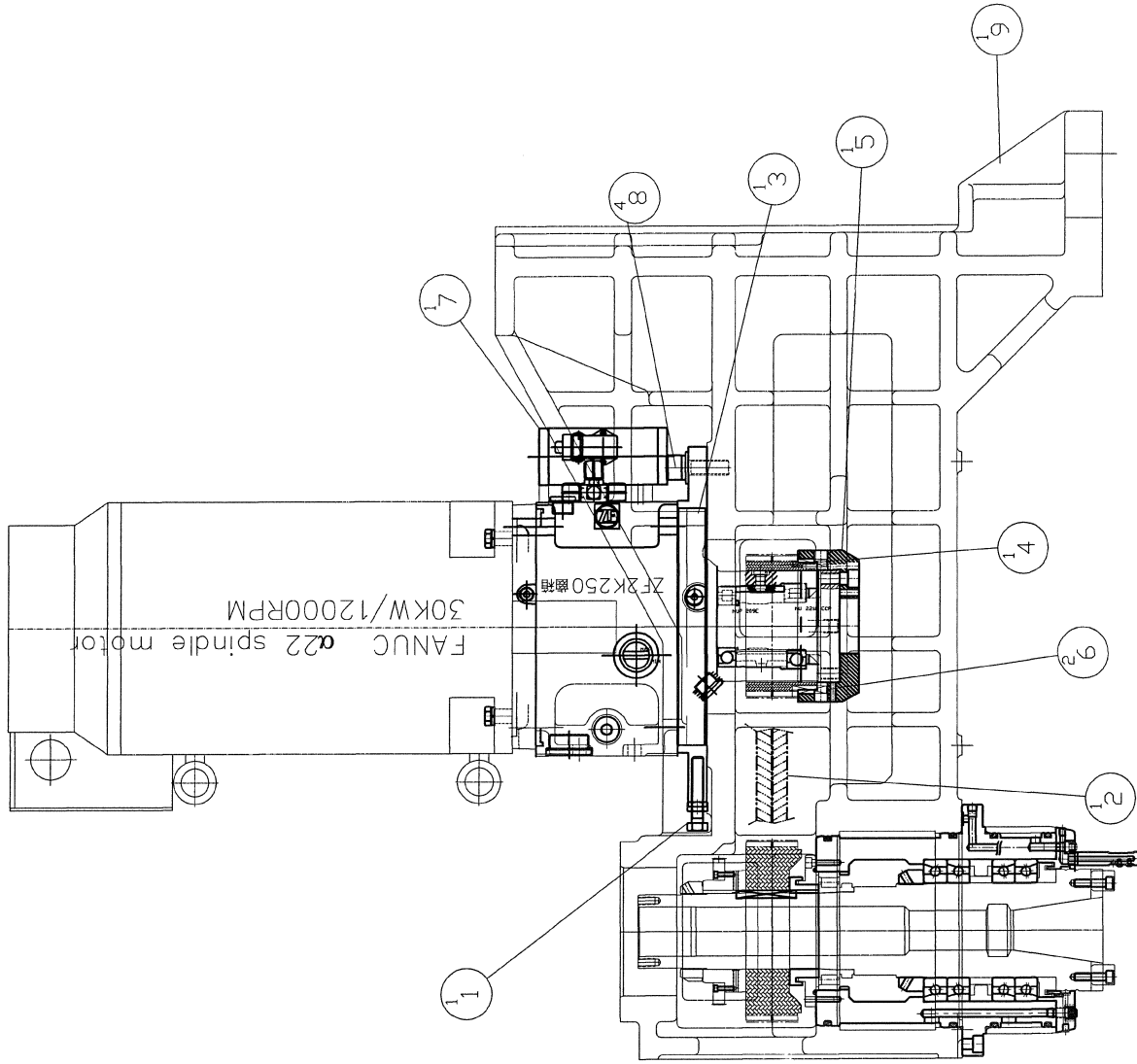
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000000201F

Description: SPINDLE TRANSMISSION,A22P/8.2K
主軸傳動(Fanuc A22P/8.2K)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0154228	HEX HD. FULL THD	六角頭螺絲	M12XP1.75XL70(FULL THD)	1.00	ST
2.00	GX 000026400F	HEADSTOCK	主軸箱	L1004XW654XH653	1.00	ST
3.01	GX 000317710F	EAGLE SPROCKET(50T)	人字皮帶輪(50T)	d55xd125.96xL48.5	1.00	ST
4.00	GX 00098132603	KEYLESS CONNECTION	錐形環鍵	SES-55(d155xD85xL33)	1.00	ST
5.00	NV 001066104D	SPINDLE MOTOR PLATE	主軸馬達座 (配FANUC α 12)	L393XW274XH20	1.00	EA
6.00	NV 00033460103	EAGLE-BELT	人字形皮帶	W-1000	1.00	ST
7.00	NV 000399055A	PLATE	墊塊(M16 washer)	Dφ 32xdφ 16.5xt6(M16 washer)	4.00	EA

REV	DESCRIPTION	DATE	ECN
A	機軸換装	2006/09/01	600



MODEL: GX 1300#50/1600#50	PART NUMBER	REV. A
PART NAME	GX 000000203FT	PAGE 1 OF 1
SPINDLE TRANSMISSION(HT)	機軸換装機箱	SCALE 1:8
DATE 2007/5/30	DATE	REV.

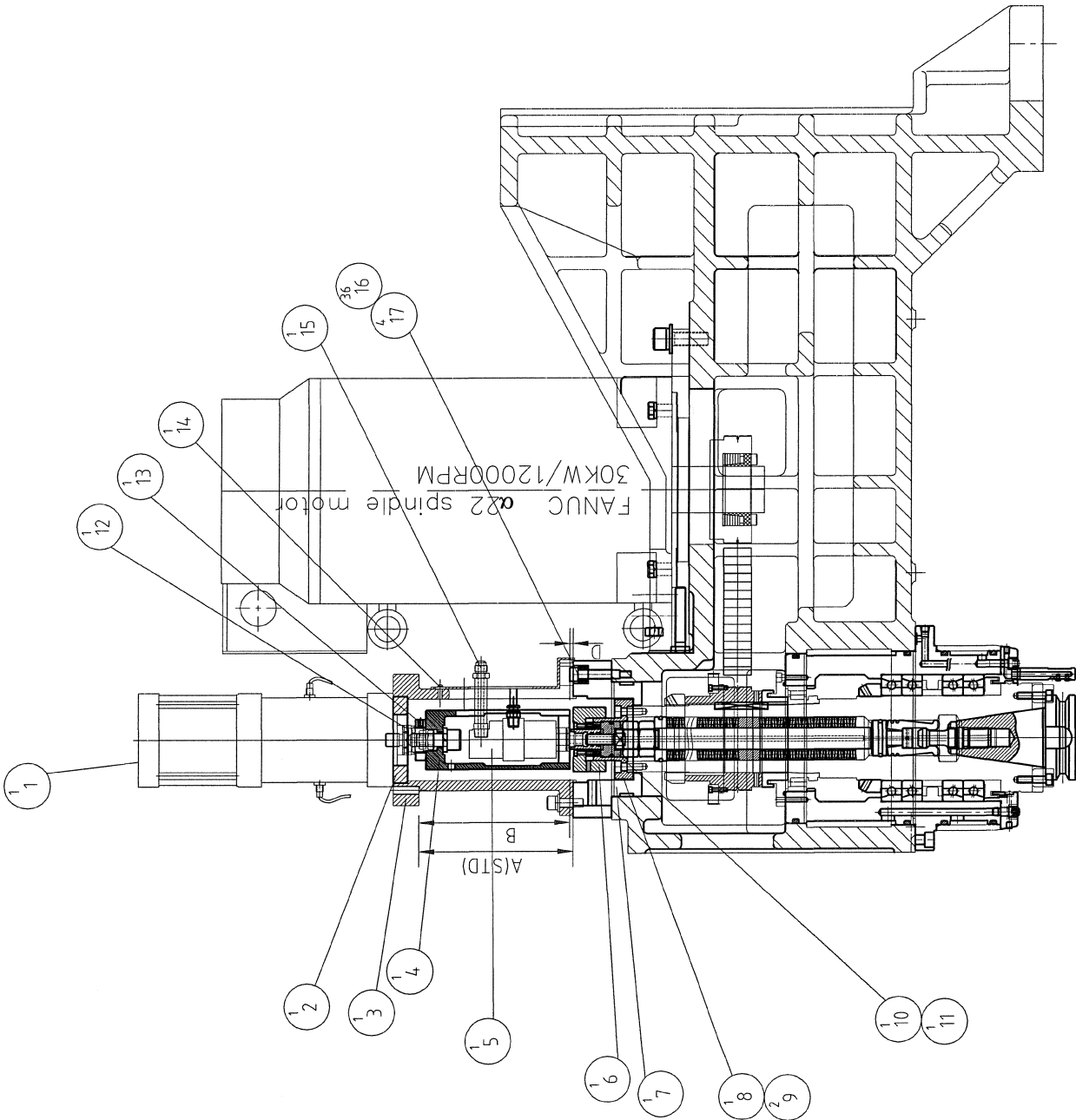
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 00000203FT

Description: SPINDLE TRANSMISSION(A22/HT)
主軸傳動(Fanuc A22/HT)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0154228	HEX HD. FULL THD	六角頭螺絲	M12XP1.75XL70(FULL THD)	1.00	EA
2.00	GX 00033460105	EAGLE-BELT	人字形皮帶	G-1190	1.00	ST
3.01	GX 001066112F	SPINDLE MOTOR PLATE,FIT ZF 2K2	主軸馬達座(配ZF 2K250)	L380xW274xH31.5	1.00	ST
4.00	GX 000317719F	EAGLE SPROCKET(34T)	馬達人字皮帶輪(34T)	D148.7xd118.1xH74.4	1.00	ST
5.00	GX 000317721F	BUSHING, MOTOR EAGLE SPROCKET(	馬達齒帶輪襯套(高扭力)	D160xd58xH63.8	1.00	ST
6.00	GX 00061150101	SUNK KEY	(雙圓頭鍵)平行鍵	W12xL36xH8	2.00	ST
7.00	GX 000619900D	GEAR BOX ASSEMBLY, W/FANUC a22	變速箱(齊齒),配FANUC a22	[ZF]4161-071-304,TYPE 2K250	1.00	ST
8.00	NV 000399055A	PLATE	墊塊(M16 washer)	D Φ32xdΦ16.5xt6(M16 washer)	4.00	EA
9.00	GX 000026400F	HEADSTOCK	主軸箱	L1004XW654XH653	1.00	EA

REV	DESCRIPTION	DATE	ENR
A	新設計承認	2006/10/13	



MODEL	GX 1300#50/1600#50
PART NAME	SPINDLE TRANSMISSION(Fanuc w/CTS) 主軸傳動(Fanuc w/CTS)
PART NUMBER	GX 000000302F
PAGE	1 OF 1
REV	A
DATE	2006/10/13
SCALE	1:8

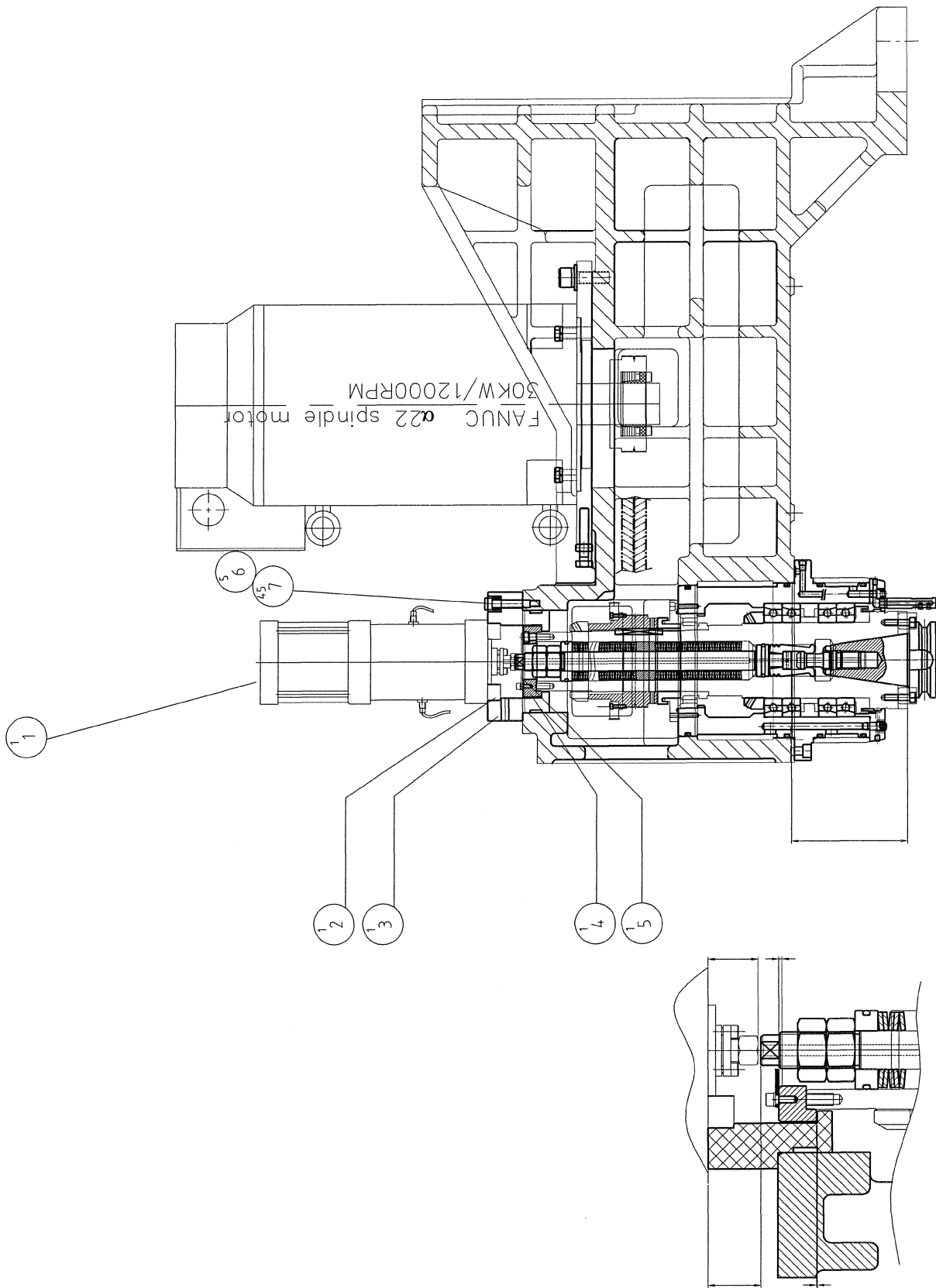
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000000302F

 Description: CLAMPING SYSTEM(w/ CTS)
 打刀機構(w/ CTS)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000291700D	BOOSTER CYLINDER	增壓缸	[臻賞]G-6000打刀缸	1.00	EA
2.00	NV 000048102A	BUSHING	襯套	D102Xd60xL17	1.00	ST
3.00	NV 000981306A	RING, THR SPD COOLANT	拉環(中心給水)	D180Xd96XL216	1.00	EA
4.00	NV 001042102A	CONTACT BLOCK	接觸塊	D76Xd18XL170	1.00	EA
5.00	NV 00090810102	ROTARY COOLANT UNION(12000RPM)	切削水旋轉接頭(12000RPM)	DEUBLIN 1109-020-188	1.00	ST
6.00	NV 001066110F	SEAT, THR SPD COOLANT	支撐座	D76Xd25XL39	1.00	EA
7.00	NV 000981300F	RING	拉環	D185Xd80xL82	1.00	EA
8.00	NV 001042101F	ADAPTER, ROTATING UNIONS	旋轉接頭座(#50)	D94Xd12.2XL76.1	1.00	EA
9.00	NV 00094310106	O-RING	O型油環	[JIS] P12 (MADE IN JAPAN)	2.00	EA
10.00	NV 001042100F	ADAPTER, THR SPD COOLANT	連結座(#50)	D42Xd12.2xD42	1.00	EA
11.00	NV 00094310117	O-RING	O型油環	[JIS] P36 (MADE IN JAPAN)	1.00	EA
12.00	NV 001042103A	ADAPTER, THR SPD COOLANT	接頭	D34.5Xd14XL56	1.00	EA
13.00	NV 000049206A	LOCKNUT	鎖緊螺帽	[SHIANG KAI]M30X1.5	1.00	EA
14.00	NV 000199065A	BRACKET, COOLANT PIPE	接頭固定板	L170XW36XH55	1.00	EA
15.00	NV 001010900A	PIPE, THR SPD COOLANT	水管接頭	D17Xd6.5XL90	1.00	EA
16.00	NV 000733501	DISK SPRING	碟型彈簧	D20Xd10.2xL1.35(H0.8)	36.00	EA
17.00	NV 000668400A	BOLT, SPINDLE	螺栓[凸肩螺絲]	M10X50	4.00	EA

REV	DESCRIPTION	DATE	ECN
A	新开发	2006/10/13	



MODEL	GX 1300#50/1600#50
PART NAME	SPINDLE TRANSMISSION(Fanuc w/o CTS) 主轴传动(Fanuc w/o CTS)
PART NUMBER	GX 00000030IF
DATE	2006/10/13
SCALE	1:8
PAGE	1 OF 1
REV	A

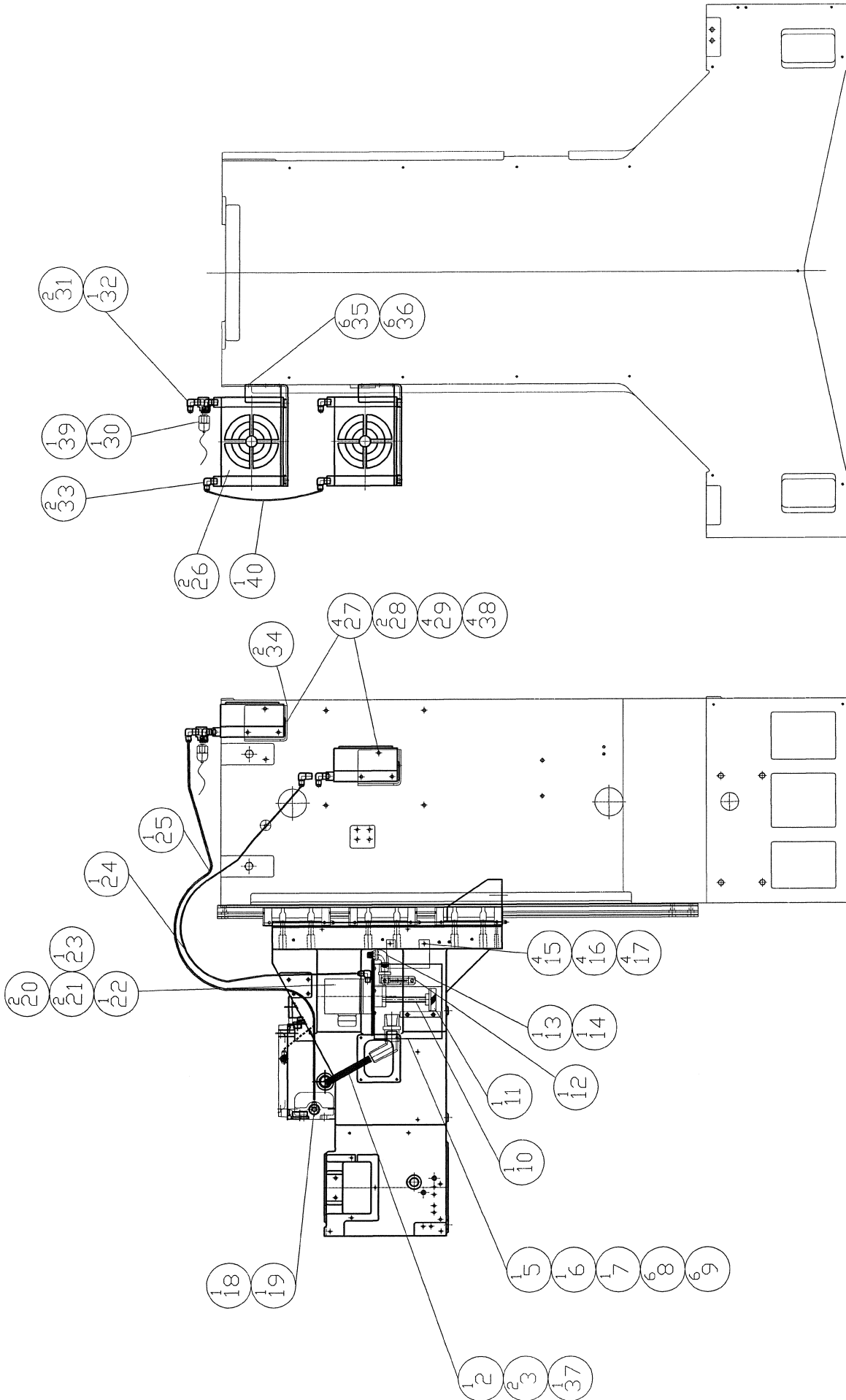
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 00000301F

Description: CLAMPING SYSTEM(w/o CTS)
打刀機構(w/o CTS)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000291700D	BOOSTER CYLINDER	增壓缸	[臻賞]G-6000打刀缸	1.00	EA
2.00	NV 000048102A	BUSHING	襯套	D102Xd60xL17	1.00	ST
3.00	NV 000981300F	RING	拉環	D185Xd80xL82	1.00	EA
4.00	NV 000981302F	RING	拉環	D94Xd47XL24.8	1.00	EA
5.00	NV 000199000F	PLATE, SPINDLE	固定板	D75Xd25XL2.3	1.00	EA
6.00	NV 000668400A	BOLT, SPINDLE	螺栓[凸肩螺絲]	M10X50	5.00	EA
7.00	NV 000733501	DISK SPRING	碟型彈簧	D20Xd10.2xL1.35(H0.8)	45.00	EA

REV	DESCRIPTION	DATE	ECN
A	新規格	2007/6/1	602



MODEL	GX 1300/GX 1600
PART NAME	LUBRICATION SYSTEM, ZF GEAR BOX
PART NUMBER	GX 000331004DT
DATE	2007/6/1
SCALE	1:1
REV	A
PAGE	1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000331004DT

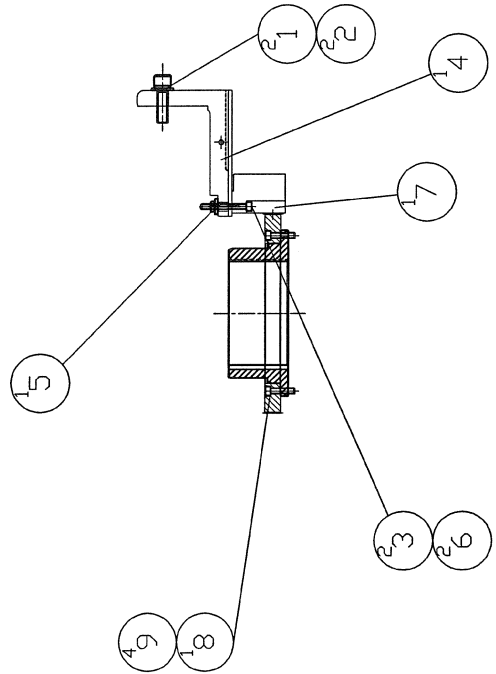
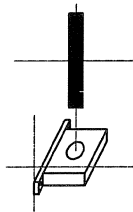
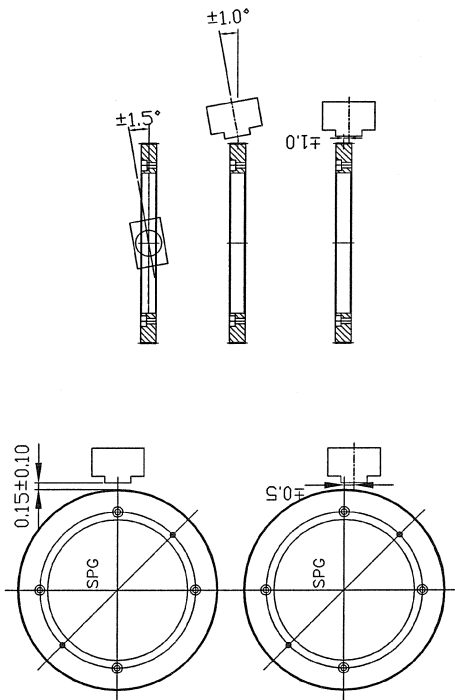
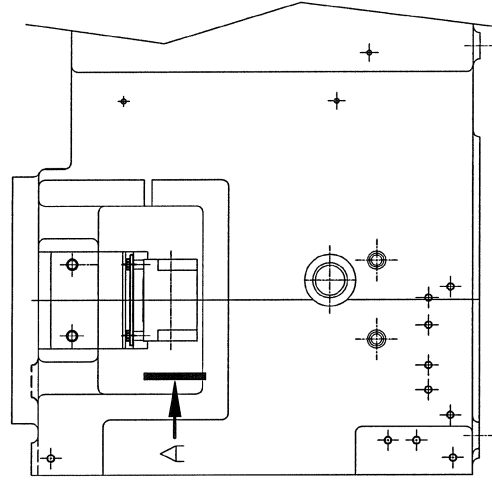
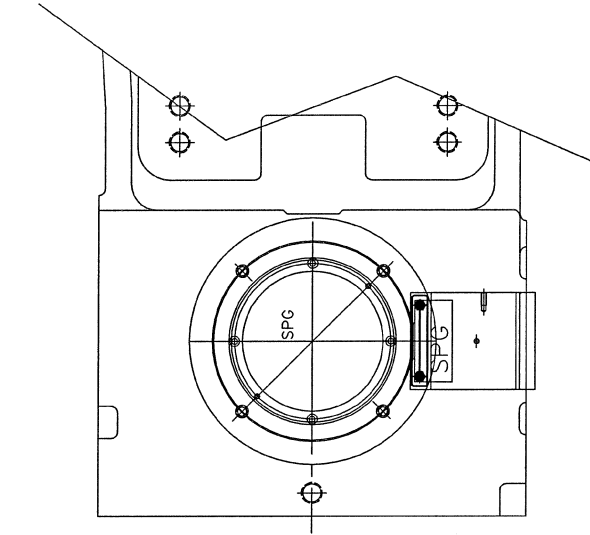
 Description: LUBRICATION SYSTEM, ZF GEAR BO
 齒輪箱潤滑油系統

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
2.00	NV 00069650128	90 DEGREE HOSE, ZF GEARBOX	90度耐油橡膠管	HOSE Φ 1-1/4", L=260	1.00	EA
3.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	2.00	EA
5.00	GX 000399029D	LUBRICATE TANK, W/ZF GEARBOX	潤滑油箱(配ZF齒輪箱)	L190xW170xH135	1.00	ST
6.00	NVA000299094A	TOP COVER, LUBRICATE TANK	潤滑油箱上蓋(高扭力用)	L131xW166xH3	1.00	EA
7.00	NVA001011602A	PLASTIC SHIELD, LUBRICATE TANK	防漏橡膠片	L166xW131xH3.175	1.00	EA
8.00	MS 0103516	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M5xP0.8xL12	6.00	EA
9.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
10.00	NV 00077030222	NIPPLE, STRAIGHT	直接頭	PT1/4xPT1/4-120L	1.00	EA
11.00	NV 001161405A	FILTER	扁型濾油網	[Tswu Kwan] D63XH30	1.00	EA
12.00	NV 00113180104	GAUGE LEVEL	油面計	OA-3" (Acry)	1.00	EA
13.00	NV 00077031511	ELBOW, 90 DEG	90度肘管接頭	PT1/2" male XPT1/2" Female	1.00	EA
14.00	NV 00113350106	MUFFLER, BREATHER	消音器	PT1/2" (SL-04)	1.00	EA
15.00	MS 0103618	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL20	4.00	EA
16.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
17.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
18.00	NV 001010902A	FITTING, LUBRICATION INLET	潤滑油入油管接頭	D20Xd14.5xL57	1.00	EA
19.00	NV 00077031512	ELBOW, 90 DEG MALE	90度雙外牙肘管接頭	PT3/8"X7/16-20UNF	1.00	EA
20.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
21.00	MS 0103420	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M4xP0.7xL30	2.00	EA
22.00	NV 00033250202	PUMP, LUBRICATION SYSTEM	潤滑油泵浦	[Tswu Kwan] TK160	1.00	ST

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
23.00	NV 00077031510	ELBOW,90 DEG MALE	90度肘管接頭	PT1/4"maleX7/16"-20UNF male	1.00	EA
24.00	NV 00069650113	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	HOSE 7/16-20UNFX2.4M	1.00	EA
25.00	NV 00069650113	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	HOSE 7/16-20UNFX2.4M	1.00	EA
26.00	NV 00001300103	HEAT EXCHANGER, ZF GEARBOX	熱交換器	[Jang Maw DRC-JM]	2.00	ST
27.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	4.00	EA
28.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
29.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
30.00	NV 00117360104	PRESSURE SWITCH	壓力開關(高扭力使用)	0.1~1kg/cm2 [Tswu Kwan](PMMN1A	1.00	EA
31.00	NV 00077031512	ELBOW, 90 DEG MALE	90度雙外牙肘管接頭	PT3/8"X7/16-20UNF	2.00	EA
32.00	NV 00077031601	TEE ADAPTER, FEMALE&MALE	內外牙三通	PT3/8mxPT3/8fxPT1/4f	1.00	EA
33.00	NV 00077031512	ELBOW, 90 DEG MALE	90度雙外牙肘管接頭	PT3/8"X7/16-20UNF	2.00	EA
34.00	NV 000399056A	SUPPORTER, HEAT EXCHANGER	熱交換器支撐架(高扭力用)	L172xW190xH105	2.00	ST
35.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	6.00	EA
36.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	6.00	EA
37.00	NV 00077030517	CONNECTOR	62度插心直接頭	PT1"Xφ 11/4" (62 degree)	1.00	EA
38.00	MN 0113610	HEXAGON NUT	六角螺帽	M6xP1.0	4.00	EA
39.00	NV 00077031215	BUSHING	卜申接頭	PT1/4"mxPT1/8"f	1.00	EA
40.00	NV 00069650134	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	HOSE 7/16-20UNFX0.7M	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	原形検査	2006/11/22	212



A-VIEW

MODEL: GX 1300#50/GX 1600#50	PART NUMBER
PART NAME	GX 001178001F
SPINDLE ORIENTATION	PAGE 1 OF 1
主轴方位	REV. A
DATE 2006/11/22	SCALE 1/6

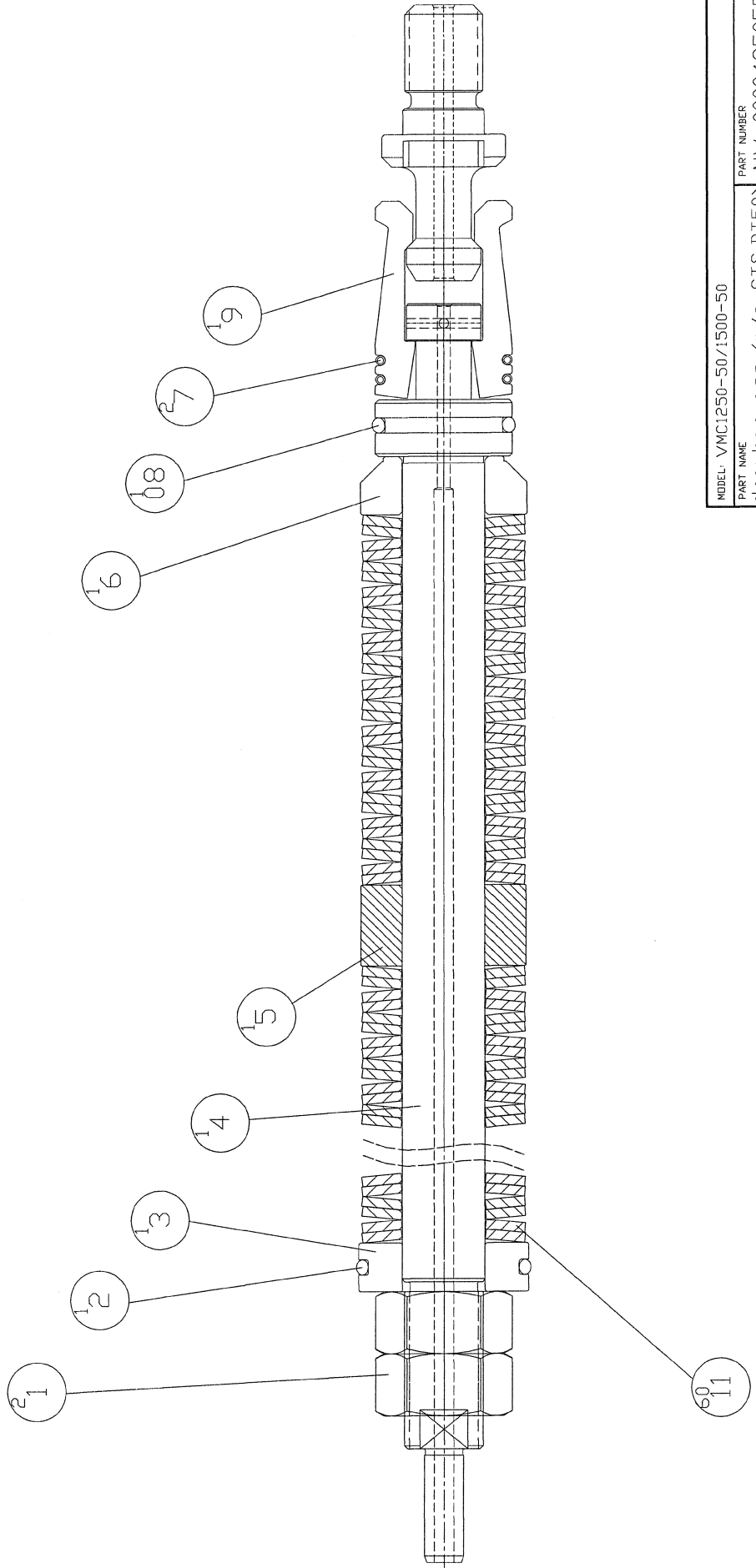
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 001178001F

Description: SPINDLE ORIENTATION
主軸定位

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0103820	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	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	六角六圓頭螺絲	M4xP0.7xL30	2.00	EA
4.00	GX 001066102F	BRACKET,ENCODER	計速器固定座	L97xW74.9xH74	1.00	ST
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	NV 00081480001	SPEED MAGNETIC SENSOR	主軸速度檢出器	MSK-015-1024-08(SUMTAK)	1.00	EA
8.00	NV 000620000F	GEAR, ENCODER	主軸計數器檢測齒輪(0.4M/384T)	SUMTAK MSK-015-1024-08	1.00	EA
9.00	MS 0103418	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M4xP0.7xL20	4.00	EA

REV	DESCRIPTION	DATE	EGN.
A		2005/12	INV051
B		2005/14	INV052



MODEL: VMC1250-50/1500-50	PART NUMBER
PART NAME	NV 000048505F
0/a.w/a.r a.s.s.m(w/o C.T.S,B.T50)	PAGE 1 OF 1
主軸組立群<中心給水, B.T50>	REV. B
DATE 2003/11/16	SCALE 1:2

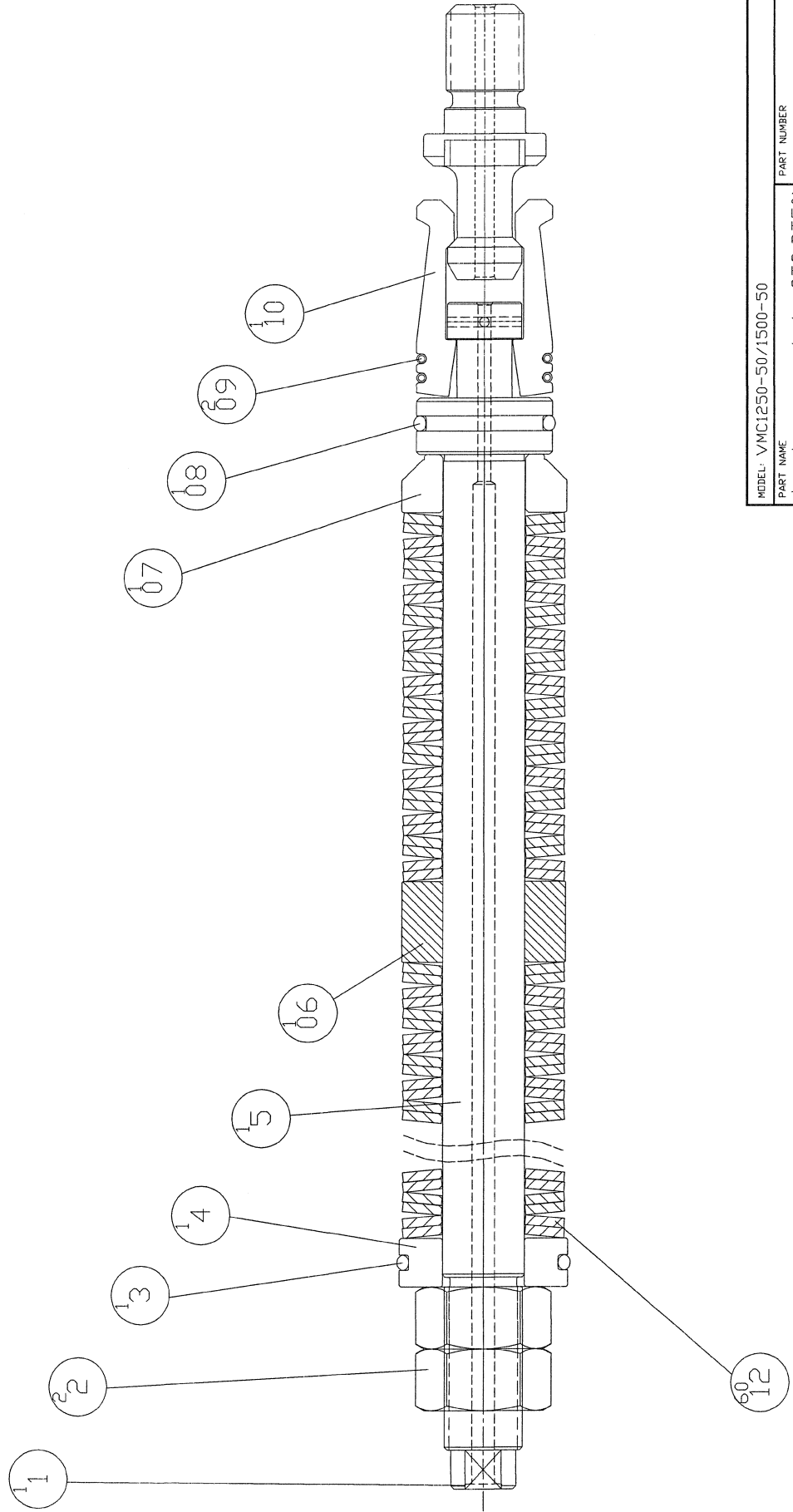
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000048505F

 Description: DRAWBAR (W/O CTS BT50)
 主軸拉桿(中心給水,BT50)

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MN 0115310	六角螺帽	M24xP3.0	2.00	EA
2.00	NV 00094310132	O-RING	[NOK] 4DP46(VITON)	1.00	EA
3.00	NV 000048100F	BUSHING	D51.9Xd25.2XL15	1.00	ST
4.00	NV 000048001F	DRAWBAR(W/ CTS)	D42Xd4xL387.2	1.00	ST
5.00	NV 000179955F	SPACER OF DISK SPRING	D50.5Xd25.2XH25	1.00	EA
6.00	NV 000417304F	WASHER, THRUST	D50.4Xd25.4XL18	1.00	EA
7.00	NVA000733516	SPRING, RETENTION KNOB	D2.9xd1.95xL87	2.00	EA
8.00	NV 00094310131	O-RING	[NOK] 4DP36(VITON)	1.00	EA
9.00	NV 000806300F	HOLDER, RETENTION KNOB	D42Xd17.5XL60.5	1.00	EA
11.00	NV 00073350108	DISK SPRING	[SCHNORR]D50Xd25.4XL4.1(T=3)(S)	60.00	EA

REV	DESCRIPTION	DATE	ECN
A		2003/12	INV051
B		2003/12	INV052



MODEL: VMC1250-50/1500-50	PART NUMBER
Drawbar assm(w/o CTS,BT50)	NV 000048501F
主車柱桿<無中心給水, BT50>	PAGE 1 OF 1
DATE: 2003/11/16	REV. B
	SCALE: 1:2

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: NV 000048501F

Description: DRAWBAR ASSM(W/O CTS BT50)
主軸拉桿(無中心給水,BT50)

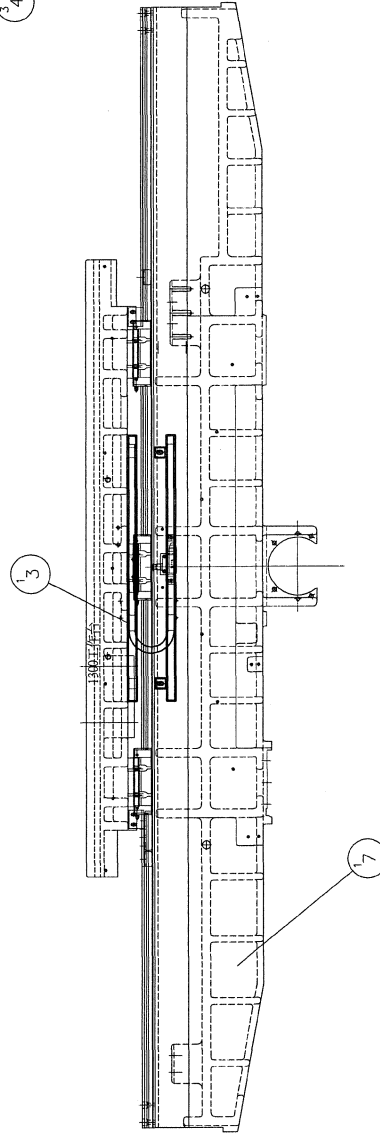
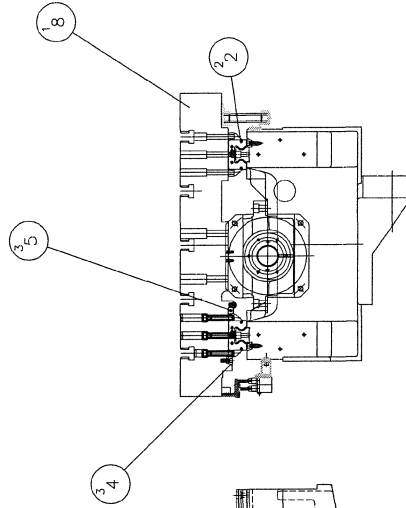
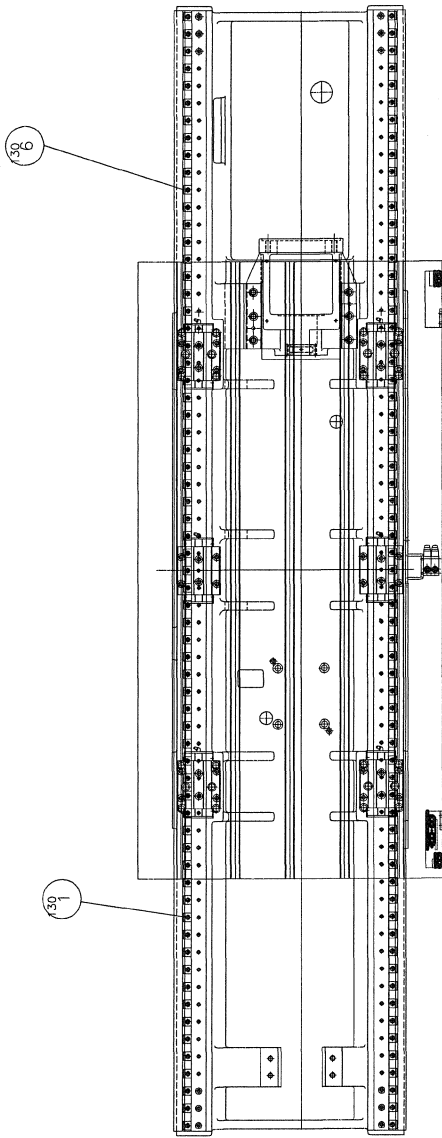
Item Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00 NV 00094310101	O-RING	O型油環	[JIS] P8, Hs70 (NOK)	1.00	EA
2.00 MN 0115310	HEXAGON NUT	六角螺帽	M24xP3.0	2.00	EA
3.00 NV 00094310132	O-RING	O型油環	[NOK] 4DP46(VITON)	1.00	EA
4.00 NV 000048100F	BUSHING	襯套	D51.9Xd25.2XL15	1.00	ST
5.00 NV 000048000F	DRAWBAR(W/O CTS)	拉桿(無中心給水)	D42Xd4xL366.2	1.00	ST
6.00 NV 000179955F	SPACER OF DISK SPRING	碟型彈簧間隔環	D50.5Xd25.2XH25	1.00	EA
7.00 NV 000417304F	WASHER, THRUST	墊圈	D50.4Xd25.4XL18	1.00	EA
8.00 NV 00094310131	O-RING	O型油環	[NOK] 4DP36(VITON)	1.00	EA
9.00 NVA000733516	SPRING, RETENTION KNOB	抓刀彈簧	D2.9xd1.95xL87	2.00	EA
10.00 NV 000806300F	HOLDER, RETENTION KNOB	BT50抓刀爪	D42Xd17.5XL60.5	1.00	EA
12.00 NV 00073350108	DISK SPRING	碟型彈簧(珠擊)	[SCHNORR]D50Xd25.4XL4.1(T=3)(S	60.00	EA

Chapter 2

XYZ 結構

XYZ Structure

REV	DESCRIPTION	DATE	ECH
A	実行承認	2006/7/28	



MODEL: GX 1300

PART NAME

X-AXIS POSITIONING

X轴定位

PART NUMBER

GX 000004601D

PAGE

1 OF 1

REV.

A

SCALE

1:22

DATE

2006/9/5

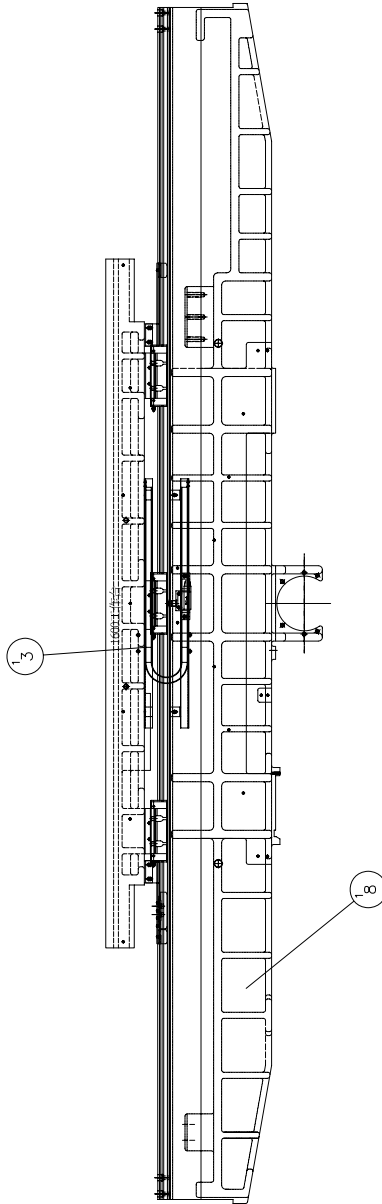
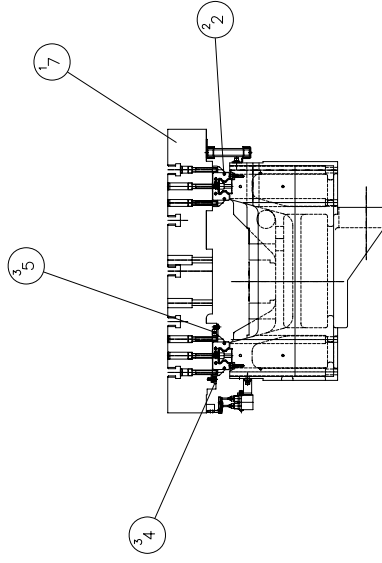
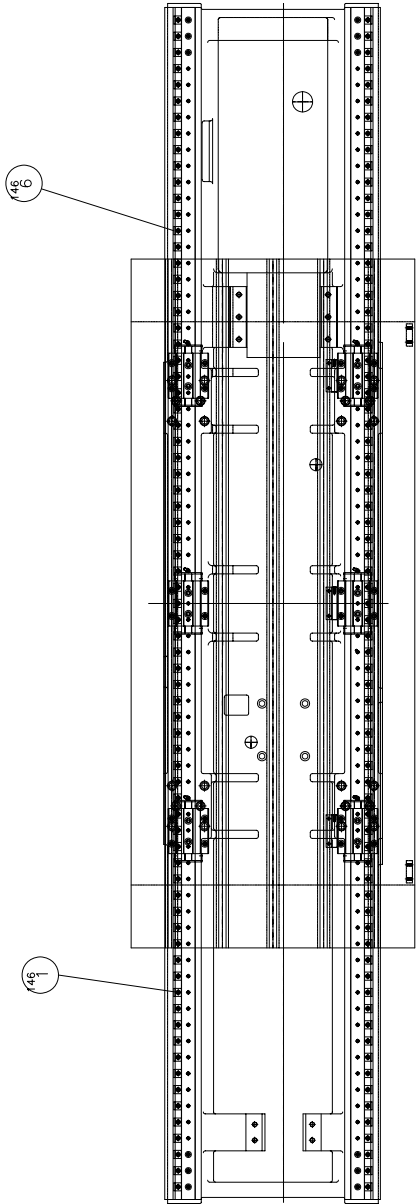
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004601D

Description: X-AXIS POSITIONING
X軸定位

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	130.00	EA
2.00	GX 000831600D	LINEAR GUIDE, X AXIS	X軸線性滑軌	[NSK]RA352587GMC3B01P63	2.00	ST
3.00	GX 001162300D	UTILITY CARRIER, X-AXIS	X軸運動護管	坤溢CBC-00C-13x13-105-STROKE1300	1.00	ST
4.00	NV 001059001D	RETAINER, WEDGE	楔塊	L80xW18.5xH9.5	3.00	ST
5.00	NV 000648101D	GIB, GUIDE TRUCK	調整塊	L80xW10xH15	3.00	ST
6.00	NV 001059000D	RETAINER, WEDGE	楔塊	L20xW18.5xH9.5	130.00	ST
7.02	GX 000195400D	SADDLE	鞍座	L2607xW381.5xH540	1.00	ST
8.00	GX 000196400D	TABLE	工作台	L1425xW700xH118.7	1.00	ST

REV	DESCRIPTION	DATE	ECN
A	新戶改修	2006/7/28	



MODEL: GX 1600	PART NUMBER	GX 000004601E
PART NAME	X-AXIS POSITIONING	
DATE 2006/9/5	PAGE	1 OF 1
SCALE 1:20	REV.	A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004601E

Description: X-AXIS POSITIONING

X軸定位

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	146.00	EA
2.00	GX 000831600E	LINEAR GUIDE, X AXIS	X軸線性滑軌	[NSK]RA352942GMC3B01P63	2.00	ST
3.00	GX 001162300E	UTILITY CARRIER,X AXIS	X軸連動護管	坤溢CBC-00C-13x13-105-STROKE1600	1.00	ST
4.00	NV 001059001D	RETAINER, WEDGE	楔塊	L80xW18.5xH9.5	3.00	ST
5.00	NV 000648101D	GIB, GUIDE TRUCK	調整塊	L80xW10xH15	3.00	ST
6.00	NV 001059000D	RETAINER, WEDGE	楔塊	L20xW18.5xH9.5	146.00	ST
7.00	GX 000196400E	TABLE	工作台	L1700xW700xH119	1.00	EA
8.02	GX 000195400E	SADDLE	鞍座	L2962xW381.5xH540	1.00	ST

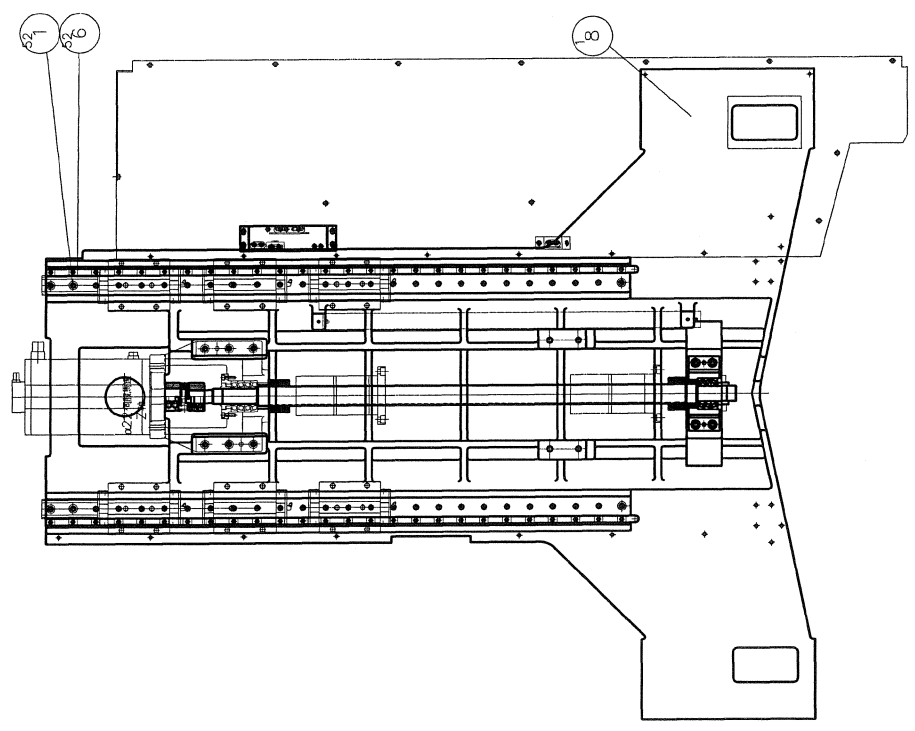
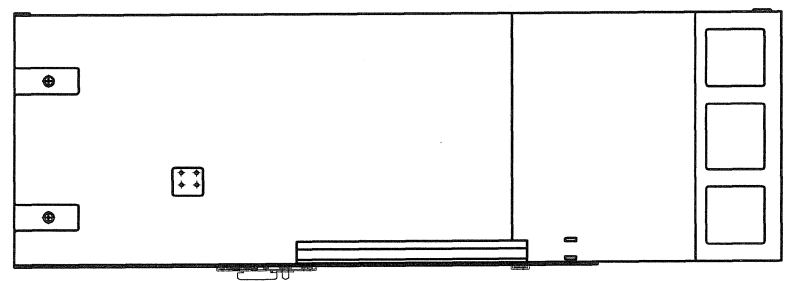
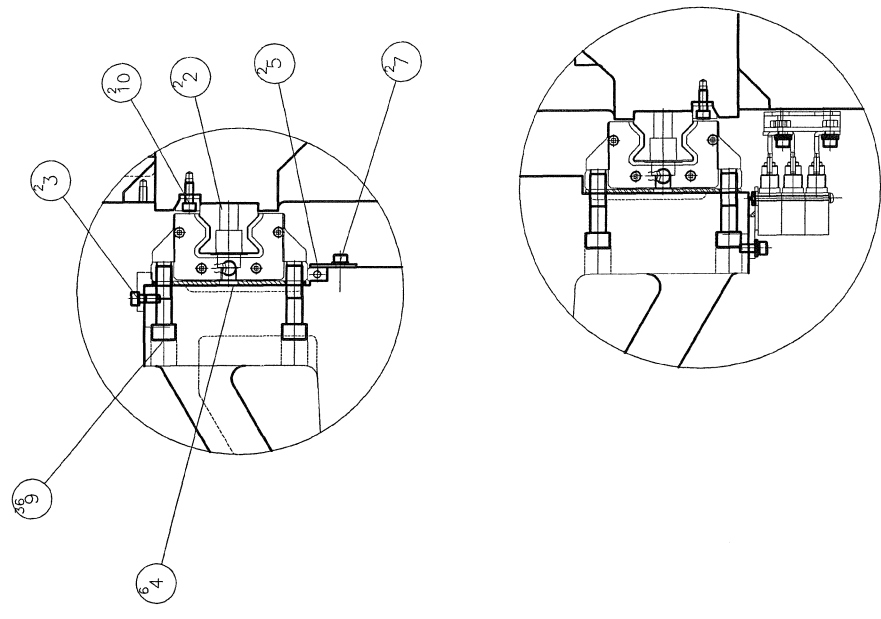
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004603D

Description: Y-AXIS POSITIONING
Y軸定位

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0104222	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M12XP1.75XL40	52.00	EA
2.00	GX 000831601D	LINEAR GUIDE,Y AXIS	Y軸線性滑軌	[NSK]RA451405GMC2B01P63	2.00	ST
3.00	GX 000048000D	BALLSCREW	Y軸護蓋導桿	D30xL223.5	2.00	EA
4.02	GX 000048100D	BUSHING	Y護蓋襯套	D63xd32xL140	2.00	EA
5.01	GX 000199015D	BLOCK, WAYCOVER	軌道塊	L120xW88xH10	2.00	EA
6.00	GX 001108312D	SHIM,Y-AXIS TRUCK	Y軸墊片	L134xW84xT0.23	4.00	EA
7.00	GX 001108322D	SHIM,Y-AXIS TRUCK	Y軸墊片	L134xW33xT0.23	4.00	EA
8.01	GX 000668400D	SCREW	固定螺絲	M12xL30xd3	2.00	EA
9.01	GX 001162301D	UTILITY CARRIER,Y-AXIS	Y軸連動護板	L1052xW73xT0.5	1.00	EA
10.01	GX 001162302D	FIX BAR,UTILITY CARRIER	U型固定桿	L65xH59xD4	16.00	EA
11.00	NV 001059000D	RETAINER, WEDGE	楔塊	L20xW18.5xH9.5	52.00	EA
12.00	NV 00120690107	Self-lubricating bearing	自潤軸承	4030	2.00	EA
13.00	NV 00101160130	OIL SEALER	防塵油封	NOK[DSI] 30(30x38xH6)	2.00	EA
14.01	BL 000691600A	BUMPER	止動環	d30xD50xL20	2.00	EA
15.00	GX 000733500D	TENSIONAL SPRING	拉力彈簧	D21.2xd2.5xL250	2.00	EA
16.01	GXA000199022D	PLATE,Y-AXIS	Y前固定板	L1540xW90xH11	1.00	EA
17.00	NV 000599059J	WASHER,TOOL CLAMPING	墊片	D25Xd6.6XH3	2.00	EA
18.00	MN 0113410	HEXAGON NUT	六角螺帽	M4xP0.7	32.00	EA

REV	DESCRIPTION	DATE	EDN.
A	新仕様 DRAWING	2006/9/4	171



MODEL: GX 1300#40/#50 GX 1600#40/#50	
PART NAME	Z-axis positioning Z軸定位
PART NUMBER	GX 000004701D
DATE	2006/9/4
SCALE	1:18
PAGE	1 OF 1
REV.	A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

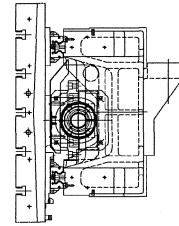
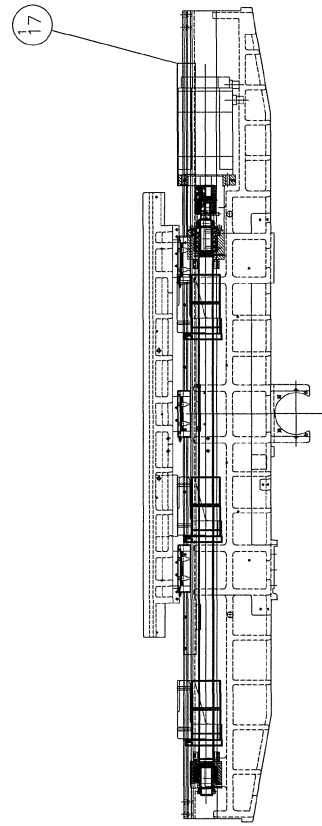
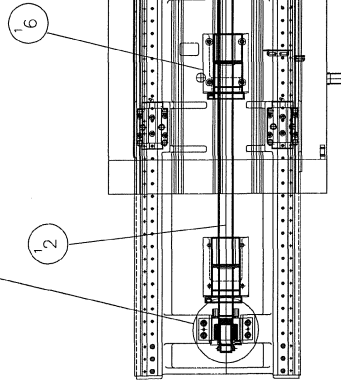
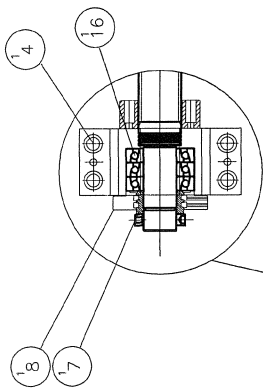
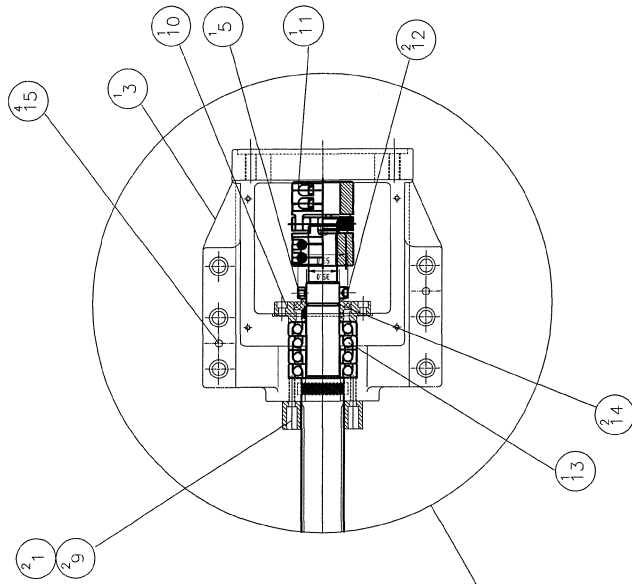
Master Item Part NO.: GX 000004701D

Description: Z-AXIS POSITIONING

Z-AXIS定位

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0103820	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M8xP1.25xL30	52.00	EA
2.00	GX 000831602D	LINEAR GUIDE,Z AXIS	Z軸線性滑軌	[NSK]RA451353GMC3B01P63	2.00	ST
3.00	GX 000199021D	RETAINER, TRUCK	Z軸滑塊壓板	L127xW30xH10	2.00	ST
4.00	GX 001108300D	SHIM,Z-AXIS TRUCK	Z軸墊片	L134xW119xT2.76	6.00	ST
5.00	NV 000648101D	GIB, GUIDE TRUCK	調整塊	L80xW10xH15	2.00	ST
6.00	NV 001059000D	RETAINER, WEDGE	楔塊	L20xW18.5xH9.5	52.00	ST
7.00	NV 000199038A	RETAINER, GIB SHIM	壓板	L76xW32xH2.3	2.00	ST
8.02	GX 000184300D	COLUMN	立柱	L1768xW1510xH587	1.00	ST
9.00	MS 0104223	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M12XP1.75XL45	36.00	EA
10.00	NV 001059001D	RETAINER, WEDGE	楔塊	L80xW18.5xH9.5	2.00	EA

REV.	DESCRIPTION	DATE	EN.
A	零件承認	2006/10/24	236
B	增加#17 (GX 001011542D)	2007/6/10	563



MODEL: GX 1300#40/#50

PART NAME X-AXIS TRANSMISSION(FANUC)

PART NUMBER GX 000004602D

DATE 2006/10/24

SCALE 1:25

REV. A

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REV. A

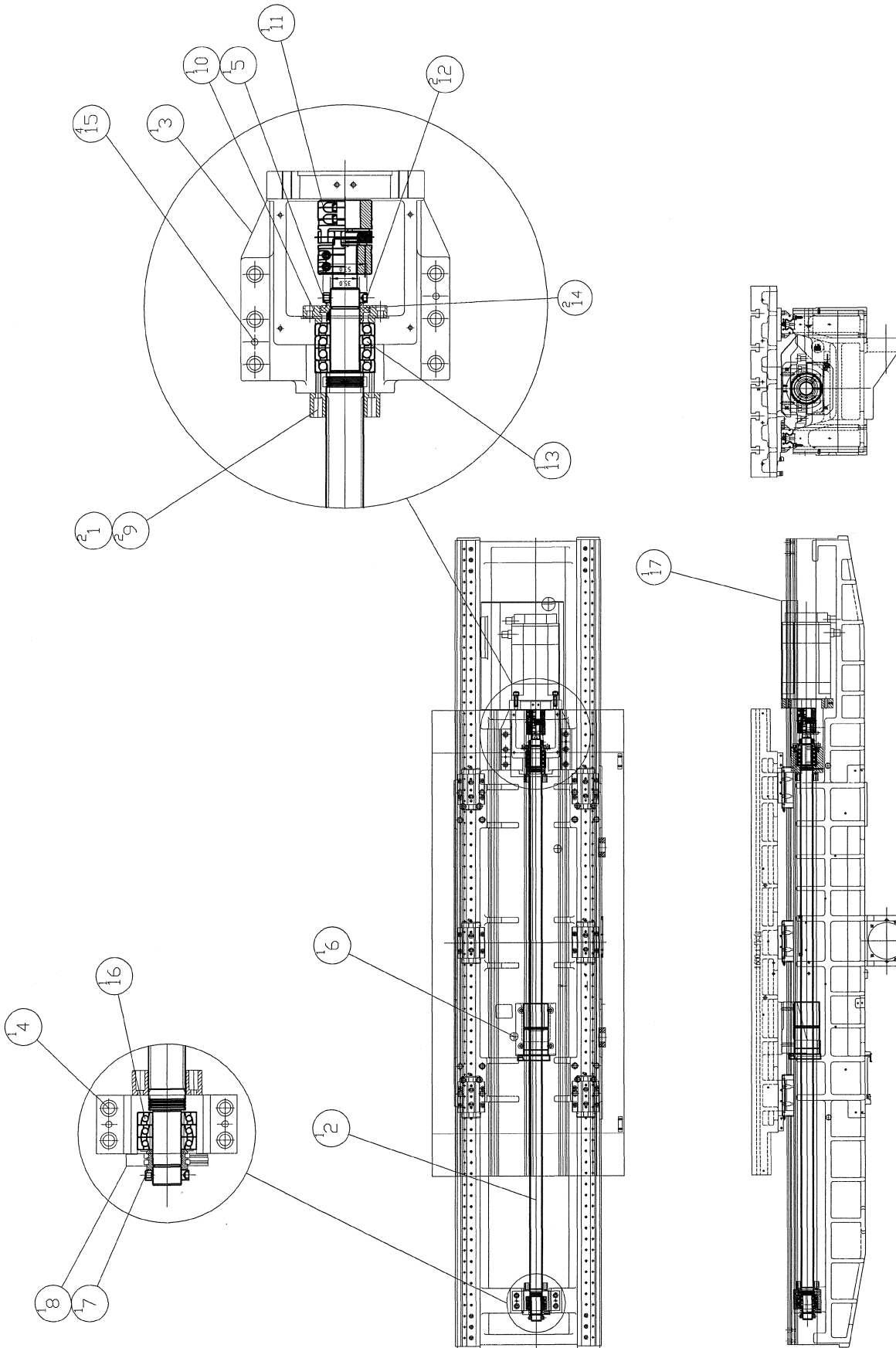
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004602D

Description: X-AXIS TRANSMISSION(FANUC)
X軸傳動(FANUC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
2.01	GX 000190200D	BALL SCREW, X-AXIS	X軸滾珠導螺桿	[PMIJ]R45-12D1-FDWE-1593-1905-C	1.00	ST
3.00	NVA001066100D	SEAT, XYZ AXIS MOTOR(FANUC)D45	XYZ軸馬達座(FANUC)D45	L254xW182xH270	1.00	ST
4.00	NVA001117600D	HOUSING, BEARING(D45)	XYZ軸承座(D45)	L172xW101xH71	1.00	ST
5.00	NV 000179920D	SPACER, SUPPORT BRG(HI-TORQUE)	間隔圈(高扭力)	D60xd35xL25	1.00	ST
6.00	NV 001066103D	BRACKET, BALLSCREW	導桿托架	L190xW146xH140.8	1.00	ST
7.00	NVA000179902D	SPACER	間隔圈	D50xd35xL25	1.00	ST
8.00	NVA001011554D	COVER,BALLSCREW	軸承座蓋	D100xd50.5xL20	1.00	ST
9.00	NVA000691601D	BUMPER	止動環	D85xd47xL30	2.00	ST
10.00	NV 001011508D	COVER,BALLSCREW	馬達座蓋	D102xd56xL21.5	1.00	ST
11.00	NV 001179204D	COUPLING(XYZ-AXIS)	聯軸器(XYZ-AXIS)	[KTR] GS38/45 98 ShA Spider (b	1.00	ST
12.00	NV 000049220D	LOCKNUT	鎖緊螺帽	[MR]M35x1.5	2.00	ST
13.00	NV 00002660114	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFFC10PN7B (4PCS/	1.00	ST
14.00	NV 00094310314	O-RING	O型油環	S32	2.00	ST
15.00	NV 00032530104	TAPER PIN	斜銷	D8x60L	4.00	ST
16.00	NV 00002660115	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFFC10PN7B (3PCS/	1.00	ST
17.00	GX 001011542D	MOTOR COVER,X-AXIS(FANUC)	X軸馬達護蓋(FANUC)	L570xW301.6xH58.2	1.00	ST

REV	DESCRIPTION	DATE	EDN
A	客户标准	2006/10/24	236



MODEL: GX 1600

PART NAME: X-AXIS TRANSMISSION(FANUC)
 PART NUMBER: GX 000004602E

PAGE 1 OF 1

REV. A

SCALE 1:22

DATE 2006/10/24

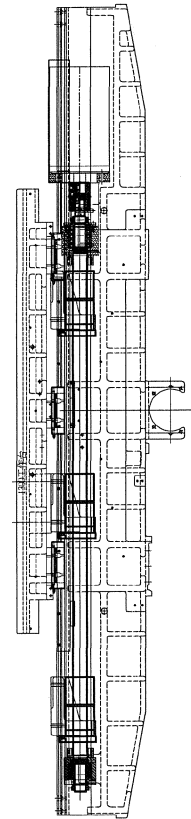
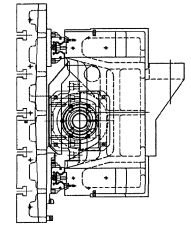
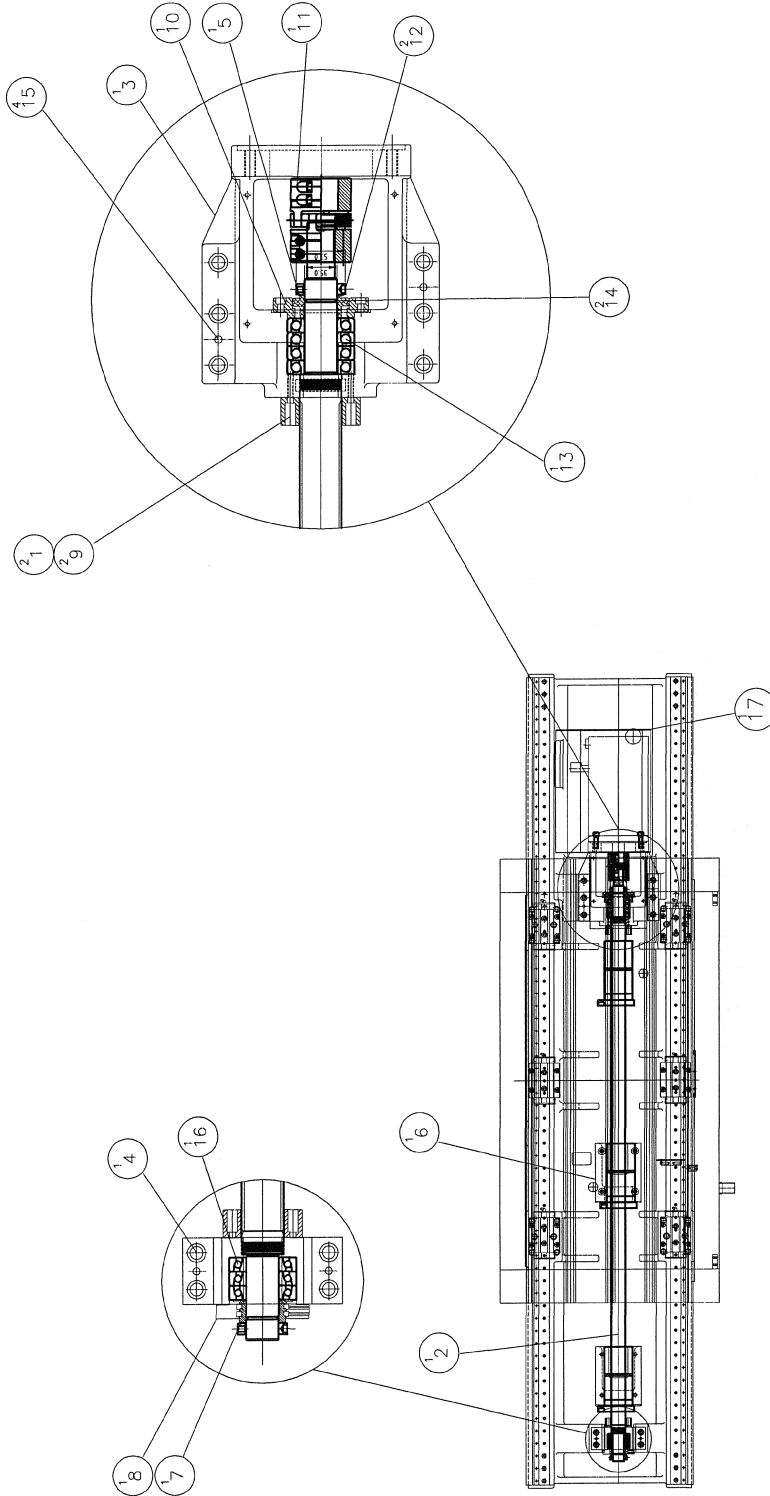
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004602E

Description: X-AXIS TRANSMISSION(FANUC)
X軸傳動(FANUC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
2.01	GX 000190200E	BALL SCREW, X-AXIS	X軸滾珠導螺桿	[PMJR]R45-12D1-FDWE-1873-2185-C	1.00	ST
3.00	NVA001066100D	SEAT, XYZ AXIS MOTOR(FANUC)D45	XYZ軸馬達座(FANUC)D45	L254xW182xH270	1.00	ST
4.00	NVA001117600D	HOUSING, BEARING(D45)	XYZ軸承座(D45)	L172xW101xH71	1.00	ST
5.00	NV 000179920D	SPACER, SUPPORT BRG(HI-TORQUE)	間隔圈(高扭力)	D60xd35xL25	1.00	ST
6.00	NV 001066103D	BRACKET, BALLSCREW	導桿托架	L190xW146xH140.8	1.00	ST
7.00	NVA000179902D	SPACER	間隔圈	D50xd35xL25	1.00	ST
8.00	NVA001011554D	COVER,BALLSCREW	軸承座蓋	D100xd50.5xL20	1.00	ST
9.00	NVA000691601D	BUMPER	止動環	D85xd47xL30	2.00	ST
10.00	NV 001011508D	COVER,BALLSCREW	馬達座蓋	D102xd56xL21.5	1.00	ST
11.00	NV 001179204D	COUPLING(XYZ-AXIS)	聯軸器(XYZ-AXIS)	[KTR] GS38/45 98 ShA Spider (b	1.00	ST
12.00	NV 000049220D	LOCKNUT	鎖緊螺帽	[MR]M35x1.5	2.00	ST
13.00	NV 00002660114	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFFC10PN7B (4PCS/	1.00	ST
14.00	NV 00094310314	O-RING	O型油環	S32	2.00	ST
15.00	NV 00032530104	TAPER PIN	斜銷	D8x60L	4.00	ST
16.00	NV 00002660115	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFFC10PN7B (3PCS/	1.00	ST
17.00	GX 001011542D	MOTOR COVER,X-AXIS(FANUC)	X軸馬達護蓋(FANUC)	L570xW301.6xH58.2	1.00	ST

REV	DESCRIPTION	DATE	EON
A	零件修圖	2007/4/25	



MODEL: GX 1300

PART NAME: X-AXIS TRANSMISSION(SIEMENS)

PART NUMBER: GX 000004602DC

PAGE: 1 OF 1

REV: A

SCALE: 1:25

DATE: 2007/4/25

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DATE: 2007/4/25

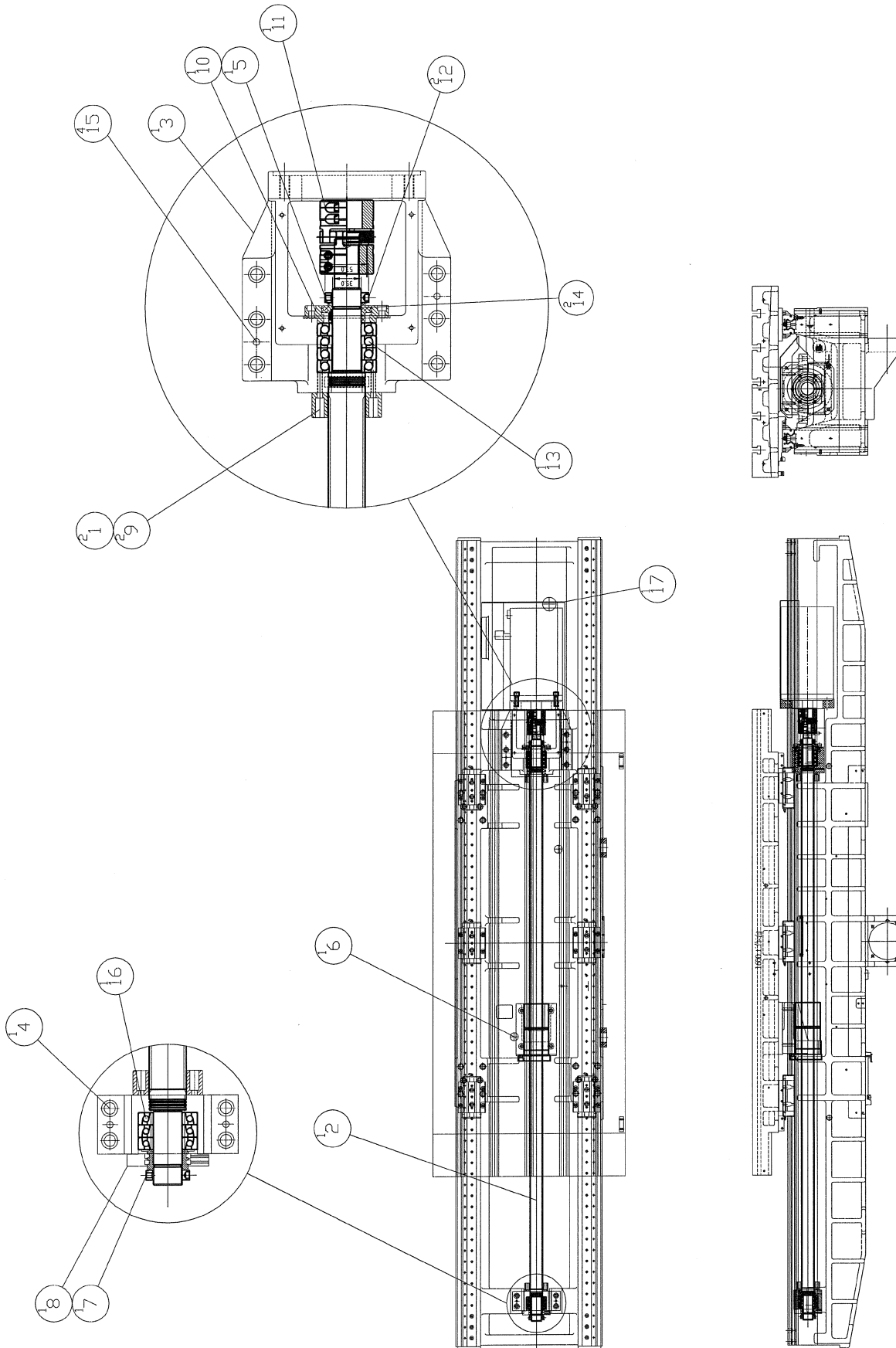
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004602DC

 Description: X-AXIS TRANSMISSION(SIEMENS)
 X軸傳動(SIEMENS)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
2.00	GX 000190200D	BALL SCREW, X-AXIS	X軸滾珠導螺桿	[PMIJR45-12D1-FDWE-1593-1905-C	1.00	ST
3.00	NVA001066101D	SEAT, MOTOR(S/HEI)D45	馬達座(S/HEI)D45	L254xW192xH270	1.00	ST
4.00	NVA001117600D	HOUSING, BEARING(D45)	XYZ軸承座(D45)	L172xW101xH71	1.00	ST
5.00	NV 000179920D	SPACER, SUPPORT BRG(HI-TORQUE)	間隔圈(高扭力)	D60xd35xL25	1.00	ST
6.00	NV 001066103D	BRACKET, BALLSCREW	導桿托架	L190xW146xH140.8	1.00	ST
7.00	NVA000179902D	SPACER	間隔圈	D50xd35xL25	1.00	ST
8.00	NVA001011554D	COVER,BALLSCREW	軸承座蓋	D100xd50.5xL20	1.00	ST
9.00	NVA000691601D	BUMPER	止動環	D85xd47xL30	2.00	ST
10.00	NV 001011508D	COVER,BALLSCREW	馬達座蓋	D102xd56xL21.5	1.00	ST
11.00	NV 001179205D	COUPLING, 1FK6101(XYZ-AXIS)	聯軸器(XYZ-AXIS)	[KTR] GS38/45 98 ShA Spider (b	1.00	ST
12.00	NV 000049220D	LOCKNUT	鎖緊螺帽	[MRJ]M35x1.5	2.00	ST
13.00	NV 00002660114	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFFC10PN7B (4PCS/	1.00	ST
14.00	NV 00094310314	O-RING	O型油環	S32	2.00	ST
15.00	NV 00032530104	TAPER PIN	斜銷	D8x60L	4.00	ST
16.00	NV 00002660115	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFDC10PN7B (3PCS/	1.00	ST
17.00	GX 001011541D	MOTOR COVER,X-AXIS	X軸馬達護蓋	L570xW301.6xH66.2	1.00	ST

REV	DESCRIPTION	DATE	ECK
A	原形検査	2007/4/20	236



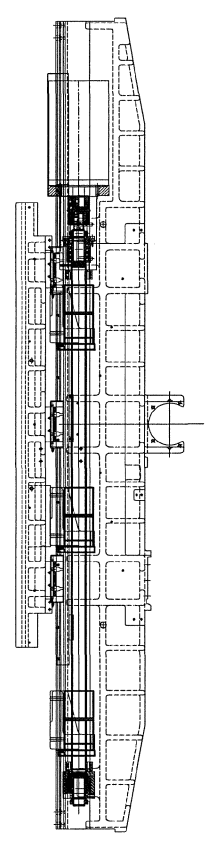
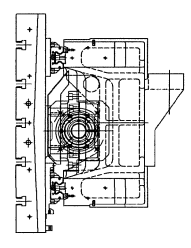
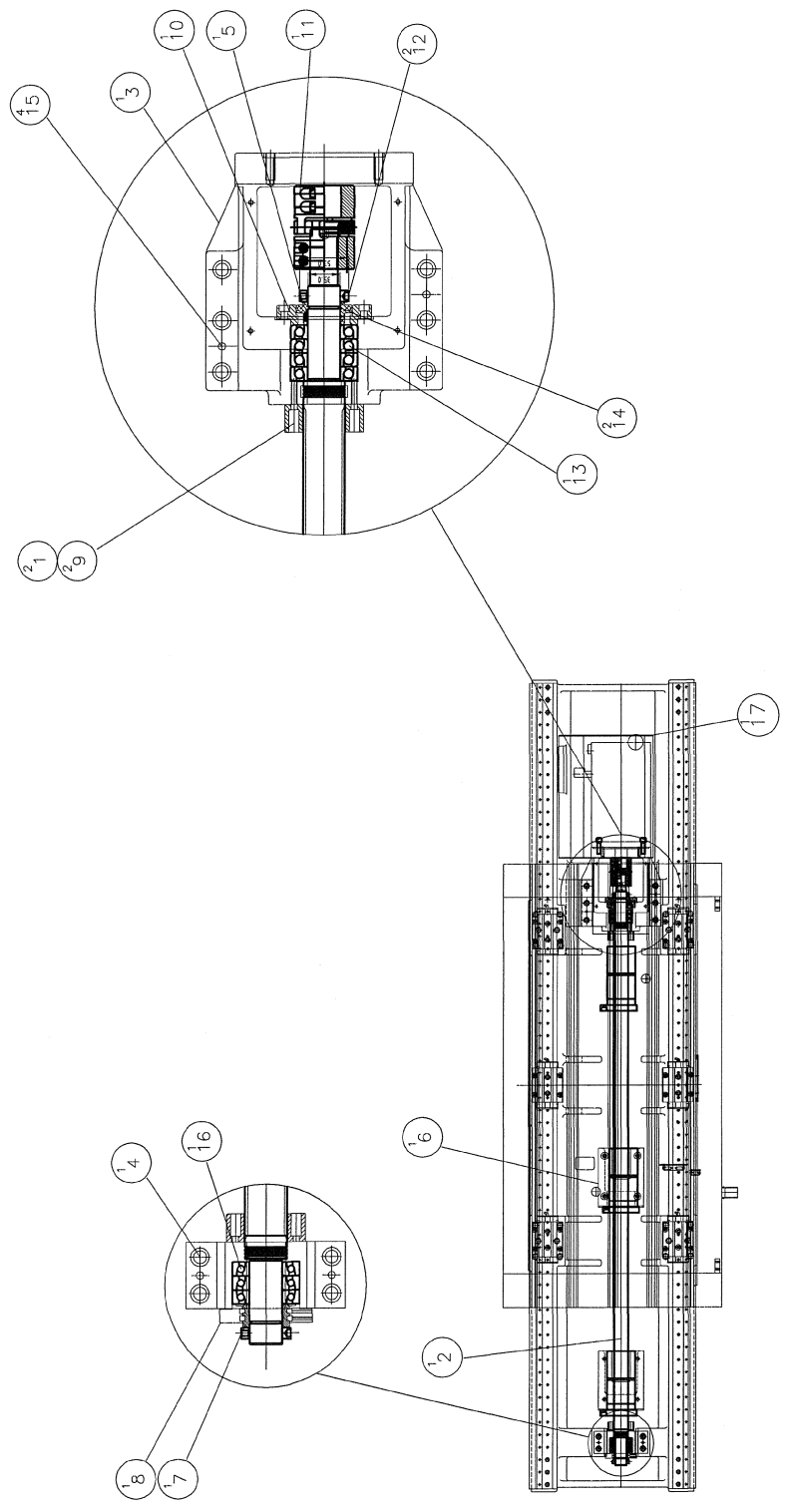
MODEL: GX 1600	PART NUMBER: GX 000004602EC
PART NAME: X-AXIS TRANSMISSION(SIEMENS)	PAGE: 1 OF 1
車軸/軸重/軸 SIEMENS	REV: A
DATE: 2007/4/20	SCALE: 1:22

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004602EC
Description: X-AXIS TRANSMISSION(SIEMENS)
X軸傳動(SIEMENS)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
2.00	GX 000190200E	BALL SCREW, X-AXIS	X軸滾珠導螺桿	[PMI]R45-12D1-FDWE-1873-2185-C	1.00	ST
3.00	NVA001066101D	SEAT, MOTOR(S/HEI)D45	馬達座(S/HEI)D45	L254xW192xH270	1.00	ST
4.00	NVA001117600D	HOUSING, BEARING(D45)	XYZ軸承座(D45)	L172xW101xH71	1.00	ST
5.00	NV 000179920D	SPACER, SUPPORT BRG(HI-TORQUE)	間隔圈(高扭力)	D60xd35xL25	1.00	ST
6.00	NV 001066103D	BRACKET, BALLSCREW	導桿托架	L190xW146xH140.8	1.00	ST
7.00	NVA000179902D	SPACER	間隔圈	D50xd35xL25	1.00	ST
8.00	NVA001011554D	COVER,BALLSCREW	軸承座蓋	D100xd50.5xL20	1.00	ST
9.00	NVA000691601D	BUMPER	止動環	D85xd47xL30	2.00	ST
10.00	NV 001011508D	COVER,BALLSCREW	馬達座蓋	D102xd56xL21.5	1.00	ST
11.00	NV 001179205D	COUPLING, 1FK6101(XYZ-AXIS)	聯軸器(XYZ-AXIS)	[KTR] GS38/45 98 Sha Spider (b	1.00	ST
12.00	NV 000049220D	LOCKNUT	鎖緊螺帽	[MR]M35x1.5	2.00	ST
13.00	NV 00002660114	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFFC10PN7B (4PCS/	1.00	ST
14.00	NV 00094310314	O-RING	O型油環	S32	2.00	ST
15.00	NV 00032530104	TAPER PIN	斜銷	D8x60L	4.00	ST
16.00	NV 00002660115	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFDC10PN7B (3PCS/	1.00	ST
17.00	GX 001011541D	MOTOR COVER,X-AXIS	X軸馬達護蓋	L570xW301.6xH66.2	1.00	ST

REV	DESCRIPTION	DATE	ECN
A	零件承認	2006/10/24	2,3,6



MODEL: GX 1300#40/#50	PART NUMBER	GX 000004609D
PART NAME	X-AXIS TRANSMISSION(HEIDENHAIN)	PAGE 1 OF 1
DATE	2006/10/24	REV. A
SCALE	1:25	

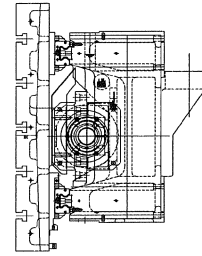
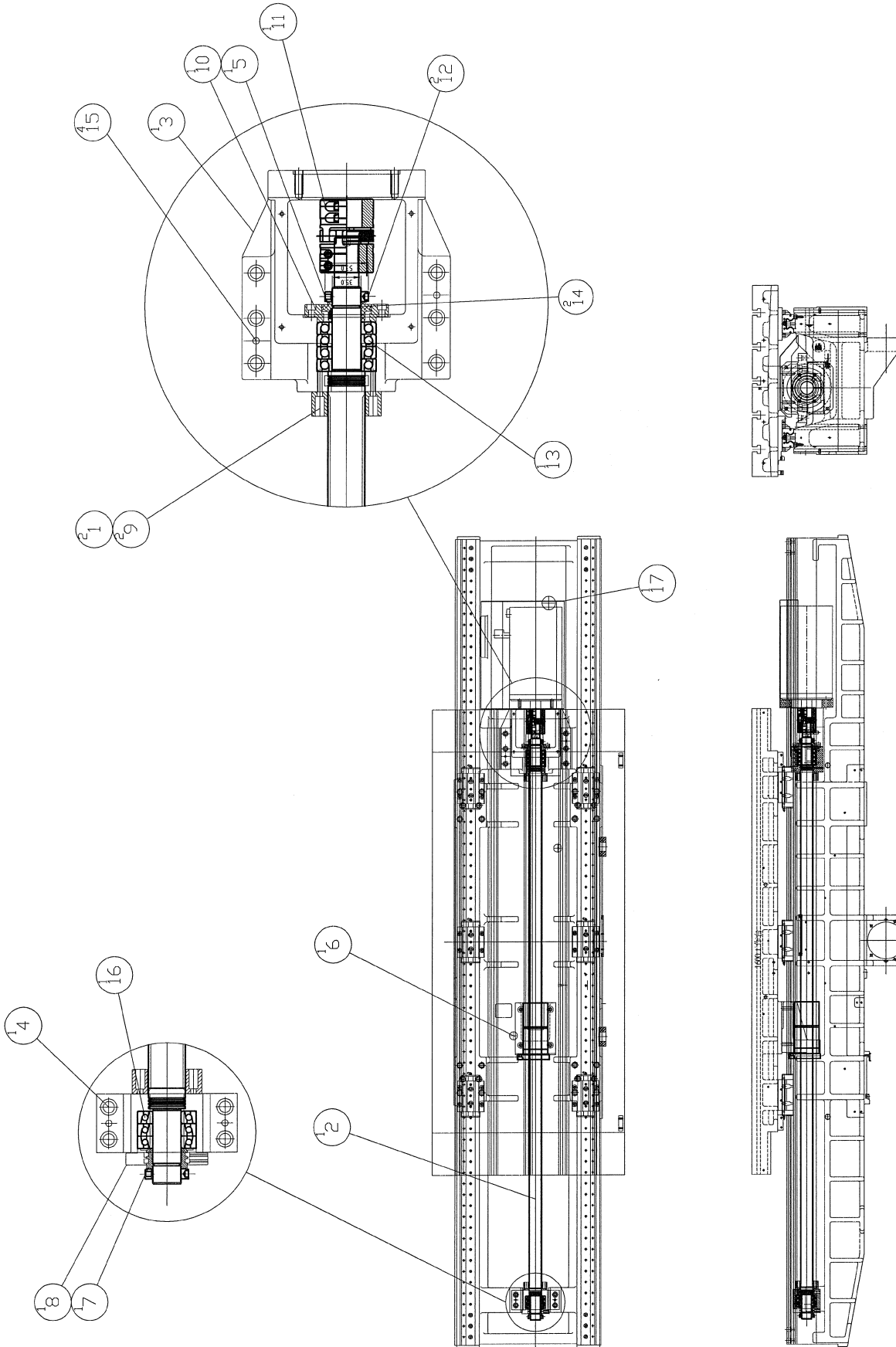
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004609D

Description: X-AXIS TRANSMISSION(HEIDENHAIN
X軸傳動(HEIDENHAIN))

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
2.01	GX 000190200D	BALL SCREW, X-AXIS	X軸滾珠導螺桿	[PMI]R45-12D1-FDWE-1593-1905-C	1.00	ST
3.00	NV 001066246D	SEAT,XY AXIS MOTOR(HEI)D45	XY馬達座(HEIDENHAIN QSY155D)D45	L254xW270xH192	1.00	ST
4.00	NVA001117600D	HOUSING, BEARING(D45)	XYZ軸承座(D45)	L172xW101xH71	1.00	ST
5.00	NV 000179920D	SPACER, SUPPORT BRG(HI-TORQUE)	間隔圈(高扭力)	D60xd35xL25	1.00	ST
6.00	NV 001066103D	BRACKET, BALLSCREW	導桿托架	L190xW146xH140.8	1.00	ST
7.00	NVA000179902D	SPACER	間隔圈	D50xd35xL25	1.00	ST
8.00	NVA001011554D	COVER,BALLSCREW	軸承座蓋	D100xd50.5xL20	1.00	ST
9.00	NVA000691601D	BUMPER	止動環	D85xd47xL30	2.00	ST
10.00	NV 001011508D	COVER,BALLSCREW	馬達座蓋	D102xd56xL21.5	1.00	ST
11.00	NV 001179204D	COUPLING(XYZ-AXIS)	聯軸器(XYZ-AXIS)	[KTR] GS38/45 98 Sha Spider (b	1.00	ST
12.00	NV 000049220D	LOCKNUT	鎖緊螺帽	[MR]M35x1.5	2.00	ST
13.00	NV 00002660114	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFFC10PN7B (4PCS/	1.00	ST
14.00	NV 00094310314	O-RING	O型油環	S32	2.00	ST
15.00	NV 00032530104	TAPER PIN	斜銷	D8x60L	4.00	ST
16.00	NV 00002660115	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFDC10PN7B (3PCS/	1.00	ST
17.00	GX 001011541D	MOTOR COVER,X-AXIS	X軸馬達護蓋	L570xW301.6xH66.2	1.00	ST

REV	DESCRIPTION	DATE	ECN
A	新开发	2007/4/20	236



MODEL: GX 1600

PART NAME

X-AXIS TRANSMISSION(HEIDENHAIN)

X車軸傳動(HEIDENHAIN)

DATE 2007/4/20

SCALE 1:22

REV. A

PART NUMBER

GX 000004609E

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REV. A

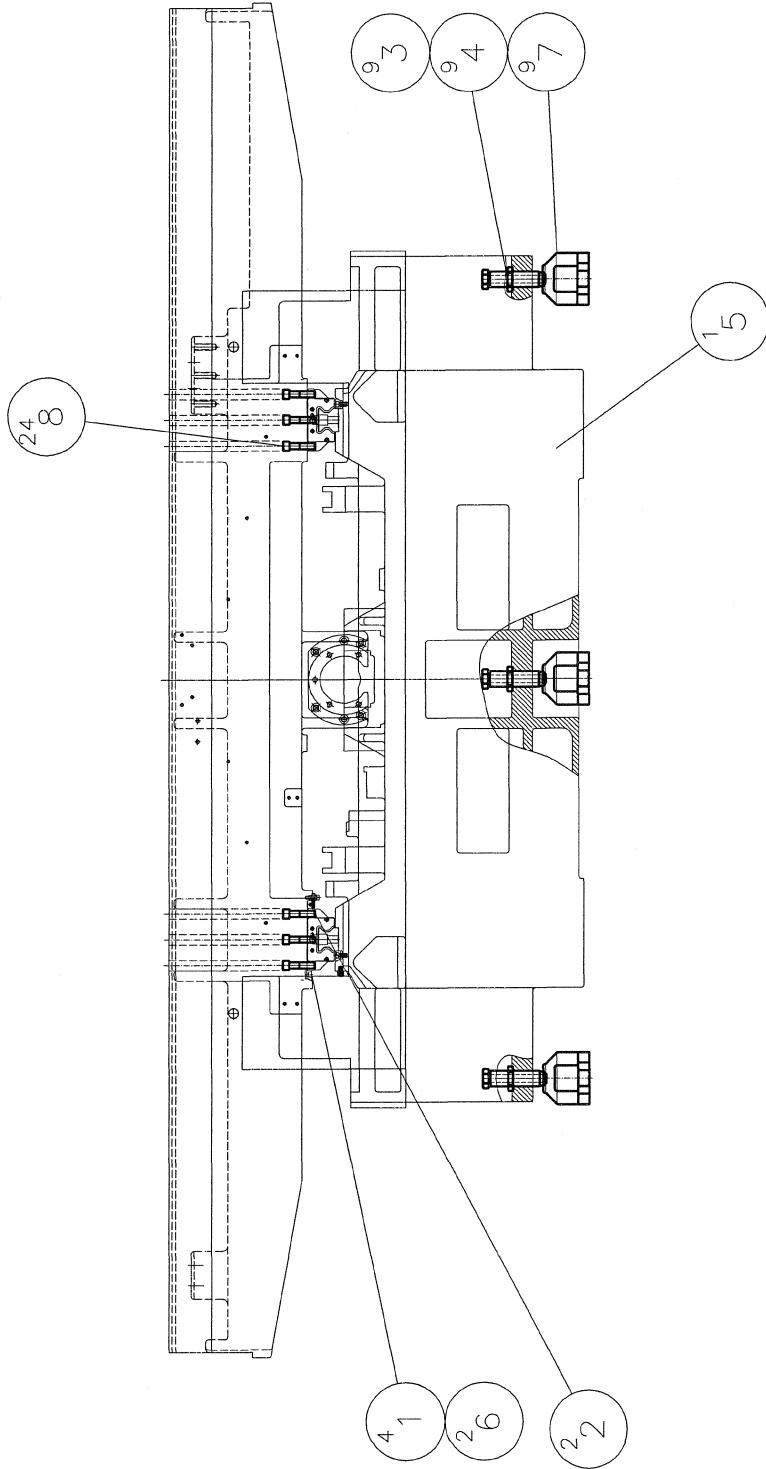
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004609E

 Description: X-AXIS TRANSMISSION(HEID)
 X軸傳動(HEIDENHAIN)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
2.01	GX 000190200E	BALL SCREW, X-AXIS	X軸滾珠導螺桿	[PMI]R45-12D1-FDWE-1873-2185-C	1.00	ST
3.00	NV 001066246D	SEAT,XY AXIS MOTOR(HEI)D45	XY馬達座(HEIDENHAIN QSY155D)D45	L254xW270xH192	1.00	ST
4.00	NVA001117600D	HOUSING, BEARING(D45)	XYZ軸承座(D45)	L172xW101xH71	1.00	ST
5.00	NV 000179920D	SPACER, SUPPORT BRG(HI-TORQUE)	間隔圈(高扭力)	D60xd35xL25	1.00	ST
6.00	NV 001066103D	BRACKET, BALLSCREW	導桿托架	L190xW146xH140.8	1.00	ST
7.00	NVA000179902D	SPACER	間隔圈	D50xd35xL25	1.00	ST
8.00	NVA001011554D	COVER,BALLSCREW	軸承座蓋	D100xd50.5xL20	1.00	ST
9.00	NVA000691601D	BUMPER	止動環	D85xd47xL30	2.00	ST
10.00	NV 001011508D	COVER,BALLSCREW	馬達座蓋	D102xd56xL21.5	1.00	ST
11.00	NV 001179204D	COUPLING(XYZ-AXIS)	聯軸器(XYZ-AXIS)	[KTR] GS38/45 98 ShA Spider (b	1.00	ST
12.00	NV 000049220D	LOCKNUT	鎖緊螺帽	[MR]M35x1.5	2.00	ST
13.00	NV 00002660114	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFFC10PN7B (4PCS/	1.00	ST
14.00	NV 00094310314	O-RING	O型油環	S32	2.00	ST
15.00	NV 00032530104	TAPER PIN	斜銷	D8x60L	4.00	ST
16.00	NV 00002660115	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFDC10PN7B (3PCS/	1.00	ST
17.00	GX 001011541D	MOTOR COVER,X-AXIS	X軸馬達護蓋	L570xW301.6xH66.2	1.00	ST

REV	DESCRIPTION	DATE	ENR.
A	初版	2006/8/1	



MODEL: GX 1300/1600

PART NAME: Y-AXIS TRANSMISSION

Y轴传动(1)

PART NUMBER: GX 000004604D

PAGE: 1 OF 1

REV: A

SCALE: 1:17

DATE: 2006/8/1

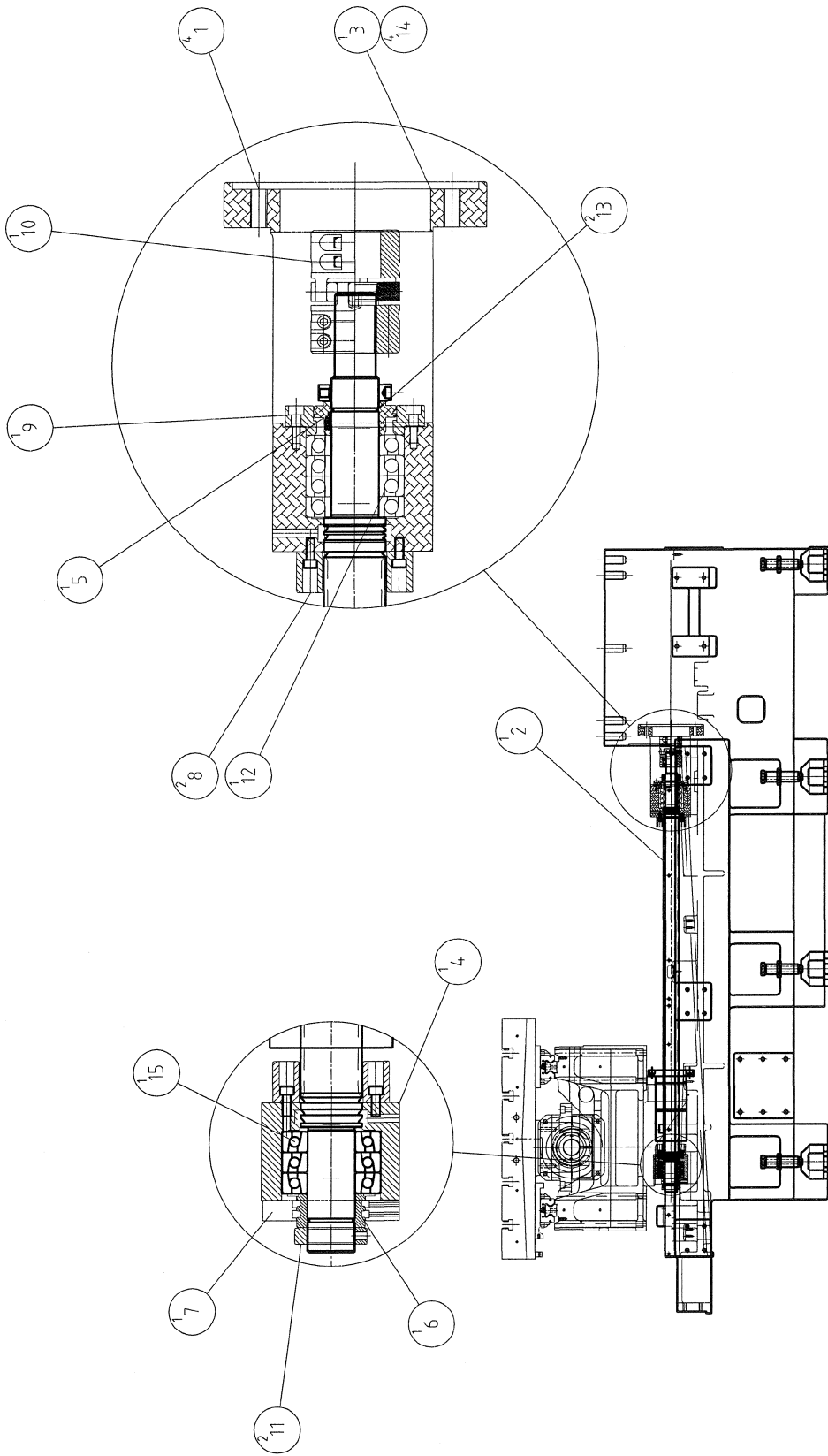
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004604D

Description: Y-AXIS TRANSMISSION
Y軸傳動(1)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0103617	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL16	4.00	EA
2.00	NV 000648101D	GIB, GUIDE TRUCK	調整塊	L80xW10xH15	2.00	ST
3.00	NV 000668409D	SCREW, LEVELING	水平調整螺絲	W32xL120*P2	9.00	ST
4.00	NV 000049212A	NUT	螺帽	W41xL10	9.00	ST
5.02	GX 000390000D	MACHINE BASE	底座	L2234.7xW1650xH655	1.00	ST
6.00	GX 001059000D	RETAINER, WEDGE	楔塊	L98xW18.5xH9.5	2.00	ST
7.00	GX 300199000D	PAD	墊塊	D100xL90	9.00	EA
8.00	MS 0104224	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M12xP1.75xL50	24.00	EA

REV	DESCRIPTION	DATE	ECK
A	3次元図	2006/10/24	236



MODEL	GX 1300/1600	SCALE	1/20	REV	A
PART NAME	Y-Axis TRANSMISSION(FANUC)	PAGE	1 OF 1		
Y-串由/傳導 重力(2)(FANUC)		SCALE	1/20		
DATE	2006/10/24	SCALE	1/20		
PART NUMBER		GX 000004605D			

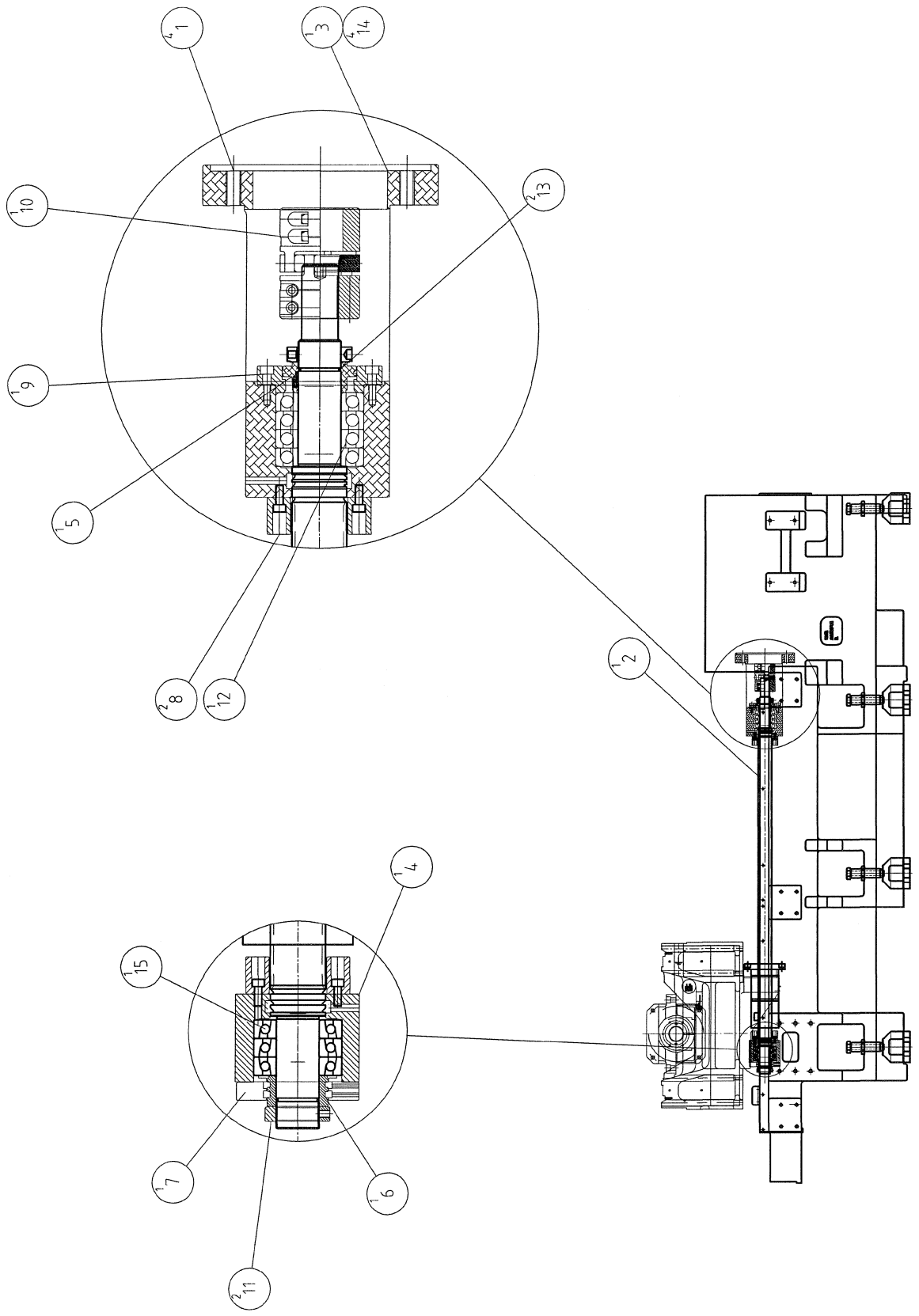
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004605D

Description: Y-AXIS TRANSMISSION(FANUC)
Y軸傳動(2)(FANUC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0154221	HEX HD., FULL THD	六角頭螺絲	M12XP1.75XL35	4.00	EA
2.01	GX 000190201D	BALL SCREW,Y-AXIS	Y軸滾珠導螺桿	[PMIJR45-12D1-FDWE-973-1285-C3	1.00	ST
3.00	NVA001066100D	SEAT, XYZ AXIS MOTOR(FANUC)D45	XYZ軸馬達座(FANUC)D45	L254xW182xH270	1.00	ST
4.00	NVA001117600D	HOUSING, BEARING(D45)	XYZ軸承座(D45)	L172xW101xH71	1.00	ST
5.00	NV 000179920D	SPACER, SUPPORT BRG(HI-TORQUE)	間隔圈(高扭力)	D60xd35xL25	1.00	ST
6.00	NVA000179902D	SPACER	間隔圈	D50xd35xL25	1.00	ST
7.00	NVA001011554D	COVER,BALLSCREW	軸承座蓋	D100xd50.5xL20	1.00	ST
8.00	NVA000691601D	BUMPER	止動環	D85xd47xL30	2.00	ST
9.00	NV 001011508D	COVER,BALLSCREW	馬達座蓋	D102xd56xL21.5	1.00	ST
10.00	NV 001179204D	COUPLING(XYZ-AXIS)	聯軸器(XYZ-AXIS)	[KTR] GS38/45 98 ShA Spider (b	1.00	ST
11.00	NV 000049220D	LOCKNUT	鎖緊螺帽	[MRJM35x1.5	2.00	ST
12.00	NV 00002660114	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFFC10PN7B (4PCS/	1.00	ST
13.00	NV 00094310314	O-RING	O型油環	S32	2.00	ST
14.00	NV 00032530104	TAPER PIN	斜銷	D8x60L	4.00	ST
15.00	NV 00002660115	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFFC10PN7B (3PCS/	1.00	ST

REV	DESCRIPTION	DATE	ENR
1	竣工検査	2006/10/24	23G



MODEL	GX 1300/1600
PART NAME	Y-AXIS TRANSMISSION(SIEMENS)
PART NUMBER	GX 000004605DC
DATE	2006/10/24
SCALE	1:20
PAGE	1 OF 1
REV	A

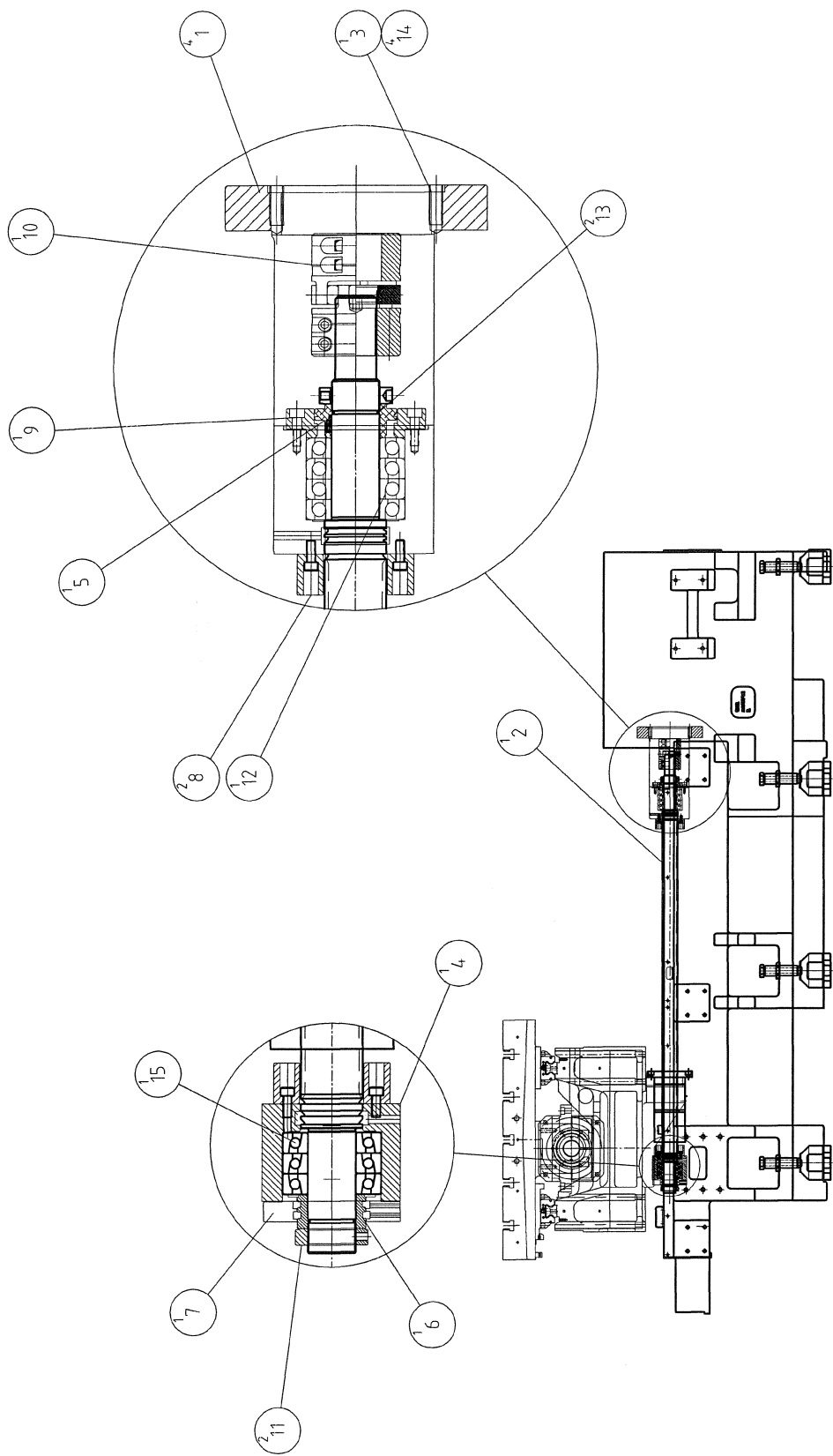
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004605DC

Description: Y-AXIS TRANSMISSION(SIEMENS)
Y軸傳動(2)(SIEMENS)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0154221	HEX HD., FULL THD	六角頭螺絲	M12XP1.75XL35	4.00	EA
2.00	GX 000190201D	BALL SCREW,Y-AXIS	Y軸滾珠導螺桿	[PMIJR45-12D1-FDWE-973-1285-C3	1.00	ST
3.00	NVA001066101D	SEAT, MOTOR(S/HEI)D45	馬達座(S/HEI)D45	L254xW192xH270	1.00	ST
4.00	NVA001117600D	HOUSING, BEARING(D45)	XYZ軸承座(D45)	L172xW101xH71	1.00	ST
5.00	NV 000179920D	SPACER, SUPPORT BRG(HI-TORQUE)	間隔圈(高扭力)	D60xd35xL25	1.00	ST
6.00	NVA000179902D	SPACER	間隔圈	D50xd35xL25	1.00	ST
7.00	NVA001011554D	COVER,BALLSCREW	軸承座蓋	D100xd50.5xL20	1.00	ST
8.00	NVA000691601D	BUMPER	止動環	D85xd47xL30	2.00	ST
9.00	NV 001011508D	COVER,BALLSCREW	馬達座蓋	D102xd56xL21.5	1.00	ST
10.00	NV 001179205D	COUPLING, 1FK6101(XYZ-AXIS)	聯軸器(XYZ-AXIS)	[KTR] GS38/45 98 ShA Spider (b	1.00	ST
11.00	NV 000049220D	LOCKNUT	鎖緊螺帽	[MR]M35x1.5	2.00	ST
12.00	NV 00002660114	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFFC10PN7B (4PCS/	1.00	ST
13.00	NV 00094310314	O-RING	O型油環	S32	2.00	ST
14.00	NV 00032530104	TAPER PIN	斜銷	D8x60L	4.00	ST
15.00	NV 00002660115	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFDC10PN7B (3PCS/	1.00	ST

REV	DESCRIPTION	DATE	ECL
A	原付系圖	2006/01	236



MODEL	GX 1300/1600	PART NUMBER	GX 000004610D
PART NAME	Y-AXIS TRANSMISSION(HEIDENHAIN)	PAGE	1 OF 1
Y軸傳動(2)(HEIDENHAIN)		REV	A
DATE	2006/10/24	SCALE	1:20

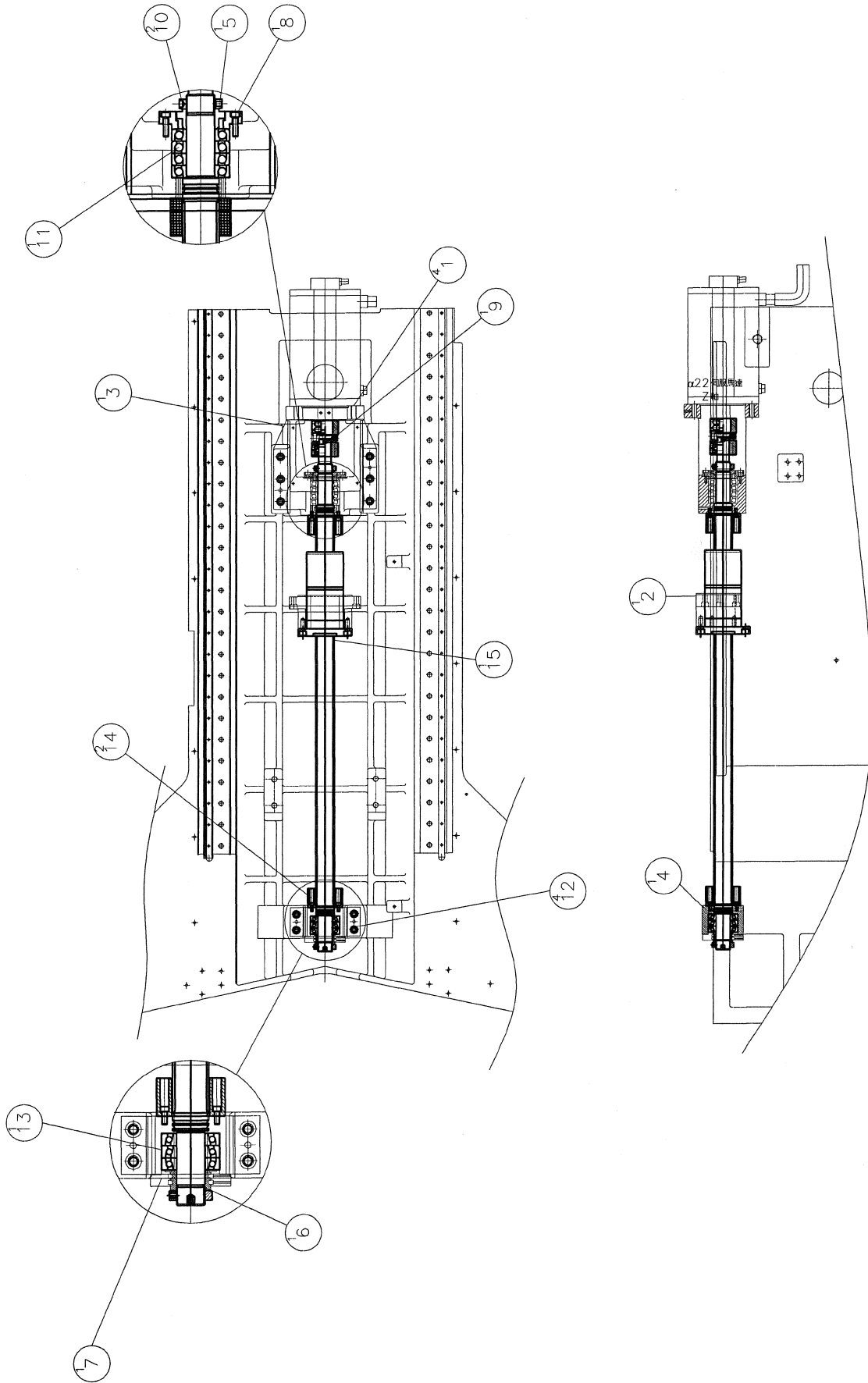
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004610D

Description: Y-AXIS TRANSMISSION(HEIDENHAIN
Y軸傳動(2)(HEIDENHAIN))

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0154221	六角頭螺絲	M12XP1.75XL35	4.00	EA
2.01	GX 000190201D	BALL SCREW,Y-AXIS	[PMJR]45-12D1-FDWE-973-1285-C3	1.00	ST
3.00	NV 001066246D	SEAT,XY AXIS MOTOR(HEI)D45	L254xW270xH192	1.00	ST
4.00	NVA000117600D	HOUSING, BEARING(D45)	L172xW101xH71	1.00	ST
5.00	NV 000179920D	SPACER, SUPPORT BRG(HI-TORQUE)	D60xd35xL25	1.00	ST
6.00	NVA000179902D	SPACER	D50xd35xL25	1.00	ST
7.00	NVA0001011554D	COVER,BALLSCREW	D100xd50.5xL20	1.00	ST
8.00	NVA000691601D	BUMPER	D85xd47xL30	2.00	ST
9.00	NV 001011508D	COVER,BALLSCREW	D102xd56xL21.5	1.00	ST
10.00	NV 001179204D	COUPLING(XYZ-AXIS)	[KTR] GS38/45 98 ShA Spider (b	1.00	ST
11.00	NV 000049220D	LOCKNUT	[MRJM]35x1.5	2.00	ST
12.00	NV 00002660114	BEARING, BALL SCREW SUPPORT	[NSK]35TAC72BDFFC10PN7B (4PCS/	1.00	ST
13.00	NV 00094310314	O-RING	S32	2.00	ST
14.00	NV 00032530104	TAPER PIN	D8x60L	4.00	ST
15.00	NV 00002660115	BEARING, BALL SCREW SUPPORT	[NSK]35TAC72BDFFC10PN7B (3PCS/	1.00	ST

REV	DESCRIPTION	DATE	ECN
A	零件圖	2006/10/24	236



MODEL: GX 1300/1600	PART NUMBER	REV. A
PART NAME	GX 000004702D	
Z-AXIS TRANSMISSION(FANUC)		
Z 串轴传动单元(FANUC)	PAGE 1 OF 1	
DATE 2006/10/24	SCALE 1:15	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

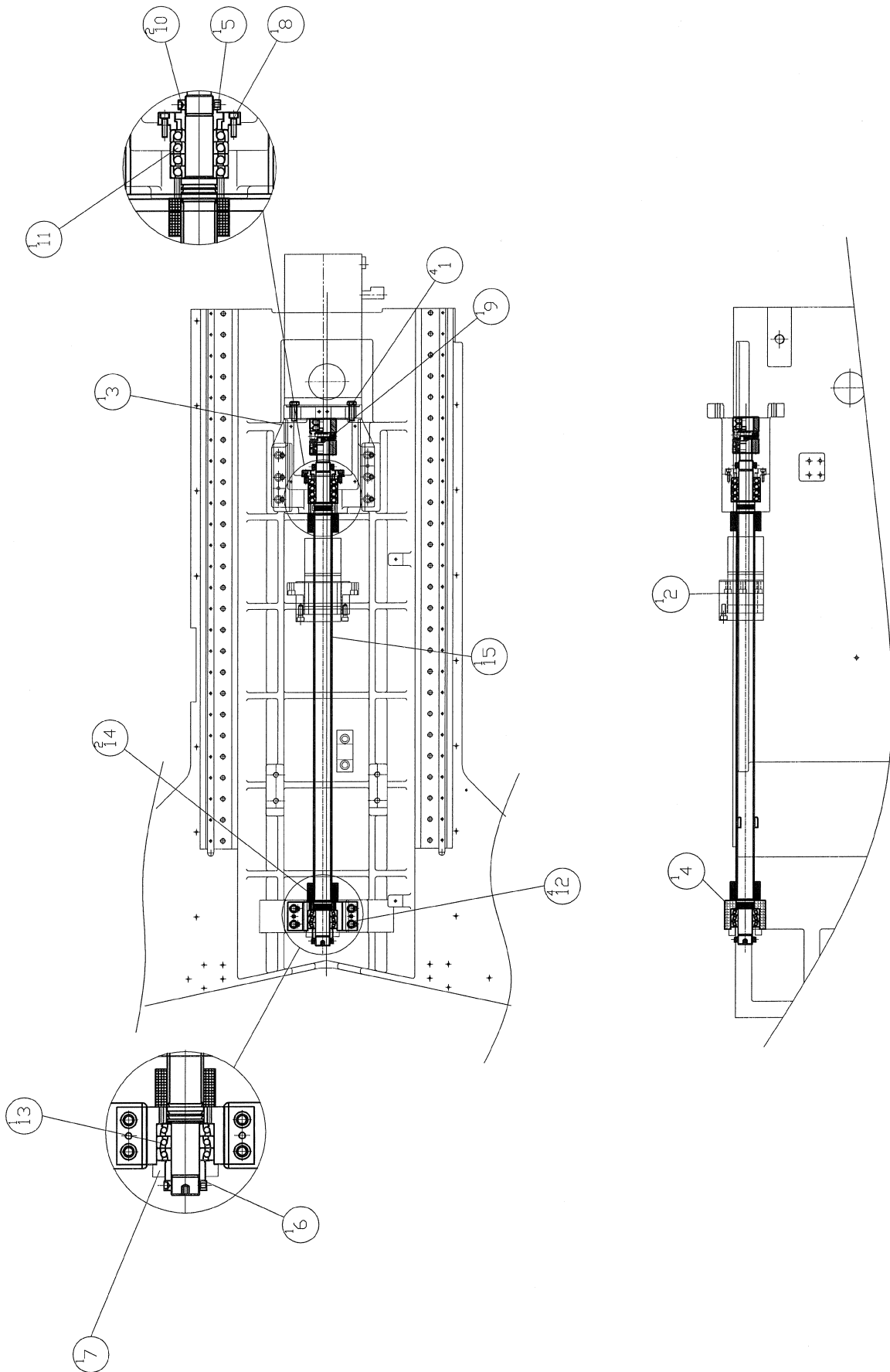
Master Item Part NO.: GX 000004702D

Description: Z-AXIS TRANSMISSION(FANUC)

Z 軸傳動(FANUC)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0104222	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M12XP1.75XL40	4.00	EA
2.00	GX 001066103D	NUT BRACKET	Z軸螺帽支撐架	D176xd92xL78.5	1.00	ST
3.00	NVA001066100D	SEAT, XYZ AXIS MOTOR(FANUC)D45	XYZ軸馬達座(FANUC)D45	L254xW182xH270	1.00	ST
4.00	NVA001117600D	HOUSING, BEARING(D45)	XYZ軸承座(D45)	L172xW101xH71	1.00	ST
5.00	NV 000179920D	SPACER, SUPPORT BRG(HI-TORQUE)	間隔圈(高扭力)	D60xd35xL25	1.00	ST
6.00	NVA000179902D	SPACER	間隔圈	D50xd35xL25	1.00	ST
7.00	NVA001011554D	COVER,BALLSCREW	軸承座蓋	D100xd50.5xL20	1.00	ST
8.00	NV 001011508D	COVER,BALLSCREW	馬達座蓋	D102xd56xL21.5	1.00	ST
9.00	NV 001179204D	COUPLING(XYZ-AXIS)	聯軸器(XYZ-AXIS)	[KTR] GS38/45 98 ShA Spider (b	1.00	ST
10.00	NV 000049220D	LOCKNUT	鎖緊螺帽	[MR]M35x1.5	2.00	ST
11.00	NV 00002660114	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFFC10PN7B (4PCS/	1.00	ST
12.00	NV 000032530104	TAPER PIN	斜銷	D8x60L	4.00	ST
13.00	NV 00002660115	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFFC10PN7B (3PCS/	1.00	ST
14.00	NVA000691600D	BUMPER	止動環	D85xd47xL47	2.00	ST
15.00	NV 000190201D	BALL SCREW, Y,Z-AXIS	Y,Z軸滾珠導螺桿	[PMI]R45-12D1-FDWE-960-1265-C3	1.00	ST

REV.	DESCRIPTION	DATE	ECN.
A	說明書 DRAWING	2006/10/24	236



MODEL: GX 1300/1600	PART NUMBER
PART NAME	GX 000004702DC
Z-0XIS TRANSMISSIONS/HEIDENHAIN	PAGE 1 OF 1
Z 軸傳動/ SIEMENS/HEIDENHAIN	REV. A
DATE 2006/10/24	SCALE 1:15
DESIGNER	
CHECKER	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

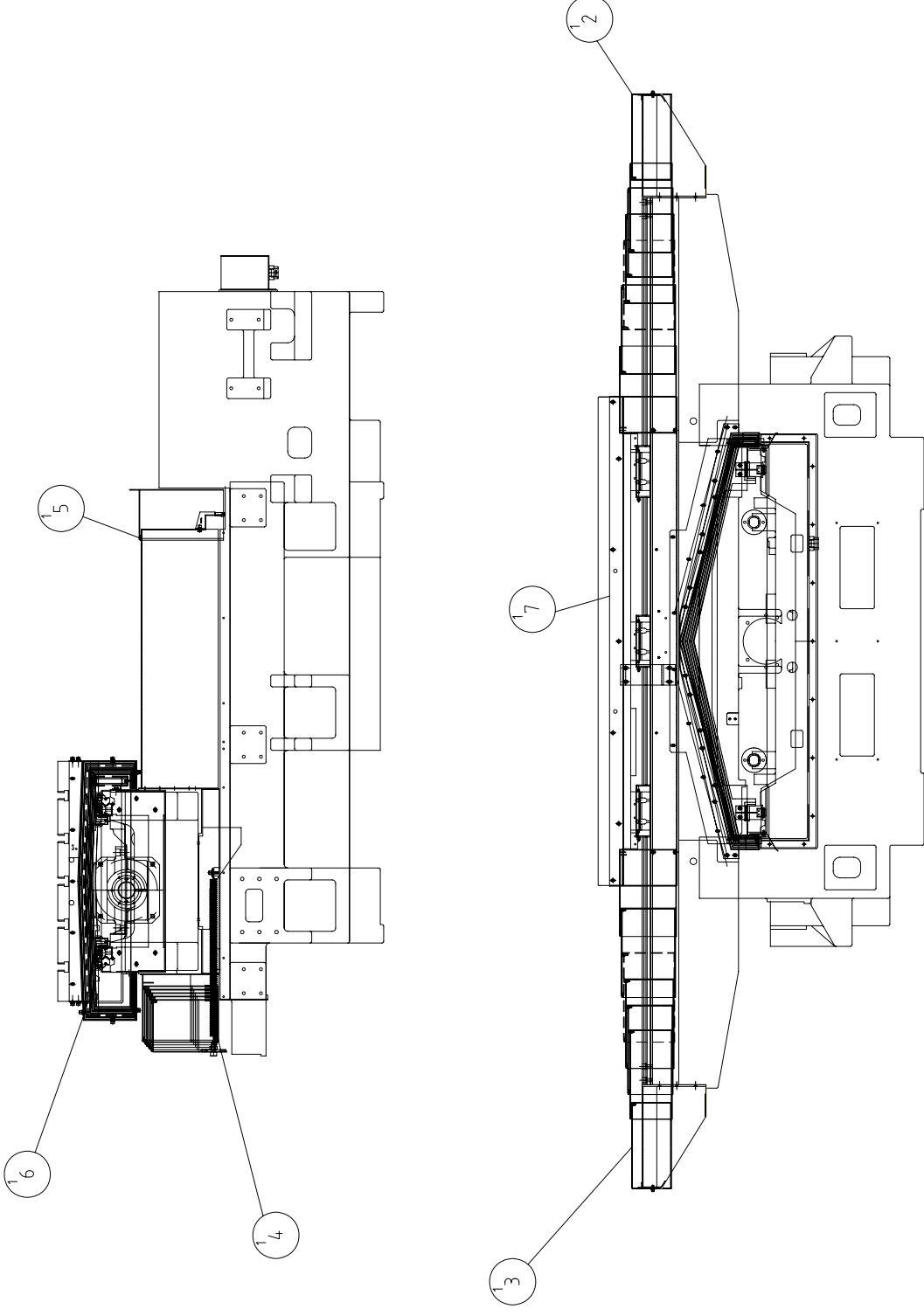
Master Item Part NO.: GX 000004702DC

Description: Z-AXIS TRANSMISSION(SIE/HEI)

Z 軸傳動(SIEMENS/Heidenhain)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0104222	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M12XP1.75XL40	4.00	EA
2.00	GX 001066103D	NUT BRACKET	Z軸螺帽支撐架	D176xd92xL78.5	1.00	EA
3.00	NVA001066101D	SEAT, MOTOR(S/HEI)D45	馬達座(S/HEI)D45	L254xW192xH270	1.00	ST
4.00	NVA001117600D	HOUSING, BEARING(D45)	XYZ軸承座(D45)	L172xW101xH71	1.00	ST
5.00	NV 000179920D	SPACER, SUPPORT BRG(HI-TORQUE)	間隔圈(高扭力)	D60xd35xL25	1.00	ST
6.00	NVA000179902D	SPACER	間隔圈	D50xd35xL25	1.00	ST
7.00	NVA001011554D	COVER,BALLSCREW	軸承座蓋	D100xd50.5xL20	1.00	ST
8.00	NV 001011508D	COVER,BALLSCREW	馬達座蓋	D102xd56xL21.5	1.00	ST
9.00	NV 001179205D	COUPLING, 1FK6101(XYZ-AXIS)	聯軸器(XYZ-AXIS)	[KTR] GS38/45 98 ShA Spider (b	1.00	ST
10.00	NV 000049220D	LOCKNUT	鎖緊螺帽	[MR]M35x1.5	2.00	ST
11.00	NV 00002660114	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFFC10PN7B (4PCS/	1.00	ST
12.00	NV 00032530104	TAPER PIN	斜銷	D8x60L	4.00	ST
13.00	NV 00002660115	BEARING, BALL SCREW SUPPORT	滾珠導桿斜角滾珠軸承	[NSK]35TAC72BDFFC10PN7B (3PCS/	1.00	ST
14.00	NVA000691600D	BUMPER	止動環	D85xd47xL47	2.00	ST
15.00	NV 000190201D	BALL SCREW, Y,Z-AXIS	Y,Z軸滾珠導螺桿	[PMI]R45-12D1-FDWE-960-1265-C3	1.00	ST

REV	DESCRIPTION	DATE	ECK
A	発行承認	2006/7/31	
B	＃2,＃3,＃6の變更	2007/11/1	895



MODEL: GX 1300	PART NUMBER: GX 000004606D
PART NAME: X,Y-AXIS TELESCOPIC	PAGE: 1 OF 1
X,Y-伸縮筒蓋 蓋蓋	REV: B
DATE: 2006/7/31	SCALE: 1:20

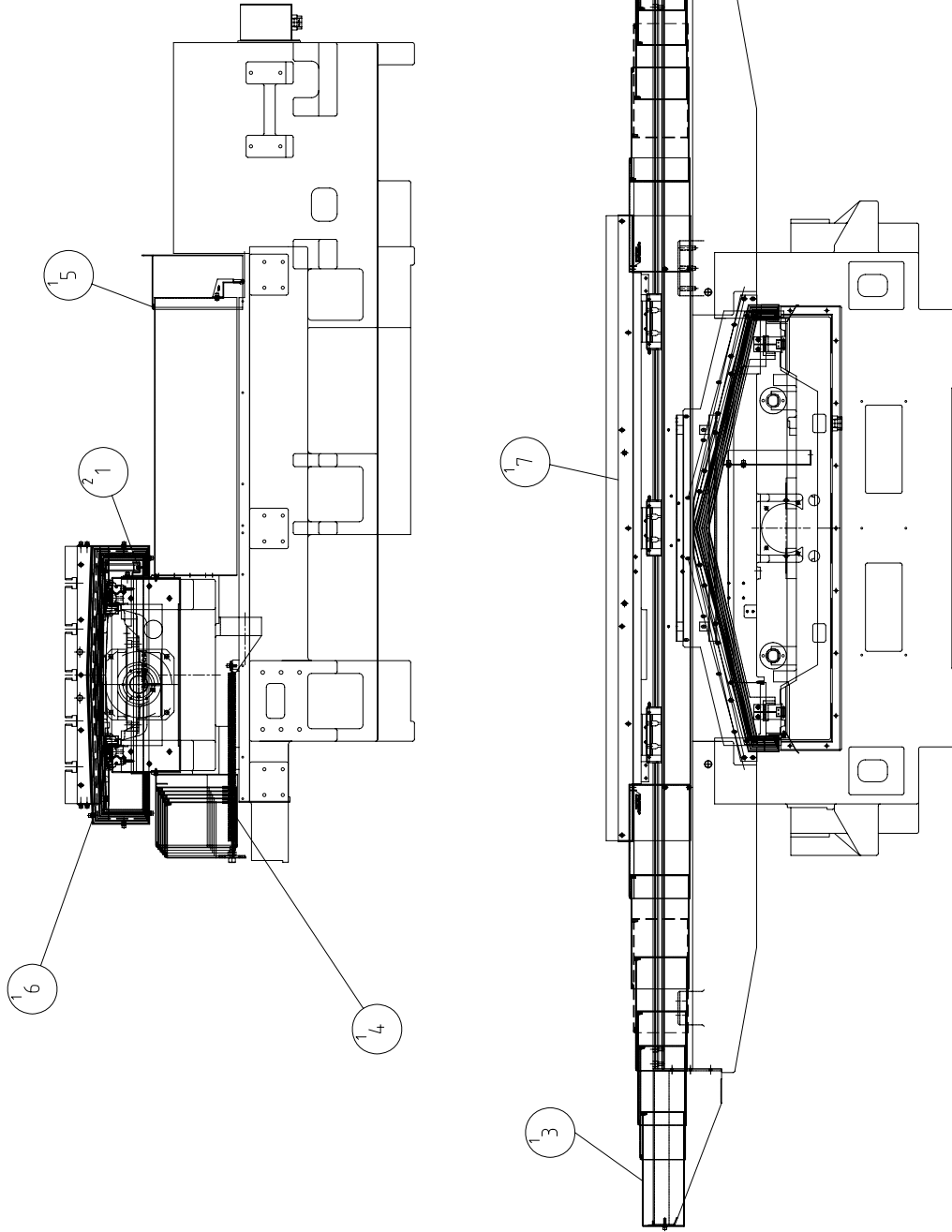
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004606D

Description: X,Y-AXIS TELESCOPIC
X,Y軸伸縮護蓋

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
2.03	GXA001011502D	WAYCOVER, X-AXIS RIGHT	X軸右伸縮護蓋	L1653.5xW754xH195	1.00	ST
3.02	GXA001011503D	WAYCOVER, X-AXIS LEFT	X軸左伸縮護蓋	L1653.5xW754xH195	1.00	ST
4.00	GX 001011504D	WAYCOVER, Y-AXIS FRONT	Y軸前伸縮護蓋	L1268xW898xH253	1.00	ST
5.00	GX 001011505D	WAYCOVER, Y-AXIS REAR	Y軸後伸縮護蓋	L1182xW872.7xH274	1.00	ST
6.01	GXA001011500D	COVER, X-AXIS FRONT	X軸前蓋板	L1425xW197xH139	1.00	EA
7.00	GX 001011501D	COVER, X-AXIS REAR	X軸後蓋板	L1425xW129xH83	1.00	ST

REV	DESCRIPTION	DATE	ECK
A	原形承認	2006/7/31	
B	中之中之中承認	2006/7/31	B95



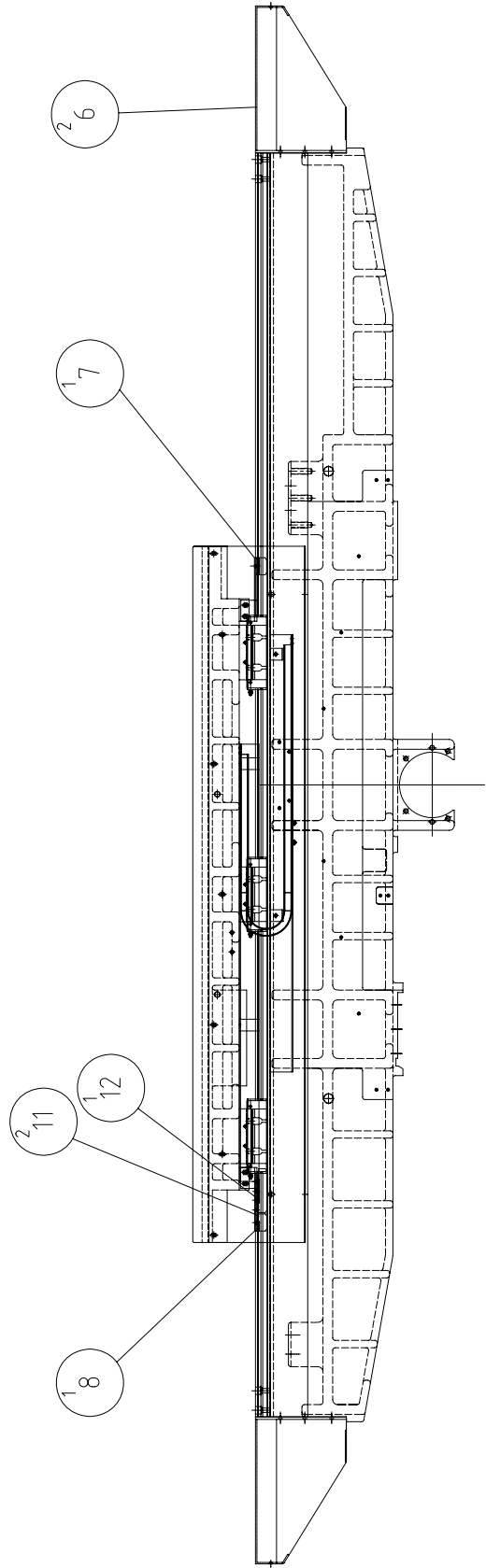
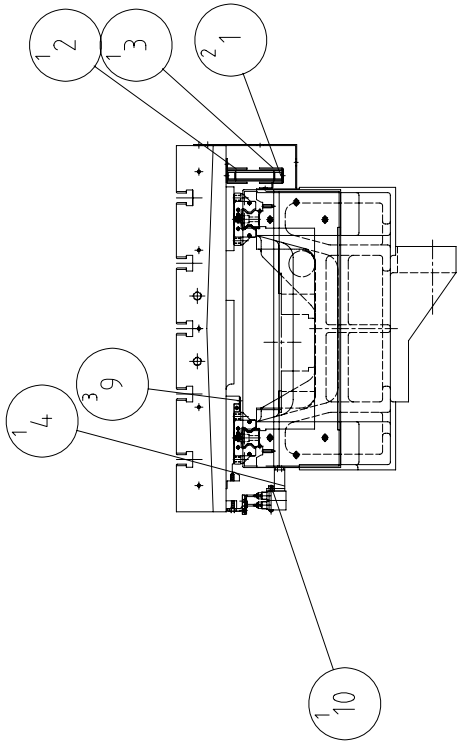
MODEL: GX 1600	PART NUMBER: GX 000004606E
PART NAME: X,Y-AXIS TELESCOPIC	PAGE: 1 OF 1
DATE: 2006/7/31	SCALE: 1:20
REV: B	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004606E
Description: X,Y-AXIS TELESCOPIC
X,Y軸伸縮護蓋

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
2.03	GXA001011502E	WAYCOVER, X-AXIS RIGHT	X軸右伸縮護蓋	L2002xW754xH195	1.00	ST
3.02	GXA001011503E	WAYCOVER, X-AXIS LEFT	X軸左伸縮護蓋	L2002xW754xH195	1.00	ST
4.00	GX 001011504D	WAYCOVER, Y-AXIS FRONT	Y軸前伸縮護蓋	L1268xW898xH253	1.00	ST
5.00	GX 001011505D	WAYCOVER, Y-AXIS REAR	Y軸後伸縮護蓋	L1182xW872.7xH274	1.00	ST
6.01	GXA001011500E	COVER, X-AXIS FRONT	X軸前蓋板	L1700xW197xH139	1.00	ST
7.00	GX 001011501E	COVER, X-AXIS REAR	X軸後蓋板	L1700xW197xH83	1.00	ST

REV	DESCRIPTION	DATE	EQ
A	原形承認	2006/1/31	2.13
B	#7, #8, #9の修正	2007/11/1	8.95



MODEL: GX 1300	PART NAME	PART NUMBER
X	AXIS PLATE	GX 000004607D
X	軸板	
DATE: 2006/10/1	SCALE: 1:15	PAGE: 1 OF 1
		REV: B

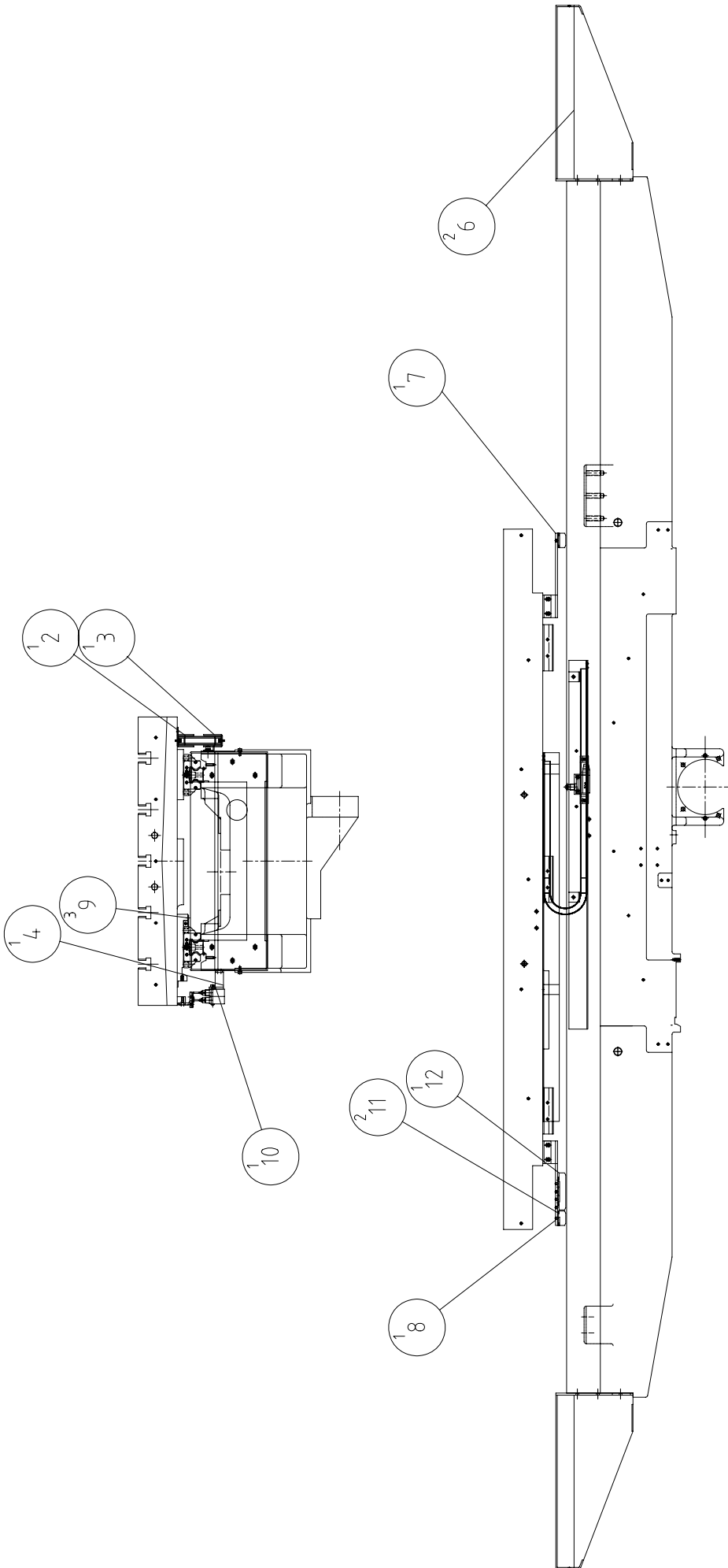
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004607D

Description: X-AXIS SHEET METAL
X軸板金

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	MS 0103415	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL10	2.00	EA
2.01	GX 000199005D	X-AXIS UTILITY CARRIER(UPPER)	X軸連動鏈座(上)	L615xW20xH47.3	1.00	ST
3.02	GX 000199006D	X-AXIS UTILITY CARRIER(BOTTOM)	X軸連動鏈座(下)	L615xW40.2xH46	1.00	ST
4.01	GXA000199013D	SEAT,X-AXIS LIMITE SWITCH	X軸極限開關座	L115xW45.5xH34.4	1.00	EA
6.00	GX 000199007D	SUPPORT, X-WAYCOVER	支撐架	L531xW314xH187	2.00	ST
7.02	GXA000199008D	SEAT,X-AXIS DOG	X軸定位塊座(右)	L130xW37xH33	1.00	EA
8.01	GXA000199009D	SEAT,X-AXIS DOG	X軸定位塊座(左)	L130xW37xH33	1.00	EA
9.00	NV 000199038D	RETAINER, GIB SHIM	壓板	L80xW27xH2	3.00	EA
10.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
11.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	2.00	EA
12.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA

REV	DESCRIPTION	DATE	ECL
A	原形承認	2006/12/1	213
B	#4, #7, #8の變更	2007/11/1	895



MODEL: GX 1600	SCALE: 1:15	REV: B
PART NAME X-AXIS PLATE X 串軸板	PART NUMBER GX 000004607E	PAGE 1 OF 1
DATE: 2006/10/1	USA OFFICE	

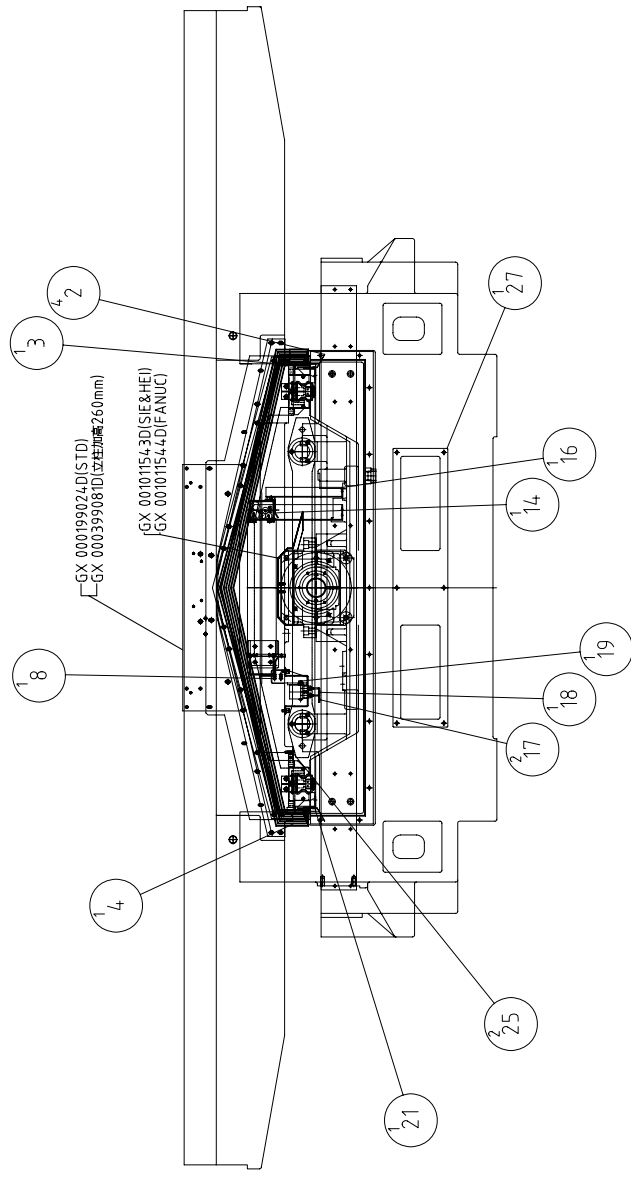
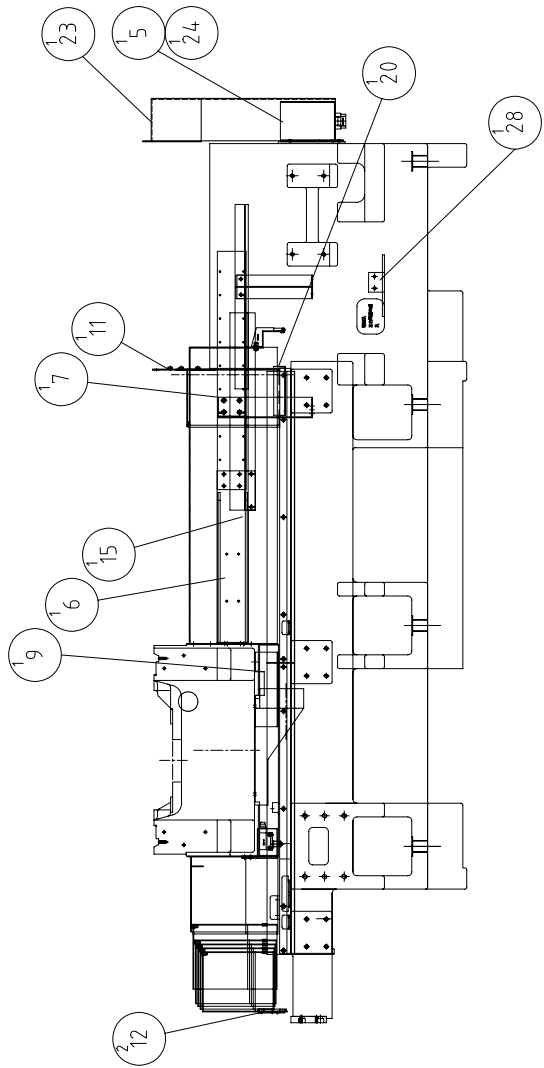
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004607E

Description: X-AXIS SHEET METAL
X軸板金

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
2.01	GX 000199005D	X-AXIS UTILITY CARRIER(UPPER)	X軸連動鏈座(上)	L615xW20xH47.3	1.00	ST
3.02	GX 000199006D	X-AXIS UTILITY CARRIER(BOTTOM)	X軸連動鏈座(下)	L615xW40.2xH46	1.00	ST
4.01	GXA000199013D	SEAT,X-AXIS LIMITE SWITCH	X軸極限開關座	L115xW45.5xH34.4	1.00	EA
6.02	GX 000199007E	SUPPORT, X-WAYCOVER	支撐架	L531xW426xH187	2.00	ST
7.02	GXA000199008E	SEAT,X-AXIS DOG	X軸定位塊座(右)	L205xW37xH33	1.00	EA
8.01	GXA000199009E	SEAT,X-AXIS DOG	X軸定位塊座(左)	L205xW37xH33	1.00	EA
9.00	NV 000199038D	RETAINER, GIB SHIM	壓板	L80xW27xH2	3.00	EA
10.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
11.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	2.00	EA
12.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA

REV	DESCRIPTION	DATE	ENR
A	新机型DRAWING	2006/1/31	214
B	新增井28(电源线支架架)	2007/09/21	872



MODEL: GX 1300/GX 1600	PART NUMBER: GX 000004608D
PART NAME: X,Y-AXIS TELESCOPIC	PAGE: 1 OF 1
DATE: 2006/11/24	REV: B
SCALE: 1:20	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000004608D

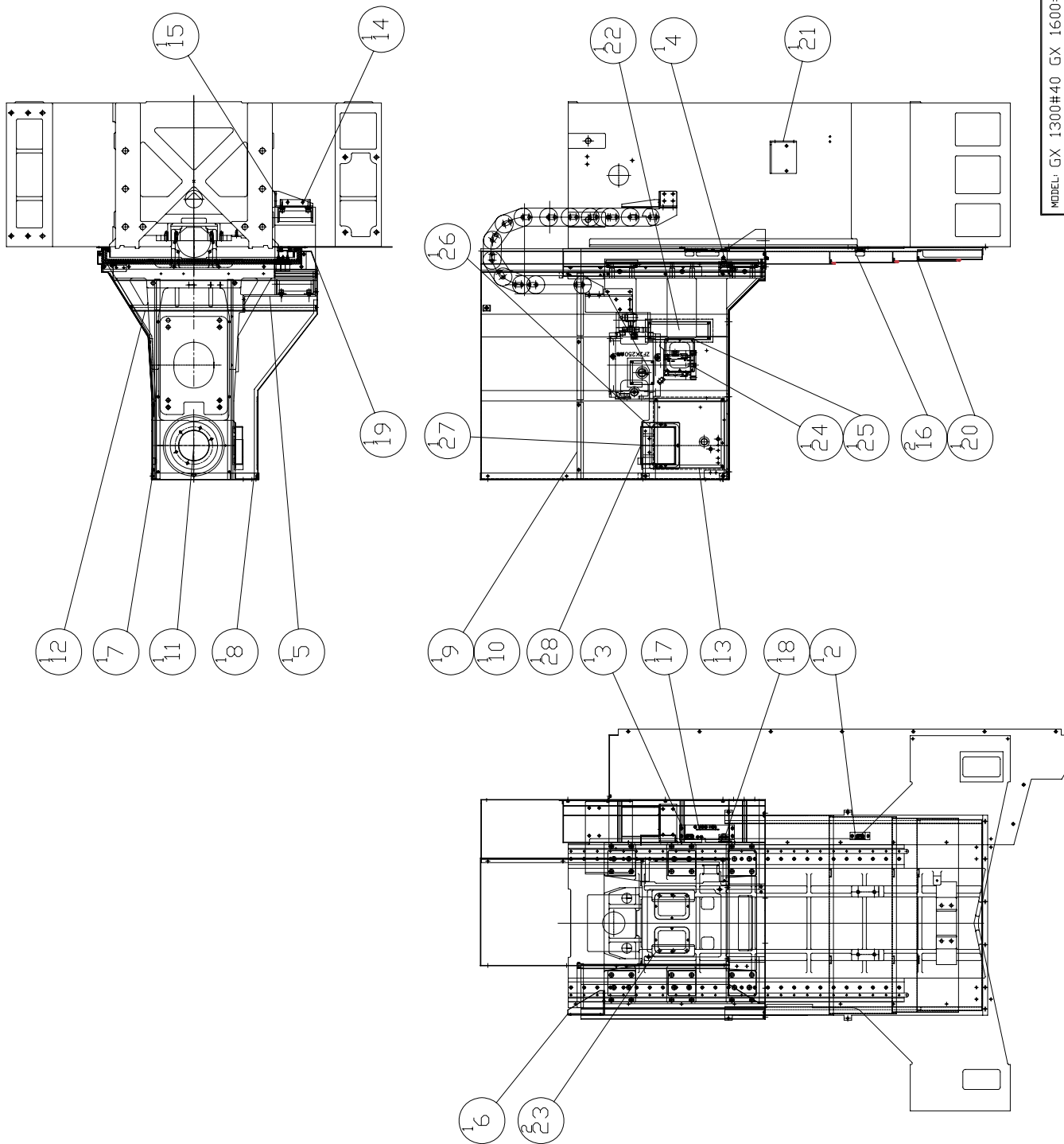
Description: Y-AXIS SHEET METAL
Y軸板金

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
2.00	GX 000199001D	SKIRT,Y-WAYCOVER	Y軸擋屑板	L743xW82.2xH41.2	4.00	ST
3.01	GXA000199003D	Y-AXIS TELESCOPIC(RIGHT)	Y軸伸縮護蓋側板(右側)	L538*W42*H61	1.00	EA
4.01	GXA000199004D	Y-AXIS TELESCOPIC(LEFT)	Y軸伸縮護蓋側板(左側)	L538*W30*H58	1.00	EA
5.02	GX 000199010D	REAR SINK, BASE	底座後水槽	L1204xW160xH100	1.00	ST
6.01	GX 000199011D	BRACKET,Y-AXIS UTILITY CARRIER	Y軸連動鏈支架	L442xW80xH70	1.00	ST
7.00	GX 000199012D	BRACKET,Y-AXIS UTILITY CARRIER	Y軸連動鏈支架	L240xW52xH40	1.00	ST
8.00	GX 000199014D	SEAT,Y-AXIS SWITCH	Y軸微動開關座	L90xW75xH37	1.00	ST
9.00	GX 000199017D	WIRE RESTRAINED PLATE	Y軸集線板金	L190xW120xH57.7	1.00	ST
12.00	GX 000179900D	WASHER	墊圈	D70xd54xt3	2.00	ST
14.00	GX 000199026D	GUIDE,Y-AXIS UTILITY CARRIER	Y軸連動鏈導軌(右)	L470xW33.9xH48.1	1.00	ST
15.00	GX 000199027D	GUIDE,Y-AXIS UTILITY CARRIER	Y軸連動鏈導軌(左)	L503xW62xH51	1.00	ST
16.00	GX 000199028D	SUPPORT,UTILITY CARRIER GUIDE	Y連動鏈導軌支架	L195.6xW60xH25	1.00	ST
17.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	2.00	EA
18.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA
19.00	NVA000199034A	PLATE	固定板	L45xW10xH5	1.00	EA
20.01	GX 000199002D	PLATE,Y-WAYCOVER REAR(RIGHT)	Y後擋屑板(右)	L122xW39xH15.2	1.00	ST
21.01	GX 000199029D	PLATE,Y-WAYCOVER REAR(LEFT)	Y後擋屑板(左)	L122xW39xH15.2	1.00	ST
23.00	GX 000299086D	REAR COVER, COLUMN	立柱後蓋板	L1230xW490.5xH110.3	1.00	EA
24.00	GX 00094310101	O-RING	O型油環	D3XL1410	1.00	ST
25.00	NV 000199038A	RETAINER, GIB SHIM	壓板	L76xW32xH2.3	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
27.00	GX 000399007D	REAR PLATE,BASE	底座後蓋板	L710xW140xH2.3	1.00	ST
28.00	GX 000299021D	SUPPORT, ELECTRIC WIRE	電線支撐架	L157xW50xH40	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	発行済	2006/09/14	219
B	GX 000199089D-GX000199089D	2007/07/20	784
C	Z軸用Z軸用Z軸用Z軸用Z軸用	2007/02/06	77C



MODEL: GX 1300#40 GX 1600#40	PART NUMBER: GX 000004704D
PART NAME: Z-AXIS SHEET METAL	PAGE: 1 OF 1
Z 軸用Z軸用Z軸用Z軸用Z軸用	REV: C
DATE: 2006/09/14	SCALE: 1:25

PRODUCT BOM MASTER AND SUB-ITEMS LIST

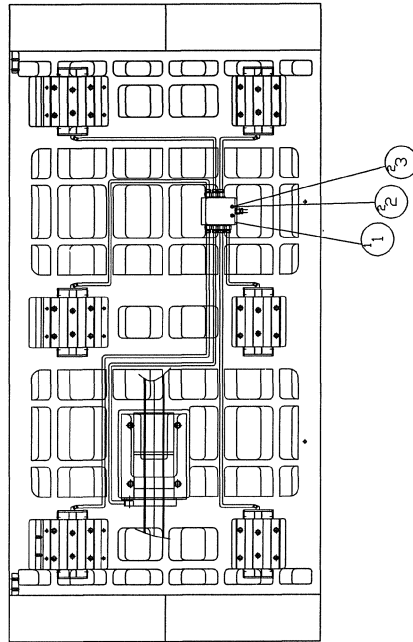
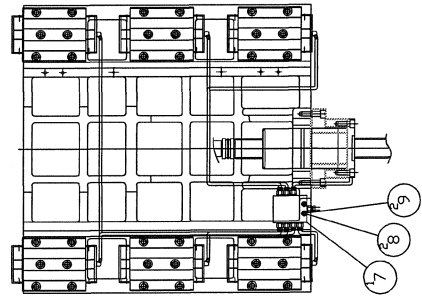
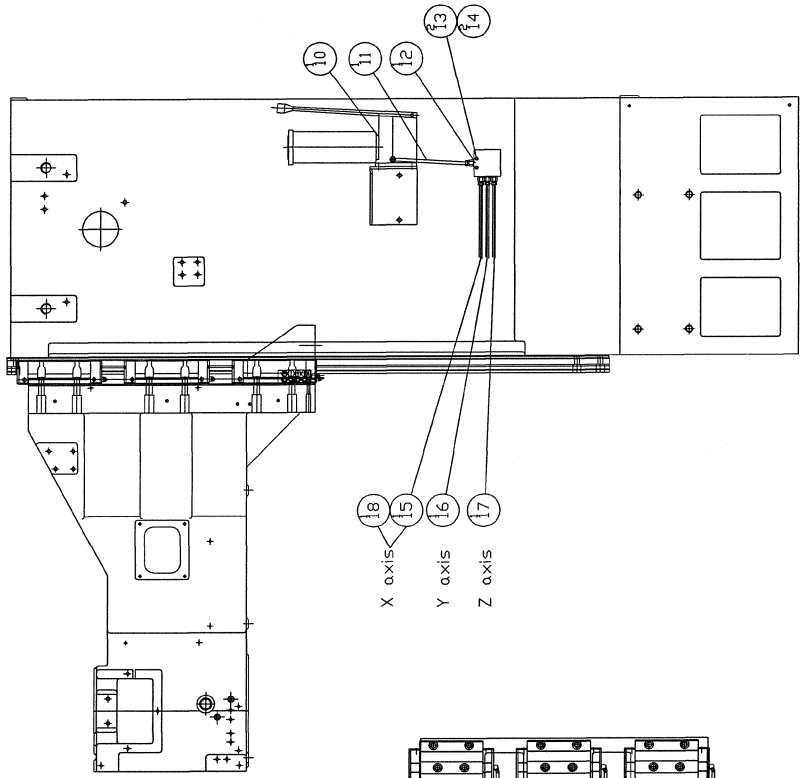
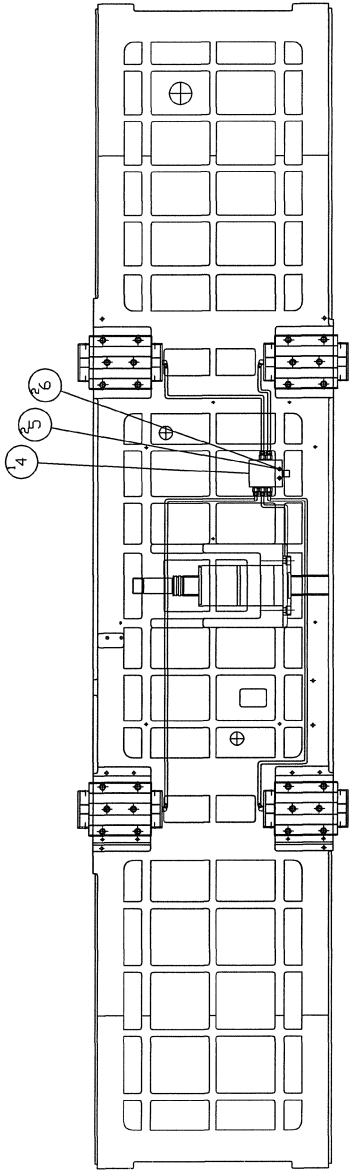
Master Item Part NO.: GX 000004704D

Description: Z-AXIS SHEET METAL
Z軸板金

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
2.00	GX 000199018D	BRACKET, SWITCH	換刀原點固定板	L79xW29xH15	1.00	ST
3.00	GX 000199019D	BRACKET, SWITCH	換刀原點固定板	L219xW58xH15	1.00	ST
4.00	GX 000199020D	X LIMITED SWITCH SEAT	Z軸極限開關座	L54.8xW52xH7.3	1.00	ST
5.01	GX 000199023D	BRACKET,Z-AXIS UTILITY CARRIER	Z軸連動鏈座	L295.4xW188xH94	1.00	ST
6.00	GX 001011507D	LEFT COVER,BRACKET	左蓋固定座	L147xW97xH30	1.00	ST
7.00	GX 000199088D	COVER,HEADSTOCK FRONT	主軸箱前蓋	L995.3xW431xH27.3	1.00	ST
8.03	GXA000199089D	COVER,HEADSTOCK RIGHT	主軸箱右側蓋	L1138xW836xH359.7	1.00	ST
9.00	GX 000199090D	COVER,HEADSTOCK LEFT	主軸箱左側蓋	L919.7xW738xH250	1.00	ST
10.00	GX 000199091D	COVER,HEADSTOCK LEFT	主軸箱左側蓋	L919.7xW400xH232.7	1.00	ST
11.00	GX 000199092D	COVER	蓋板	L796.7xW299xH147.3	1.00	ST
12.00	GX 000022113D	SUPPORTER ROD,HEADSTOCK COVER	主軸箱護蓋支撐桿	D20X746	1.00	ST
13.00	NV 000599057A	COVER, HEADSTOCK	蓋子	L278xW278xH2.3	1.00	ST
14.00	NV 000599071A	SUPPORT,UTILITY CARRIER	連動鏈支撐架	L:150xW:120xH:30	1.00	EA
15.00	NV 000199056D	BRACKET, UTILITY CARRIER	連動鏈座	L151.4XW70XH64	1.00	EA
16.00	NV 000199023A	DOG	終點定位塊	L35xW19xH20	2.00	EA
17.00	NV 000199024A	ORIGIN DOG	原點定位塊	L90xW19xH20	1.00	EA
18.00	NV 000199004A	DOG, ATC ORIGIN	換刀原點塊	L40XW24XH20	1.00	EA
19.00	GX 001011509D	COVER,HEADSTOCK RIGHT	主軸箱右蓋	L810xW118.7xH170.4	1.00	ST
20.00	GX 001011506D	WAYCOVER,Z-AXIS	Z軸伸縮護蓋	L1051.5xW840xH90	1.00	EA
21.01	NV 000499093A	OIL INLET BRACKET	注油器固定座	L235xW130xH106	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
22.00	NV 001021571A	COVER	蓋板	L248xW94xH2.3	1.00	ST
23.00	GX 000399049D	PLATE	蓋板	L137.5xW103xt2.3	2.00	ST
24.00	GX 000399050D	PLATE	蓋板	L131xW108xt2.3	1.00	ST
25.00	GX 000399051D	PLATE	蓋板	L131xW118xt2.3	1.00	ST
26.00	GX 000399052D	COVER	蓋板	L173xW108xH2.3	1.00	ST
27.01	GX 000399053D	COVER	蓋板	L183xW145xt2.3	1.00	ST
28.01	NV 000799046A	FAN COVER, HEADSTOCK	主軸箱風扇蓋板(1)	L182xW155xH40	1.00	ST



MODEL: GX 1300/GX 1600	PART NUMBER GX 000004715D
PART NAME X,Y,Z AXIS LUBRICATION SYSTEM	PAGE 1 OF 1
X,Y,Z 潤滑系統	REV. A
DATE: 2007/4/1	SCALE: 1:17
KURT SCHULZ	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

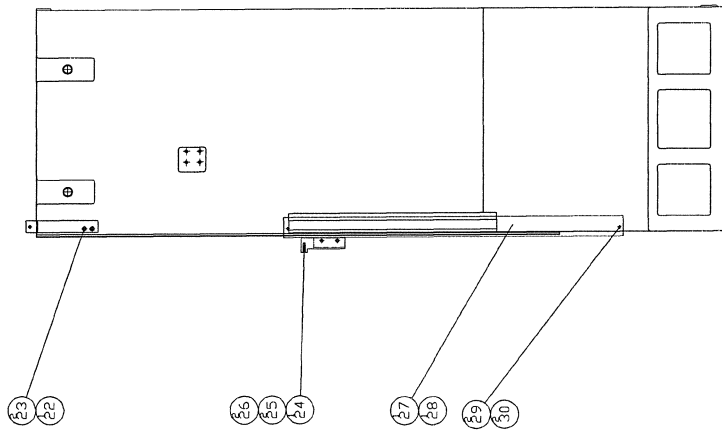
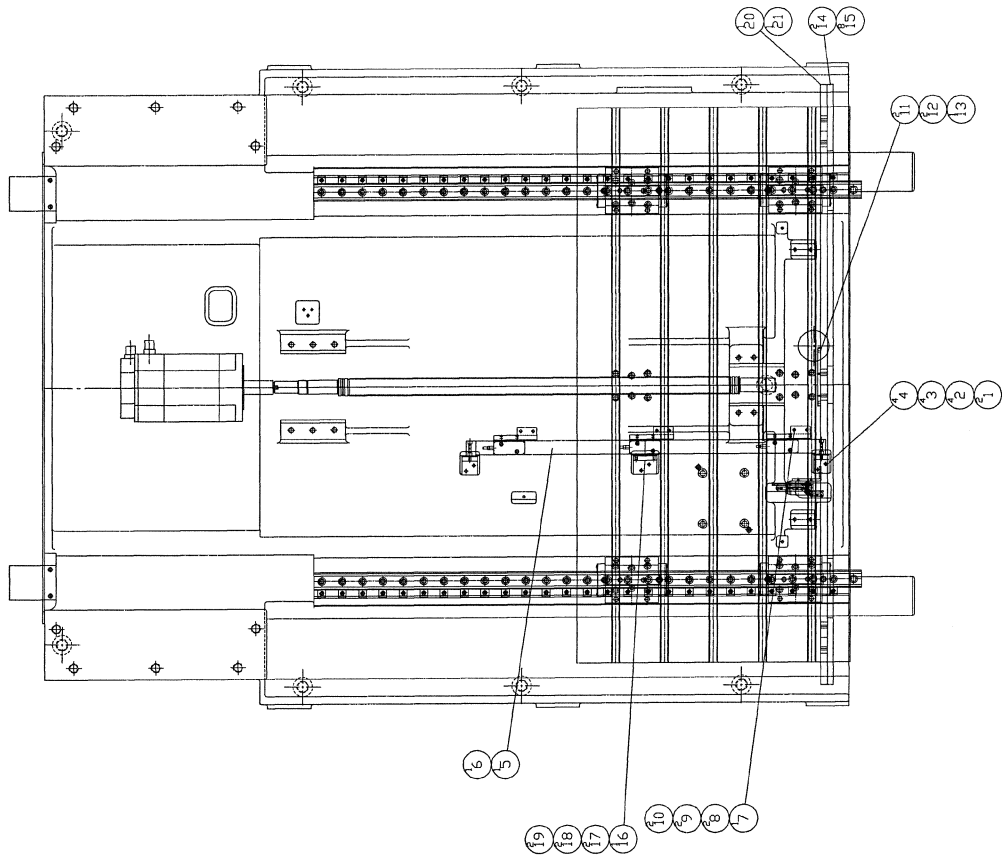
Master Item Part NO.: GX 000004715D

Description: X, Y, Z AXIS LUBRICATION SYSTEM

X, Y, Z 潤滑系統

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00002340108	CV-8 DISTRIBUTOR	CV-8單一循環分配器	CV-8 入D6-出D6,7 HOLE,90° 接頭	1.00	EA
2.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
3.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
4.00	NV 00002340113	CV-6 DISTRIBUTOR	CV-6單一循環分配器	CV-6 入D6-出D6,5 HOLE,90° 接頭	1.00	EA
5.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
6.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
7.00	NV 00002340108	CV-8 DISTRIBUTOR	CV-8單一循環分配器	CV-8 入D6-出D6,7 HOLE,90° 接頭	1.00	EA
8.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
9.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
10.00	NV 000023402A	MANUAL GREASE INJECTION	CLHP-40-1手動黃油注油器	CLHP-40-1	1.00	EA
11.00	NV 00070070609	NYLON TUBING, HIGH PRESSURE	超高壓尼龍油管	R200-02,M10xP1.0xL0.6Mx2端	1.00	EA
12.00	NV 00002340109	CV-8 DISTRIBUTOR	CV-8單一循環分配器	CV-8 入D6-出D6,6 HOLE,90° 接頭	1.00	EA
13.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
14.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
15.00	NV 00070070606	NYLON TUBING, HIGH PRESSURE	超高壓尼龍油管	R200-02,M10xP1.0xL5.5Mx2端	1.00	EA
16.00	NV 00070070610	NYLON TUBING, HIGH PRESSURE	超高壓尼龍油管	R200-02,M10xP1.0xL6.4Mx2端	1.00	EA
17.00	NV 00070070611	NYLON TUBING, HIGH PRESSURE	超高壓尼龍油管	R200-02,M10xP1.0xL2.6Mx2端	1.00	EA
18.00	NV 00070070607	NYLON TUBING, HIGH PRESSURE	超高壓尼龍油管	R200-02,M10xP1.0xL4.2Mx2端	1.00	EA

REV.	DESCRIPTION	DATE	ECN.
A	発行承認	2006/9/1	



MODEL: GX 1300#40/#50

PART NAME LINEAR SCALE(X,Y,Z-AXIS)

光學尺(X,Y,Z軸)

PART NUMBER GX 000022401D

PAGE 1 OF 1

REV. A

SCALE 1:20

FORM

DATE 2006/9/1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000022401D

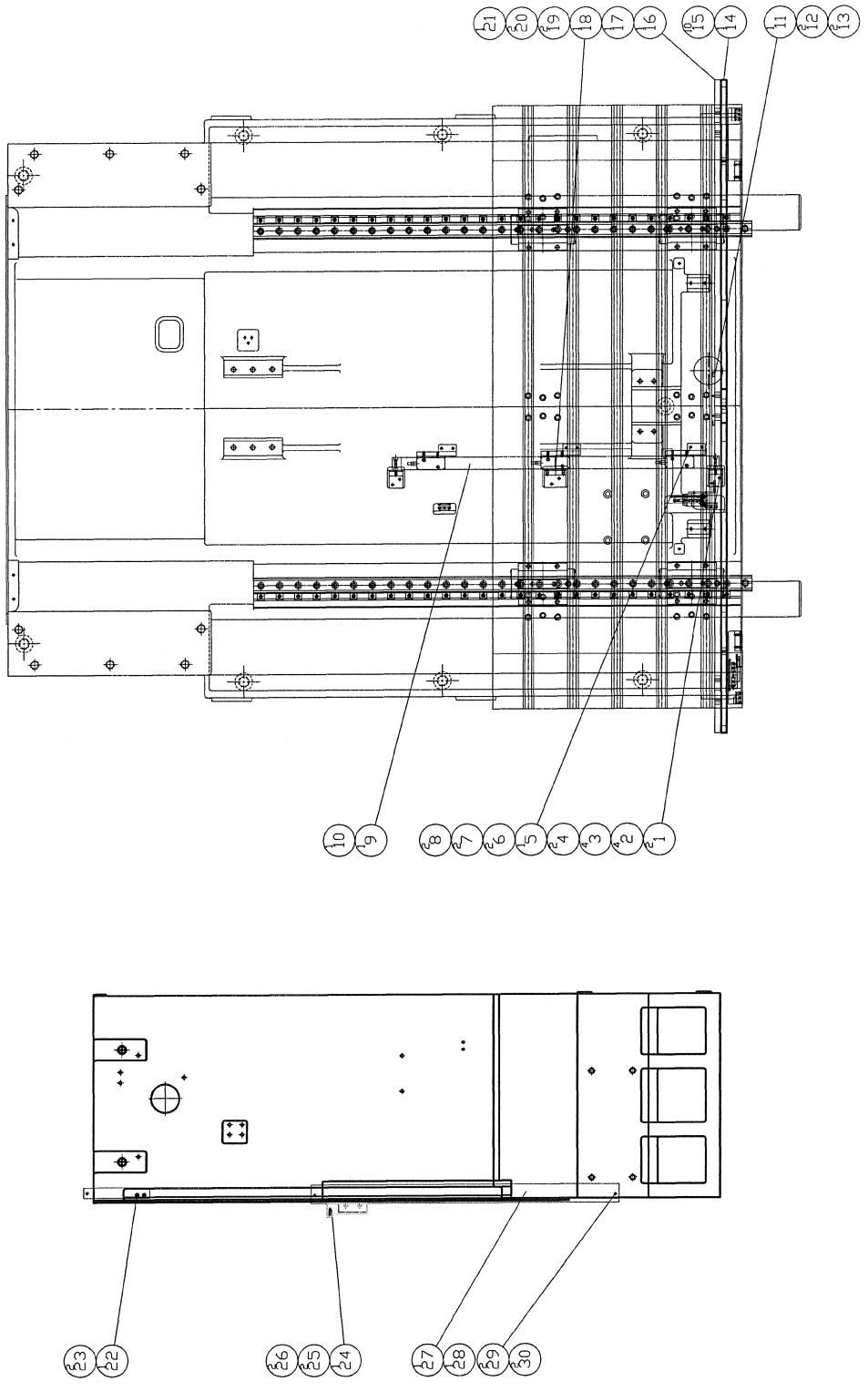
Description: LINEAR SCALE(X,Y,Z AXIS)
光學尺(X,Y,Z軸)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 001066123D	BRACKET, Y-AXIS LINEAR SCALE	Y軸光學尺座	L95xW50xH40	2.00	EA
2.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
3.00	MS 0103619	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL25	4.00	EA
4.00	MS 0103622	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL40	4.00	EA
5.00	NV 00028340300	LINEAR SCALE	光學尺	MSA 370.63P/720mm (MSA3706/72	1.00	ST
6.00	NV 000301131I	Y AXIS SCALE CABLE (FANUC)	Y 軸光學尺信號線(FANUC)	ASSM	1.00	ST
7.00	GX 001066105D	BRACKET, Y-AXIS LINEAR SCALE	Y軸讀頭座	L111.5xW94xH35	1.00	EA
8.00	MS 0103622	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL40	2.00	EA
9.00	MS 0103619	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL25	2.00	EA
10.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
11.00	MS 0103418	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M4xP0.7xL20	2.00	EA
12.00	MS 0103620	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL30	2.00	EA
13.00	GX 001066104D	BRACKET, X-AXIS LINEAR SCALE	X軸讀頭座	L150xW13xH8	1.00	EA
14.00	GX 001066106D	BRACKET, X-AXIS SCALE	X軸光學尺固定座	L770xW44.5xH15	2.00	EA
15.00	MS 0103418	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M4xP0.7xL20	8.00	EA
16.00	GX 001066107D	BRACKET, Y-AXIS LINEAR SCALE	Y軸光學尺座	L114xW60xH50	1.00	EA
17.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
18.00	MS 0103619	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL25	2.00	EA
19.00	MS 0103622	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL40	2.00	EA
20.00	NV 000301131H	X AXIS SCALE CABLE (FANUC)	X 軸光學尺信號線 (FANUC)	ASSM	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00028340316	LINEAR SCALE	光學尺	MSA 671.63P/1340mm (MSA6716 /	1.00	EA
22.00	NVA001066106A	BRACKET, LINEAR SCALE	光學尺上座	L185xW30xH15	1.00	EA
23.00	MS 0103618	SOCKET HEAD CAP SCREW	六角圓頭螺絲	M6xP1.0xL20	2.00	EA
24.00	GX 001066109D	BRACKET,Z-AXIS LINEAR SCALE	Z軸光學尺讀頭座	L112.5xW37xH37.5	1.00	EA
25.00	MS 0103622	SOCKET HEAD CAP SCREW	六角圓頭螺絲	M6xP1.0xL40	2.00	ST
26.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	ST
27.00	NV 000301131J	Z AXIS SCALE CABLE (FANUC)	Z 軸光學尺信號線(FANUC)	ASSM	1.00	EA
28.00	NV 00028340300	LINEAR SCALE	光學尺	MSA 370.63P/720mm (MSA3706/ 72	1.00	EA
29.00	MS 0103818	SOCKET HEAD CAP SCREW	六角圓頭螺絲	M8xP1.25xL20	2.00	EA
30.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	2.00	EA

REV	DESCRIPTION	DATE	EDN
A	零件表	2006/9/1	212



MODEL: GX 1600#40/#50	PART NUMBER: GX 00022401E
PART NAME: LINEAR SCALE(X,Y,Z-AXIS)	PAGE: 1 OF 1
光學尺(X,Y,Z軸)	REV: A
DATE: 2006/9/1	SCALE: 1:20

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000022401E

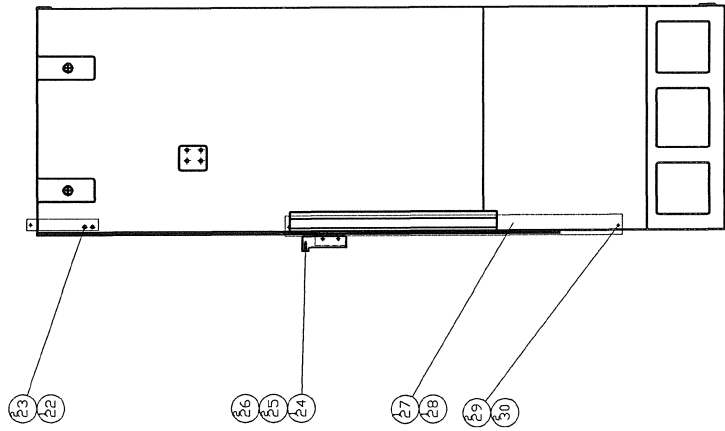
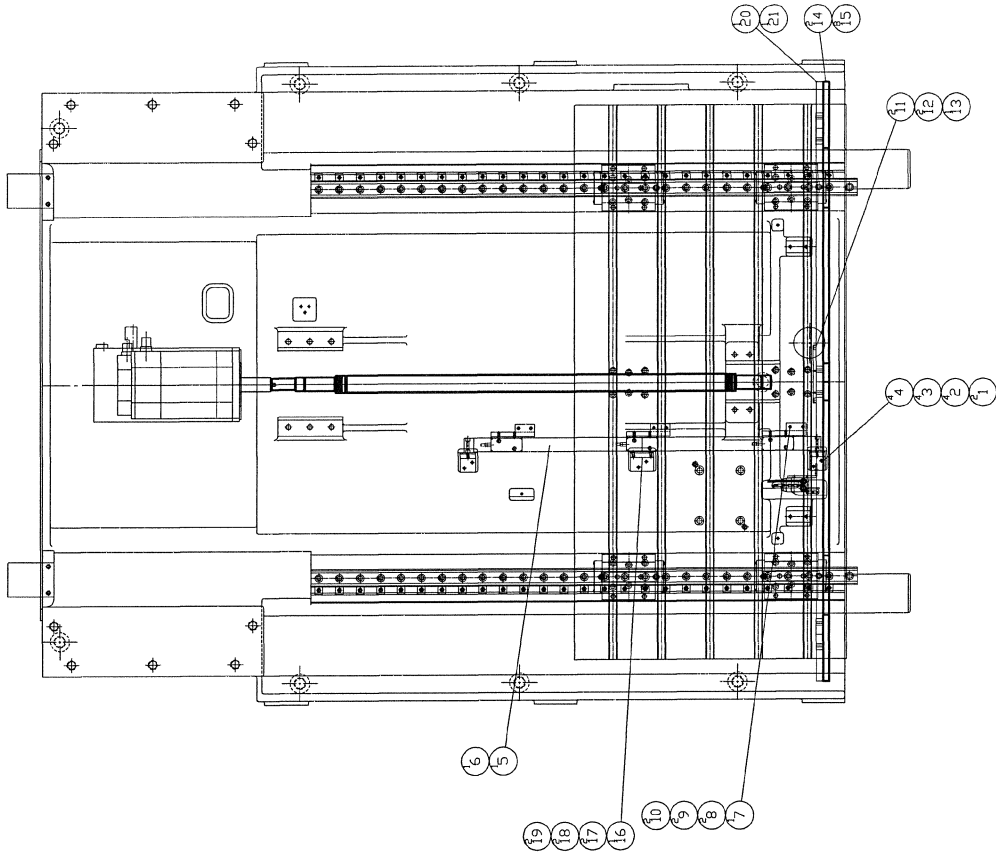
Description: LINEAR SCALE(X,Y,Z AXIS)
光學尺(X,Y,Z軸)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 001066123D	BRACKET, Y-AXIS LINEAR SCALE	Y軸光學尺座	L95xW50xH40	2.00	EA
2.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
3.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	4.00	EA
4.00	MS 0103622	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL40	4.00	EA
5.00	GX 001066105D	BRACKET, Y-AXIS LINEAR SCALE	Y軸讀頭座	L111.5xW94xH35	1.00	EA
6.00	MS 0103622	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL40	2.00	EA
7.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	2.00	EA
8.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
9.00	NV 00028340300	LINEAR SCALE	光學尺	MSA 370.63P/720mm (MSA3706/ 72	1.00	ST
10.00	NV 0003011I31I	Y AXIS SCALE CABLE (FANUC)	Y 軸光學尺信號線(FANUC)	ASSM	1.00	ST
11.00	GX 001066104D	BRACKET, X-AXIS LINEAR SCALE	X軸讀頭座	L150xW13xH8	1.00	EA
12.00	MS 0103620	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL30	2.00	EA
13.00	MS 0103418	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL20	2.00	EA
14.00	GX 001066106E	BRACKET, X-AXIS SCALE	X軸光學尺固定座	L920xW49.5xH10	1.00	EA
15.00	MS 0103418	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL20	10.00	EA
16.00	NV 0003011I31H	X AXIS SCALE CABLE (FANUC)	X 軸光學尺信號線 (FANUC)	ASSM	1.00	ST
17.00	NV 00028340317	LINEAR SCALE	光學尺	MSA 671.63P/1640mm (MSA6716 /	1.00	EA
18.00	GX 001066107D	BRACKET, Y-AXIS LINEAR SCALE	Y軸光學尺座	L114xW60xH50	1.00	EA
19.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
20.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MS 0103622	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL40	1.00	EA
22.00	NVA001066106A	BRACKET, LINEAR SCALE	光學尺上座	L185xW30xH15	1.00	EA
23.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
24.00	GX 001066109D	BRACKET,Z-AXIS LINEAR SCALE	Z軸光學尺讀頭座	L112.5xW37xH37.5	1.00	EA
25.00	MS 0103622	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL40	2.00	EA
26.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
27.00	NV 0003011I31J	Z AXIS SCALE CABLE (FANUC)	Z 軸光學尺信號線(FANUC)	ASSM	1.00	ST
28.00	NV 00028340300	LINEAR SCALE	光學尺	MSA 370.63P/720mm (MSA3706/ 72)	1.00	ST
29.00	MS 0103818	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL20	2.00	EA
30.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	2.00	EA

REV	DESCRIPTION	DATE	ENCL
A	零件分解圖	2006/9/1	



MODEL: GX 1300#40/#50

PART NAME: LINEAR SCALE(X,Y,Z-AXIS,SIEMENS)

光學(X,Y,Z軸,SIEMENS)

DATE: 2006/9/1

SCALE: 1:20

REV: A

PART NUMBER: GX 000022401DS

PAGE: 1 OF 1

REV: A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000022401DS

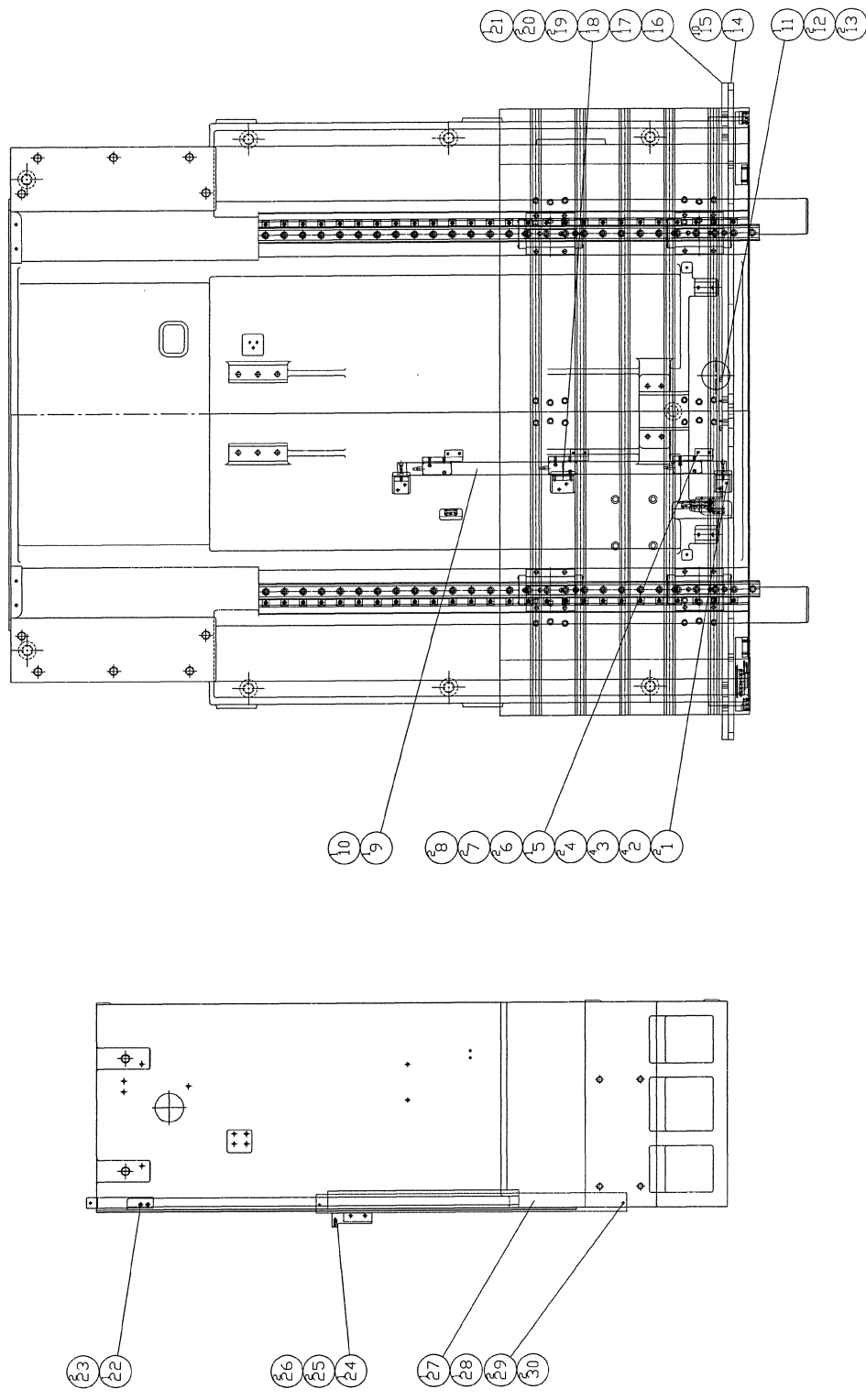
Description: LINEAR SCALE(X,Y,Z-AXIS,SIEMEN
光學尺(XYZ軸,SIEMENS)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 001066123D	BRACKET, Y-AXIS LINEAR SCALE	Y軸光學尺座	L95xW50xH40	2.00	EA
2.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
3.00	MS 0103619	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL25	4.00	EA
4.00	MS 0103622	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL40	4.00	EA
5.00	NV 00028340306	LINEAR SCALE	光學尺	MSA 370.03P/720mm (MSA3700-2	1.00	ST
6.00	NV 0003011S376	Y AXIS LINEAR SCALE CBALE	Y 軸光學尺信號線	ASSM	1.00	ST
7.00	GX 001066105D	BRACKET, Y-AXIS LINEAR SCALE	Y軸讀頭座	L111.5xW94xH35	1.00	EA
8.00	MS 0103622	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL40	2.00	EA
9.00	MS 0103619	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL25	2.00	EA
10.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
11.00	MS 0103418	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M4xP0.7xL20	2.00	EA
12.00	MS 0103620	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL30	2.00	EA
13.00	GX 001066104D	BRACKET, X-AXIS LINEAR SCALE	X軸讀頭座	L150xW13xH8	1.00	EA
14.00	GX 001066106D	BRACKET, X-AXIS SCALE	X軸光學尺固定座	L770xW44.5xH15	2.00	EA
15.00	MS 0103418	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M4xP0.7xL20	8.00	EA
16.00	GX 001066107D	BRACKET, Y-AXIS LINEAR SCALE	Y軸光學尺座	L114xW60xH50	1.00	EA
17.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
18.00	MS 0103619	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL25	2.00	EA
19.00	MS 0103622	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL40	2.00	EA
20.00	NV 0003011S375	X AXIS LINEAR SCALE CABLE	X 軸光學尺信號線	ASSM	1.00	ST

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00028340314	LINEAR SCALE	光學尺	MSA 671.03P/1340mm (MSA6710 1V)	1.00	EA
22.00	NVA001066106A	BRACKET, LINEAR SCALE	光學尺上座	L185xW30xH15	1.00	EA
23.00	MS 0103618	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL20	2.00	EA
24.00	GX 001066109D	BRACKET,Z-AXIS LINEAR SCALE	Z軸光學尺讀頭座	L112.5xW37xH37.5	1.00	EA
25.00	MS 0103622	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M6xP1.0xL40	2.00	EA
26.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
27.00	NV 0003011S377	Z AXIS LINEAR SCALE CABLE	Z 軸光學尺信號線	ASSM	1.00	ST
28.00	NV 00028340306	LINEAR SCALE	光學尺	MSA 370.03P/720mm (MSA3700-2)	1.00	ST
29.00	MS 0103818	SOCKET HEAD CAP SCREW	六角六圓頭螺絲	M8xP1.25xL20	2.00	EA
30.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	新仕様	2006/9/1	212



MODEL: GX 1600#40/#50	PART NUMBER GX 000022401ES
PART NAME LINEAR SCALE(X,Y,Z-AXIS,SIEMENS) 光学(X,Y,Z)軸(SIEMENS)	PAGE 1 OF 1
DATE 2006/9/1	REV. A
KURT FORM	SCALE 1:20

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000022401ES

Description: LINEAR SCALE(X,Y,Z-AXIS,SIEMEN
光學尺(XYZ軸,SIEMENS)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 001066123D	BRACKET, Y-AXIS LINEAR SCALE	Y軸光學尺座	L95xW50xH40	2.00	EA
2.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
3.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	4.00	EA
4.00	MS 0103622	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL40	4.00	EA
5.00	GX 001066105D	BRACKET, Y-AXIS LINEAR SCALE	Y軸讀頭座	L111.5xW94xH35	1.00	EA
6.00	MS 0103622	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL40	2.00	EA
7.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	2.00	EA
8.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
9.00	NV 00028340306	LINEAR SCALE	光學尺	MSA 370.03P/720mm (MSA3700-2	1.00	ST
10.00	NV 0003011S376	Y AXIS LINEAR SCALE CBALE	Y 軸光學尺信號線	ASSM	1.00	ST
11.00	GX 001066104D	BRACKET, X-AXIS LINEAR SCALE	X軸讀頭座	L150xW13xH8	1.00	EA
12.00	MS 0103620	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL30	2.00	EA
13.00	MS 0103418	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL20	2.00	EA
14.00	GX 001066106E	BRACKET, X-AXIS SCALE	X軸光學尺固定座	L920xW49.5xH10	1.00	EA
15.00	MS 0103418	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL20	10.00	EA
16.00	NV 0003011S375	X AXIS LINEAR SCALE CABLE	X 軸光學尺信號線	ASSM	1.00	ST
17.00	NV 00028340315	LINEAR SCALE	光學尺	MSA 671.03P/1640mm (MSA6710 1V	1.00	EA
18.00	GX 001066107D	BRACKET, Y-AXIS LINEAR SCALE	Y軸光學尺座	L114xW60xH50	1.00	EA
19.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
20.00	MS 0103619	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL25	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

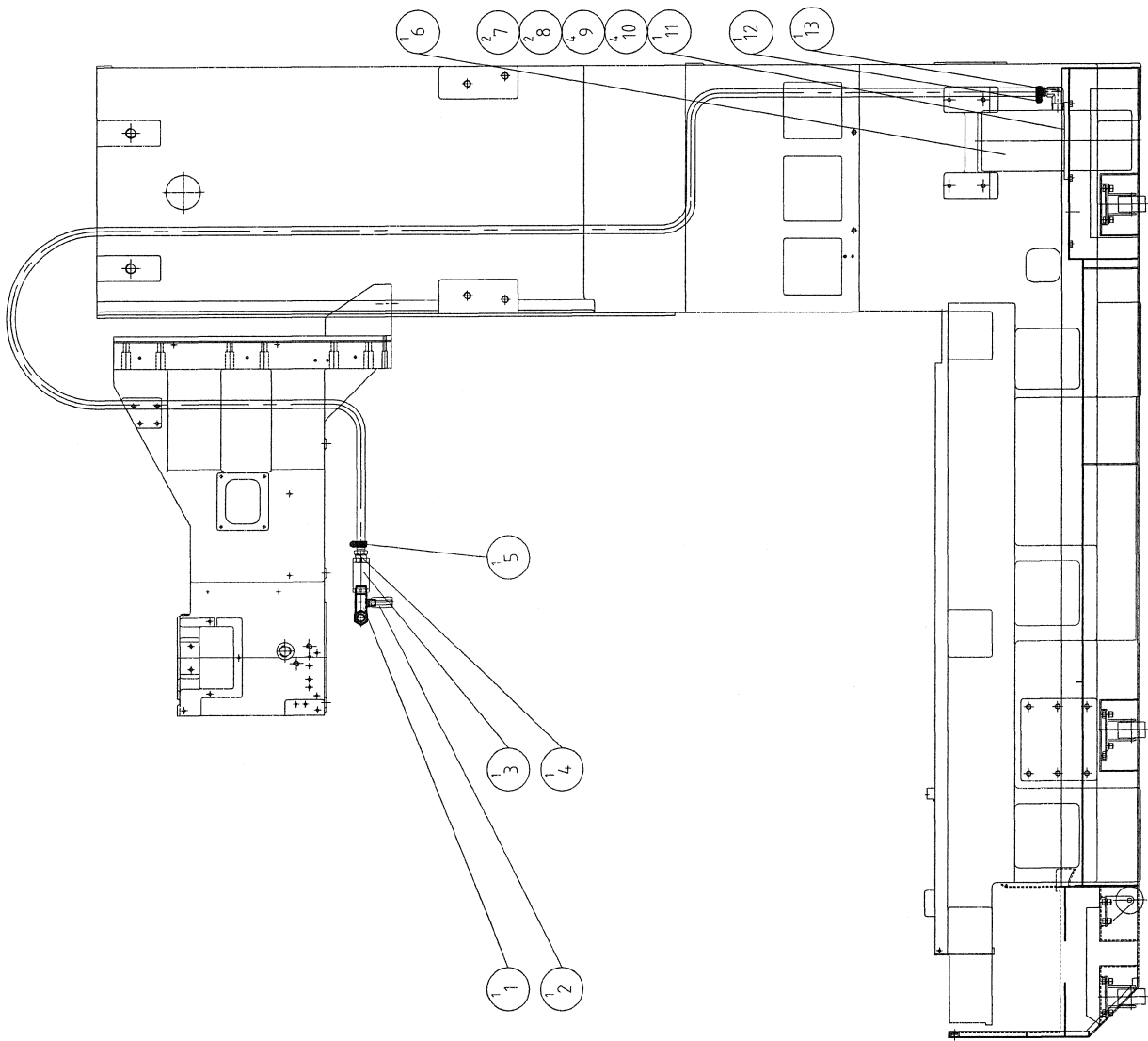
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MS 0103622	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL40	1.00	EA
22.00	NVA001066106A	BRACKET, LINEAR SCALE	光學尺上座	L185xW30xH15	1.00	EA
23.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	2.00	EA
24.00	GX 001066109D	BRACKET,Z-AXIS LINEAR SCALE	Z軸光學尺讀頭座	L112.5xW37xH37.5	1.00	EA
25.00	MS 0103622	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL40	2.00	EA
26.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
27.00	NV 0003011S377	Z AXIS LINEAR SCALE CABLE	Z 軸光學尺信號線	ASSM	1.00	ST
28.00	NV 00028340306	LINEAR SCALE	光學尺	MSA 370.03P/720mm (/MSA3700-2	1.00	ST
29.00	MS 0103818	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL20	2.00	EA
30.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	2.00	EA

Chapter 3

切削水管路

Piping Parts

REV	DESCRIPTION	DATE	EDA
A	標準水配管	2007/3/21	



MODEL: GX 1300/GX 1600

PART NAME

STANDARD PIPING PARTS (4.0 PSI)

一般切削水配管 (4.0 PSI)

DATE 2006/01/10

DRAWN

SCALE 1:15

REV A

PART NUMBER

GX 00033104.1D

PAGE 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

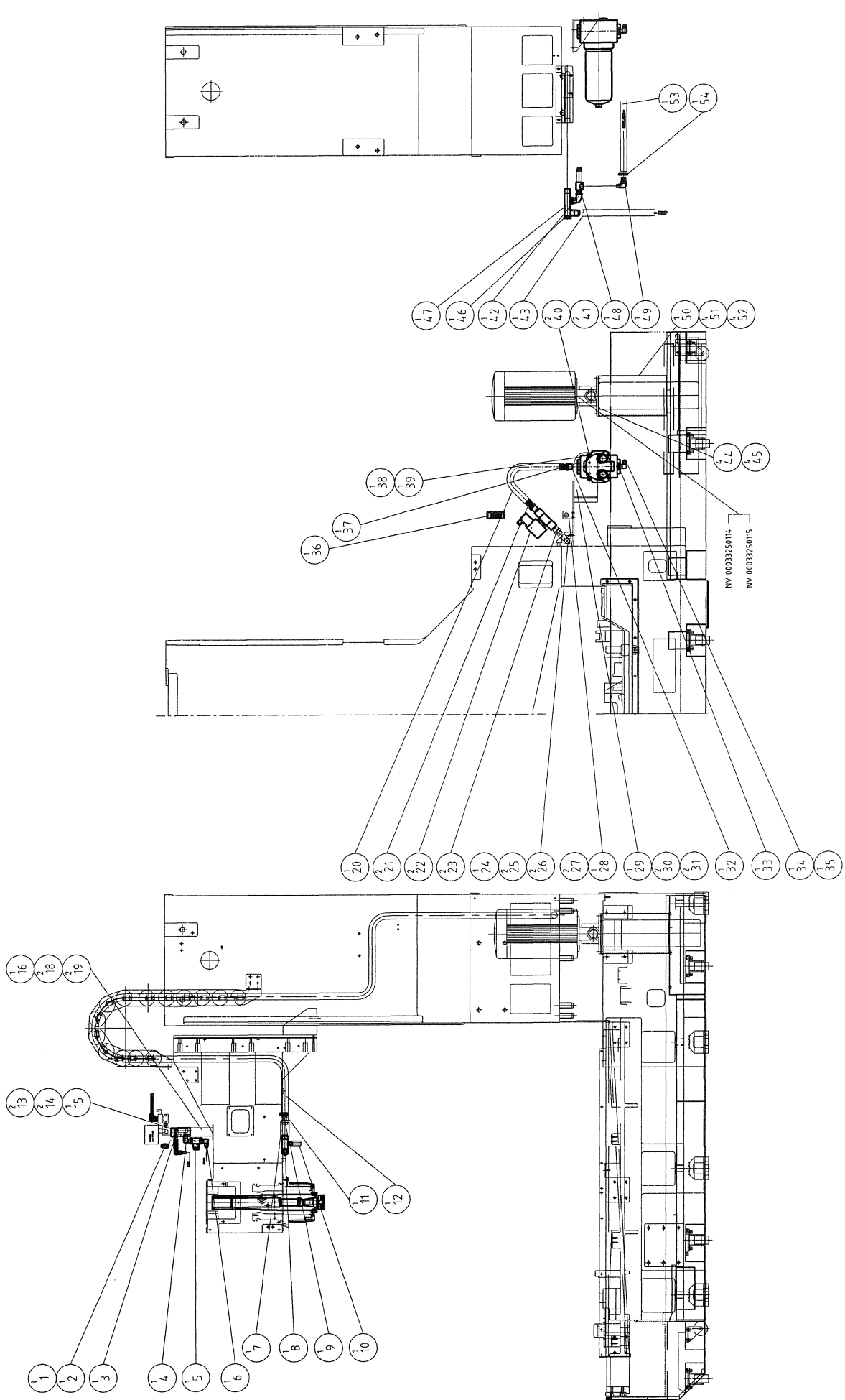
Master Item Part NO.: GX 000331041D

Description: STANDARD PIPING PARTS(40 PSI)

一般切削水管路(40 PSI)

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00 NV 001010911A	MULTIPLX ADAPTER	多向接頭	PT3/4Xpt3/4Xpt3/8x89.7L	1.00	EA
2.00 NV 00100590112	CHECK VALVE, AIR	風壓逆止閥	PT3/8(CV-03)	1.00	EA
3.00 NV 00100590111	CHECK VALVE	逆止閥	[TA SHIN] PT3/4"(PRESSURE 0.3	1.00	EA
4.00 NV 00077030504	CONNECTOR	插心直接頭	PT3/4"Xφ3/4"	1.00	EA
5.00 NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
6.00 BL 00033250101	PUMP, COOLANT	切削水泵浦	[GRUNDFOS] MTH4-20	1.00	ST
7.00 MN 0113810	HEXAGON NUT	六角螺帽	M8xP1.25	2.00	EA
8.00 MS 0353818	Wing Screw	翼型螺絲	M8xP1.25xL20	2.00	EA
9.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
10.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
11.00 BL 000299024A	COVER	蓋板	L220xd145xH5	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"Xφ3/4"	1.00	EA

REV	DESCRIPTION	DATE	EDA
A	零件拆圖	2007/2/6	



MODEL: GX 1300/GX 1600	SCALE: 1:25	REV: A
PART NAME: CTS PIPING PARTS(280 PSI) 中心給水切消水管路(280 PSI)		
PART NUMBER: GX 000331040D		
PAGE: 1 OF 1		
DATE: 2007/2/5	ENGINEER: CHEN	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000331040D

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
1.00	NV 00069650104	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	HOSE 9/16-18UNFX670L(135 degree)	1.00	EA
2.00	NV 00077030208	NIPPLE, STRAIGHT	直接頭	PT3/8x9/16-18UNF	1.00	EA
3.00	NV 00077030206	NIPPLE, STRAIGHT	立布管	PT1/4"XPT1/4"X30L(P012)	1.00	EA
4.00	NV 00077031505	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)XPT3/8"(male)	1.00	EA
5.00	NV 00100590103	CHECK VALVE, COOLANT	切削水逆止閥	PT1/2	1.00	EA
6.00	NV 00077031506	ELBOW, 90 DEG MALE	90度肘管接頭(擴內孔搭@特殊件)	PT1/2"maleX9/16"-18UNFmale擴孔噴	1.00	EA
7.00	NV 00100590111	CHECK VALVE	逆止閥	[TA SHIN] PT3/4"(PRESSURE 0.3	1.00	EA
8.00	NV 001010911A	MULTIPLX ADAPTER	多向接頭	PT3/4Xpt3/4Xpt3/8x89.7L	1.00	EA
9.00	NV 00077030504	CONNECTOR	插心直接頭	PT3/4"XΦ3/4"	1.00	EA
10.00	NV 00100590112	CHECK VALVE, AIR	風壓逆止閥	PT3/8(CV-03)	1.00	EA
11.00	NV 00069660304	CLAMP, HOSE (20kg/cm ²)	不銹鋼管夾(20kg/cm ²)	1 1/4"	1.00	EA
12.00	NV 00069650229	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2x6.4M	1.00	EA
13.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
14.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
15.00	NV 001066112A	MANIFOLD, THRU SPD COOLANT	水氣轉換架	L86XW25XH38	1.00	EA
16.00	NVA000199093A	BRACKET, MANIFOLD CTS	水氣轉換支撐架	L186XW28XH53	1.00	EA
18.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
19.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
20.00	NV 00069650179	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-1 1/16-12UNF-x0.4m	1.00	EA
21.00	NV 00077030234	CONNECTOR	直接頭	PT3/4"x1 1/16-12UNF	2.00	EA

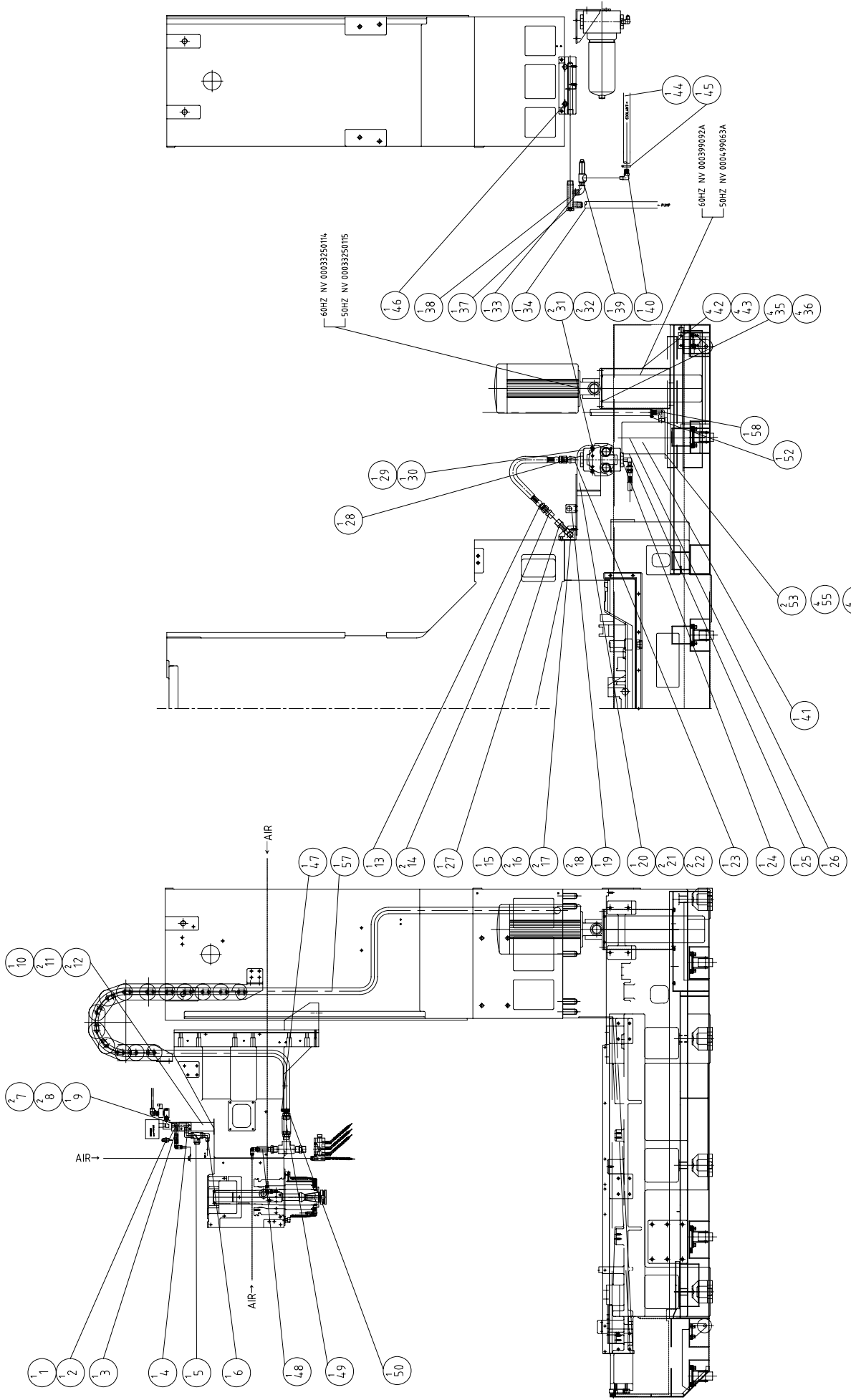
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
22.00	NV 00100590113	3/4-SOLENOID	二口二位電磁閥	3/4-110V (20kg/cm ²)	2.00	ST
23.00	NV 00077030207	CONNECTOR, STRAIGHT	直接頭	PT3/4"XPT3/4"	2.00	EA
24.00	NV 001066111A	BRACKET, COOLANT VALVE	冷卻水閥固定架(中心給水)	L254XW62XH76.2	1.00	EA
25.00	MS 0104020	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL30	2.00	EA
26.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
27.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
28.00	NV 000199064A	SUPPORT, SILENCER	消音器座	L35XW45XH25	1.00	EA
29.00	NVB000199091A	BRACKET, FILTER	過濾器支撐架	L397.8xW150xH110	1.00	EA
30.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	2.00	EA
31.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
32.00	NV 00077030234	CONNECTOR	直接頭	PT3/4"x1 1/16-12UNF	1.00	EA
33.00	NV 00077031217	BUSHING	卜申接頭	PT1-1/4"XPT3/8"	1.00	EA
34.00	NV 00077031504	ELBOW, 90 DEG MALE	90度肘管接頭	PT3/8"(male)X9/16"-18UNF(male)	1.00	EA
35.00	NV 00069650103	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	HOSE 9/16-18UNFX5m	1.00	EA
36.00	NV 001030257A	TAG, COOLANT THROUGH SPINDLE	中心給水銘牌(英)	L76xW30	1.00	EA
37.00	NV 00077031216	BUSHING	卜申接頭	PT1-1/4"XPT3/4"	1.00	EA
38.00	NV 00116140114	FILTER BODY & FILTER, CTS	過濾器(本體+濾網)(CTS)	FLS 180/1 (FILTER CR 180/1)	1.00	ST
39.00	NV 00116140115	FILTER ELEMENT	濾網	[FLS] CR180/1	1.00	EA
40.00	NV 000668407A	SOCKET HEAD. CAP SCREW	英制螺絲	5/16-18UNCX3/4"	2.00	EA
41.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
42.00	NV 00077030302	ELBOW, BRASS 90 DEG FEMALE	90度內雙螺紋肘管	PT1/2xPT1/2	1.00	EA
43.00	NV 00069650178	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-1 1/16-12UNFX1.8m	1.00	EA
44.00	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
45.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
46.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	1.00	EA
47.00	NVA001010913A	MULTIPLY ADAPTER	多向接頭	PT3/4Xpt1/2x1 1/16-12UNFxL132	1.00	EA
48.00	NV 00100590114	RELIEVE VALVE	洩載閥	PT1/2"x 20kg/cm^2	1.00	EA
49.00	NV 00077030509	CONNECTOR, 90 DEGREE	90度插心接頭	PT1/2"x φ 3/4"	1.00	EA
50.00	NV 000399092A	SEAT, COOLANT PUMP	切削水泵座	L228xW180xH306.3	1.00	EA
51.00	MS 0103818	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL20	4.00	EA
52.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	4.00	EA
53.00	NV 00069650105	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2(L 1.8 m)	1.00	MT
54.00	NV 00069660304	CLAMP, HOSE (20kg/cm^2)	不銹鋼管夾(20kg/cm^2)	1 1/4"	1.00	EA

REV	DESCRIPTION	DATE	ECK
A	零件表	2007/10/11	田中



MODEL: GX 1300/GX 1600	SCALE: 1:25	REV: A
PART NAME: CTS PIPING PARTS (XR CHILLER SPECIAL) (40/280 PSI)	DRAWN BY: DARREN PHILLIPS	DATE: 2007/10/11
PART NUMBER: GX 000331042D	DATE: 2007/10/11	SCALE: 1:25
PAGE: 1 OF 1	REV: A	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000331042D

Description: CTS PIPING PARTS(XR)(40/280PSI)

中心給水切削水管路(XR有冷凍機專用)(40/280 PSI)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00069650104	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	HOSE 9/16-18UNFX670L(135 degre	1.00	EA
2.00	NV 00077030208	NIPPLE, STRAIGHT	直接頭	PT3/8x9/16-18UNF	1.00	EA
3.00	NV 00077030206	NIPPLE, STRAIGHT	立布管	PT1/4"XPT1/4"X30L(P012)	1.00	EA
4.00	NV 00077031505	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)XPT3/8"(male)	1.00	EA
5.00	NV 00100590103	CHECK VALVE, COOLANT	切削水逆止閥	PT1/2	1.00	EA
6.00	NV 00077031506	ELBOW, 90 DEG MALE	90度肘管接頭(擴內孔搭@特殊件)	PT1/2"maleX9/16"-18UNFmale擴孔噴	1.00	EA
7.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
8.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
9.00	NV 001066112A	MANIFOLD, THRU SPD COOLANT	水氣轉換架	L86XW25XH38	1.00	EA
10.00	NVA000199093A	BRACKET, MANIFOLD CTS	水氣轉換支撐架	L186XW28XH53	1.00	EA
11.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
12.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
13.00	NV 00069650179	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-1 1/16-12UNFx0.4m	1.00	EA
14.00	NV 00077030234	CONNECTOR	直接頭	PT3/4"x7/8"-14UNF	1.00	EA
15.00	NV 001066111A	BRACKET, COOLANT VALVE	冷卻水閥固定架(中心給水)	L254XW62XH76.2	1.00	EA
16.00	MS 0104020	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL30	2.00	EA
17.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
18.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
19.00	NV 000199064A	SUPPORT, SILENCER	消音器座	L35XW45XH25	1.00	EA
20.00	NVB000199091A	BRACKET,FILTER	過濾器支撐架	L397.8xW150xH110	1.00	EA

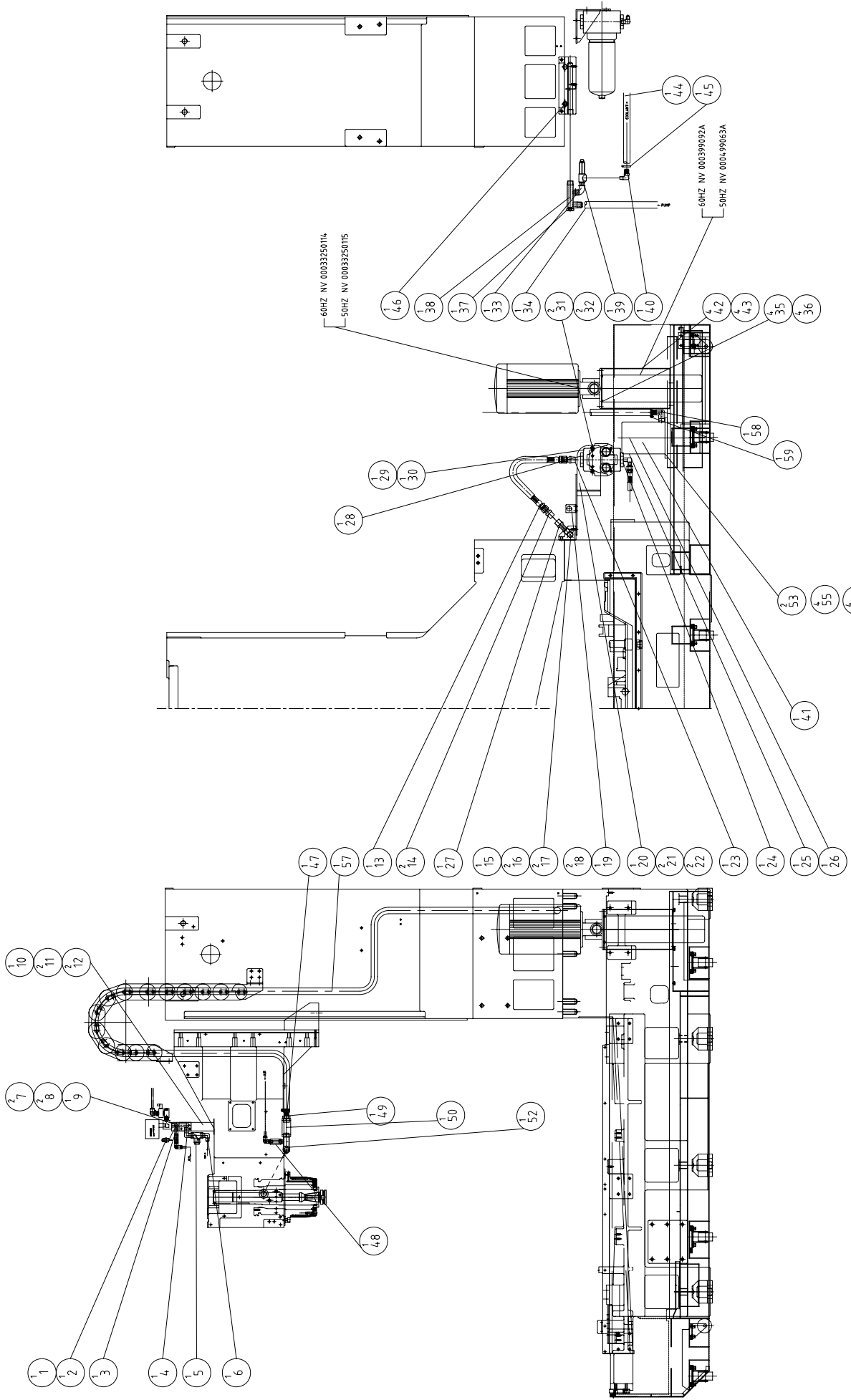
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	2.00	EA
22.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
23.00	NV 00077030234	CONNECTOR	直接頭	PT3/4"x7/8"-14UNF	1.00	EA
24.00	NV 00077031217	BUSHING	卜申接頭	PT1-1/4"XPT3/8"	1.00	EA
25.00	NV 00077031504	ELBOW, 90 DEG MALE	90度肘管接頭	PT3/8"(male)X9/16"-18UNF(male)	1.00	EA
26.00	NV 00069650103	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	HOSE 9/16-18UNFX5m	1.00	EA
27.00	NV 00077031228	BUSHING, BRASS	卜申接頭	PT3/4"Xpt3/4	1.00	EA
28.00	NV 00077031216	BUSHING	卜申接頭	PT1-1/4"XPT3/4"	1.00	EA
29.00	NV 00116140114	FILTER BODY & FILTER, CTS	過濾器(本體+濾網)(CTS)	FLS 180/1 (FILTER CR 180/1)	1.00	ST
30.00	NV 00116140115	FILTER ELEMENT	濾網	[FLS] CR180/1	1.00	EA
31.00	MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	2.00	EA
32.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
33.00	NV 00077030302	ELBOW, CAST IRON, 90°, FEMALE	90度內雙螺紋肘管	PT1/2xPT1/2	1.00	EA
34.00	NV 00069650198	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-1 1/16-12UNFx1.5m	1.00	EA
35.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
36.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
37.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	1.00	EA
38.00	NVA001010913A	MULTIPLY ADAPTER	多向接頭	PT3/4Xpt1/2x1 1/16-12UNFxL132	1.00	EA
39.00	NV 00100590114	RELIEVE VALVE	洩載閥	PT1/2"x 20kg/cm^2	1.00	EA
40.00	NV 00077030509	CONNECTOR, 90 DEGREE	90度插心接頭	PT1/2"x φ 3/4"	1.00	EA
41.00	BL 00033250101	PUMP, COOLANT	切削水泵浦	[GRUNDFOS] MTH4-20	1.00	EA
42.00	MS 0103818	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL20	4.00	EA
43.00	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
44.00	NV 00069650105	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2(L 1.8 m)	1.00	MT
45.00	NV 00069660304	CLAMP, HOSE (20kg/cm^2)	不銹鋼管夾(20kg/cm^2)	1 1/4"	1.00	EA
46.00	NV 00077031706	PLUG, SOCKET HEX.	塞頭	PT3/4	1.00	EA
47.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
48.00	NV 00100590112	CHECK VALVE, AIR	風壓逆止閥	PT3/8(CV-03)	1.00	EA
49.00	NV 00100590111	CHECK VALVE	逆止閥	[TA SHIN] PT3/4"(PRESSURE 0.3	1.00	EA
50.00	NV 00077030504	CONNECTOR	插心直接頭	PT3/4"XΦ3/4"	1.00	EA
51.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
52.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
53.00	MN 0113810	HEXAGON NUT	六角螺帽	M8xP1.25	2.00	EA
54.00	BL 000299024A	COVER	蓋板	L220xd145xH5	4.00	EA
55.00	MS 0353818	Wing Screw	翼型螺絲	M8xP1.25xL20	4.00	EA
56.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
57.00	NV 00069650251	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2x7.4M	1.00	EA
58.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"XΦ3/4"	1.00	EA

REV	DESCRIPTION	DATE	ECK
A	零件表	2007/10/15	ES



MODEL: GX 1300/GX 1600	SCALE: 1:25	REV: A
PART NAME: CTS PIPING PARTS I XR WITHOUT CHILLER SPECIAL (4.0/280 PSI)	DRAWN BY: DARRIN P. HILL	DATE: 2007/10/15
PART NUMBER: GX 00033104.3D	DATE: 2007/10/15	SCALE: 1:25
PAGE: 1 OF 1	REV: A	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000331043D

Description: CTS PIPING PARTS(XR)(40/280PSI

中心給水切削水管路(XR無冷凍機專用)(40/280 PSI

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00069650104	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	HOSE 9/16-18UNFX670L(135 degre	1.00	EA
2.00	NV 00077030208	NIPPLE, STRAIGHT	直接頭	PT3/8x9/16-18UNF	1.00	EA
3.00	NV 00077030206	NIPPLE, STRAIGHT	立布管	PT1/4"XPT1/4"X30L(P012)	1.00	EA
4.00	NV 00077031505	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)XPT3/8"(male)	1.00	EA
5.00	NV 00100590103	CHECK VALVE, COOLANT	切削水逆止閥	PT1/2	1.00	EA
6.00	NV 00077031506	ELBOW, 90 DEG MALE	90度肘管接頭(擴內孔搭@特殊件)	PT1/2"maleX9/16"-18UNFmale擴孔噴	1.00	EA
7.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
8.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
9.00	NV 001066112A	MANIFOLD, THRU SPD COOLANT	水氣轉換架	L86XW25XH38	1.00	EA
10.00	NVA000199093A	BRACKET, MANIFOLD CTS	水氣轉換支撐架	L186XW28XH53	1.00	EA
11.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
12.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
13.00	NV 00069650179	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-1 1/16-12UNFx0.4m	1.00	EA
14.00	NV 00077030234	CONNECTOR	直接頭	PT3/4"x7/8"-14UNF	1.00	EA
15.00	NV 001066111A	BRACKET, COOLANT VALVE	冷卻水閥固定架(中心給水)	L254XW62XH76.2	1.00	EA
16.00	MS 0104020	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL30	2.00	EA
17.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	2.00	EA
18.00	MS 0103615	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL10	2.00	EA
19.00	NV 000199064A	SUPPORT, SILENCER	消音器座	L35XW45XH25	1.00	EA
20.00	NVB000199091A	BRACKET,FILTER	過濾器的支撐架	L397.8xW150xH110	1.00	EA

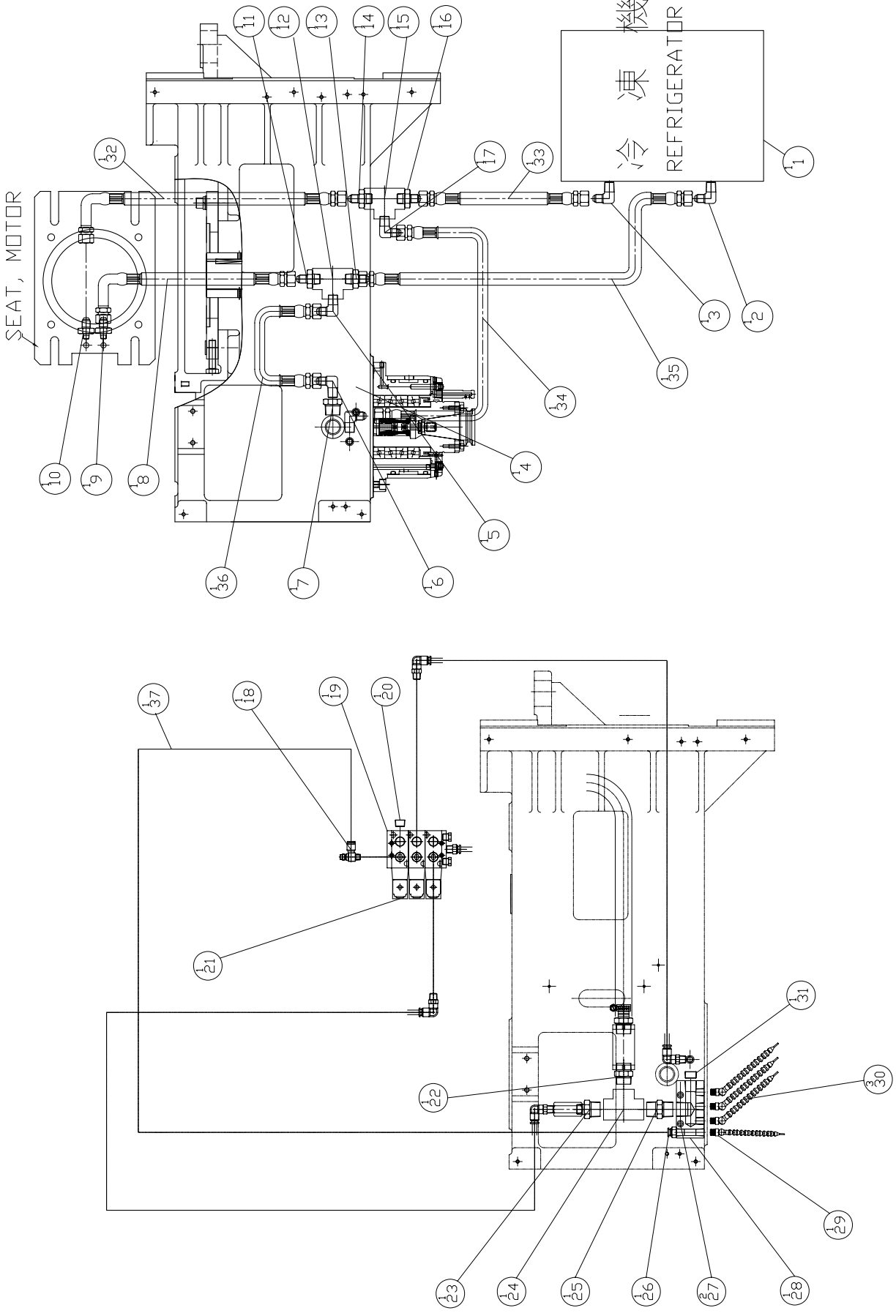
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	MS 0103819	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL25	2.00	EA
22.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
23.00	NV 00077030234	CONNECTOR	直接頭	PT3/4"x7/8"-14UNF	1.00	EA
24.00	NV 00077031217	BUSHING	卜申接頭	PT1-1/4"XPT3/8"	1.00	EA
25.00	NV 00077031504	ELBOW, 90 DEG MALE	90度肘管接頭	PT3/8"(male)X9/16"-18UNF(male)	1.00	EA
26.00	NV 00069650103	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	HOSE 9/16-18UNFX5m	1.00	EA
27.00	NV 00077031228	BUSHING, BRASS	卜申接頭	PT3/4"Xpt3/4	1.00	EA
28.00	NV 00077031216	BUSHING	卜申接頭	PT1-1/4"XPT3/4"	1.00	EA
29.00	NV 00116140114	FILTER BODY & FILTER, CTS	過濾網(本體+濾網)(CTS)	FLS 180/1 (FILTER CR 180/1)	1.00	ST
30.00	NV 00116140115	FILTER ELEMENT	濾網	[FLS] CR180/1	1.00	EA
31.00	MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	2.00	EA
32.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
33.00	NV 00077030302	ELBOW, CAST IRON, 90°, FEMALE	90度內雙螺紋肘管	PT1/2xPT1/2	1.00	EA
34.00	NV 00069650198	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-1 1/16-12UNFx1.5m	1.00	EA
35.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
36.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
37.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	1.00	EA
38.00	NVA001010913A	MULTIPLY ADAPTER	多向接頭	PT3/4Xpt1/2x1 1/16-12UNFxL132	1.00	EA
39.00	NV 00100590114	RELIEVE VALVE	洩載閥	PT1/2"x 20kg/cm^2	1.00	EA
40.00	NV 00077030509	CONNECTOR, 90 DEGREE	90度插心接頭	PT1/2"x φ 3/4"	1.00	EA
41.00	BL 00033250101	PUMP, COOLANT	切削水泵浦	[GRUNDFOS] MTH4-20	1.00	EA
42.00	MS 0103818	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL20	4.00	EA
43.00	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
44.00	NV 00069650105	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2(L 1.8 m)	1.00	MT
45.00	NV 00069660304	CLAMP, HOSE (20kg/cm^2)	不銹鋼管夾(20kg/cm^2)	1 1/4"	1.00	EA
46.00	NV 00077031706	PLUG, SOCKET HEX.	塞頭	PT3/4	1.00	EA
47.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA
48.00	NV 00100590112	CHECK VALVE, AIR	風壓逆止閥	PT3/8(CV-03)	1.00	EA
49.00	NV 00077030219	NIPPLE, STRAIGHT	直接頭	PT3/8"TxPT3/8"T(P013)	1.00	EA
50.00	NV 00077031704	PLUG, SOCKET HEX.	塞頭	PT1/2	1.00	EA
51.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	1.00	EA
52.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X φ 3/4"	1.00	EA
53.00	MN 0113810	HEXAGON NUT	六角螺帽	M8xP1.25	1.00	EA
54.00	BL 000299024A	COVER	蓋板	L220xd145xH5	1.00	EA
55.00	MS 0353818	Wing Screw	翼型螺絲	M8xP1.25xL20	1.00	EA
56.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	1.00	EA
57.00	NV 00069650251	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	3/4"-1Bx8kg/cm2x7.4M	1.00	EA
58.00	NV 00077030506	CONNECTOR, 90 DEGREE	90度插心接頭	PT3/4"X φ 3/4"	1.00	EA
59.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	新設計	2007/10/9	855
B	修正	2007/10/30	890



MODEL: GX 1300/GX 1600	PART NUMBER: GXA000331015D
PART NAME: COOLANT SPINDLE	PAGE 1 OF 1
DATE: 2007/3/8	REV: B
SCALE: 1:10	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GXA000331015D

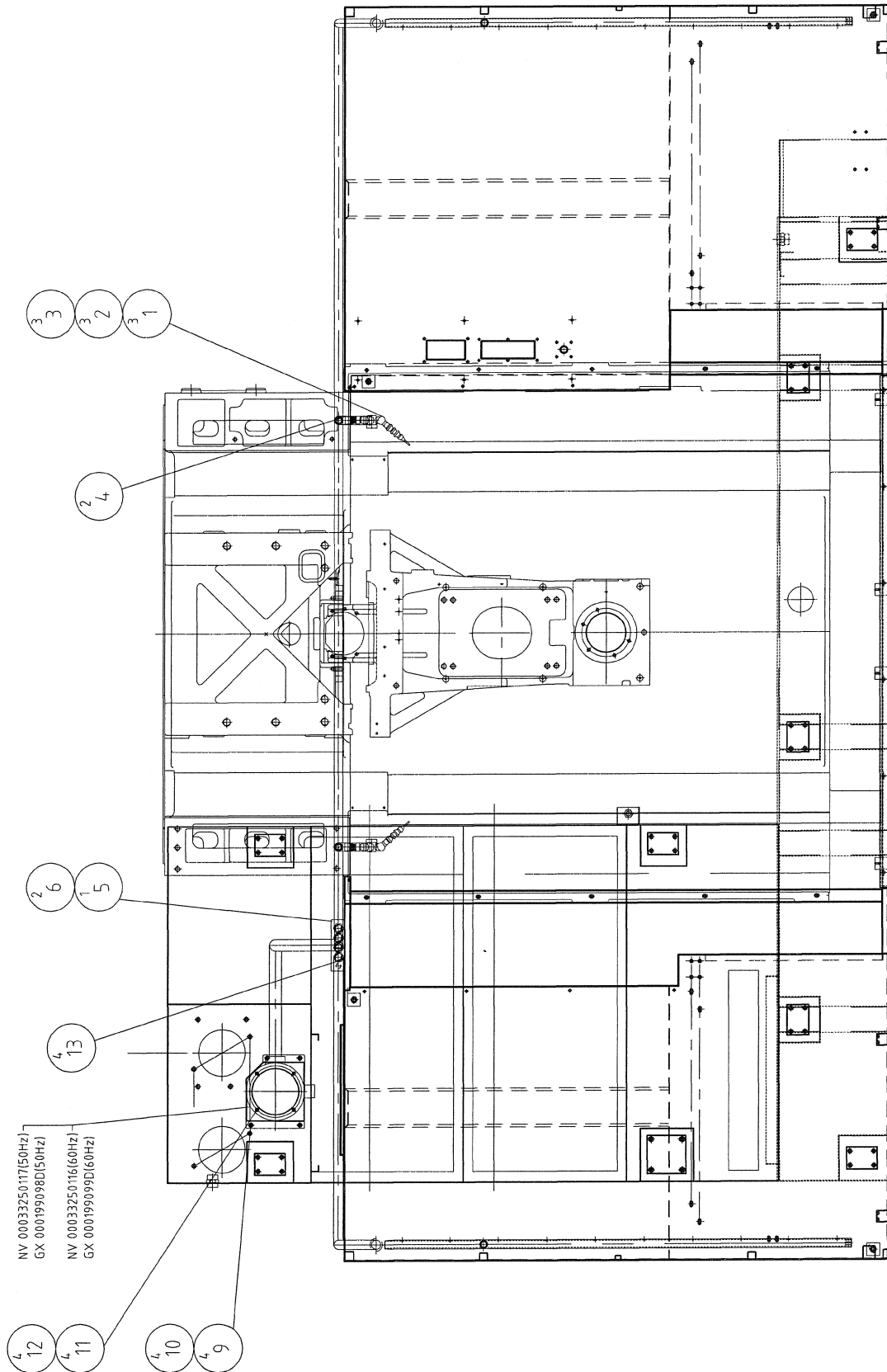
Description: COOLANT SPINDLE
主軸油冷裝置

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 00077031510	ELBOW,90 DEG MALE	90度肘管接頭	PT1/4"maleX7/16"-20UNF male	1.00	EA
5.00	NV 00077031529	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)XW7/16"-20UNF(male)	1.00	EA
6.00	NV 00077031529	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)XW7/16"-20UNF(male)	1.00	EA
7.00	NV 00077031218	BUSHING	卜申接頭	PT3/4"Xpt1/2"	1.00	EA
8.00	NV 00069650177	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管(一直一90度)	R1-Φ 1/4"Xw7/16"-20UNF×0.7M	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 00077031529	ELBOW, 90 DEG MALE	90度肘管接頭	PT1/2"(male)XW7/16"-20UNF(male)	1.00	EA
18.00	NV 00077031303	PRESTO ADAPTER, ELBOW(ADJUSTAB	90度彎肘快速接頭(附調速)	PT1/4xΦ8(JSC8-02A)	1.00	EA
19.00	NV 001023409A	MANIFOLD, PNEUMATIC	歧塊,三聯電磁閥用 M3	M3	1.00	EA
20.00	NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	NV 00030480101	VALVE, 1/4 2 WAY PNEUMATIC	五口二位單線圈	1/4 SOLENOID VALVE 24V	1.00	EA
22.00	NV 00077030207	CONNECTOR, STRAIGHT	直接頭	PT3/4"XPT3/4"	1.00	EA
23.00	NV 00077030224	CONNECTOR, STRAIGHT	直接頭	PT3/4"XPT3/8"	1.00	EA
24.00	NV 00077030405	TEE UNION	內螺紋三通	PT3/4"	1.00	EA
25.00	NV 00077030207	CONNECTOR, STRAIGHT	直接頭	PT3/4"XPT3/4"	1.00	EA
26.00	NV 00077030806	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4Xφ8(JPC8-02)	1.00	EA
27.00	MS 0103622	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL40	2.00	EA
28.00	NV 001023420A	MANIFOLD, LUBRICATION	分油塊	L100xW48xH35	1.00	EA
29.00	NV 00070110104	NOZZLE, COOLANT	冷卻水噴嘴	PT1/4"xφ1.5x17P	1.00	ST
30.00	NV 00070110106	NOZZLE, COOLANT	冷卻水噴嘴	PT3/8"x13Pxφ9.5	3.00	ST
31.00	NV 00077031704	PLUG, SOCKET HEX.	塞頭	PT1/2	1.00	EA
32.00	NV 00069650177	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管(一直-90度)	R1-φ1/4"Xw7/16"-20UNFx0.7M	1.00	EA
33.00	NV 00069650170	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-φ1/2"Xw3/4"-16UNFx6M	1.00	EA
34.00	NV 00069650176	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管(外覆鋼絲)	R1-φ1/4"Xw7/16"-20UNFx0.7M	1.00	EA
35.00	NV 00069650170	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-φ1/2"Xw3/4"-16UNFx6M	1.00	EA
36.00	NV 00069650175	HOSE, FLEXIBLE HYDRAULIC	耐油橡膠管	R1-φ1/4"Xw7/16"-20UNFx0.4M	1.00	EA
37.00	NV 00070070201	TUBING,PNEUMATIC	風壓用管	PU φ8xφ5(MINDMAN)2.5 M	1.00	EA

REV	DESCRIPTION	DATE	EDA
A	竣工図	2016/11/18	



NV 00033250117(50Hz)
 GX 000199098D(50Hz)
 NV 00033250116(60Hz)
 GX 000199099D(60Hz)

MODEL	GX 1300/GX 1600
PART NAME	FLUSHING PIPING 沖水配管
PART NUMBER	GX 000331039D
DATE	2007/05
SCALE	1:28
PAGE	10F 1
REV	A

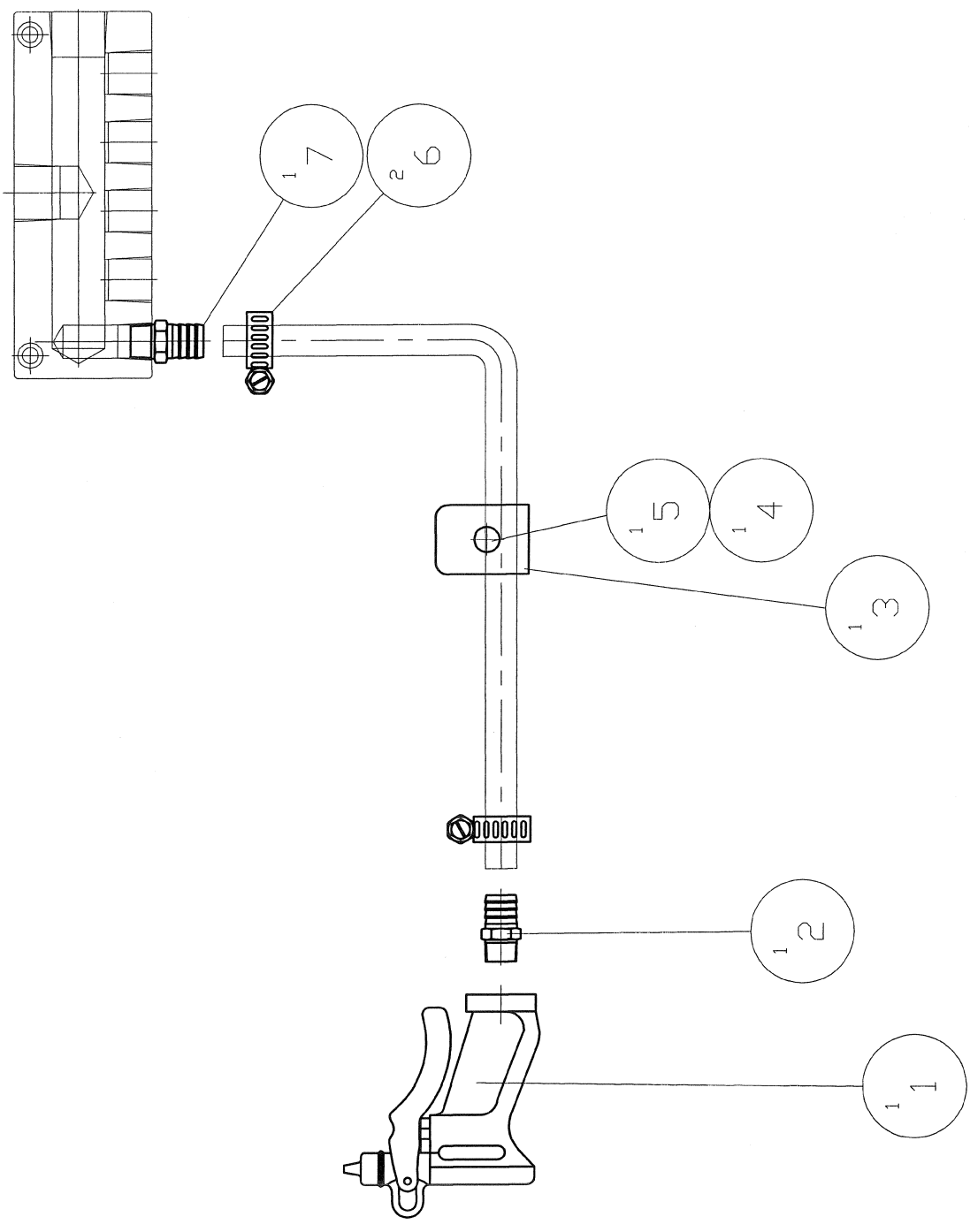
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000331039D

Description: FLUSHING PIPING
冲屑切削水管路

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 00070110102	NOZZLE, COOLANT	冷卻水噴嘴	PT1/2"	3.00	ST
2.00	NV 00077030503	CONNECTOR	插心直接頭	PT1/2"xΦ3/4"	3.00	EA
3.00	NV 00069660301	CLAMP, HOSE	不銹鋼管夾	1 1/4"	3.00	EA
4.00	NV 00077031502	ELBOW, 90 DEG MALE	90度外雙螺紋肘管	PT3/4"xpt3/4"	2.00	EA
5.00	GX 001023401D	MANIFOLD, LUBRICATION	分油塊	L 158xW60xH40	1.00	EA
6.00	MS 0103623	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL45	2.00	EA
9.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	4.00	EA
10.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	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	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
13.00	NV 00077030503	CONNECTOR	插心直接頭	PT1/2"xΦ3/4"	4.00	EA

REV	DESCRIPTION	DATE	ECN
A	新仕様	2007/3/26	



MODEL: GX 1300/GX 1600	PART NUMBER	GX 000331005D
PART NAME	COOLANT WASH DOWN(MANUAL)	
DATE	2007/3/26	
SCALE	1:3	
PAGE	1 OF 1	
REV	A	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000331005D

Description: COOLANT WASH DOWN(MANUAL)

切削水加裝噴槍沖屑

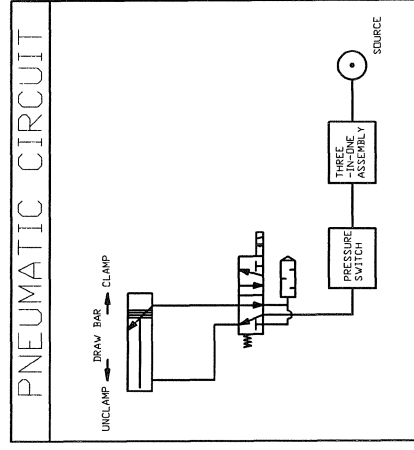
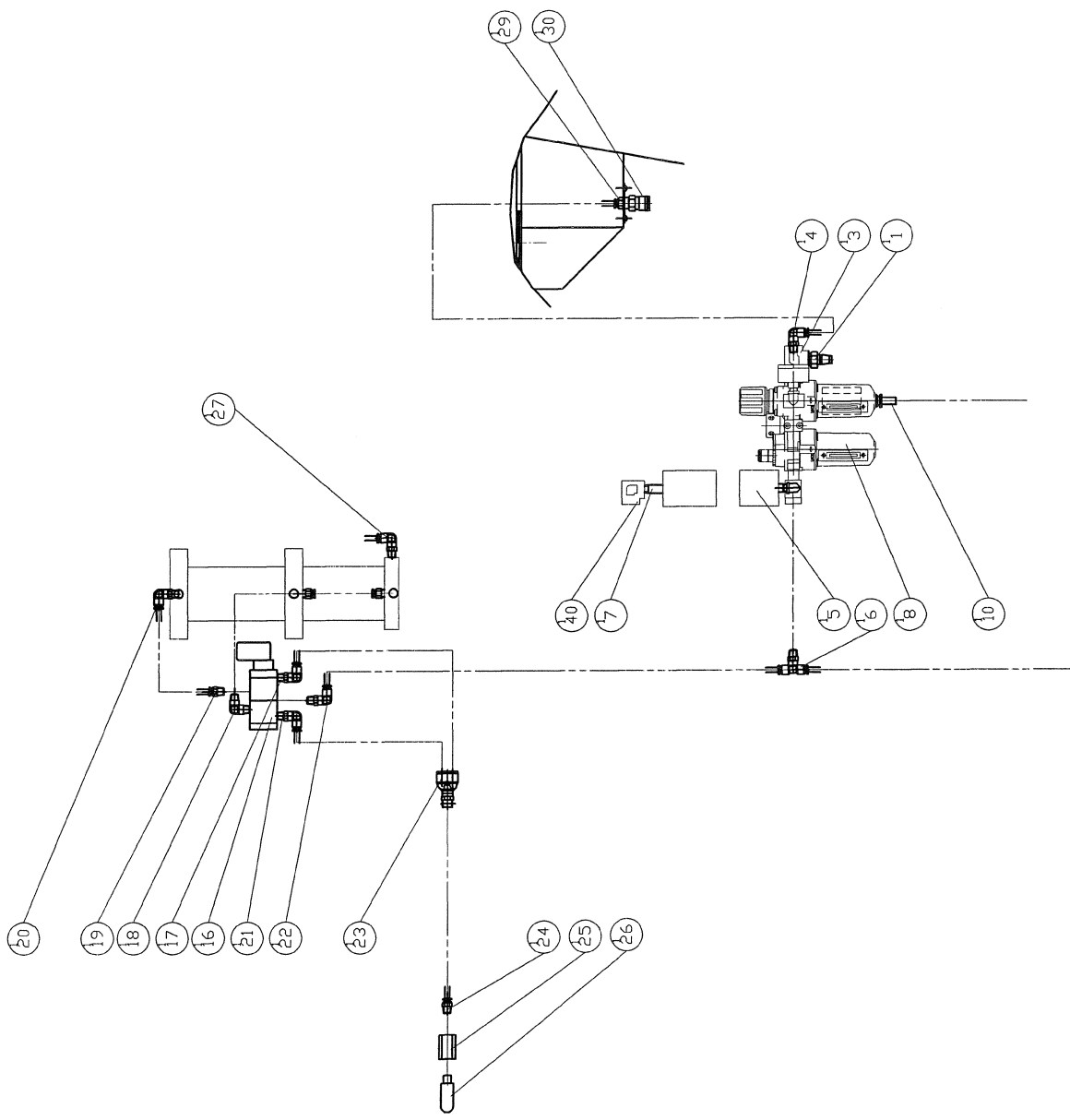
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 01070350103	COOLANT GUN	切削水噴槍	PT1/4"	1.00	EA
2.00	NV 00077030511	CONNECTOR	插心直接頭	PT1/4"Xφ 1/2"	1.00	EA
3.00	NV 000399006A	BRACKET, OIL PIPE	油管固定座	L100xW40xH30	1.00	EA
4.00	MS 0103618	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL20	1.00	EA
5.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	1.00	EA
6.00	NV 00069660303	CLAMP, HOSE	不銹鋼管夾	7/8"	2.00	EA
7.00	NV 00077030522	CONNECTOR	插心直接頭	PT3/8"Xφ 1/2"	1.00	EA

Chapter 4

氣壓零組件

Pneumatic Parts

REV	DESCRIPTION	DATE	ECN
A	新仕様	2007/1/1	



MODEL	GX 1300/1600
PART NAME	PNEUMATIC PARTS (Common w/o CTS)
PART NUMBER	GX 000280430D
DATE	2007/1/1
SCALE	1:1.2
REV.	A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000280430D

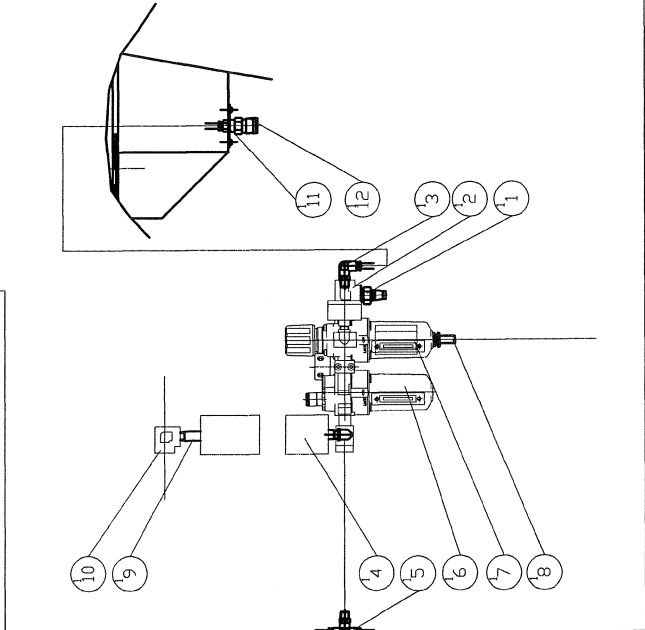
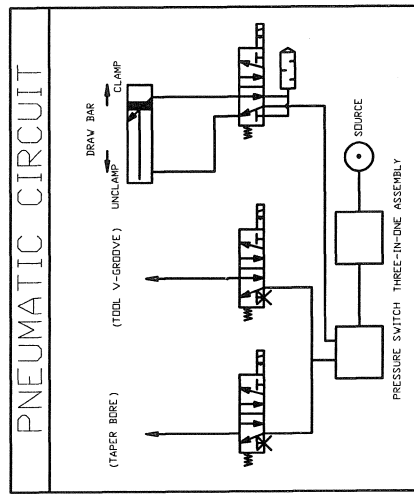
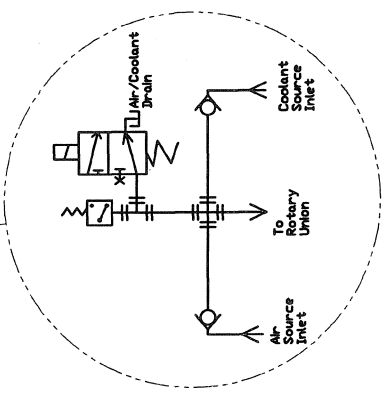
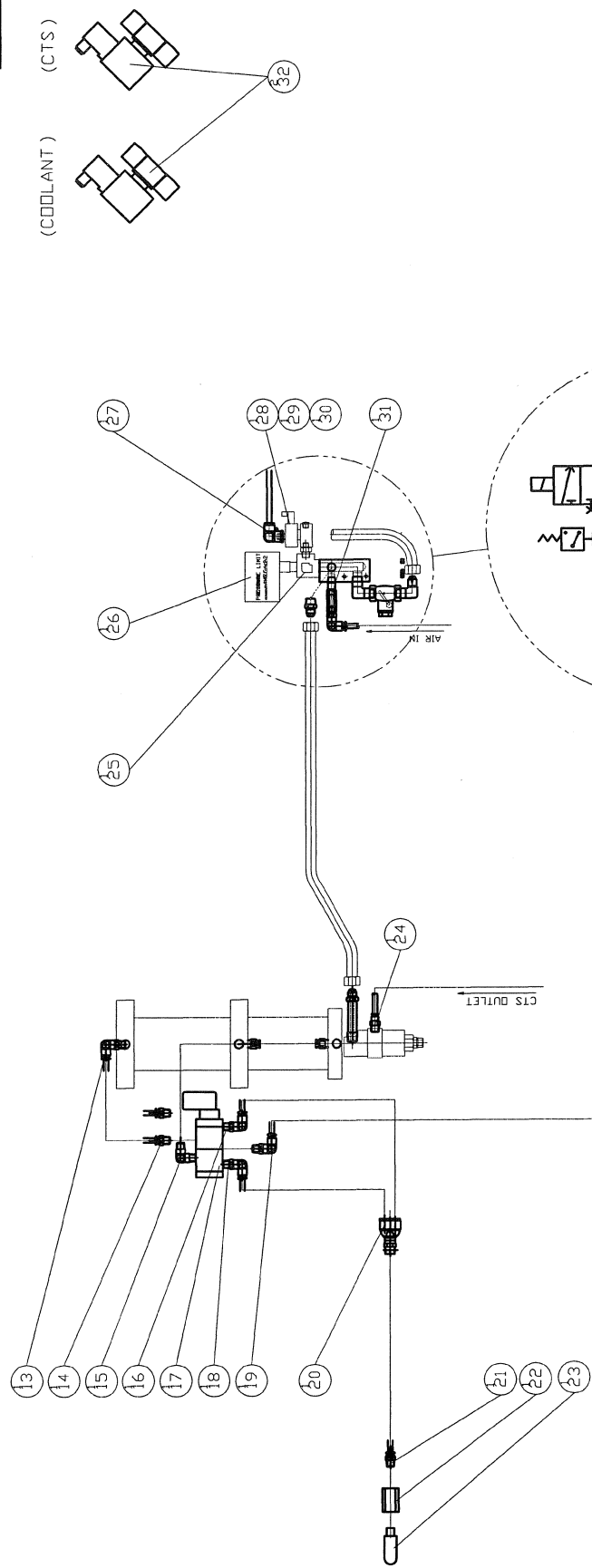
Description: PNEUMATIC PARTS(Common w/o CTS
氣壓零組件 (固定件-無中心給水)

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
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
10.00	NV 00077030801	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/8(F)Xφ8(JPG8-01)	1.00	EA
16.00	NV 00030480102	VALVE, 3/8 2 WAY PNEUMATIC	五口二位單線圈	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
27.00	NV 00077030705	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/8xφ8	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
40.00	NV 00077031601	TEE ADAPTER, FEMALE&MALE	內外牙三通	PT3/8mxPT3/8fxPT1/4f	1.00	EA

REV	DESCRIPTION	DATE	EDN
A	新仕様	2007/3/8	



MODEL: GX 1300/GX 1600	PART NUMBER: GX 00280432D
PART NAME: PNEUMATIC PARTS (CTS)	PAGE 1 OF 1
気圧零件 (固定件-中心給水)	REV. A
DATE: 2007/3/8	SCALE: 1:1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000280432D

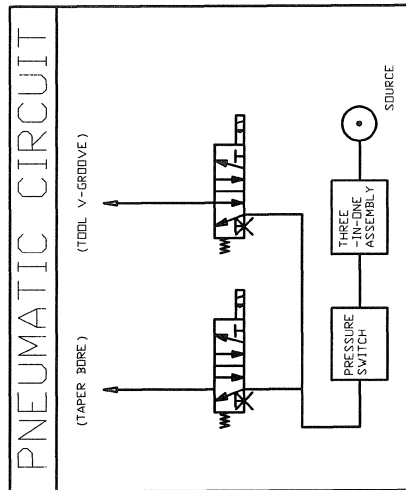
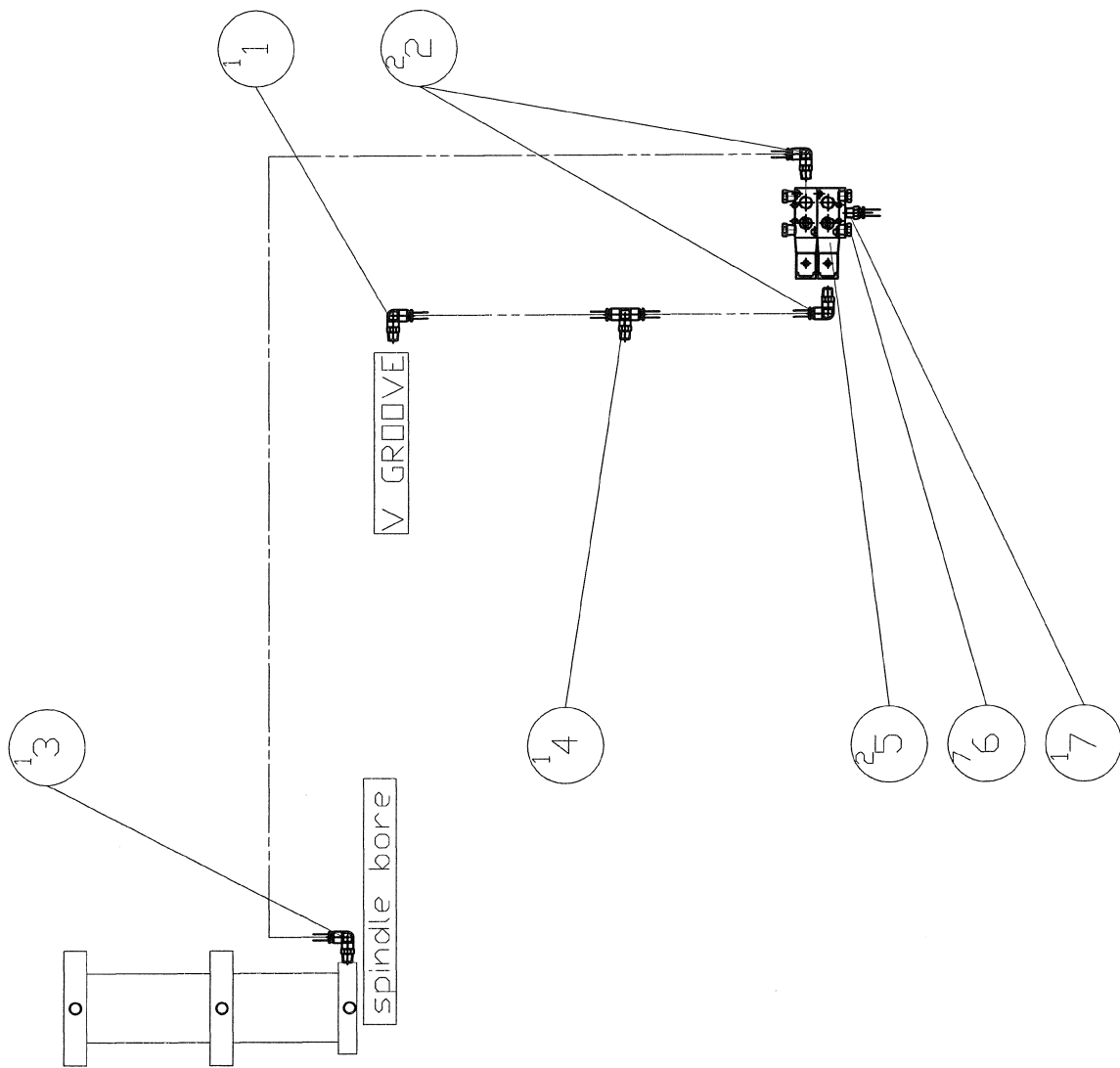
Description: PNEUMATIC PARTS (CTS)
氣壓零組件 (固定件-中心,給水)

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 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)X φ8(JPG8-01)	1.00	EA
9.00 NV 00077030220	PIPE	2吋牙管	PT1/4xPT1/4x2"L(WEU-02-2)	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 00077030806	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4X φ8(JPC8-02)	1.00	EA
12.00 NV 00077030901	PRESTO ADAPTER, STRIGHT(female	內牙直快速接頭(母)	PT1/4"(SF20)	1.00	EA
13.00 NV 00077030703	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ12	1.00	EA
14.00 NV 00077030803	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT3/8xφ12	1.00	EA
15.00 NV 00077031515	ELBOW, 90 DEG MALE	90度外雙螺紋肘管	PT3/8"XPT3/8"	1.00	EA
16.00 NV 00077030703	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ12	1.00	EA
17.00 NV 00030480102	VALVE, 3/8 2 WAY PNEUMATIC	五口二位單線圈	3/8 SOLENOID VALVE 24V	1.00	EA
18.00 NV 00077030703	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ12	1.00	EA
19.00 NV 00077030703	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xφ12	1.00	EA
20.00 NV 00077031001	PRESTO ADAPTER,Y	Y型快速接頭	Y φ12	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00 NV 00077030804	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/2xΦ12	1.00	EA
22.00 NV 00077030606	UNION	直雙內牙接頭	PT1/2xPT3/8(P056)	1.00	EA
23.00 NV 00113350108	MUFFLER, BREATHER	消音器	PT3/8(MSR-03-B)	1.00	EA
24.00 NV 00077030806	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4X φ 8(JPC8-02)	1.00	EA
25.00 NV 00077031601	TEE ADAPTER, FEMALE&MALE	內外牙三通	PT3/8mxPT3/8fxPT1/4f	1.00	EA
26.00 NV 00117360108	PRESSURE SWITCH (CTS)	壓力開關(CTS)	(BN-1252-10A) 4~20kg/cm2	1.00	EA
27.00 NV 00077032301	PRESTO ADAPTER, BLBOW	90度彎肘快速接頭	PF1/8"X φ 6	1.00	EA
28.00 NV 00077030214	NIPPLE, STRAIGHT	直接頭	PT1/4"XPT1/8"X30L	1.00	EA
29.00 NV 00030480109	SOLENOID VALVE,3WAY-2POSITION	電磁閥,3WAY-2POSITION	NORMAL OPEN 1/8" AC110V 31A3AV10 110,3WAY-	1.00	EA
30.00 NV 00077031701	PLUG, SOCKET HEX.	塞頭	PT1/8	1.00	EA
31.00 NV 00100590104	CHECK VALVE, AIR	風壓逆止閥	PT1/4"	1.00	EA
32.00 NV 00100590113	3/4-SOLENOID	二口二位電磁閥	3/4-110V (20kg/cm^2)	2.00	ST

REV	DESCRIPTION	DATE	EDA
A	3/16B	2006/12/11	



MODEL: GX 1300/GX 1600	PART NUMBER
PART NAME	GX 000280431D
氣壓零組件 內外吹氣(單刀倉)	PAGE 1 OF 1
DATE 2007/3/8	REV. A
KURT XIN PHU	SCALE 1:10

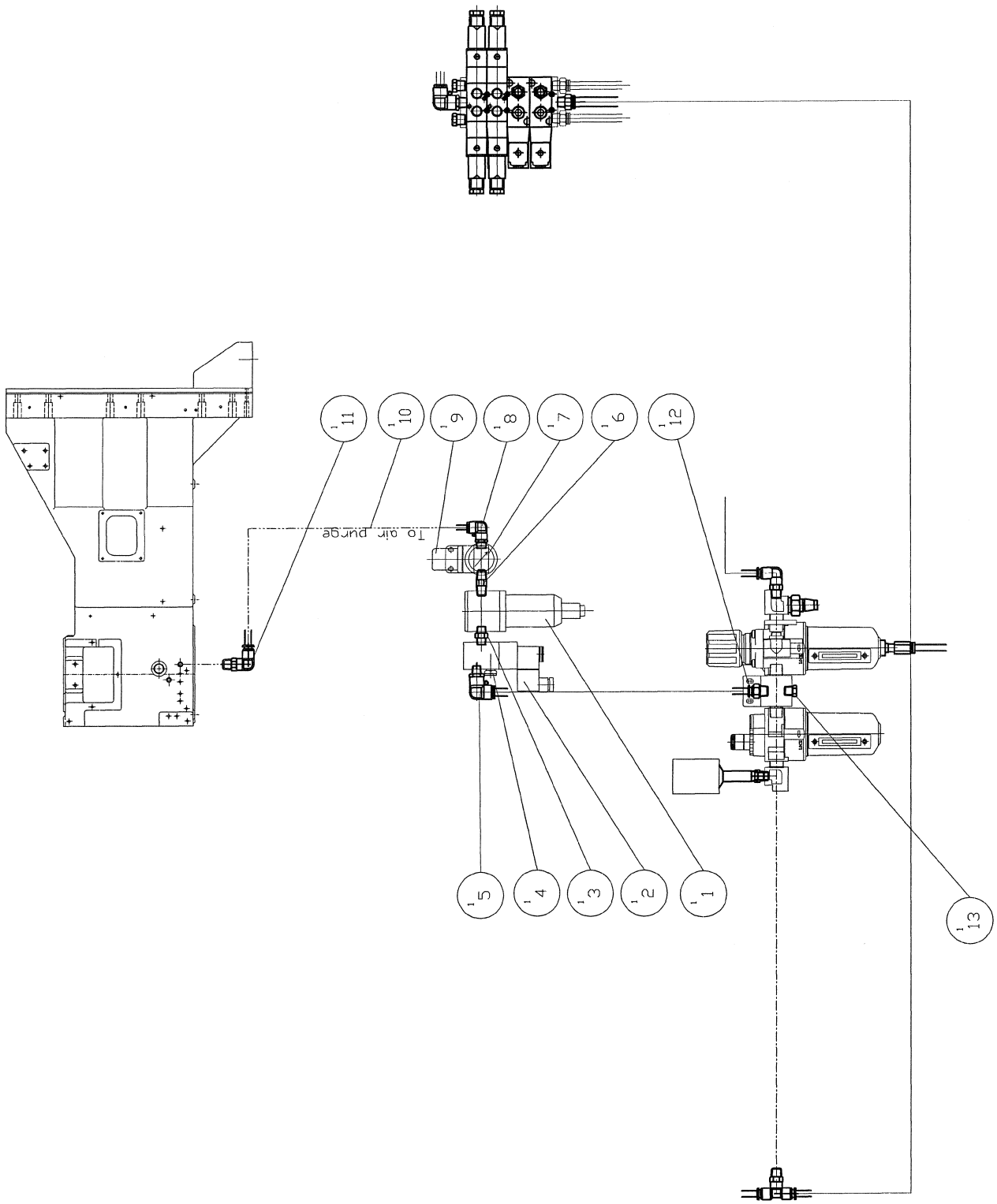
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000280431D

Description: PNEUMATIC PARTS STANDARD
內外吹氣(單刀倉)

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 00077030702	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xΦ8(JPL8-02)	2.00	EA
3.00 NV 00077030705	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/8xΦ8	1.00	EA
4.00 NV 00077031107	PRESTO ADAPTER, TEE	三通快速接頭	PT3/8xΦ8	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	2.00	EA
6.00 NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	7.00	EA
7.00 NV 00077030802	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4xΦ12	1.00	EA

REV	DESCRIPTION	DATE	ENR
A	新仕様	2007/3/8	



MODEL: GX 1300/GX 1600	PART NUMBER
PART NAME	GX 000280444D
PNEUMATIC PARTS<AIR PURGE>	PAGE 1 DF 1
気圧零組件<AIR PURGE>	REV. A
DATE 2007/3/8	SCALE 1:6
	STN. PHL

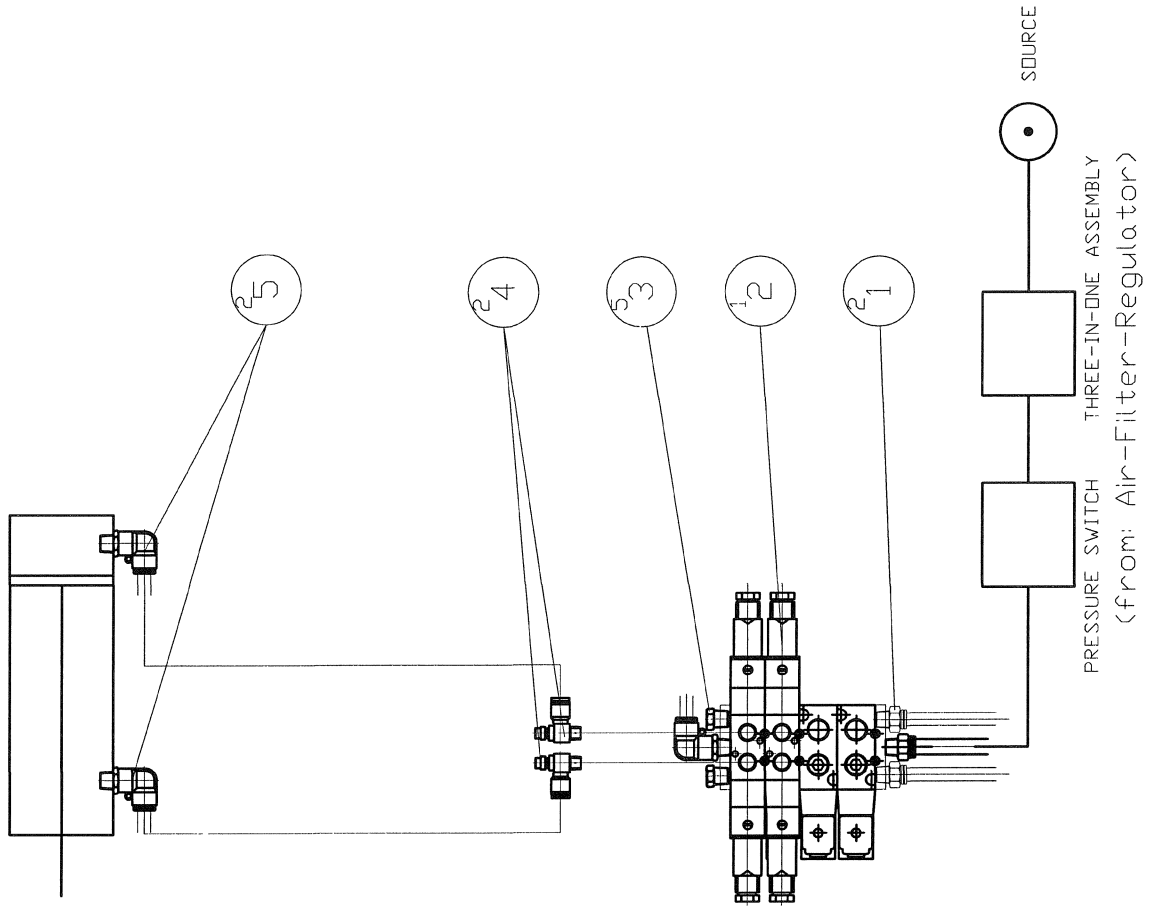
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000280444D

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 00107790110	FILTER(5u)	過濾器(5u)	1/4 MAF300(27T0-8A)	1.00	EA
2.00 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
3.00 NV 00077030206	NIPPLE, STRAIGHT	立布管	PT1/4"XPT1/4"X30L(P012)	1.00	EA
4.00 NV 00113350103	MUFFLER, BREATHER	消音器	PT1/4(SL-02Q)	1.00	EA
5.00 NV 00077030706	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT1/4xΦ10(JPL10-02)	1.00	EA
6.00 NV 00077030206	NIPPLE, STRAIGHT	立布管	PT1/4"XPT1/4"X30L(P012)	1.00	EA
7.00 NV 00115370104	GAGE, PRESSURE	壓力錶	PT1/8"x10kgx ψ 11/2"(P-A1510)	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 00107790109	FINE REGULATOR	迷你微壓調壓器美	1/4(R55-2)	1.00	EA
10.00 NV 00070070214	TUBING, PNEUMATIC	風壓用管	PU Φ8xΦ5(MINDMAN) 2.9M	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 00077030811	STRAIGHT, PRESTO ADAPTER	直型快速接頭	PT1/4xΦ10(JPC10-02)	1.00	EA
13.00 NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	3/7/88	2007/1/31	



MODEL: GX 1300/GX 1600	
PART NAME	PART NUMBER
PNEUMATIC PARTS(SWING ARM ATC)	GX 000280437D
氣壓零件換刀臂式	PAGE 1 OF 1
DATE 2007/1/30	REV A
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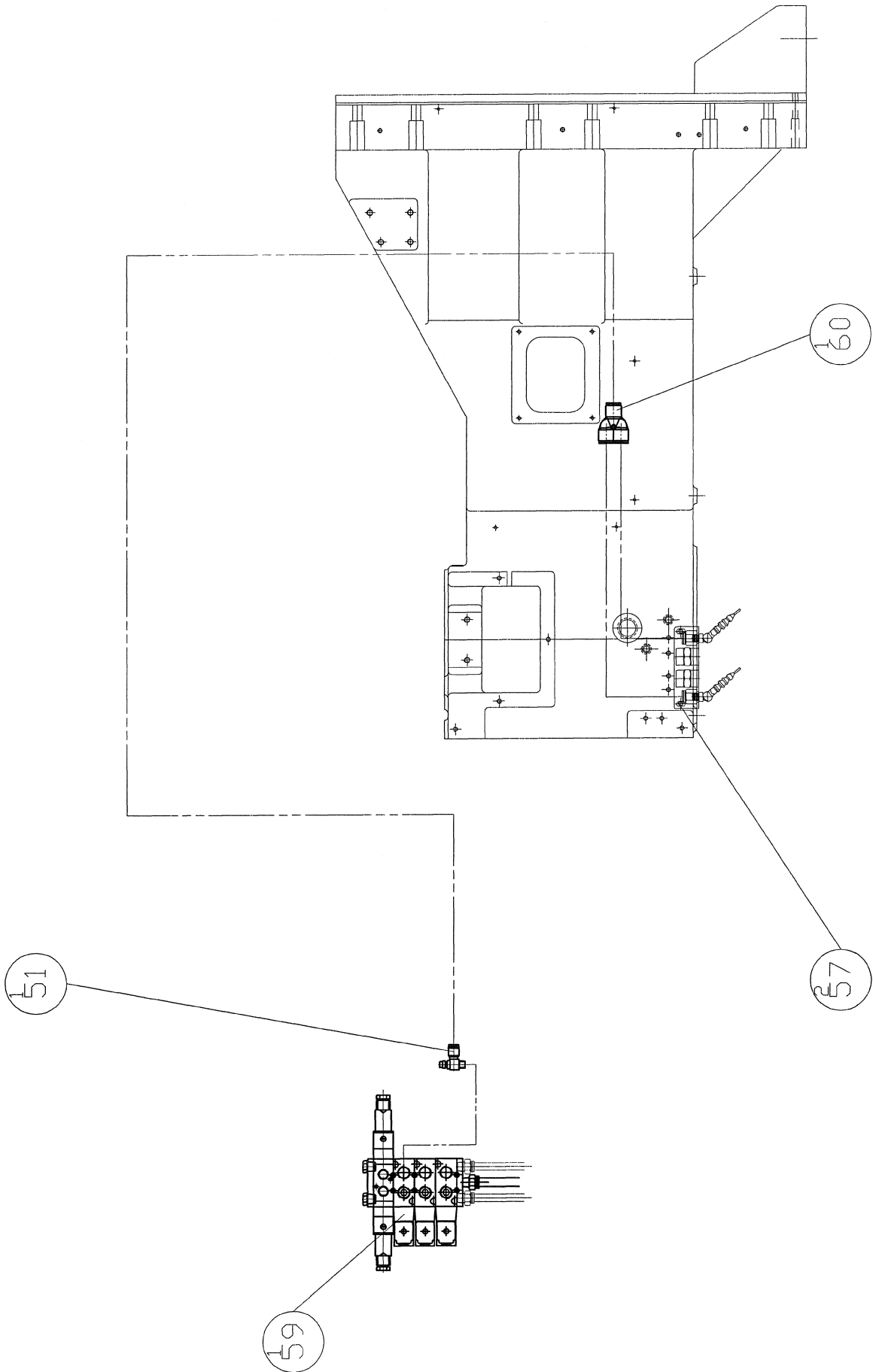
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000280437D

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

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)	2.00	EA
2.00 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
3.00 NV 00077031702	PLUG, SOCKET HEX.	塞頭	PT1/4	5.00	EA
4.00 NV 00077031302	PRESTO ADAPTER, ELBOW(ADJUSTAB	90度彎肘快速接頭(附調速)	PT1/4xΦ10(JDSC10-02B)	2.00	EA
5.00 NV 00077030710	PRESTO ADAPTER, ELBOW	90度彎肘快速接頭	PT3/8xΦ10(CTL10-03)	2.00	EA

REV	DESCRIPTION	DATE	ECH
A	新訂書	2007/4/1	



MODEL	GX 1300/GX 1600
PART NAME	PNEUMATIC PARTS(AIR BLOW) 氣壓零件(機具吹風)
PART NUMBER	GX 000280434D
DATE	2007/4/1
SCALE	1:12
REV	A
PAGE	1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000280434D

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

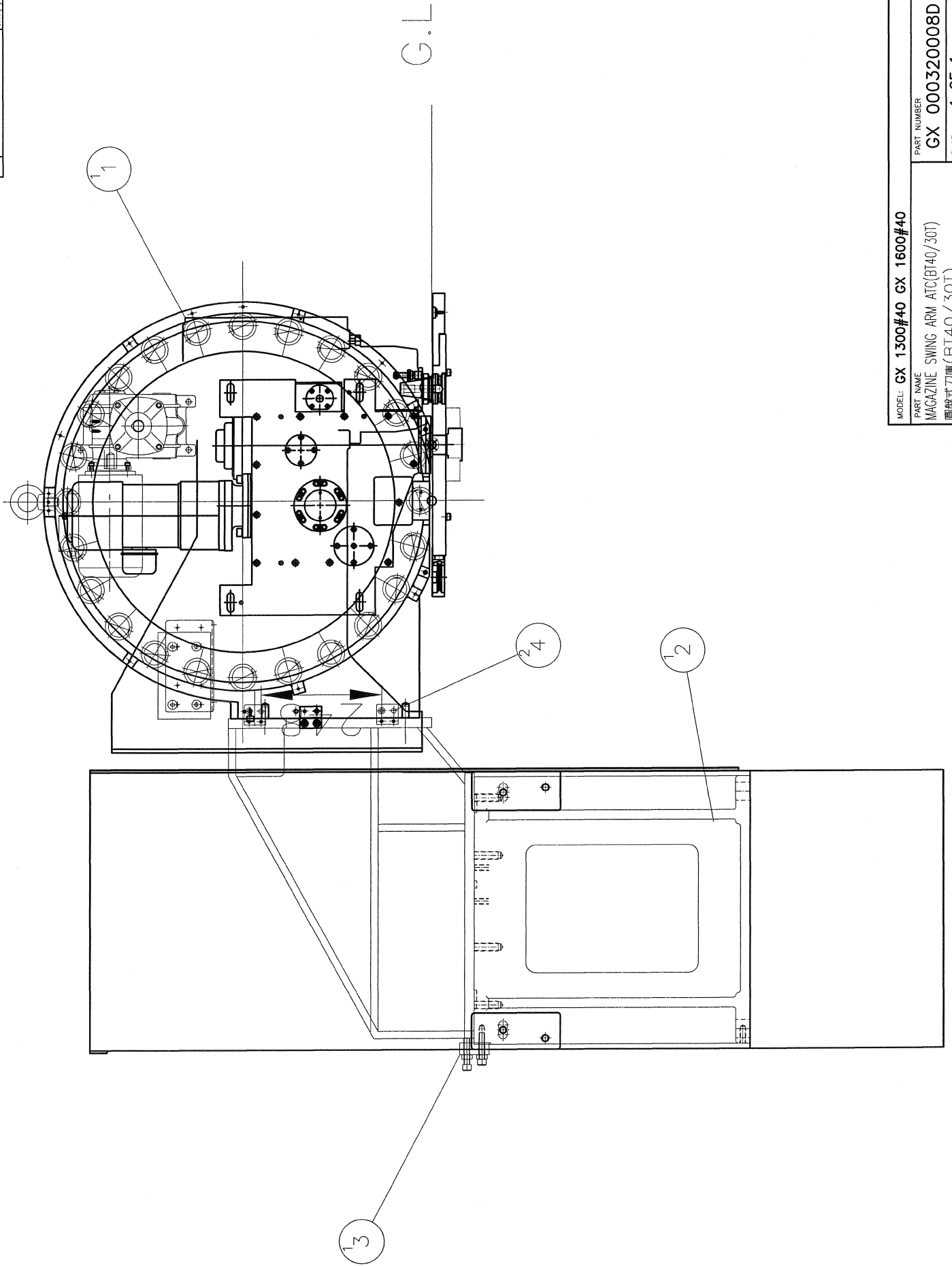
Item Part NO.	Description	中文名稱	Specification	Qty	Unit
51.00 NV 00077031303	PRESTO ADAPTER, ELBOW(ADJUSTAB	90度彎肘快速接頭(附調速)	PT1/4xφ8(JSC8-02A)	1.00	EA
57.00 NV 00077032101	PRESTO ADAPTER	夾壁式快速接頭	PT1/4xφ8(CTCMF8-02)	2.00	EA
59.00 NV 00030480101	VALVE, 1/4 2 WAY PNEUMATIC	五口二位單線圈	1/4 SOLENOID VALVE 24V	1.00	EA
60.00 NV 00077031002	PRESTO ADAPTER,Y	Y型快速接頭	Y φ8	1.00	EA

Chapter 5

換刀臂式儲刀倉

Swing Arm ATC

REV.	DESCRIPTION	DATE	EDA.
A	新設計	2006/7/4	332



MODEL: GX 1300#40 GX 1600#40		SCALE: 1:10	REV. A
PART NAME: MAGAZINE SWING ARM ATC(BT40/30T) 圓盤式刀庫 (BT40/30T)		KURT SARY TOSM	
PART NUMBER: GX 000320008D		PAGE 1 OF 1	
DATE: 2007/1/4		REV. A	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000320008D

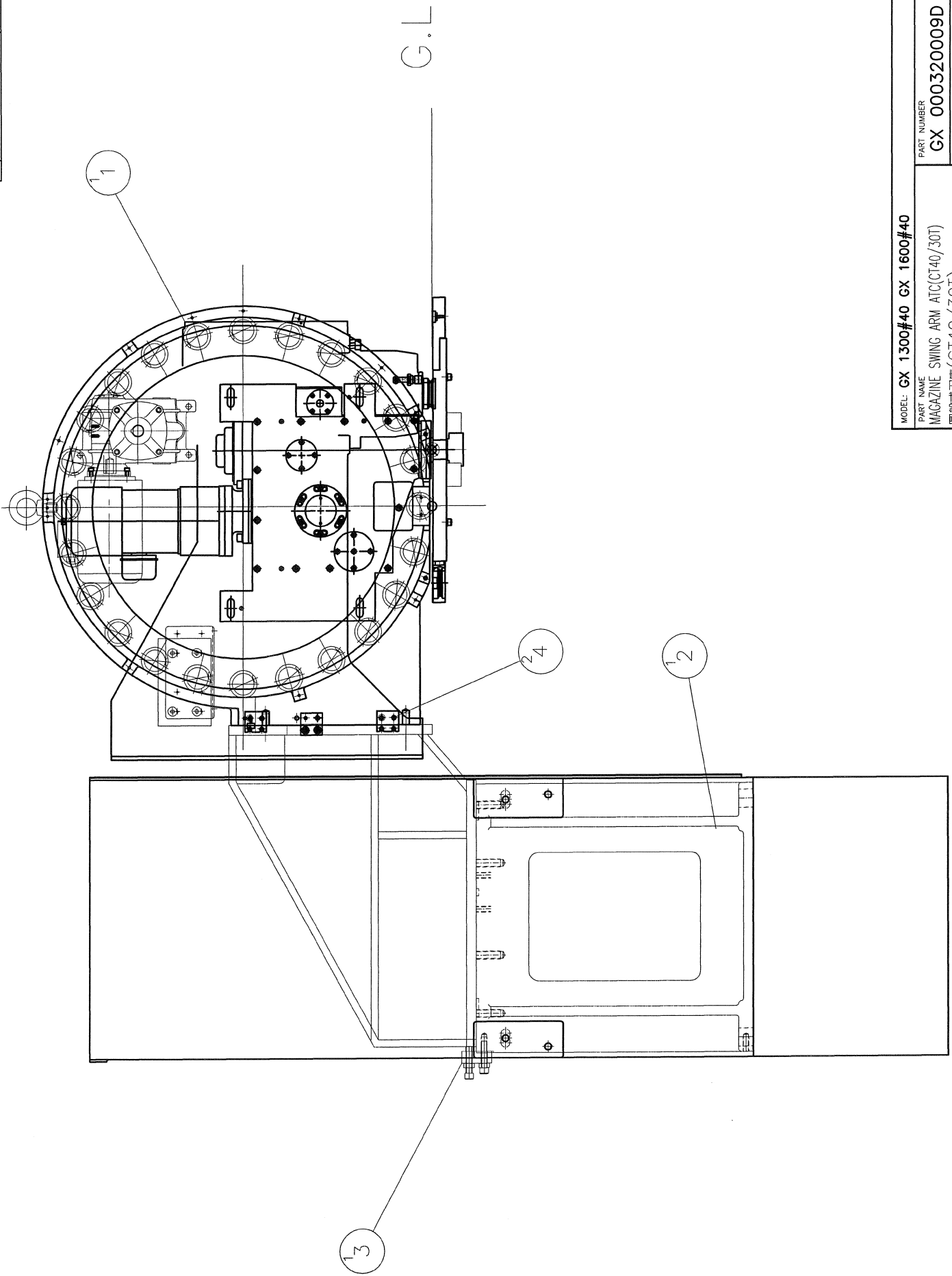
Description: MAGAZINE SWING ARM ATC(BT40/30

圓盤式刀庫(BT40/30T)

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Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000310007D	MAGAZINE SWING ARM ATC,BT40/30	圓盤式刀庫(BT40/30T)	BT40/30T,MR4CKHT08A02-01	1.00	ST
2.01	GX 001066100D	ATC SEAT	ATC 固定座#40	L555xW570xH426	1.00	EA
3.00	GX 000199076D	BLOCK,ATC BRACLET	ATC固定座調整塊	L61xW61xH16	1.00	EA
4.00	GX 000199080D	BLOCK,ATC ADJUSTING	ATC調整塊	L65xW45xH42	2.00	EA

REV.	DESCRIPTION	DATE	ECN.
A	零件修圖	2008/7/1	332



MODEL: GX 1300#40 GX 1600#40		SCALE: 1:10	REV. A
PART NAME: MAGAZINE SWING ARM ATC(CT40/30T)		KURT GARY	
PART NUMBER: GX 000320009D		DATE: 2007/1/4	
PAGE: 1 OF 1		SCALE: 1:10	
REV. A		REV. A	

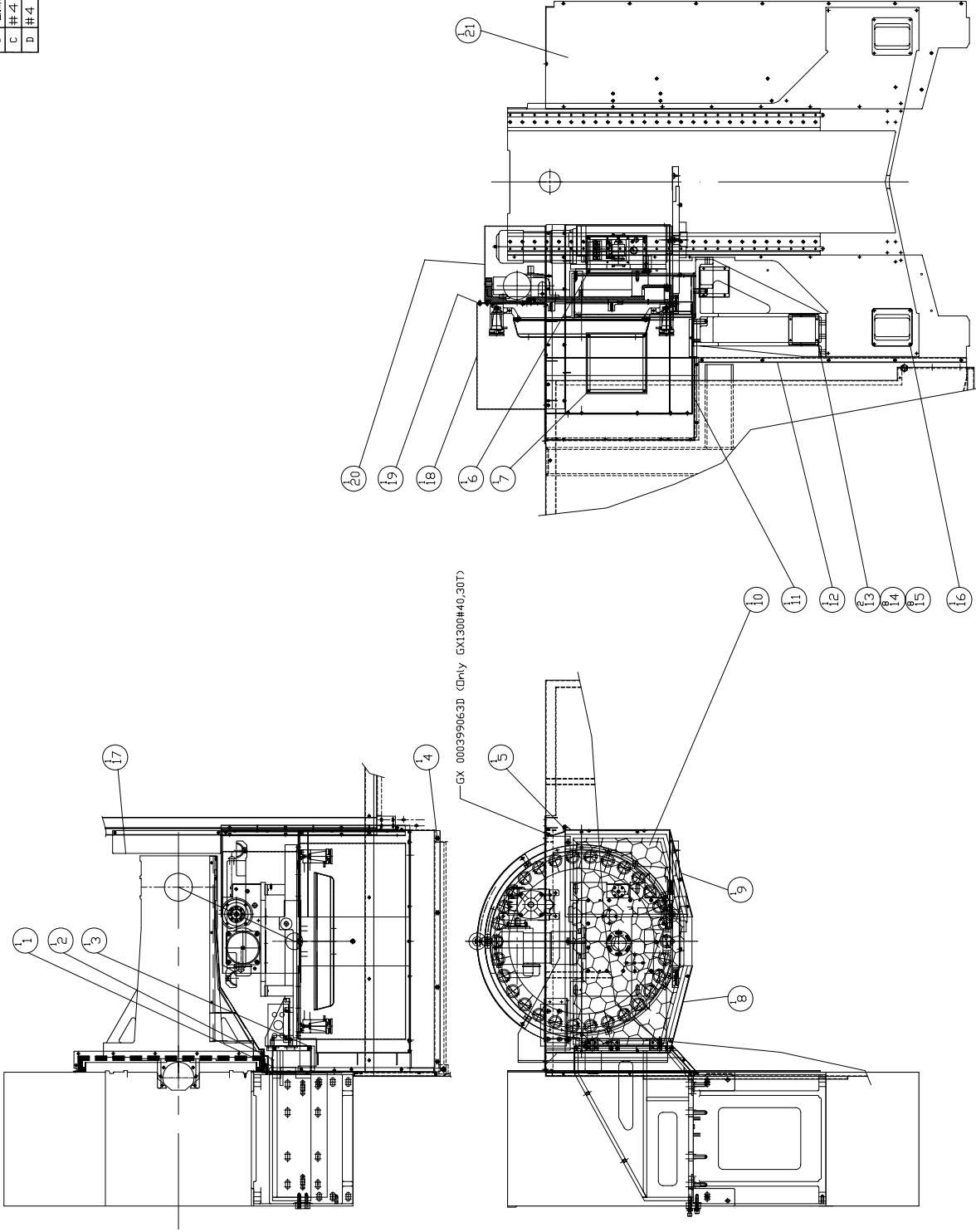
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000320009D

Description: MAGAZINE SWING ARM ATC(CT40/30
圓盤式刀庫(CT40/30T)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000310008D	MAGAZINE SWING ARM ATC,CT40/30	圓盤式刀庫(CT40/30T)	CT40/30T,MR4CKHT08A01-02	1.00	ST
2.01	GX 001066100D	ATC SEAT	ATC 固定座#40	L555xW570xH426	1.00	EA
3.00	GX 000199076D	BLOCK,ATC BRACLET	ATC固定座調整塊	L61xW61xH16	1.00	EA
4.00	GX 000199080D	BLOCK,ATC ADJUSTING	ATC調整塊	L65xW45xH42	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	発行承認	2007/07/30	669
B	増加#18, #19, #20	2007/08/04	780
C	#4, #8, #9, #10, #11, #12, #13, #14, #15, #16	2007/08/28	782
D	#4, #20, #19の寸法変更	2007/08/28	882



MODEL: GX1300/1600#40
PART NAME COVER FOR MAGAZINE(DISC #40/30T)
PART NUMBER GX 000320012D
DATE 2007/7/30
SCALE 1:28
REV. D
PAGE 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000320012D

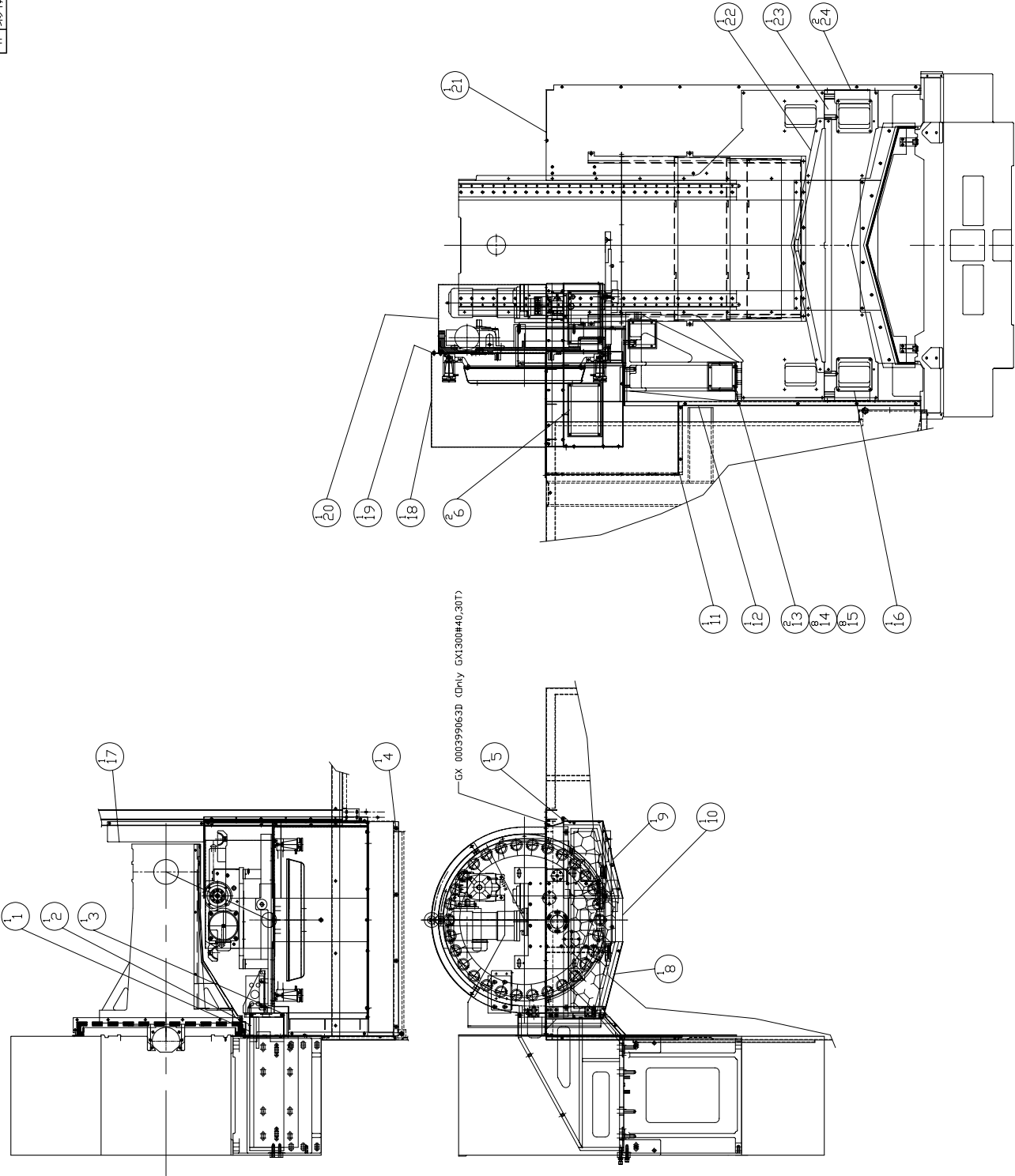
Description: COVER FOR MAGAZINE(#40/30T)
刀倉護蓋(圓盤式#40/30T)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000199072D	ATC PLATE(BOTTOM)	刀倉擋板(下)	L164xW110.3xH100	1.00	EA
2.00	GX 000199071D	ATC PLATE(REAR)	刀倉擋板(後)	L532xW192xH110.3	1.00	EA
3.00	GX 000199070D	ATC PLATE(FRONT)	刀倉擋板(前)	L520X110.3X15	1.00	EA
4.02	GX 000199067D	FIXED PLATE, MAGAZINE	固定板(刀庫護蓋,30支刀)	L997xW151.7xH109	1.00	EA
5.02	GX 000199050D	FIXED PLATE,MAGAZINE	固定座	L792.2xW82xH64.6	1.00	EA
6.00	NV 000599030A	COVER, INSPECTION	凸輪箱檢視護板	L250.5xW153.4xH2	1.00	EA
7.00	NV 001044920A	WINDOW, MAGAZINE	壓克力板(換刀臂ATC,刀庫護蓋)	L250.5xW250.5xT2	1.00	EA
8.01	GX 000199065D	COVER, MAGAZINE	刀庫護蓋(德大MR4CK,30支刀,φ200)	L461.2xW455.3xH634.4	1.00	EA
9.01	GX 000199064D	COVER, MAGAZINE	刀庫護蓋(德大MR4CK,30支刀,φ200)	L792.2xW393.5xH547.8	1.00	EA
10.03	GXA000199066D	SCREEN, MAGAZINE	刀庫護蓋護網(德大MR4CK,30支刀,φ76)	955.6xW545.4xH4.6	1.00	EA
11.01	GX 000022110D	REAR PLATE,LEFT(UPPER)	左後擋板(上)(#40-30T)	L793.4xW649.7xH38	1.00	EA
12.00	GX 000022111D	REAR PLATE,LEFT(LOWER)	左後擋板(下)(#40-30T)	L1399.5xW462xH4.6	1.00	EA
13.00	GX 000199061D	COVER,REAR PLATE	後擋板蓋	L128xW128xT2.3	2.00	EA
14.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	8.00	EA
15.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	8.00	EA
16.00	GX 000199073D	COVER,REAR PLATE	後擋板蓋	L170xW120xT2.3	1.00	EA
17.00	GX 000199077D	PLATE	擋板	L465xW98xT2.3	1.00	EA
18.00	GX 000399066D	TOP COVER, MAGAZINE	刀倉上蓋	R450xL1036.3xW602.5	1.00	ST
19.00	GX 000399065D	TOP COVER, MAGAZINE	刀倉上蓋固定板	R447xL396xH2.3	1.00	ST
20.00	GX 000399067D	COVER, CAM BOX OF MAGAZINE	刀倉凸輪箱蓋板	R416.2xL613.6xW330	1.00	ST

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	GX 000022109D	REAR PLATE,RIGHT	右後擋板	L1822xW462xH20	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	零件名稱	2007/10/22	867



MODEL: GX1300/1600#40	PART NUMBER
PART NAME	GX 000320014D
COVER FOR MAGAZINE/CISC #40/30T/2 MAX. HEIGHT ADDITIONAL 260mm	PAGE 1 OF 1
刀倉護蓋<圓盤式40/30T>立柱加高260mm	REV. A
DATE 2007/10/24	SCALE 1:30
SHERRY	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

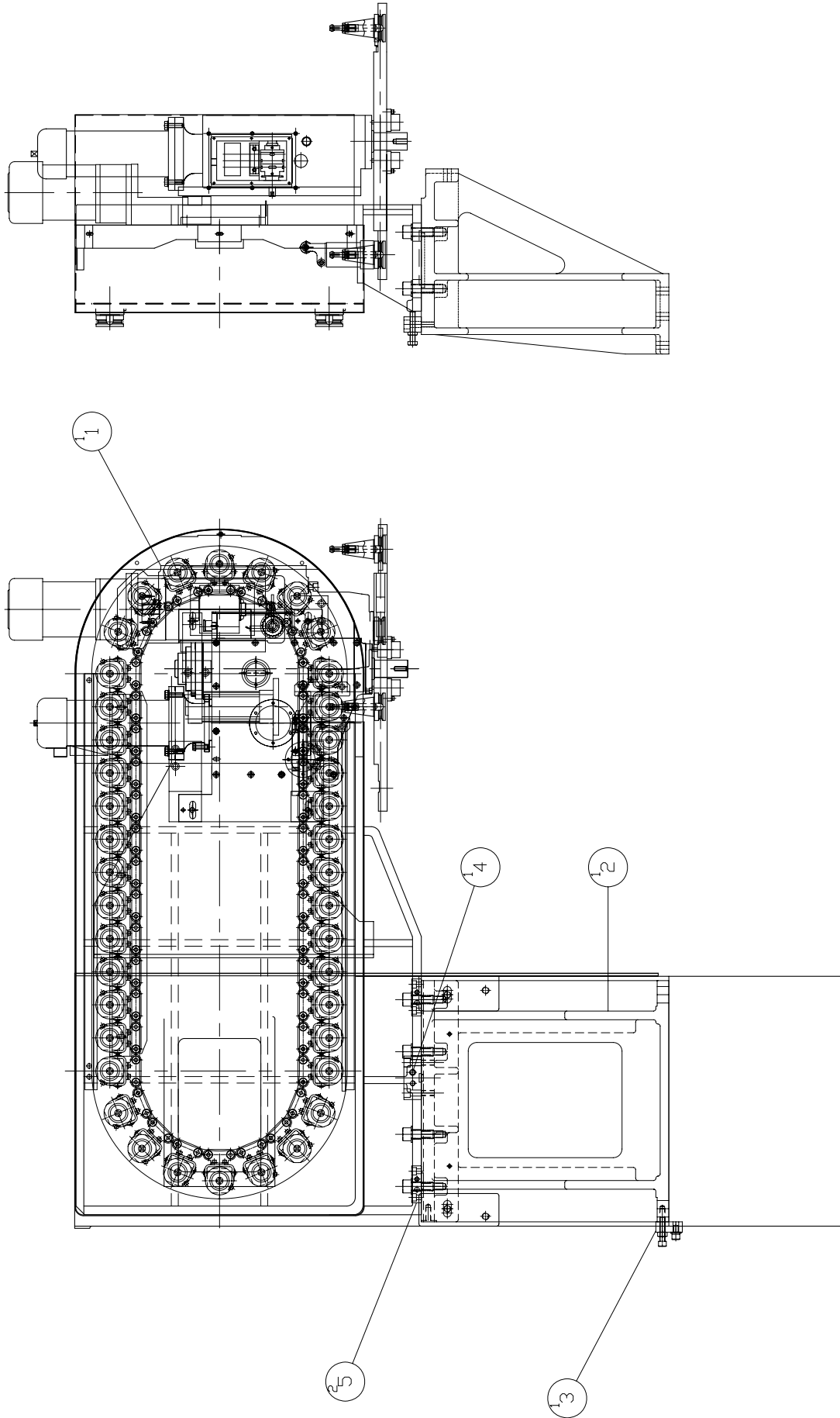
Master Item Part NO.: GX 000320014D
Description: COVER FOR MAGAZINE(#40/30T)
刀倉護蓋(圓盤式#40/30T)立柱加高260mm

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000199072D	ATC PLATE(BOTTOM)	刀倉擋板(下)	L164xW110.3xH100	1.00	EA
2.00	GX 000199071D	ATC PLATE(REAR)	刀倉擋板(後)	L532xW192xH110.3	1.00	EA
3.00	GX 000199070D	ATC PLATE(FRONT)	刀倉擋板(前)	L520X110.3X15	1.00	EA
4.00	GX 000199067D	FIXED PLATE, MAGAZINE	固定板(刀庫護蓋,30支刀)	L997xW151.7xH109	1.00	EA
5.00	GX 000199050D	FIXED PLATE,MAGAZINE	固定座	L792.2xW82xH64.6	1.00	EA
6.00	NV 000599030A	COVER, INSPECTION	凸輪箱檢視護板	L250.5xW153.4xH2	2.00	EA
8.00	GX 000399077D	COVER, MAGAZINE(#40,30T,260mm)	刀庫護蓋(#40,30T,立柱加高260mm)	L374.8xW461.2xH374.4	1.00	ST
9.00	GX 000399076D	COVER, MAGAZINE(#40,30T,260mm)	刀庫護蓋(#40,30T,立柱加高260mm)	L393.5xW792.2xH287.8	1.00	ST
10.00	GX 000399080D	SCREEN,MAGAZINE(#40,30T,260mm)	刀庫護蓋護網(#40,30T,立柱加高260mm)	L955.6xW285.4xH4.3	1.00	ST
11.00	GX 000022119D	REAR PLATE,LEFT(UPPER)	左後擋板(上)#(40,30T,立柱加高260mm)	L528.7xW38xH649.7	1.00	ST
12.00	GX 000022118D	REAR PLATE,LEFT(LOWER)#40,30T	左後擋板(下)#(40,30T,立柱加高260mm)	L1819xW462xH6.3	1.00	ST
13.00	GX 000199061D	COVER,REAR PLATE	後擋板蓋	L128xW128xH2.3	2.00	EA
14.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	8.00	EA
15.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	8.00	EA
16.00	GX 000199073D	COVER,REAR PLATE	後擋板蓋	L170xW120xH2.3	1.00	EA
17.00	GX 000199077D	PLATE	擋板	L465xW98xH2.3	1.00	EA
18.00	GX 000399079D	TOP COVER, MAGAZINE(30T,260mm)	刀倉上蓋(#40,30T,立柱加高260mm)	L1036.3xW602.5xH555.2	1.00	ST
19.00	GX 000399065D	TOP COVER, MAGAZINE	刀倉上蓋固定板	R447xr396xH2.3	1.00	EA
20.00	GX 000399078D	COVER, CAM BOX OF MAGAZINE	刀倉凸輪箱蓋板(#40,30T,立柱加高260mm)	L613.6xW330xH521.4	1.00	ST
21.00	GX 000022120D	REAR PLATE,RIGHT	右後擋板(立柱加高260mm)	L1822xW462xH20	1.00	ST

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
22.00	GX 000399012D	COVER, COLUMN SIDE	立柱墊高蓋板260mm	L1230xW195.3xT2.3	1.00	EA
23.00	GX 001066165D	SPACER, COLUMN	立柱加高墊塊(加高260mm)	L1500xW575xH260	1.00	EA
24.00	GX 000399021D	SIDE COVER(SPACER2600mm)	立柱側蓋(加高260mm)	L569xW219xT2.3	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	新仕様	2006/9/22	178
B	増加工装-GX 000399060D	2007/8/22	741



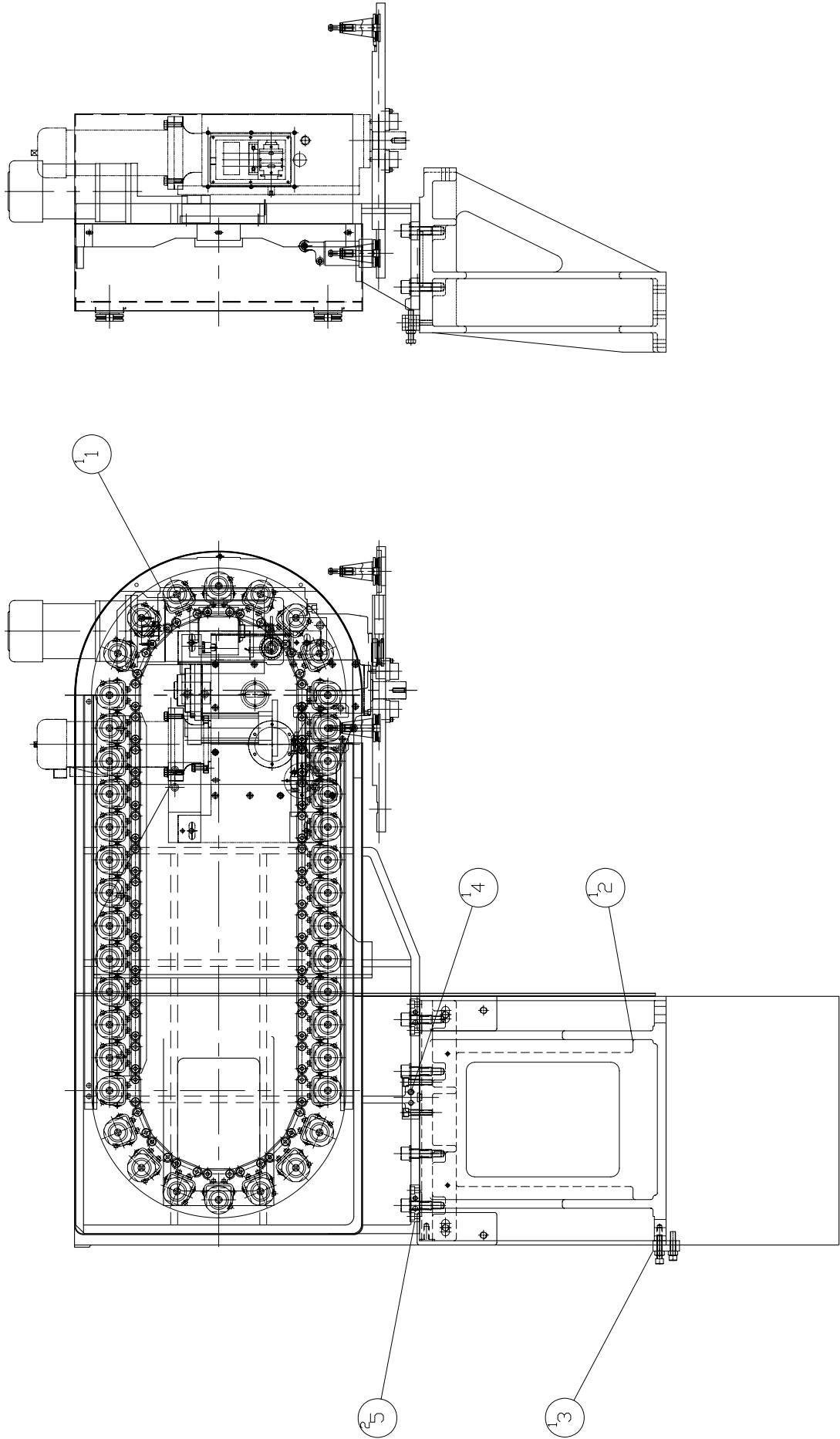
MODEL: GX 1300#40/1600#40	
PART NAME	PART NUMBER
LINKAGE OF COLUMN AND ATC/LEFTSWING ARM ATC	GX 000320001D
金型式番号 B T 40-40 T	PAGE 1 OF 1
DATE 2006/9/22	REV. B
SCALE 1:14	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000320001D
Description: MAGAZINE SWING ARM ATC(BT40/40
鏈式刀庫(BT40/40T)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	GX 000310001D	SWING ARM ATC(BT40/40T)	鏈式刀庫(BT40/40T)	BT40/40T	1.00	ST
2.03	GX 001066100D	ATC SEAT	ATC 固定座#40	L555xW570xH426	1.00	EA
3.00	GX 000199076D	BLOCK,ATC BRACKET	ATC固定座調整塊	L61xW61xH16	1.00	ST
4.00	GX 000399056D	BLOCK,ATC BRACKET	ATC固定座調整塊	L100xW35xH40	1.00	EA
5.00	GX 000399060D	BLOCK,ATC	ATC調整塊	L85xW30xH22	2.00	ST

REV	DESCRIPTION	DATE	ECN
A	新機種	2006/9/22	178
B	機種5-GX 000399060D	2007/8/21	741



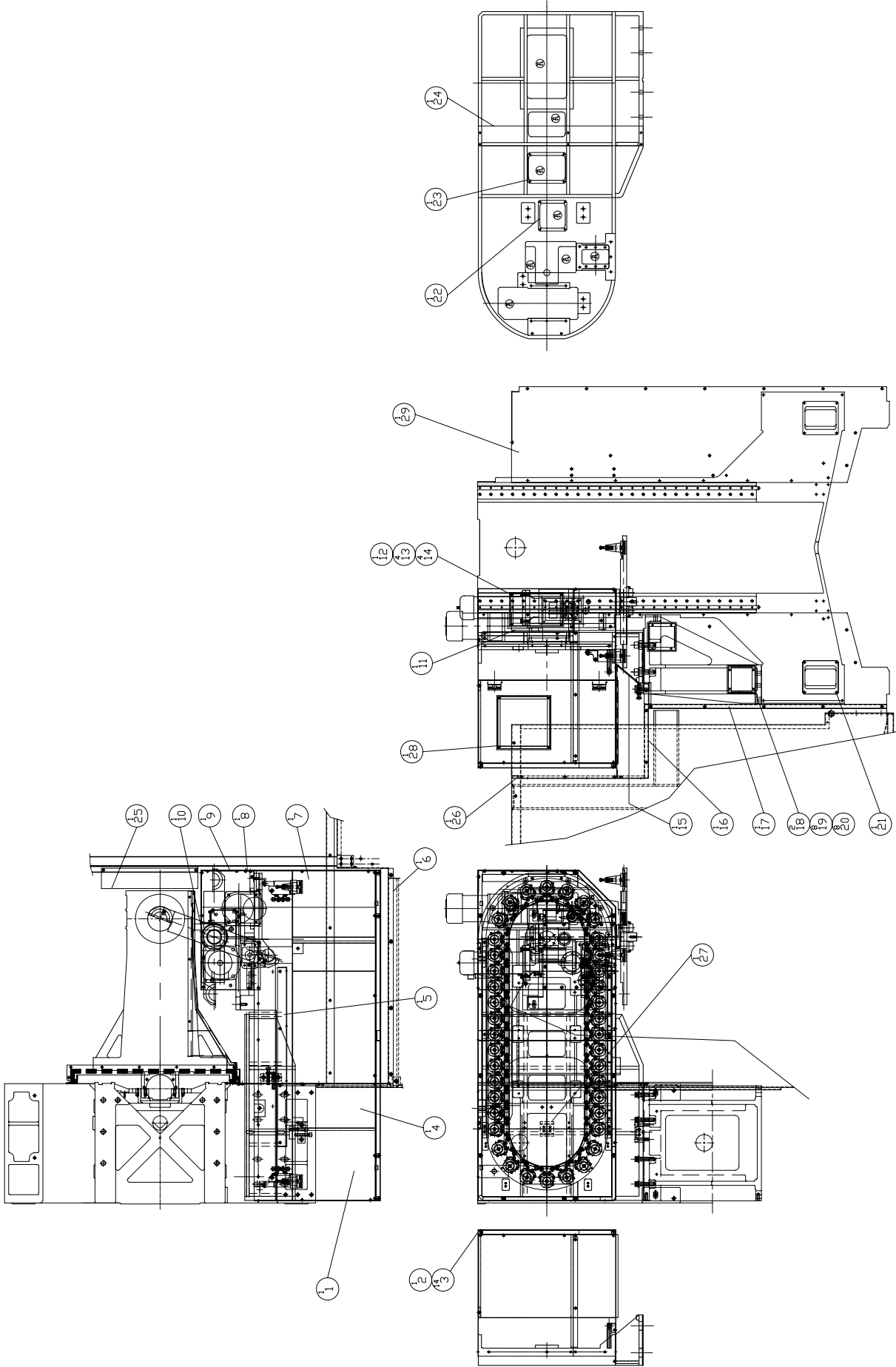
MODEL: GX 1300#40/1600#40	
PART NAME	PART NUMBER
LINKAGE OF COLUMN AND AT/CLECTYS/VING ARM (ATC)	GX 000320003D
金型式心カ庫C T 4 0 - 4 0 T	PAGE 1 OF 1
DATE 2006/9/22	REV. B
SCALE 1:14	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000320003D
Description: MAGAZINE SWING ARM ATC(CT40/40)
鏈式刀庫(CT40/40T)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	GX 000310003D	SWING ARM ATC(CT40/40T)	鏈式刀庫(CT40/40T)	CT40/40T	1.00	ST
2.03	GX 001066100D	ATC SEAT	ATC 固定座#40	L555xW570xH426	1.00	EA
3.00	GX 000199076D	BLOCK,ATC BRACKET	ATC固定座調整塊	L61xW61xH16	1.00	ST
4.00	GX 000399056D	BLOCK,ATC BRACKET	ATC固定座調整塊	L100xW35xH40	1.00	EA
5.00	GX 000399060D	BLOCK,ATC	ATC調整塊	L85xW30xH22	2.00	ST

REV	DESCRIPTION	DATE	ECN
A	発行承認	2007/7/30	663



MODEL: GX1300/1600#40	PART NUMBER	REV. A
PART NAME	GX 000320013D	PAGE 1 OF 1
COVER FOR MAGAZINE (DBLDNG #40/40T)	刀倉護蓋< 鍵式# 40 / 40 T >	SCALE 1:28
DATE 2007/7/30	SHERRY	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000320013D

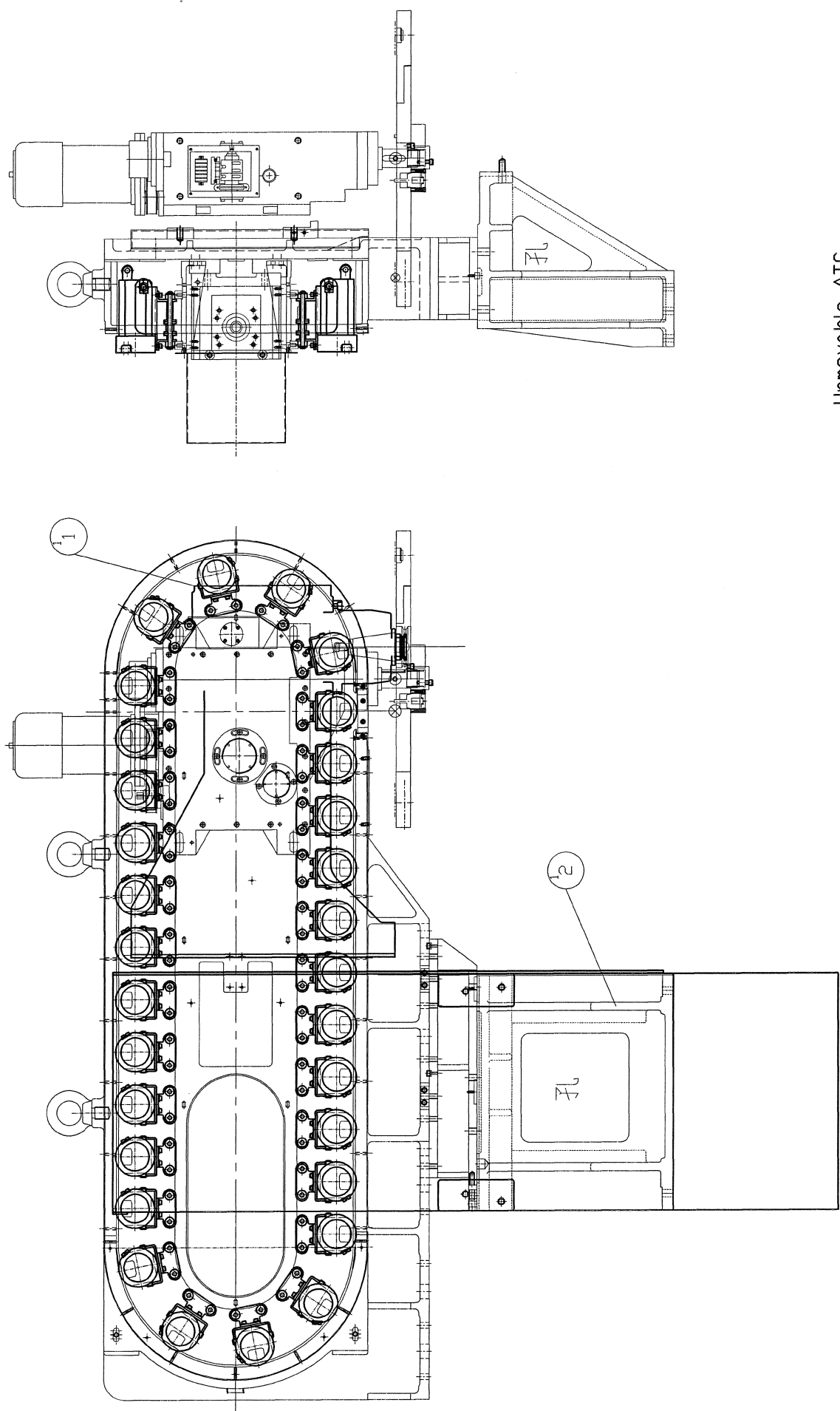
Description: COVER FOR MAGAZINE(#40/40T)
刀倉護蓋(鏈式#40/40T)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 001021520D	COVER, SWING ARM ATC	防護罩	L1125.2xW586xH216.5	1.00	ST
2.00	GX 001011619D	COVER, SWING ATC	防護網罩	L1594xW665.2xH23	1.00	ST
3.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	14.00	EA
4.01	GX 001011622D	COVER, SWING ARM ATC	刀倉防護罩	L1594xW615xH480.6	1.00	ST
5.01	GX 001021522D	PLATE, LOWER	下蓋板	L865xW45xH40	1.00	ST
6.00	GX 000399048D	COVER, SWING ARM ATC	固定板(#40/40刀)	L1056xW60.5xH2.3	1.00	ST
7.00	GX 001021521D	COVER, SWING ATC	防護罩	L841xW368.8xW238.5	1.00	ST
8.00	GX 001021516D	BRACKET, SWING ARM ATC	外罩固定板	L457.5xW49xH52.6	1.00	ST
9.01	GX 001021513D	COVER, SWING ARM ATC	刀倉外罩	L577xW286.6xH663.6	1.00	ST
10.00	GX 001021515D	PLATE, LOWER	下蓋板	L255.7xW255xT1.6	1.00	ST
11.00	GX 000022115D	REAR PLATE, LEFT(UPPER)	左後擋板(上)(#40-40T)	L442.5xW83.5xH20	1.00	ST
12.00	NV 000599030A	COVER, INSPECTION	凸輪箱檢視護板	L250.5xW153.4xH2	1.00	EA
13.00	MS 0103616	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL12	4.00	EA
14.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
15.00	GX 001021527D	COVER, SWING ARM ATC	刀庫蓋前蓋板	L344xW130xH92.7	1.00	ST
16.01	GX 000399046D	COVER, REAR PLATE	後擋板蓋		1.00	ST
17.01	GX 000022116D	REAR PLATE, LEFT(LOWER)	左後擋板(下)(#40-40T)	L1399.5xW462xH2.3	1.00	ST
18.00	GX 000199061D	COVER, REAR PLATE	後擋板蓋	L128xW128x2.3	2.00	EA
19.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	8.00	EA
20.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00	GX 000199073D	COVER,REAR PLATE	後擋板蓋	L170xW120xt2.3	1.00	EA
22.00	GX 001021525D	COVER, SWING ARM ATC	刀庫後蓋	L148xW137xH2.3	1.00	ST
23.00	GX 001021526D	COVER, SWING ARM ATC	刀庫後蓋	L148xW182xH2.3	1.00	ST
24.00	GX 001021524D	COVER, SWING ARM ATC	刀庫後蓋		1.00	ST
25.00	GX 000199077D	PLATE	擋板	L465xW98xt2.3	1.00	ST
26.00	GX 000399044D	COVER,REAR PLATE	後擋板蓋	L507.5xW50xt2.3	1.00	ST
27.00	GX 001021528D	FRONT COVER, SWING ARM ATC	刀庫前蓋板	L1282.4xW184xH43.2	1.00	ST
28.00	NV 001044920A	WINDOW, MAGAZINE	壓克力板 (換刀臂ATC,刀庫護蓋)	L250.5xW250.5xt2	1.00	ST
29.00	GX 000022109D	REAR PLATE,RIGHT	右後擋板	L1822xW462xH20	1.00	ST

REV	DESCRIPTION	DATE	ECN
A	新製 DRAWING	2007/6/18	178



Unmovable ATC

MODEL: GX 1300#50/1600#50	PART NUMBER
PART NAME LINKAGE OF COLUMN AND ATC LEFT SWING ARM ATC 發連式力臂BT50-30T	GX 000320000F
DATE 2007/6/22	PAGE 1 OF 1
SCALE 1:24	REV. A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

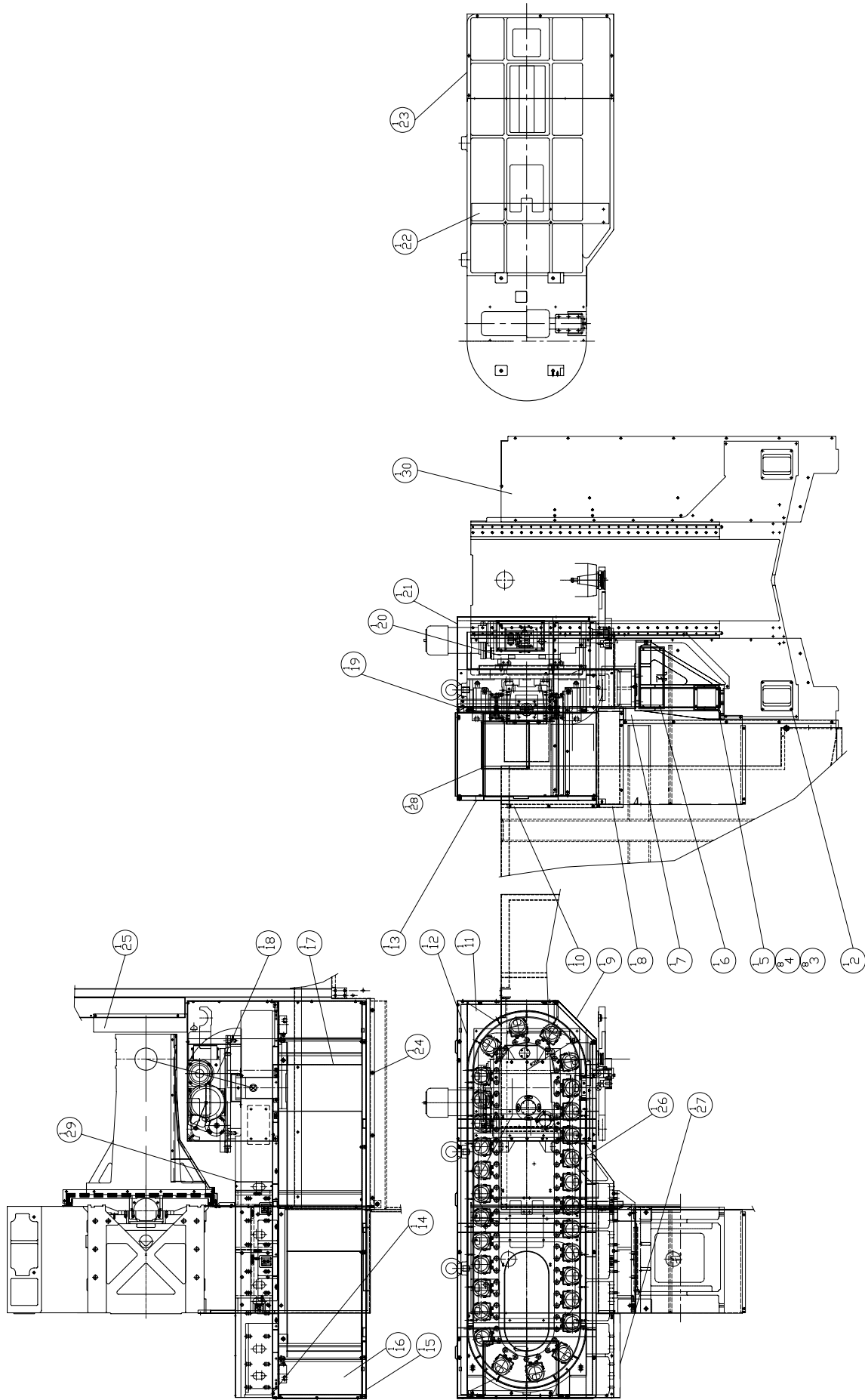
Master Item Part NO.: GX 000320000F

Description: MAGAZINE SWING ARM ATC(BT40/32
鏈式刀庫(BT50/30T)

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Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000310000F	SWING ARM ATC(BT50/30T)	鏈式刀庫(BT50/30T)	BT50/30T	1.00	EA
2.00	GX 001066101F	ATC SEAT	ATC 固定座#50	L570xW482xH426	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	新形像	2007/8/6	666
B	増配6,27號	2007/8/15	740
C	増配8,29號	2007/8/27	764



MODEL: GX1300/1600#50	PART NUMBER
PART NAME	GX 000320013F
COVER FOR MAGAZINE (DBLDNG #50/30T)	PAGE 1 OF 1
刀倉護蓋< 鍵式# 50 / 30 T >	REV. C
DATE 2007/8/7	SCALE 1:32
SHERRY	
SHERRY	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000320013F

Description: COVER FOR MAGAZINE(#50/30T)
刀倉護蓋(鏈式#50/30T)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
2.00	GX 000199073D	COVER,REAR PLATE	後擋板蓋	L170xW120xt2.3	1.00	ST
3.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	8.00	ST
4.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	8.00	ST
5.00	GX 000199061D	COVER,REAR PLATE	後擋板蓋	L128xW128xt2.3	1.00	ST
6.00	GX 000199061F	COVER,REAR PLATE	後擋板蓋	L323xW128xH2.3	1.00	ST
7.00	GX 000022111F	REAR PLATE,LEFT(LOWER)	左後擋板(下)(#50-30T)	L1399.5xW462xH2.3	1.00	ST
8.01	GX 000399040F	COVER,REAR PLATE	後擋板蓋	L523.8xW145xH12	1.00	ST
9.00	GX 001011619F	COVER, SWING ATC	防護網罩	L2148xW750.6xH23	1.00	ST
10.01	GX 000399044F	COVER,REAR PLATE	後擋板蓋	L514xW40xT2.3	1.00	ST
11.01	GX 001021516F	BRACKET,SWING ARM ATC	外罩固定板	L530xW66xH53.5	1.00	ST
12.01	GX 001011622F	COVER, SWING ATC	防護罩	L2148xW616.7xH510.8	1.00	ST
13.00	GX 001011621F	WINDOW, DOOR	壓克力板	L570xW460xT2	1.00	ST
14.00	GX 001021523F	BRACKET,SWING ARM ATC	外罩固定板	L477.2xW38xH28	1.00	ST
15.00	GX 001011620F	ROTARY DOOR	旋轉門	L470.4xW403.6xH308	1.00	ST
16.01	GX 001021520F	COVER, SWING ARM ATC	防護罩	L1621.2xW482xH166	1.00	ST
17.01	GX 001021521F	COVER, SWING ATC	防護罩	L942.4xW255.5xH412.9	1.00	ST
18.00	GX 001021515F	PLATE, LOWER	下蓋板	L365xW460.4xH54.3	1.00	ST
19.01	GX 001021522F	BRACKET,SWING ARM ATC	外罩固定板	L492.8xW40.5xH23.3	1.00	ST
20.01	GX 000022110F	REAR PLATE,LEFT(UPPER)	左後擋板(上)(#50-30T)	L442.5xW162.5xH20	1.00	ST
21.00	GX 001021513F	COVER,SWING ARM ATC	刀倉外罩	L758.15xW716xH489.4	1.00	ST

PRODUCT BOM MASTER AND SUB-ITEMS LIST

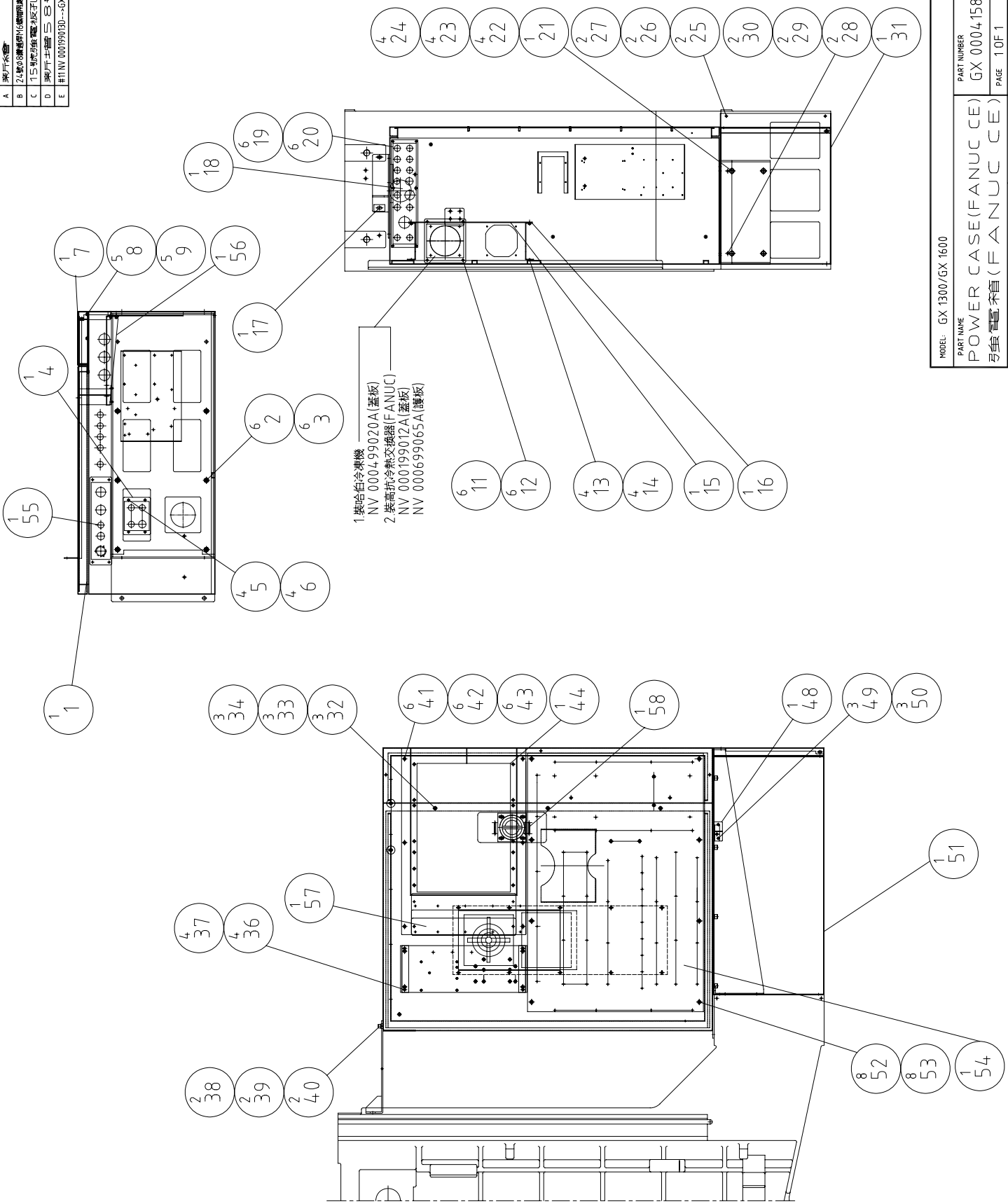
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
22.00	GX 001021524F	COVER, SWING ARM ATC	刀庫後蓋	L590xW110xH2.3	1.00	ST
23.01	GX 000399055F	REAR COVER, SWING ARM ATC	刀倉後蓋	L792xW472xH202	1.00	ST
24.01	GX 000199067F	FIXED PLATE, MAGAZINE	固定板	L1140xW45xT2.3	1.00	ST
25.00	GX 000199077F	PLATE	擋板	L505xW98xT2.3	1.00	ST
26.01	GX 000399058F	COVER	蓋板 (#50 30支刀鏈式刀庫)	L290xW146xT1.6	1.00	ST
27.01	GX 000399059F	COVER	蓋板 (#50 30支刀鏈式刀庫)	L460xW228xH185	1.00	ST
28.00	NV 001044920A	WINDOW, MAGAZINE	壓克力板 (換刀臂ATC,刀庫護蓋)	L250.5xW250.5xT2	1.00	ST
29.00	GX 000399062F	COVER, SWING ARM ATC	刀倉蓋板	L200xW45xH2.3	1.00	ST
30.00	GX 000022109D	REAR PLATE, RIGHT	右後擋板	L1822xW462xH20	1.00	ST

Chapter 6

強電箱

Power Case

REV	DESCRIPTION	DATE	ECK
A	発行名称	2007/2/4	
B	24. 高圧冷熱交換器(FANUC)の設置位置を修正し、φ30の孔を開け、φ30の孔を開け、φ30の孔を開け	2007/9/11	792
C	1.5kw冷熱交換器(FANUC)の設置位置を修正し、φ30の孔を開け、φ30の孔を開け	2007/9/11	812
D	発行名称を「GX 000415801D」に変更	2007/10/9	838
E	1.5kw冷熱交換器(FANUC)の設置位置を修正し、φ30の孔を開け、φ30の孔を開け	2007/10/29	867



MODEL: GX 1300/GX 1600
PART NAME POWER CASE(FANUC CE)
PART NUMBER GX 000415801D
DATE 2007/2/2
SCALE 1:20
REV. E
PAGE 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000415801D

Description: POWER CASE(FANUC CE)
強電箱(FANUC CE)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.02	GX 000199034D	POWER CASE	強電箱	L1200xW1030xH500	1.00	EA
2.00	MS 0104017	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL16	6.00	EA
3.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	6.00	EA
4.01	NV 000199011D	PLATE,WIRE OUTLET	出線板	L136xW100xH2.3	1.00	EA
5.00	MS 0103414	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL8	4.00	EA
6.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
7.00	GX 000199033D	FRONT COVER,POWER CASE	強電箱前蓋	L1200xW277xH38	1.00	EA
8.00	MS 0303516	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M5xP0.8xL12	5.00	EA
9.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	5.00	EA
11.00	MS 0333413	PAN HEAD PHILIPS SCREW	十字圓頭螺絲	M4xP0.7xL6	6.00	EA
12.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	6.00	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
15.02	NV 000299076A	PLATE, POWER CASE	強電板(上)	L450xW170xH2.3	1.00	EA
16.00	NV 000299075A	BRACKET	支持板	L170xW135xH30	1.00	EA
17.01	GXA000199031D	PLATE, MOUNTING POWER CASE	固定板	L337xW305xH62	1.00	EA
18.01	GX 000199030D	PLATE,WIRE OUTLET	出線板	L372xW97xH2.3	1.00	EA
19.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	6.00	EA
20.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
21.01	GX 000199032D	SUPPORT,POWER CASE	強電箱座	L1054xW376xH185	1.00	EA

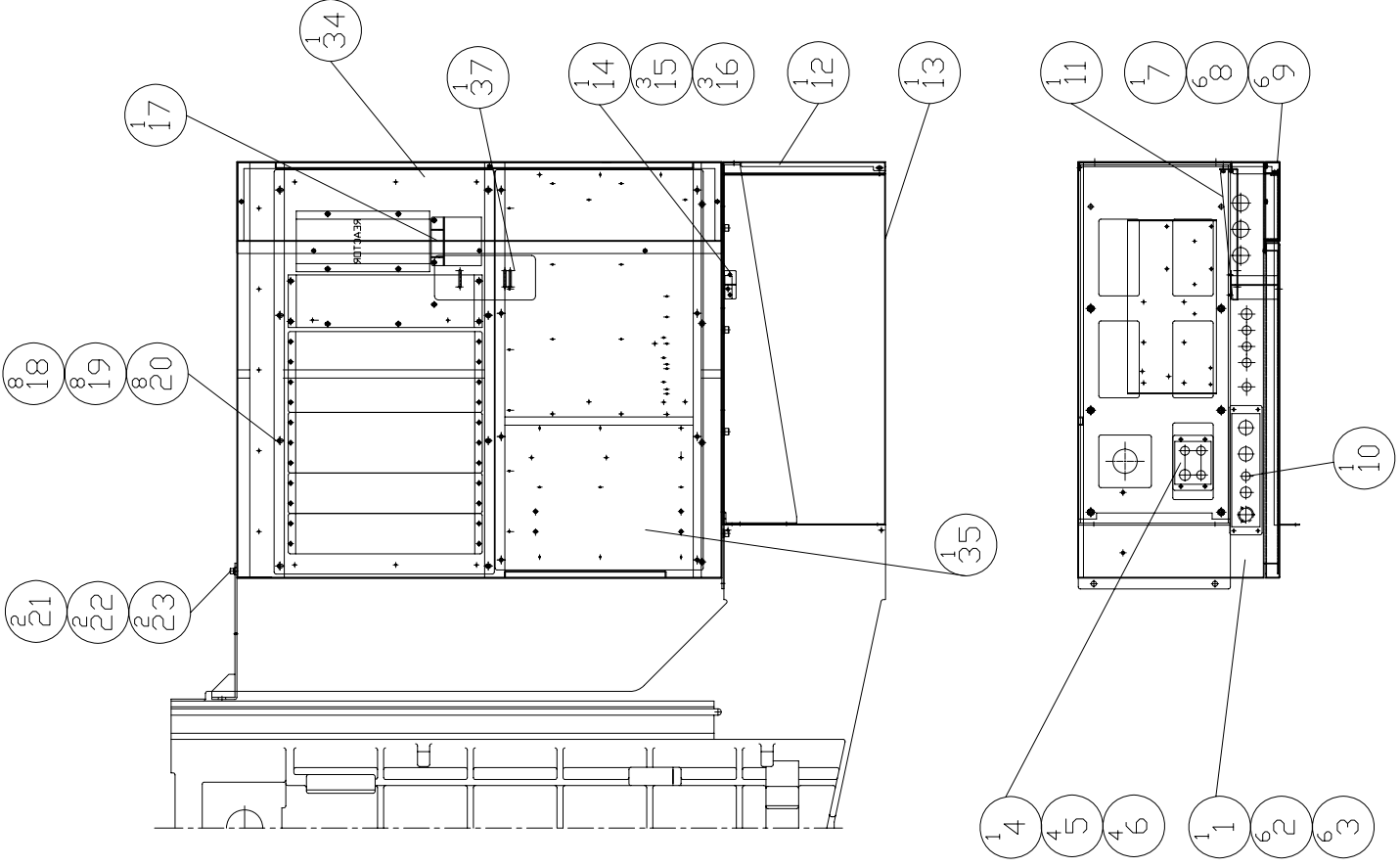
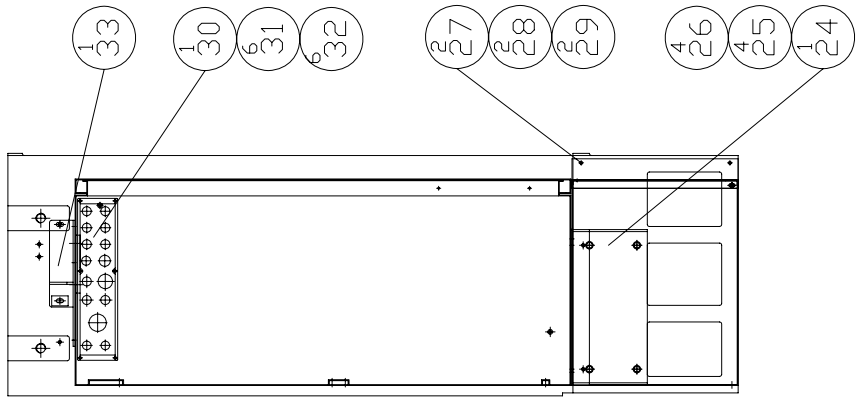
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
22.00 MS 0104621	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M16xP2.0xL35	4.00	EA
23.00 MS 0104621	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M16xP2.0xL35	4.00	EA
24.00 MW 0184610	SPRING WASHER	彈簧墊圈	M16	4.00	EA
25.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
26.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
27.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
28.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
29.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
30.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
31.00 GX 000199037D	COVER	護蓋	L513.4xW402.3xH30	1.00	EA
32.00 MS 0303516	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M5xP0.8xL12	3.00	EA
33.00 MW 0183510	SPRING WASHER	彈簧墊圈	M5	3.00	EA
34.00 MW 0103510	FLAT WASHER	平墊圈	M5	3.00	EA
36.00 MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	4.00	EA
37.00 MW 0183810	SPRING WASHER	彈簧墊圈	M8	4.00	EA
38.00 MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	2.00	EA
39.00 MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
40.00 MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	2.00	EA
41.00 MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	6.00	EA
42.00 MW 0183810	SPRING WASHER	彈簧墊圈	M8	6.00	EA
43.00 MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	6.00	EA
44.00 NVA000299073D	BRACKET	支持板	L678xW452xH135	1.00	EA
48.00 NV 000799028B	SEAT, POWER CASE	護蓋支撐座	L120.7xW70xH30	1.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
49.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
50.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
51.00	GX 000199038D	COVER	護蓋	L865xW402.3xH12	1.00	EA
52.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	8.00	EA
53.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	8.00	EA
54.00	NVA000199007D	PLATE,POWER CASE	強電板(下)	L940xW640xH2.3(FANUC)	1.00	EA
55.00	NV 000199010D	PLATE, WIRE OUTLET	出線板	L320xW80xH2.3	1.00	EA
56.01	GX 000399086D	BRACKET, MAIN SWITCH	主開關托架	L325xW286xH45	1.00	EA
57.00	NV 000199009A	COVER	蓋板	L380xW60xH2.3	1.00	EA
58.00	NV 000199113A	BRACKE TPLATE, MAIN SWITCH	主開關托架護板	L250xW110xH1.0	1.00	ST

REV	DESCRIPTION	DATE	ECN
A	新機	2007/6/21	827
B	端子台の仕様変更	2007/10/9	838
C	H11 NV 0009903->XK 000990640	2007/10/29	857



MODEL: GX1300/GX1600-#40/#50	PART NUMBER	REV. C
POWER CASE(SIEMENS)	GX 000415802D	PAGE 1 OF 1
力電 株式会社 SIEMENS		
DATE 2007/6/21	SCALE 1:21	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000415802D

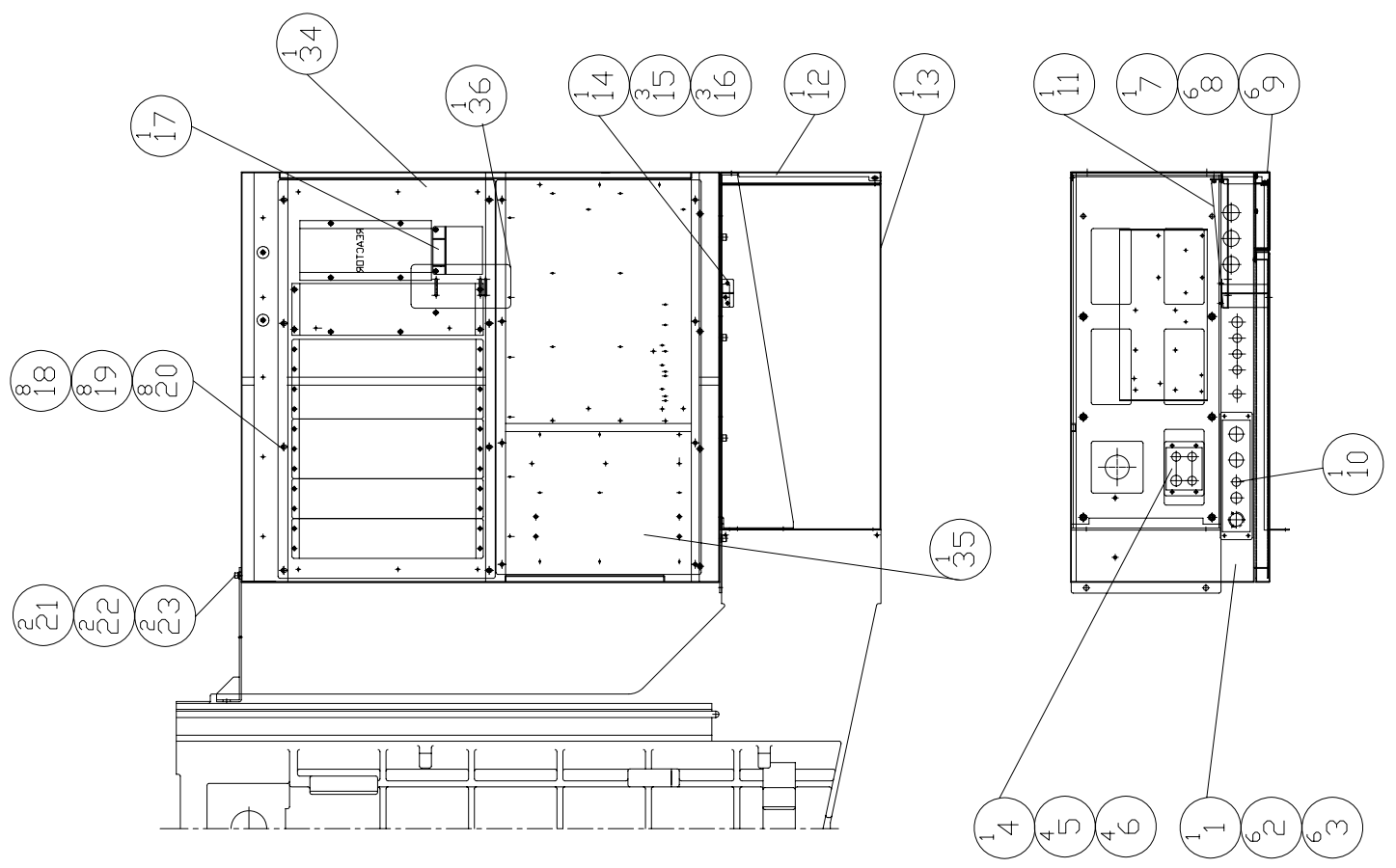
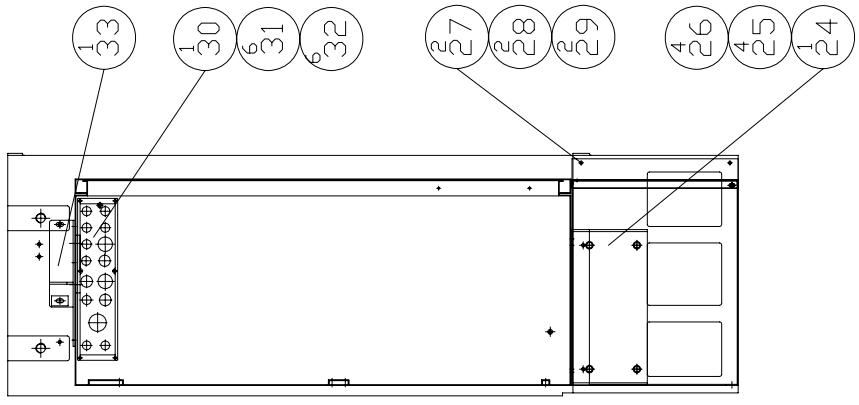
Description: POWER CASE(SIEMENS)
強電箱(SIEMENS)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	GX 000399035D	POWER CASE	強電箱(SIEMENS/HEIDENHAIN)	L1030xW1200xH500	1.00	EA
2.00	MS 0104017	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL16	6.00	EA
3.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	6.00	EA
4.00	NV 000199011D	PLATE,WIRE OUTLET	出線板	L136xW100xH2.3	1.00	EA
5.00	MS 0103414	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL8	4.00	EA
6.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
7.00	GX 000199033D	FRONT COVER,POWER CASE	強電箱前蓋	L1200xW277xH38	1.00	EA
8.00	MS 0303516	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M5xP0.8xL12	6.00	EA
9.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
10.00	NV 000199010D	PLATE, WIRE OUTLET	出線板	L320xW80xH2.3	1.00	EA
11.01	GX 000399086D	BRACKET, MAIN SWITCH	主開關托架	L325xW286xH45	1.00	EA
12.00	GX 000199037D	COVER	護蓋	L513.4xW402.3xH30	1.00	EA
13.00	GX 000199038D	COVER	護蓋	L865xW402.3xH12	1.00	EA
14.00	NV 000799028B	SEAT, POWER CASE	護蓋支撐座	L120.7xW70xH30	1.00	EA
15.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
16.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
17.00	NVA000399037A	POWER SUPPLY SEAT	電源供應器固定座	L195xW120xH32.3(SIEMENS)	1.00	EA
18.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	8.00	EA
19.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	8.00	EA
20.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00 MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	2.00	EA
22.00 MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
23.00 MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	2.00	EA
24.00 GX 000199032D	SUPPORT,POWER CASE	強電箱座	L1054xW376xH185	1.00	EA
25.00 MS 0104621	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M16xP2.0xL35	4.00	EA
26.00 MW 0184610	SPRING WASHER	彈簧墊圈	M16	4.00	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 GX 000199030D	PLATE,WIRE OUTLET	出線板	L372xW97xt2.3	1.00	EA
31.00 MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	6.00	EA
32.00 MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
33.00 GX A000199031D	PLATE, MOUNTING POWER CASE	固定板	L337xW305xH62	1.00	EA
34.01 NVA000399036D	PLATE, POWER CASE	強電板(上)	L1000xW545xH2.3(SIEMENS)	1.00	EA
35.00 NV 000399034D	PLATE,POWER CASE	強電板(下)	L990xW515xH2.3(SIEMENS)	1.00	EA
36.00 NV 000199113A	BRACKE TPLATE, MAIN SWITCH	主開關托架護板	L250xW110xH1.0	1.00	ST

REV	DESCRIPTION	DATE	ECN
A	新形番	2007/7/5	670
B	24号08番機用16番機用、φ30孔用	2007/9/11	792
C	24号16番機用φ30孔用	2007/10/9	838
D	111 IN 0019903D→XC 000395086D	2007/10/28	867



MODEL: GX1300/GX1600-#40/#50	DATE: 2007/7/5	SCALE: 1:21	REV: D
PART NAME: POWER CASE<HEIDENHAIN>	PART NUMBER: GX 000415803D	PAGE 1 OF 1	
名称: 電源箱<HEIDENHAIN>			

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 000415803D

Description: POWER CASE(HEIDENHAIN)
強電箱(HEIDENHAIN)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.01	GX 000399035D	POWER CASE	強電箱(SIEMENS/HEIDENHAIN)	L1030xW1200xH500	1.00	EA
2.00	MS 0104017	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL16	6.00	EA
3.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	6.00	EA
4.00	NV 000199011D	PLATE,WIRE OUTLET	出線板	L136xW100xH2.3	1.00	EA
5.00	MS 0103414	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL8	4.00	EA
6.00	MW 0183410	SPRING WASHER	彈簧墊圈	M4	4.00	EA
7.00	GX 000199033D	FRONT COVER,POWER CASE	強電箱前蓋	L1200xW277xH38	1.00	EA
8.00	MS 0303516	BUTTON HD. SOCKET	六角穴半圓頭螺絲	M5xP0.8xL12	6.00	EA
9.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
10.00	NV 000199010D	PLATE, WIRE OUTLET	出線板	L320xW80xH2.3	1.00	EA
11.01	GX 000399086D	BRACKET, MAIN SWITCH	主開關托架	L325xW286xH45	1.00	EA
12.00	GX 000199037D	COVER	護蓋	L513.4xW402.3xH30	1.00	EA
13.00	GX 000199038D	COVER	護蓋	L865xW402.3xH12	1.00	EA
14.00	NV 000799028B	SEAT, POWER CASE	護蓋支撐座	L120.7xW70xH30	1.00	EA
15.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	3.00	EA
16.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	3.00	EA
17.00	NVA000399037A	POWER SUPPLY SEAT	電源供應器固定座	L195xW120xH32.3(SIEMENS)	1.00	EA
18.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	8.00	EA
19.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	8.00	EA
20.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	8.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

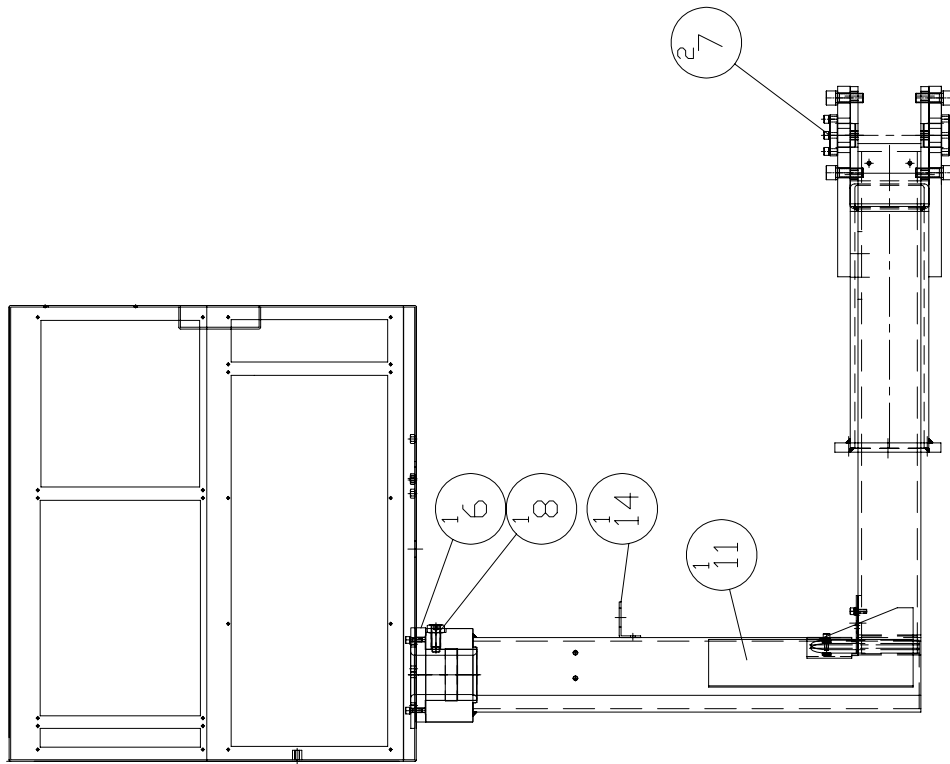
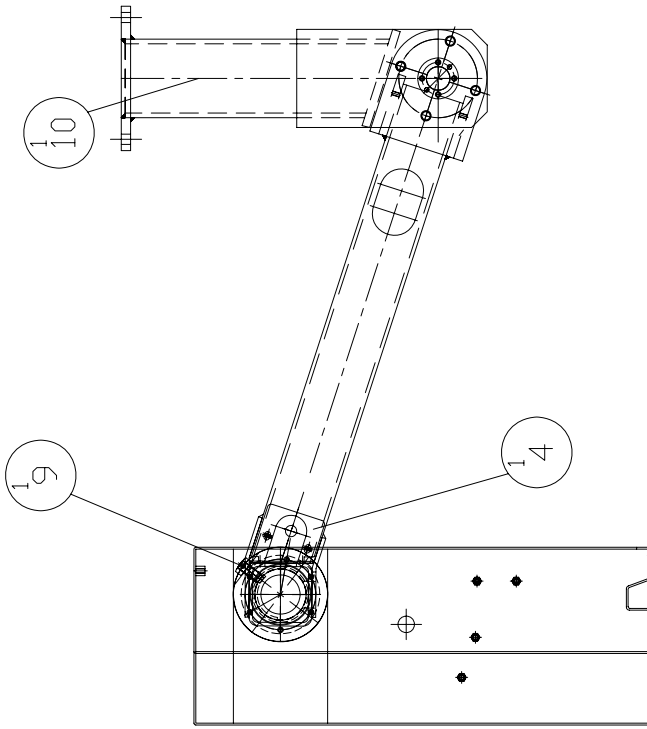
Item Part NO.	Description	中文名稱	Specification	Qty	Unit
21.00 MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	2.00	EA
22.00 MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
23.00 MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	2.00	EA
24.00 GX 000199032D	SUPPORT,POWER CASE	強電箱座	L1054xW376xH185	1.00	EA
25.00 MS 0104621	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M16xP2.0xL35	4.00	EA
26.00 MW 0184610	SPRING WASHER	彈簧墊圈	M16	4.00	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 GX 000399047D	PLATE,WIRE OUTLET	出線板	L372xW97xT2.3	1.00	ST
31.00 MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	6.00	EA
32.00 MW 0183510	SPRING WASHER	彈簧墊圈	M5	6.00	EA
33.00 GX A000199031D	PLATE, MOUNTING POWER CASE	固定板	L337xW305xH62	1.00	EA
34.00 NV 000799040D	PLATE, POWER CASE	強電板(上)	L1000xW545xH2.3	1.00	EA
35.01 NVA000599070D	PLATE, POWER CASE	強電板(下)	L990xW515xH2.3(HEIDENHAIN)	1.00	EA
36.00 NV 000199113A	BRACKE TPLATE, MAIN SWITCH	主開關托架護板	L250xW110xH1.0	1.00	ST

Chapter 7

操作箱

Operating Cabinet

REV	DESCRIPTION	DATE	ECN
A	新仕様	2006/12/11	301
B	#11機GX ADO10G6111D	2007/3/13	474
C	#11機GX ADO10G6111D	2007/3/13	474
C	#11機GX ADO10G6111D	2007/4/26	543
C	#11機GX ADO10G6111D	2007/4/26	543
D	#10機GX C0010G6110D	2007/5/20	545
E	増設#14<NV 000799044D>	2007/5/23	584



MODEL: GX 1300#40/#50

PART NAME

OPERATOR PANEL-OPERATOR SHAFT

オペレータパネル—オペレータ軸

DATE: 2006/12/11

SCALE: 1:10

REV: E

PART NUMBER

GX 001045301D

PAGE: 1 OF 1

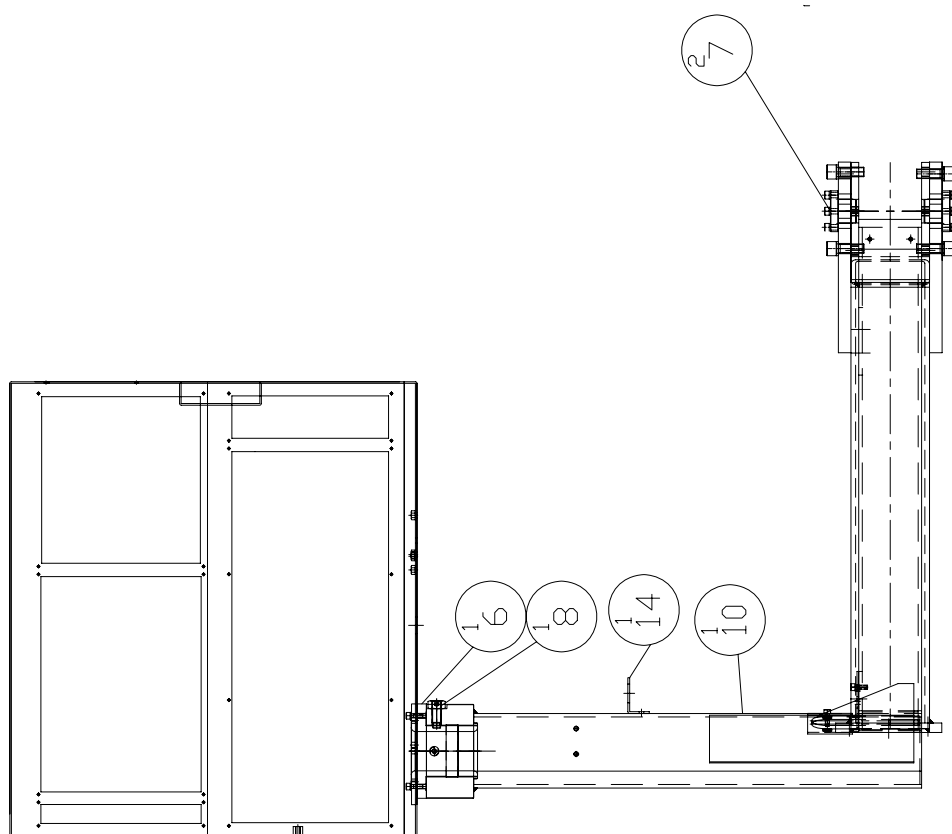
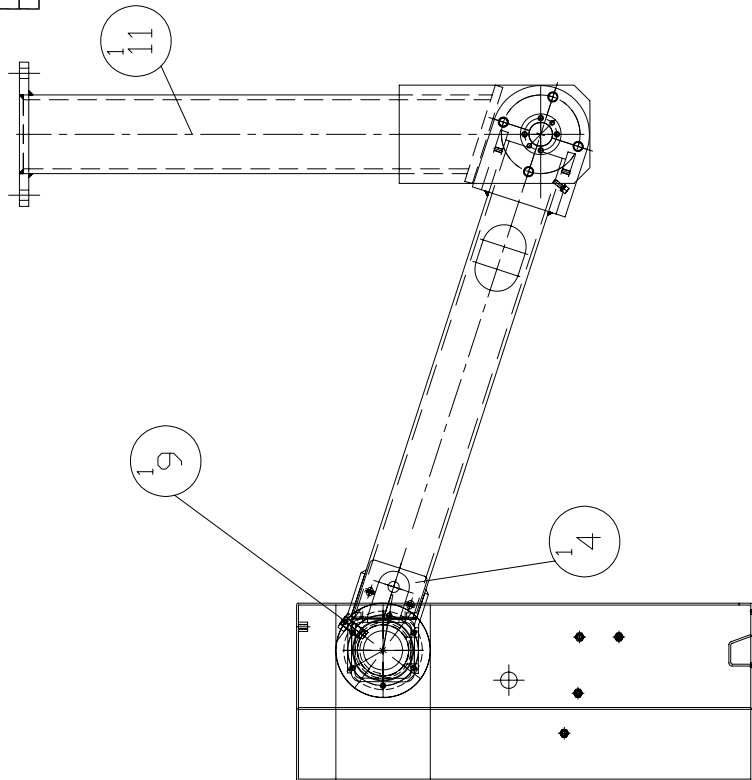
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 001045301D

Description: OPERATOR CABINE-OPERATOR SHAFT
操作箱-操作桿

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
4.04	GXB000199047D	UPPER COVER,OPERATOR SHAFT	操作桿上蓋	L77.5xW80xH65	1.00	EA
6.03	GXA000403800D	SHAFT,OPERATOR PANEL	操作箱轉軸	D120xd50xH84.3	1.00	EA
7.01	GX 000403801D	POLE,OPERATOR BRACKET	固定桿旋轉軸	D52xd30xL33	2.00	EA
8.03	GXA000403802D	BUSHING,OPERATOR PANEL SHAFT	旋轉軸套	D120xd65xH65	1.00	EA
9.01	GXA000668401D	SOC SET,HALF DOG	桿頭端固定螺絲	M12xP1.75xL35	1.00	EA
11.03	GXB001066111D	OPERATOR ROTATING BRACKET	操作箱活動桿	L795.8xW124xH630	1.00	EA
14.00	NV 000799044A	COVER	蓋板	L45.5xW40xH25	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	新仕様	2006/12/11	301
B	#10 改機CX A001066110D	2007/3/13	474
C	#10 改機CX A001066111D	2007/3/13	474
C	#10 改機CX A001066110E	2007/4/26	543
C	#10 改機CX A001066110F	2007/4/26	543
D	#11 改機CX C001066110E	2007/5/29	545
E	#11 改機CX C001066110F	2007/5/29	545
E	#11 改機CX C001066110G	2007/5/29	545
E	#11 改機CX C001066110H	2007/5/29	545
E	#11 改機CX C001066110I	2007/5/29	545
E	#11 改機CX C001066110J	2007/5/29	545
E	#11 改機CX C001066110K	2007/5/29	545
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E	#11 改機CX C001066110N	2007/5/29	545
E	#11 改機CX C001066110O	2007/5/29	545
E	#11 改機CX C001066110P	2007/5/29	545
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E	#11 改機CX C001066110R	2007/5/29	545
E	#11 改機CX C001066110S	2007/5/29	545
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E	#11 改機CX C001066110V	2007/5/29	545
E	#11 改機CX C001066110W	2007/5/29	545
E	#11 改機CX C001066110X	2007/5/29	545
E	#11 改機CX C001066110Y	2007/5/29	545
E	#11 改機CX C001066110Z	2007/5/29	545



MODEL: GX 1600#40/#50

PART NAME

OPERATOR PANEL-OPERATOR SHAFT
オペレータパネル - オペレータシャフト

PART NUMBER

GX 001045301E

PAGE 1 OF 1

REV. E

SCALE 1:10

DATE 2006/12/11

KURT
SHIN

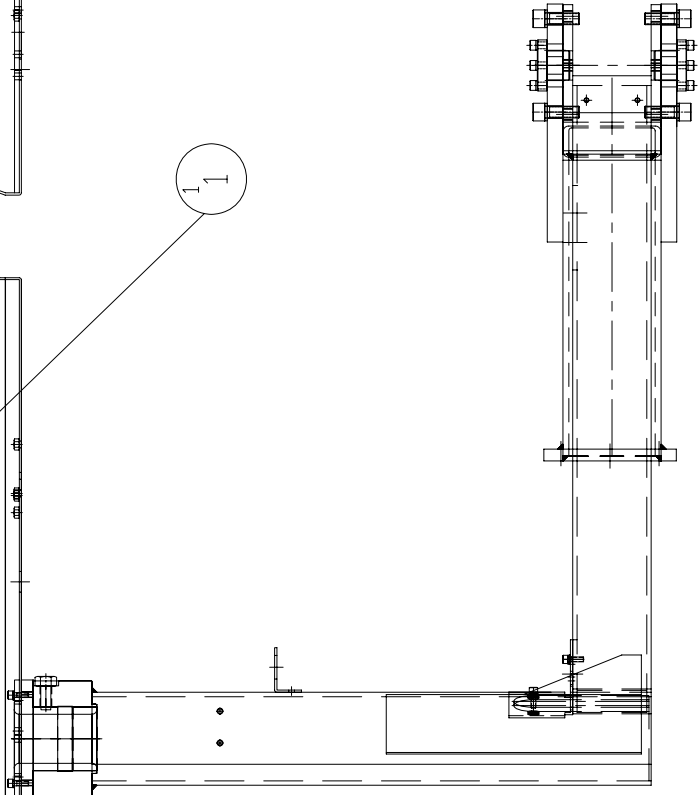
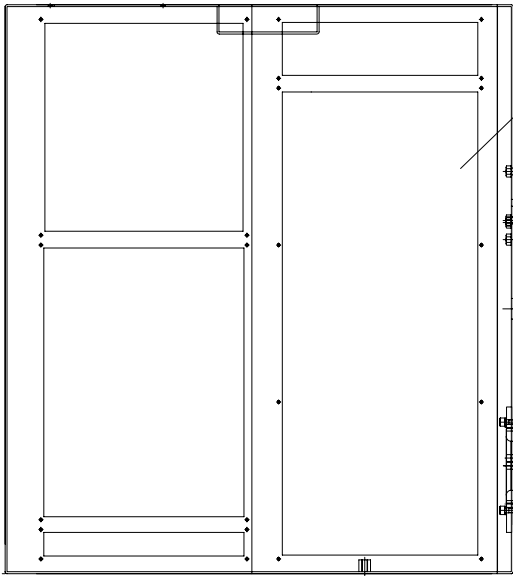
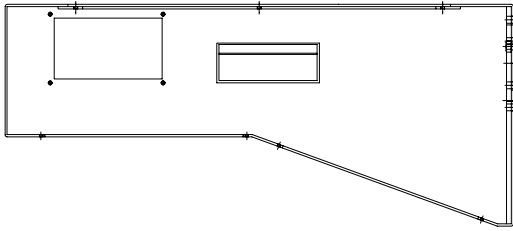
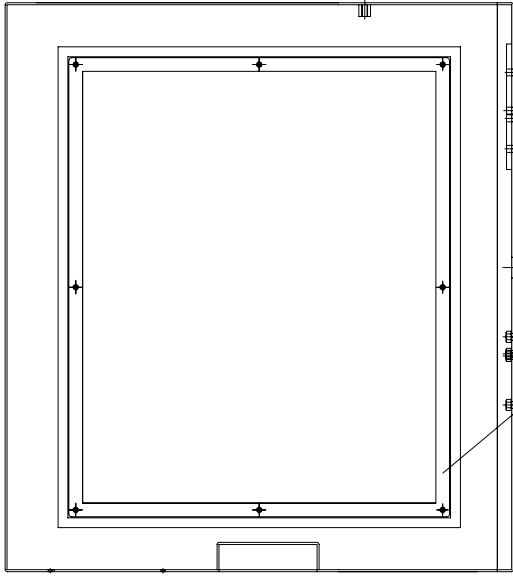
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 001045301E

Description: OPERATOR CABINE-OPERATOR SHAFT
操作箱-操作桿

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
4.04	GXB000199047D	UPPER COVER,OPERATOR SHAFT	操作桿上蓋	L77.5xW80xH65	1.00	EA
6.03	GXA000403800D	SHAFT,OPERATOR PANEL	操作箱轉軸	D120xd50xH84.3	1.00	EA
7.01	GX 000403801D	POLE,OPERATOR BRACKET	固定桿旋轉軸	D52xd30xL33	2.00	EA
8.03	GXA000403802D	BUSHING,OPERATOR PANEL SHAFT	旋轉軸套	D120xd65xH65	1.00	EA
9.01	GXA000668401D	SOC SET,HALF DOG	桿頭端固定螺絲	M12xP1.75xL35	1.00	EA
10.04	GXB001066111D	OPERATOR ROTATING BRACKET	操作箱活動桿	L795.8xW124xH630	1.00	EA
11.04	GXC001066110E	OPERATOR FIXED BRACKET	操作箱固定桿	L725.7xW183.5xH135	1.00	EA
14.00	NV 000799044A	COVER	蓋板	L45.5xW40xH25	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	新仕様	2007/6/25	627



MODEL: GX 1300/1600-#40/#50	
PART NAME	PART NUMBER
OPERATOR CABINET(FANUC 01MC/18i)	GX 001045314D
操作箱(FANUC 01MC/18i)	PAGE 1 OF 1
DATE 2007/6/25	SCALE 1:8
DATE 2007/6/25	REV. A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

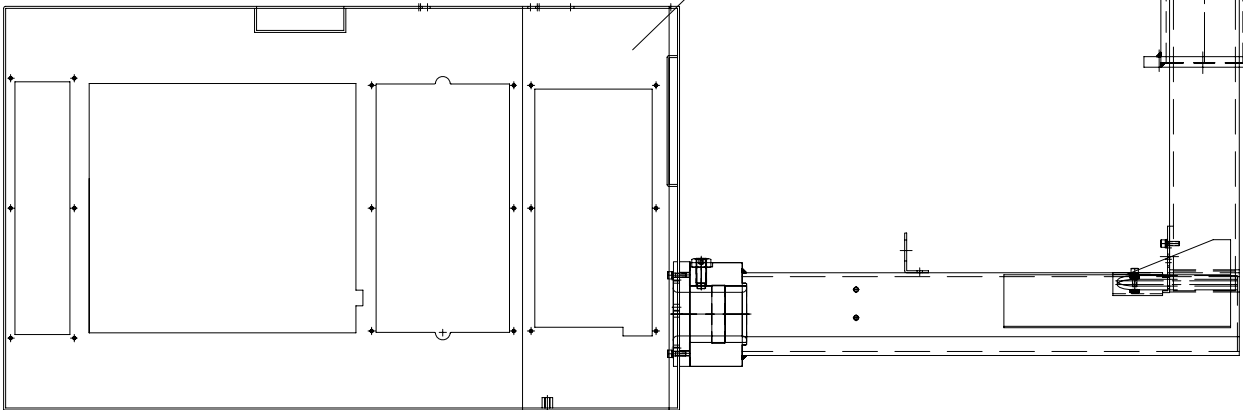
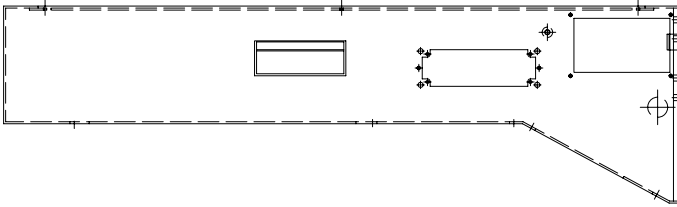
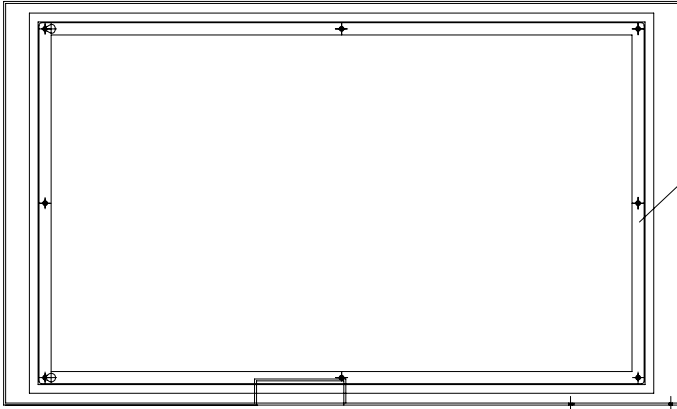
Master Item Part NO.: GX 001045314D

Description: OPERATOR CABINET(FANUC)
操作箱(FANUC 0iMC/18i)

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Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000199036D	OPERATING PANEL CASE	操作箱 (FANUC)	L518xW580xH226	1.00	EA
2.00	NV 000399039A	REAR COVER, OPERATOR CABINET	操作箱後蓋	L468xW388xH2.3(SIEMENS)	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	新仕様	2007/6/25	627



MODEL: GX 1300/1600-H40/H50

PART NAME	PART NUMBER
OPERATOR CABINET(SIEMENS)	GX 001045310D
操作台柜(SIEMENS)	PAGE 1 OF 1
DATE 2007/6/25	SCALE 1:8
REV. A	

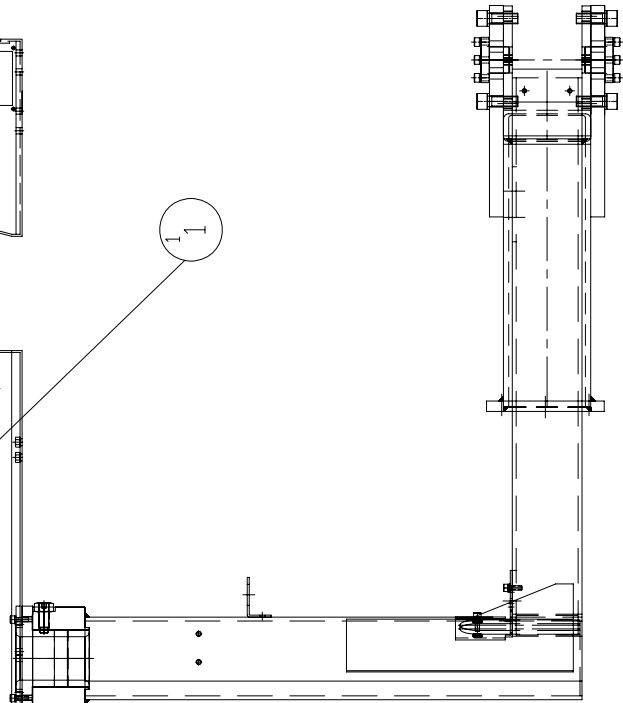
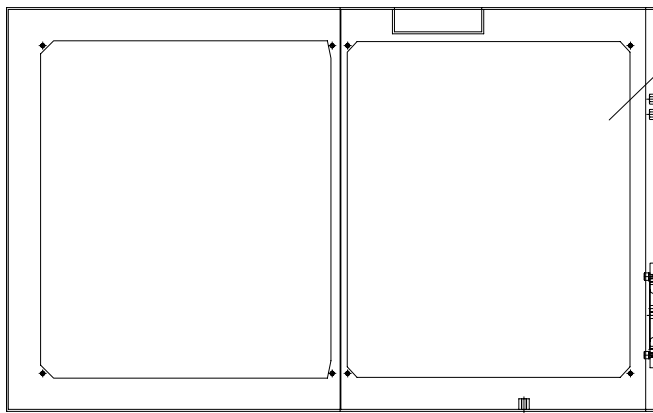
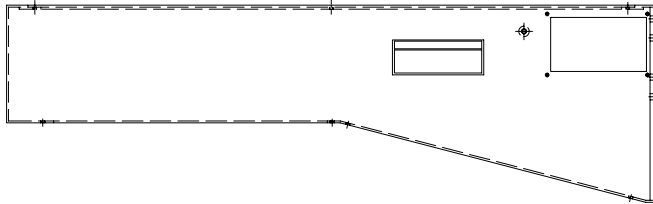
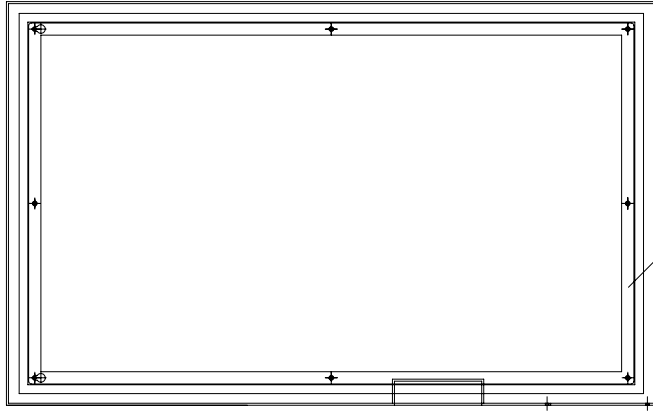
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 001045310D

Description: OPERATOR CABINET(SIEMENS)
操作箱(SIEMENS)

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000799056D	OPERATING PANEL CASE	操作箱(SIEMENS)	L463xW775xH135	1.00	EA
2.00	GX 000499085D	REAR COVER, OPERATOR CABINET	操作箱後蓋(SIEMENS/HEIDENHAIN)	L414xW694xH2.3	1.00	EA

REV	DESCRIPTION	DATE	ECN
A	新仕様	2007/6/25	627



MODEL: GX 1300/1600-H40/H50	
PART NAME	PART NUMBER
OPERATOR CABINET<HEIDENHAIN>	GX 001045311D
操作種<HEIDENHAIN>	PAGE 1 OF 1
DATE 2007/6/25	SCALE 1:9
SPERRY PHIL	REV. A

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 001045311D

Description: OPERATOR CABINET(HEIDENHAIN)
操作箱(HEIDENHAIN)

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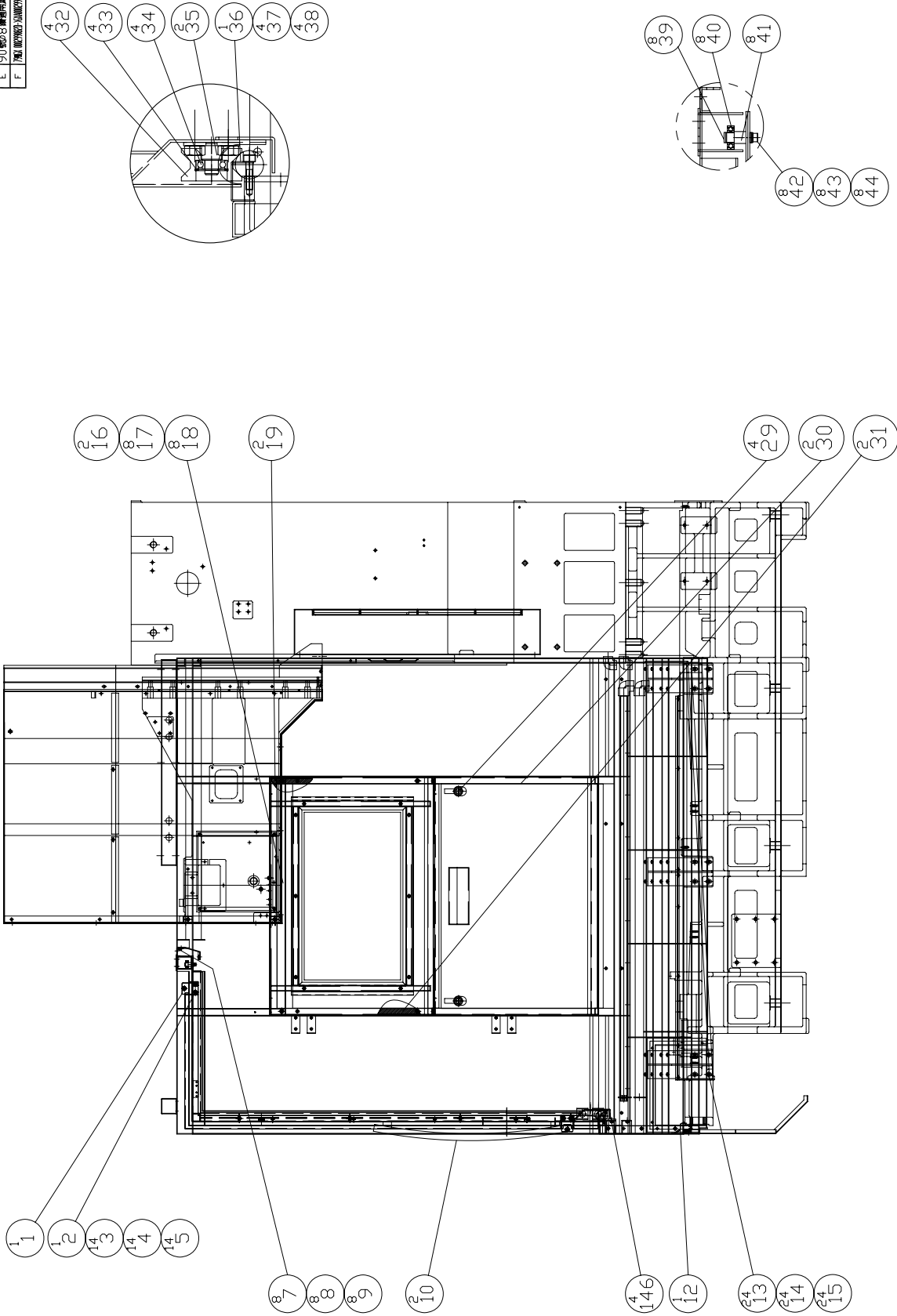
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000499068D	OPERATING PANEL CASE	操作箱(HEIDENHAIN)	L580xW745xH135	1.00	EA
2.00	GX 000499085D	REAR COVER, OPERATOR CABINET	操作箱後蓋(SIEMENS/HEIDENHAIN)	L414xW694xH2.3	1.00	EA

Chapter 8

外型板金

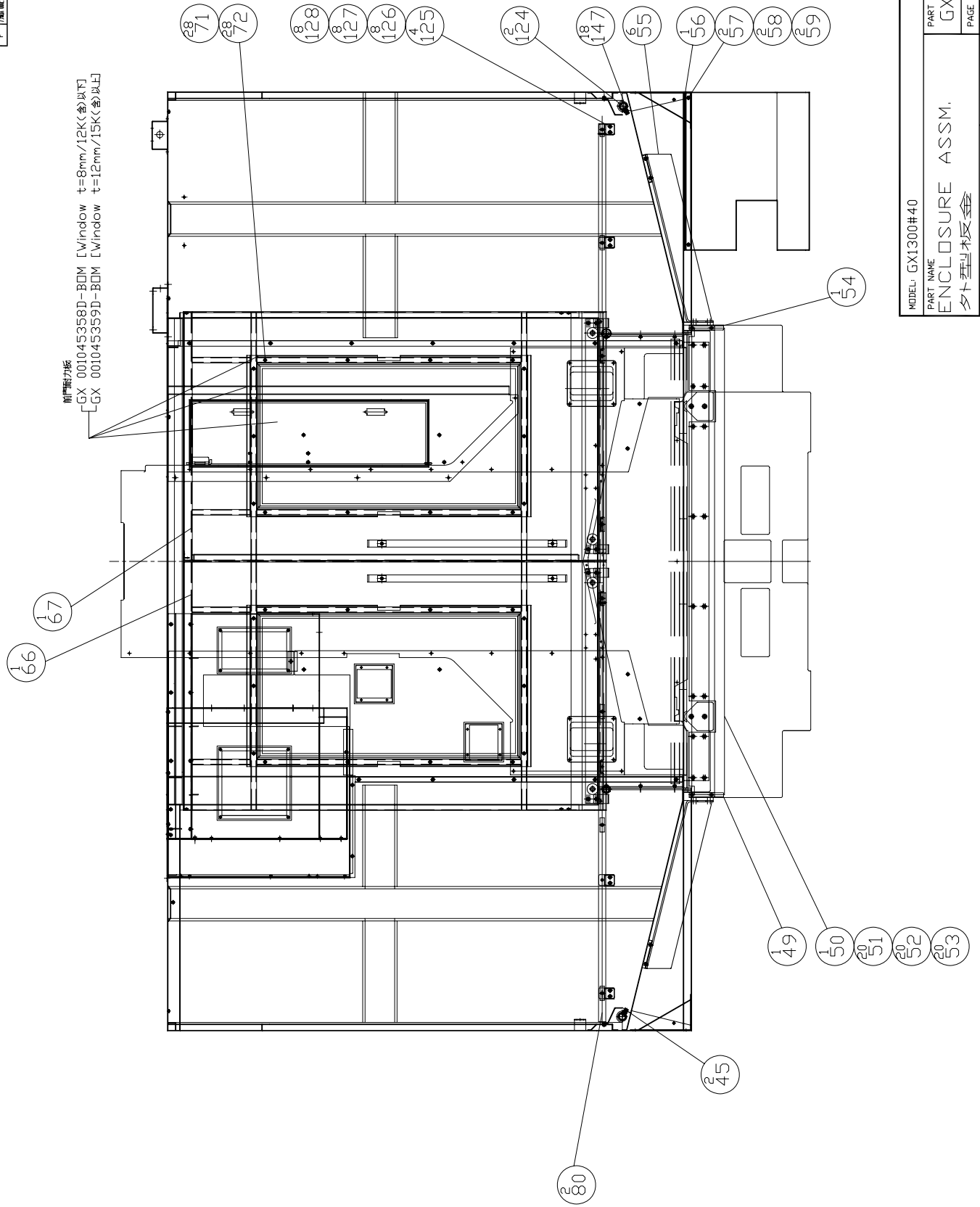
Enclosure Assm

REV	DESCRIPTION	DATE	ECN
A	新形發售	2007/2/13	608
B	規格 GX 001045313D 標準規格 2mm/8mm 取付位置	2007/7/23	664
C	規格 4.7mm GX 001010901D	2007/8/2	671
D	規格 4.7mm GX 0010900D-GX0010900D	2007/8/29	762
E	規格 4.7mm 標準規格 .140mm 取付位置	2007/9/11	792
F	規格 4.7mm 標準規格 .140mm 取付位置 (標準規格 1.40mm 取付位置)	2007/11/7	842



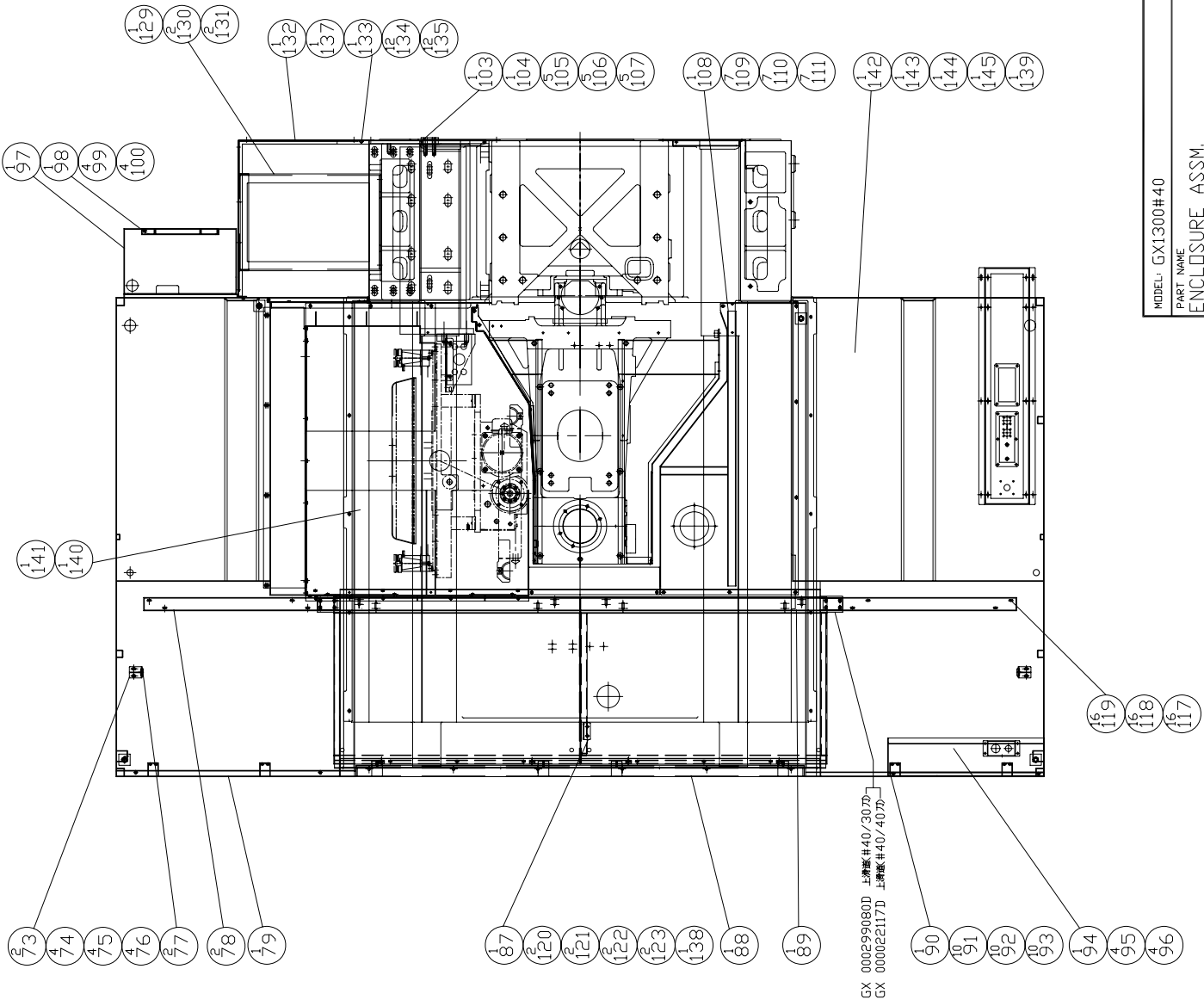
MODEL: GX1300#40	PART NUMBER
ENCLOSURE ASSM.	GX 001045313D
夕卜基山板金	PAGE 1 OF 3
DATE 2007/2/13	REV. F
SCALE 1:22	

REV	DESCRIPTION	DATE	ECN
A	新形分岐	2007/2/13	608
B	新形GX 001045353D 標準幅2mm/8mm取付位置	2007/7/31	664
C	新形47番GX 001010901D	2007/8/2	671
E	90番GX 標準幅厚さ、140番取付位置	2007/9/11	792
F	17番 GX 標準幅厚さ、140番取付位置	2007/11/7	842



MODEL: GX1300#40	SCALE: 1:20
ENCLOSURE ASSM.	
PART NUMBER: GX 001045313D	
DATE: 2007/2/13	REV: F
PAGE: 2	DF: 3

REV	DESCRIPTION	DATE	ECN
A	新設計	2007/2/13	608
B	機材 00045303 調整機材/8mm厚仕様	2007/7/31	664
C	調整機材 GX 00101090D	2007/8/2	671
D	調整機材 GX 00101090D	2007/8/24	762
E	調整機材 GX 00101090D	2007/9/11	792
F	調整機材 GX 00101090D	2007/11/7	842



MODEL: GX1300#40	PART NUMBER: GX 001045313D
ENCLOSURE ASSM.	PAGE 3 OF 3
DATE: 2007/2/13	REV. F
SCALE: 1:24	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 001045313D

Description: ENCLOSURE ASSM.
外型板金

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000022101D	PLATE,RIGHT SPLASH GUARD	右擋水板	L1477xW587xH12	1.00	EA
2.00	GX 000022102D	PLATE,LEFT SPLASH GUARD	左擋水板	L1477xW587xH12	1.00	EA
3.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	14.00	EA
4.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	14.00	EA
5.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	14.00	EA
7.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
8.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
9.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
10.00	NV 00103590107	SST HANDLE, ARC TYPE	不鏽鋼弧形把手(P=600)	不鏽鋼弧形把手(P=600)	2.00	EA
12.00	GX 000199078D	PLATE,MIDDLE GUARD	中外型板金擋板	L1579xW39.1xH34	1.00	EA
13.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	24.00	EA
14.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	24.00	EA
15.00	MW 0104010	FLAT WASHER	平墊圈	M10	24.00	EA
16.00	NV 000022225A	SIDE DOOR, UPPER	側門(上)	L850xW602xH24.3	2.00	EA
17.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
18.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
19.00	NV 00106420103	RUBBER SEAL, SIDE DOOR	發泡橡膠	W20x3T	2.00	MT
29.00	NV 00103590106	COMPRESSION EXTENSIBLE LATCH	迫緊式伸縮門鎖	[TAI-SAN]允際 MS816-1	4.00	ST
30.00	NV 000022226A	SIDE DOOR, LOWER	側門(下)	L850xW602xH24.3	2.00	EA
31.00	NV 00106420101	RUBBER SEAL, SIDE DOOR	發泡橡膠	W20x2T	2.00	MT

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
32.00 NV 000942400A	ROLLER, DOOR	滑輪	D54xL29	4.00	EA
33.00 NV 00082310101	RING, C-RETAINING	C型內扣	R-28	4.00	EA
34.00 NV 00002660104	BALL BEARING	單列深槽滾珠軸承	6001ZZ	4.00	EA
35.00 NV 000378000D	SEAT, DOOR ROLLER	輪座板	L825xW50xH28.3	2.00	EA
36.00 GX 000299078D	FRONT PLATE,ENCLOSURE	前護板	L1704xW35.4xH20	1.00	EA
37.00 MS 0103314	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M3xP0.5xL8	4.00	EA
38.00 MW 0183310	SPRING WASHER	彈簧墊圈	M3	4.00	EA
39.00 NV 00082310201	RING, C-RETAINING	C型外扣	S-12	8.00	EA
40.00 NV 00002660104	BALL BEARING	單列深槽滾珠軸承	6001ZZ	8.00	EA
41.00 NV 000403801A	SHAFT, DOOR ROLLER	輪軸	D14.3xL23.5	8.00	EA
42.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
43.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
44.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
45.00 GX 000199053D	COVER	蓋	L1693xW56.6xH141.5	2.00	EA
49.00 GX 000199059D	SIDE COVER,BASE(LEFT)	底座側蓋(左)	L161.2xW116.5xH17	1.00	EA
50.00 GX 000199055D	PLATE,Y-AXIS FRONT	Y前擋屑板	L1625xW129.6xH2.3	1.00	EA
51.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	20.00	EA
52.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	20.00	EA
53.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	20.00	EA
54.00 GX 000199058D	SIDE COVER,BASE(RIGHT)	底座側蓋(右)	L161.2xW120.6xH17	1.00	EA
55.00 GX 000299083D	SUPPORT, GUARD	外型板金支撐架	L590.7xW99.9xH237.3	6.00	EA
57.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
58.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
59.00	MW 0183610	彈簧墊圈	M6	2.00	EA
66.00	GX 000299085D	DOOR, GUARD FRONT LEFT	L900xW593xH1484.7	1.00	EA
67.00	GX 000299084D	DOOR, GUARD FRONT RIGHT	L875xW593xH1487	1.00	EA
71.00	MS 0103617	六角穴圓頭螺絲	M6xP1.0xL16	28.00	EA
72.00	MW 0183610	彈簧墊圈	M6	28.00	EA
73.00	NV 000599084A	STOPER, DOOR	L71xW40xH45	2.00	EA
74.00	MS 0103516	六角穴圓頭螺絲	M5xP0.8xL12	4.00	EA
75.00	MW 0183510	彈簧墊圈	M5	4.00	EA
76.00	MW 0103510	平墊圈	M5	4.00	EA
77.00	NV 001033102A	PLUG, SPLASH GUARD	D30.5xL9.5	2.00	EA
78.00	GX 000299079D	DOOR GUIDE, UPPER	L698xW49xH46.6	2.00	EA
79.03	GXA000299082D	GUARD, LEFT END	L1703xW894xH1842	1.00	EA
87.01	GX 000199057D	SEAT, DOOR SWITCH	L50xW25xH20	1.00	EA
88.01	GX 000022108D	MIDDLE GUARD	L1593xW52xH330	1.00	EA
90.02	GXA000299081D	GUARD, RIGHT END	L1703xW894xH1842	1.00	EA
91.00	MS 0103617	六角穴圓頭螺絲	M6xP1.0xL16	10.00	EA
92.00	MW 0103610	平墊圈	M6(d6*D19*H2)	10.00	EA
93.00	MW 0183610	彈簧墊圈	M6	10.00	EA
94.00	GX 000199060D	COVER	L130xW55xH55	1.00	EA
95.00	MS 0103514	六角穴圓頭螺絲	M5xP0.8xL8	4.00	EA
96.00	MW 0183510	彈簧墊圈	M5	4.00	EA
97.02	GX 000199069D	BOX(PNEUMATIC PARTS)	L880xW400xH152.3	1.00	EA
98.00	GX 000199075D	ROTARY DOOR	L743xW265xH19	1.00	EA

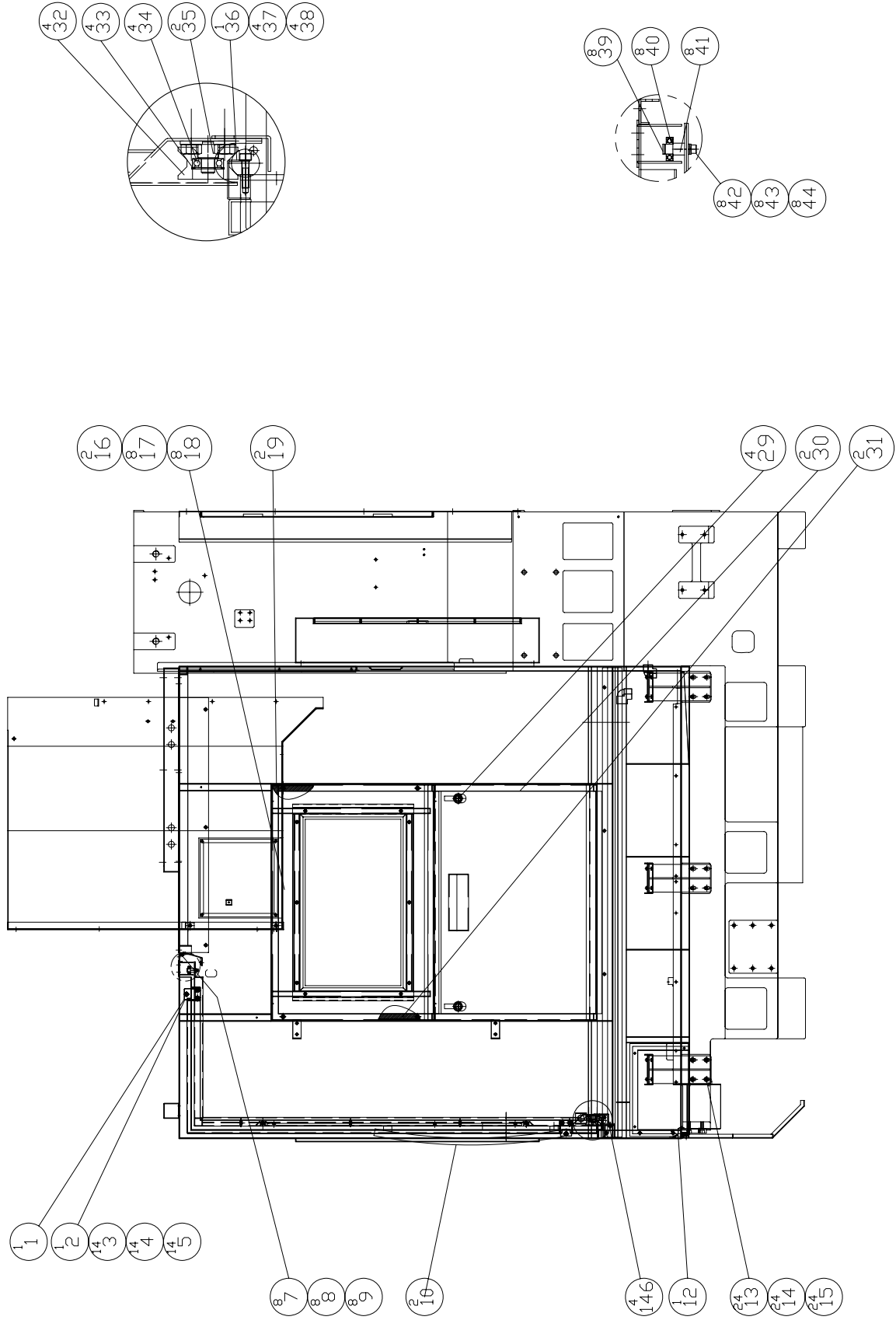
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
99.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
100.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
103.03 GXA000199056D	SIDE COVER,COLUMN	立柱側蓋	L1232xW336xH111.3	1.00	EA
104.00 GX 000199063D	ROTARY DOOR	旋轉門	L834xW228xH19	1.00	EA
105.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
106.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
107.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
108.00 GX 00022112D	TOP COVER	上護蓋	L973.5xW488.7xH14.3	1.00	EA
109.00 MW 0183510	SPRING WASHER	彈簧墊圈	M5	7.00	EA
110.00 MW 0103510	FLAT WASHER	平墊圈	M5	7.00	EA
111.00 MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	7.00	EA
117.00 MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	16.00	EA
118.00 MW 0103510	FLAT WASHER	平墊圈	M5	16.00	EA
119.00 MW 0183510	SPRING WASHER	彈簧墊圈	M5	16.00	EA
120.00 MS 0103416	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL12	2.00	EA
121.00 MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
122.00 MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
123.00 MN 0113410	HEXAGON NUT	六角螺帽	M4xP0.7	2.00	EA
124.01 GXA001010900D	NOZZLE	切削水接頭	L1450xD27.2	2.00	EA
125.00 NV 000022137D	BRACKET	固定塊	L55xW38xH5	4.00	EA
126.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
127.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
128.00 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
129.00 GX 000299090D	SUPPORTER, REAR COVER	背側板金支撐架	L509W344H70	1.00	EA
130.00 MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	2.00	EA
131.00 MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
132.01 GX 000299091D	REAR COVER(2)	背側蓋板(2)	L557.3xW486.5xH500	1.00	EA
133.03 GXA000299092D	REAR COVER(1)	背側蓋板(1)	L1320xW936xH557.3	1.00	EA
134.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	12.00	EA
135.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	12.00	EA
137.00 GX 000399006D	COVER(REAR COVER)	蓋板(背側蓋板)	L998xW598xH2.3	1.00	ST
138.00 GX 00103590101	LATCH, COPPER, TWIN BALL	銅雙珠門擋	允際TK-60	1.00	ST
139.00 GX 000299005D	PLATE	護板	L1623xW89.8xT2.3	1.00	ST
140.01 GX 000299006D	PLATE	護板	L753xW213.2xH80	2.00	ST
141.01 GX 000299007D	PLATE	護板	L763xW276.7xH25.8	2.00	ST
142.00 GX 000299001D	PLATE	護板	L836xW762xT1.2	1.00	ST
143.00 GX 000299002D	PLATE	護板	L836xW926.4xT1.2	1.00	ST
144.00 GX 000299003D	PLATE	護板	L836xW762xT1.2	1.00	ST
145.00 GX 000299004D	PLATE	護板	L836xW926.4xT1.2	1.00	ST
146.01 NVA000899025A	PLATE, FRONT DOOR	前門護板	L53xW32xH32	4.00	EA
148.00 GX 000399090D	COVER, RIGHT	蓋板, 右 (右側無除屑機時)	L314xW206xH37.3	1.00	ST
149.00 GX 000399091D	COVER, LEFT	蓋板, 左 (左側無除屑機時)	L	1.00	ST

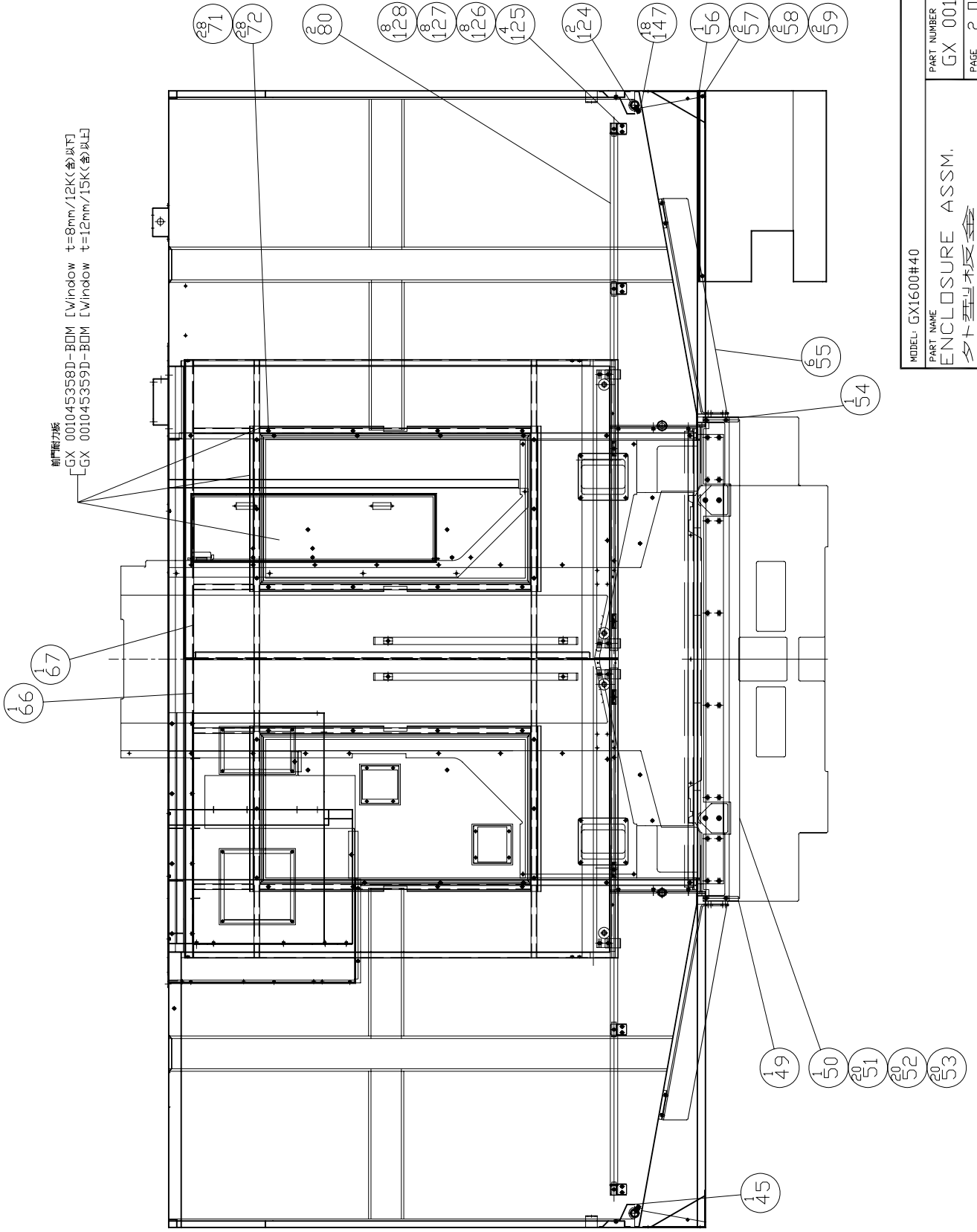
REV	DESCRIPTION	DATE	ECN
A	新設計	2007/2/13	664
B	機材 001045313E 機材 001045313E 機材 001045313E	2007/7/31	664
C	機材 47機材 GX 001010901D	2007/8/2	671
D	124機材 001009000-02A001009000	2007/8/29	762
E	170機材 001009000-02A001009000	2007/11/7	842



MODEL: GX1600#40	PART NUMBER
ENCLOSURE ASSM.	GX 001045313E
夕卜基山板金	PAGE 1 OF 3
DATE 2007/2/13	REV. F
SCALE 1:22	

REV	DESCRIPTION	DATE	ECN
A	新設計	2007/2/13	608
B	仕様 GX 001045353E 仕様値2mm/8mm取付位置	2007/7/23	664
C	仕様 47 仕様 GX 001010901D	2007/8/2	671
D	仕様 47 仕様 GX 00109500-GA00109500	2007/8/29	762
E	仕様 47 仕様 GX 00109500-GA00109500	2007/11/7	842

耐衝撃力版
 [GX 001045353D-BDM [Window t=8mm/12K(金)以下]
 [GX 001045353D-BDM [Window t=12mm/15K(金)以上]



MODEL: GX1600#40

PART NAME
ENCLOSURE ASSM.

PART NUMBER
GX 001045313E

DATE 2007/2/13

SCALE 1:20

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REV. F

REV	DESCRIPTION	DATE	EON
A	新形発注	2007/6/22	664
B	部材GX 00043532E 樹脂製2m/30m設置機	2007/7/31	664
C	部材GX 00043532E 樹脂製4.7m設置機	2007/8/2	671
D	部材GX 00043532E 樹脂製2m/30m設置機	2007/8/29	762
E	部材GX 00043532E 樹脂製4.7m設置機	2007/8/29	842

GX 000299001E
 GX 000299002E
 GX 000299003E
 GX 000299004E
 GX 000299005D
 GX 000299009D
 MS 0103820
 MW 0183810
 GX 000299009D
 GX 000399006D
 GX 000299009D
 MS 0103617
 MW 0183610

GX 0001990697A
 GX 0001990755A
 MS 0103617
 MW 0183610

GX 000199056D
 GX 000199063D
 MS 0103617
 MW 0103610
 MW 0183610

GX 000022112D
 MW 0183510
 MW 0103510
 MS 0103515

GX 000299007D
 GX 000299006D

NV 000599084A
 MS 0103516
 MW 0183510
 MW 0103510
 NV 000699102A
 GX 000022104E
 GX A000022107E

GX 000199057D
 MS 0103416
 MW 0103410
 MW 0183410
 MN 0113410
 GX 00103590101

GX 000022108D

GX 000022105E 上排機#40/307D
 GX 000022117E 上排機#40/407D

GX A000022106E
 MS 0103617
 MW 0103610
 MW 0183610
 GX 000199060D
 MS 0103514
 MW 0183510

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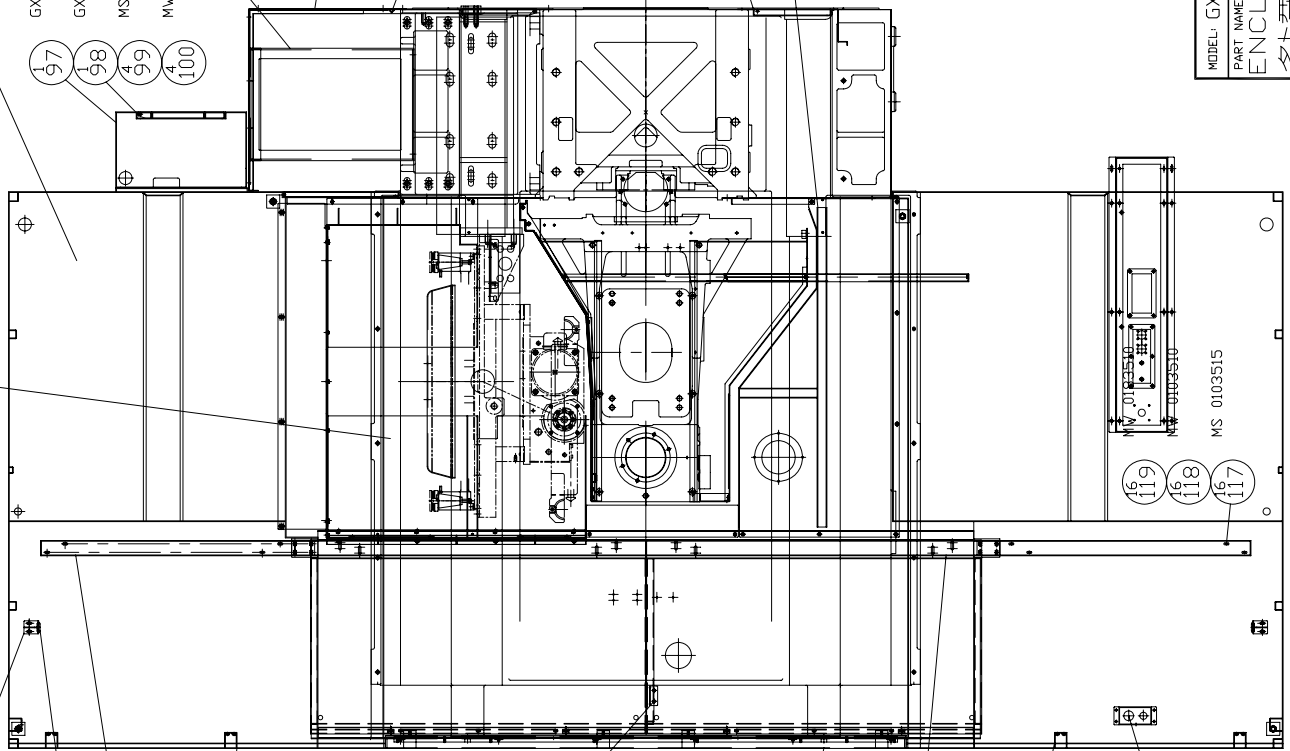
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MODEL: GX1600#40

PART NAME
 ENCLOSURE ASSM.
 夕十型機板室

PART NUMBER
 GX 001045313E

DATE 2007/2/13
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 REV. E

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 REV. E

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 001045313E

Description: ENCLOSURE ASSM.
外型板金

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000022101D	PLATE,RIGHT SPLASH GUARD	右擋水板	L1477xW587xH12	1.00	EA
2.00	GX 000022102D	PLATE,LEFT SPLASH GUARD	左擋水板	L1477xW587xH12	1.00	EA
3.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	14.00	EA
4.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	14.00	EA
5.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	14.00	EA
7.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
8.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
9.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
10.00	NV 00103590107	SST HANDLE, ARC TYPE	不鏽鋼弧形把手(P=600)	不鏽鋼弧形把手(P=600)	2.00	EA
12.00	GX 000199078D	PLATE,MIDDLE GUARD	中外型板金擋板	L1579xW39.1xH34	1.00	EA
13.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	24.00	EA
14.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	24.00	EA
15.00	MW 0104010	FLAT WASHER	平墊圈	M10	24.00	EA
16.00	NV 000022225A	SIDE DOOR, UPPER	側門(上)	L850xW602xH24.3	2.00	EA
17.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
18.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
19.00	NV 00106420103	RUBBER SEAL, SIDE DOOR	發泡橡膠	W20x3T	2.00	MT
29.00	NV 00103590106	COMPRESSION EXTENSIBLE LATCH	迫緊式伸縮門鎖	[TAI-SAN]允際 MS816-1	4.00	ST
30.00	NV 000022226A	SIDE DOOR, LOWER	側門(下)	L850xW602xH24.3	2.00	EA
31.00	NV 00106420101	RUBBER SEAL, SIDE DOOR	發泡橡膠	W20x2T	2.00	MT

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
32.00 NV 000942400A	ROLLER, DOOR	滑輪	D54xL29	4.00	EA
33.00 NV 00082310101	RING, C-RETAINING	C型內扣	R-28	4.00	EA
34.00 NV 00002660104	BALL BEARING	單列深槽滾珠軸承	6001ZZ	4.00	EA
35.00 NV 000378000E	SEAT, DOOR ROLLER	輪座板	L952xW50xH28.3	2.00	EA
36.00 GX 000022103E	FRONT PLATE,ENCLOSURE	前護板	L2004xW35.4xH20	1.00	EA
37.00 MS 0103314	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M3xP0.5xL8	4.00	EA
38.00 MW 0183310	SPRING WASHER	彈簧墊圈	M3	4.00	EA
39.00 NV 00082310201	RING, C-RETAINING	C型外扣	S-12	8.00	EA
40.00 NV 00002660104	BALL BEARING	單列深槽滾珠軸承	6001ZZ	8.00	EA
41.00 NV 000403801A	SHAFT, DOOR ROLLER	輪軸	D14.3xL23.5	8.00	EA
42.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
43.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
44.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
45.00 GX 000199053D	COVER	蓋	L1693xW56.6xH141.5	2.00	EA
49.00 GX 000199059D	SIDE COVER,BASE(LEFT)	底座側蓋(左)	L161.2xW116.5xH17	1.00	EA
50.00 GX 000199055D	PLATE,Y-AXIS FRONT	Y前擋屑板	L1625xW129.6xH2.3	1.00	EA
51.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	20.00	EA
52.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	20.00	EA
53.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	20.00	EA
54.00 GX 000199058D	SIDE COVER,BASE(RIGHT)	底座側蓋(右)	L161.2xW120.6xH17	1.00	EA
55.01 GX 000199052E	SUPPORT, GUARD	外型板金支撐架	L754xW100xH225	6.00	EA
57.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	2.00	EA
58.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
59.00	MW 0183610	彈簧墊圈	M6	2.00	EA
66.01	GX 000378001E	DOOR, GUARD FRONT LEFT	L1050xW1787xH653	1.00	EA
67.01	GX 000378000E	DOOR, GUARD FRONT RIGHT	L1025xW1487xH653	1.00	EA
71.00	MS 0103617	六角穴圓頭螺絲	M6xP1.0xL16	28.00	EA
72.00	MW 0183610	彈簧墊圈	M6	28.00	EA
73.00	NV 000599084A	STOPER, DOOR	L71xW40xH45	2.00	EA
74.00	MS 0103516	六角穴圓頭螺絲	M5xP0.8xL12	4.00	EA
75.00	MW 0183510	彈簧墊圈	M5	4.00	EA
76.00	MW 0103510	平墊圈	M5	4.00	EA
77.00	NV 001033102A	PLUG, SPLASH GUARD	D30.5xL9.5	2.00	EA
78.00	GX 000022104E	DOOR GUIDE, UPPER	L848xW49xH46.6	2.00	EA
79.03	GXA000022107E	GUARD, LEFT END	L1703xW1194xH1842	1.00	EA
80.00	GX 000022100E	ROD, FRONT DOOR GUIDE	D1"xL1807.5	2.00	EA
87.01	GX 000199057D	SEAT, DOOR SWITCH	L50xW25xH20	1.00	EA
88.01	GX 000022108D	MIDDLE GUARD	L1593xW52xH330	1.00	EA
90.02	GXA000022106E	GUARD, RIGHT END	L1703xW1194xH1842	1.00	EA
91.00	MS 0103617	六角穴圓頭螺絲	M6xP1.0xL16	10.00	EA
92.00	MW 0103610	彈簧墊圈	M6(d6*D19*H2)	10.00	EA
93.00	MW 0183610	彈簧墊圈	M6	10.00	EA
94.00	GX 000199060D	COVER	L130xW55xH55	1.00	EA
95.00	MS 0103514	六角穴圓頭螺絲	M5xP0.8xL8	4.00	EA
96.00	MW 0183510	彈簧墊圈	M5	4.00	EA
97.02	GX 000199069D	BOX(PNEUMATIC PARTS)	L880xW400xH152.3	1.00	EA

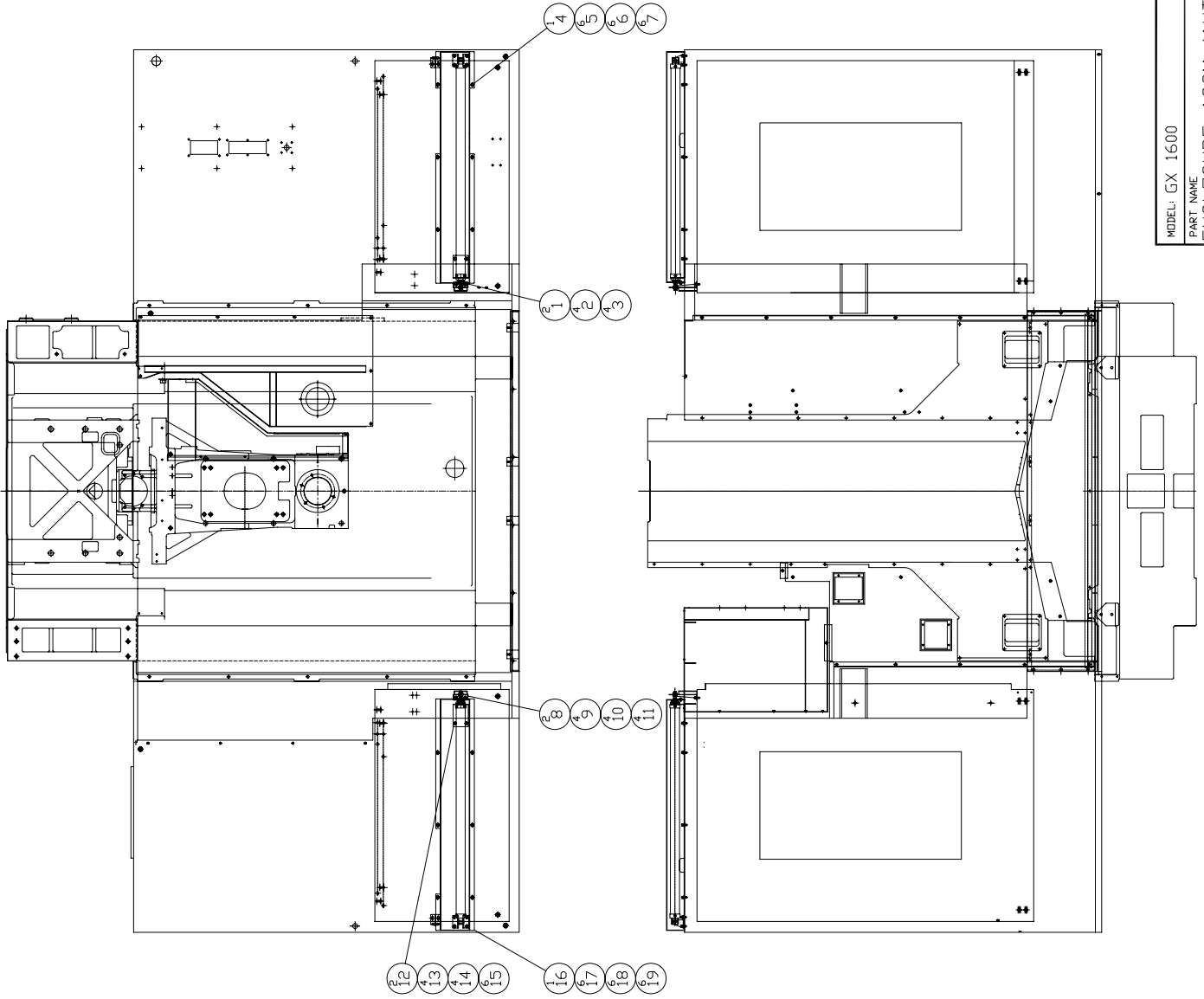
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
98.00 GX 000199075D	ROTARY DOOR	旋轉門	L743xW265xH19	1.00	EA
99.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
100.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
103.03 GXA000199056D	SIDE COVER,COLUMN	立柱側蓋	L1232xW336xH111.3	1.00	EA
104.00 GX 000199063D	ROTARY DOOR	旋轉門	L834xW228xH19	1.00	EA
105.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
106.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
107.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
108.00 GX 000022112D	TOP COVER	上護蓋	L973.5xW488.7xH14.3	1.00	EA
109.00 MW 0183510	SPRING WASHER	彈簧墊圈	M5	7.00	EA
110.00 MW 0103510	FLAT WASHER	平墊圈	M5	7.00	EA
111.00 MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	7.00	EA
117.00 MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	16.00	EA
118.00 MW 0103510	FLAT WASHER	平墊圈	M5	16.00	EA
119.00 MW 0183510	SPRING WASHER	彈簧墊圈	M5	16.00	EA
120.00 MS 0103416	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL12	2.00	EA
121.00 MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
122.00 MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
123.00 MN 0113410	HEXAGON NUT	六角螺帽	M4xP0.7	2.00	EA
124.01 GXA001010900D	NOZZLE	切削水接頭	L1450xD27.2	2.00	EA
125.00 NV 00002137D	BRACKET	固定塊	L55xW38xH5	4.00	EA
126.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
127.00 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
128.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
129.00 GX 000299090D	SUPPORTER, REAR COVER	背側板金支撐架	L509W344H70	1.00	EA
130.00 MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	2.00	EA
131.00 MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
132.01 GX 000299091D	REAR COVER(2)	背側蓋板(2)	L557.3xW486.5xH500	1.00	EA
133.03 GX A000299092D	REAR COVER(1)	背側蓋板(1)	L1320xW936xH557.3	1.00	EA
134.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	12.00	EA
135.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	12.00	EA
137.00 GX 000399006D	COVER(REAR COVER)	蓋板(背側蓋板)	L998xW598xH2.3	1.00	ST
138.00 GX 00103590101	LATCH, COPPER, TWIN BALL	銅雙珠門擋	允際TK-60	1.00	ST
139.00 GX 000299005D	PLATE	護板	L1623xW89.8xT2.3	1.00	ST
140.01 GX 000299006D	PLATE	護板	L753xW213.2xH80	2.00	ST
141.01 GX 000299007D	PLATE	護板	L763xW276.7xH25.8	2.00	ST
142.00 GX 000299001E	PLATE	護板	L1153.5xW762xT1.2	1.00	ST
143.00 GX 000299002E	PLATE	護板	L1153.5xW926.4xT1.2	1.00	ST
144.00 GX 000299003E	PLATE	護板	L1153.5xW762xT1.2	1.00	ST
145.00 GX 000299004E	PLATE	護板	L1153.5xW926.4xT1.2	1.00	ST
146.01 NVA000899025A	PLATE, FRONT DOOR	前門護板	L53xW32xH32	4.00	EA
148.00 GX 000399090D	COVER, RIGHT	蓋板, 右 (右側無除屑機時)	L314xW206xH37.3	1.00	ST
149.00 GX 000399091D	COVER, LEFT	蓋板, 左 (左側無除屑機時)	L	1.00	ST

REV	DESCRIPTION	DATE	ECN
A	新編	2007/7/17	634



MODEL: GX 1600

PART NAME ENCLOSURE ASSM (AUTO DOOR)

PART NUMBER GX 001045315E

夕外型板金<カド装自働力門>

DATE 2007/7/17

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REV. A

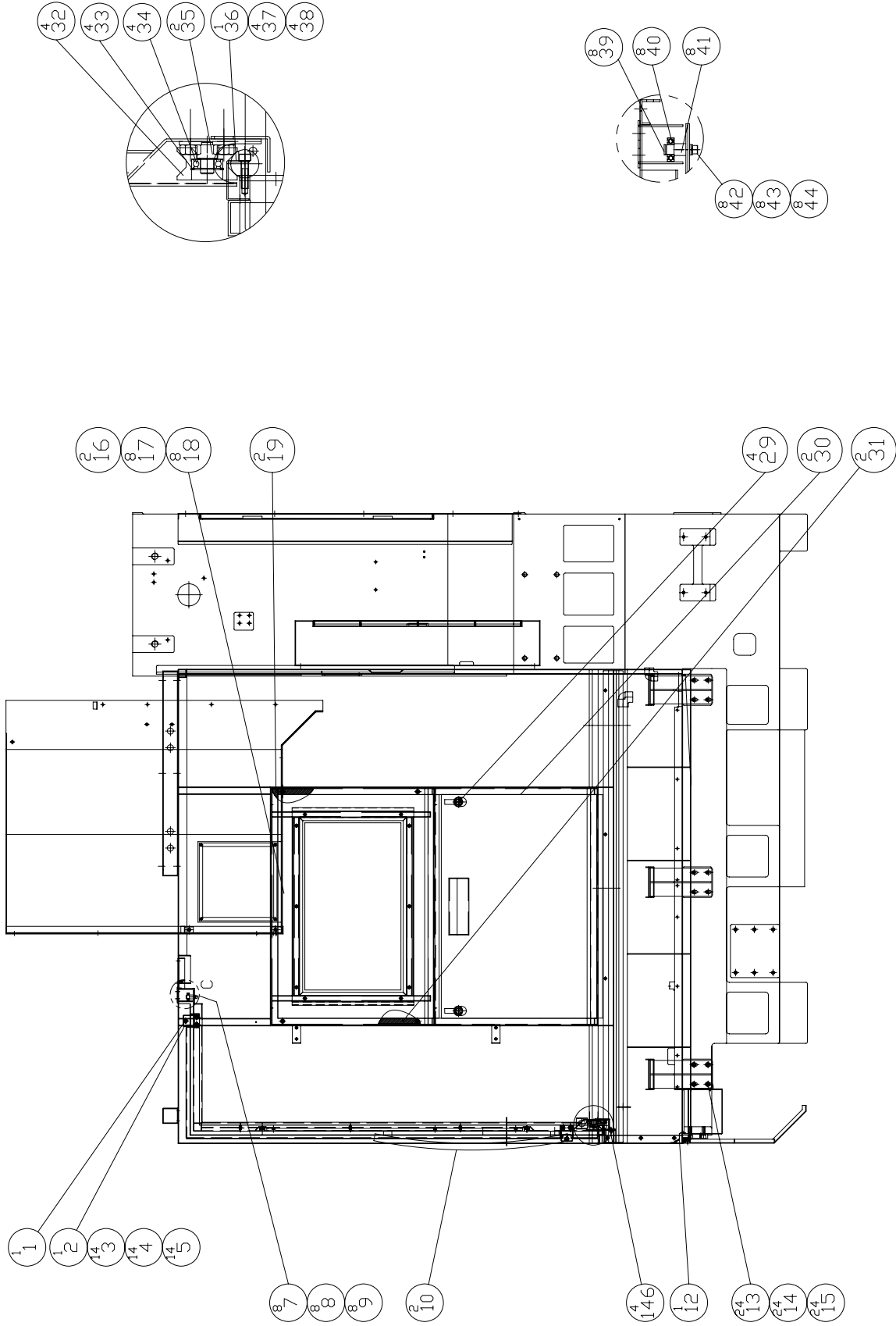
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 001045315E

Description: ENCLOSURE-W/AUTO DOOR
外型板金-前門自動門

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000399041D	COVER,CYLINDER	蓋板	L56xW38xt2.3	2.00	ST
2.00	MS 0103514	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL8	4.00	EA
3.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
4.00	GX 000399042E	COVER,RIGHT CYLINDER	護蓋,氣壓缸(右)	L981xW170xH80	1.00	ST
5.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
6.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
7.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA
8.00	GX 001066157D	BRACKET,CYLINDER	氣壓缸托架	L113xW65xH40	2.00	ST
9.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
10.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
11.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
12.00	GX 001066158D	BRACKET,CYLINDER	氣壓缸托架	L100xW65xH56.4	2.00	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	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	4.00	EA
16.00	GX 000399043E	COVER,LEFT CYLINDER	護蓋,氣壓缸(左)	L981xW170xH80	1.00	ST
17.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	6.00	EA
18.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	6.00	EA
19.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	6.00	EA

REV	DESCRIPTION	DATE	ECN
A	新形機	2007/8/9	641
B	機種47機GX 001010901D	2007/8/2	671
C	12機機種 001010901D-GA00010900	2007/8/29	762



MODEL: GX1600#50

PART NAME
ENCLOSURE ASSM.
夕十基机板金

PART NUMBER
GX 001045313G

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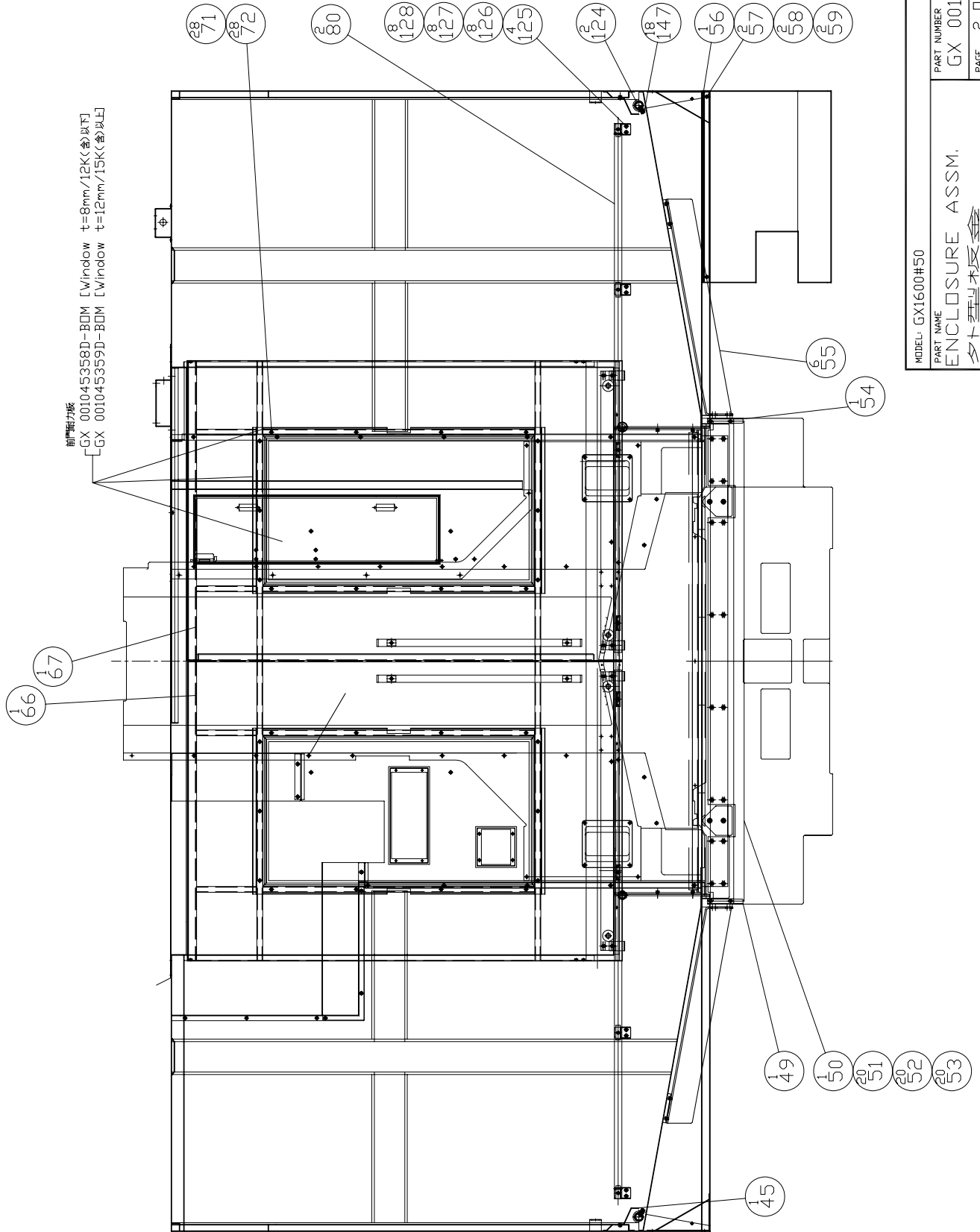
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DATE 2007/8/9
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REV	DESCRIPTION	DATE	ECN
A	新形発注	2007/8/9	6-4-1
B	新機材 GX 001045358D	2007/8/2	671
C	124機材 001045359D-GA0000900	2007/8/29	762
D	124機材 001045359D-GA0000900	2007/11/7	8-4-2

前扉開力板
 GX 001045358D-BOM L/window t=8mm/12K(金以下)
 GX 001045359D-BOM L/window t=12mm/15K(金以上)



MODEL: GX1600#50

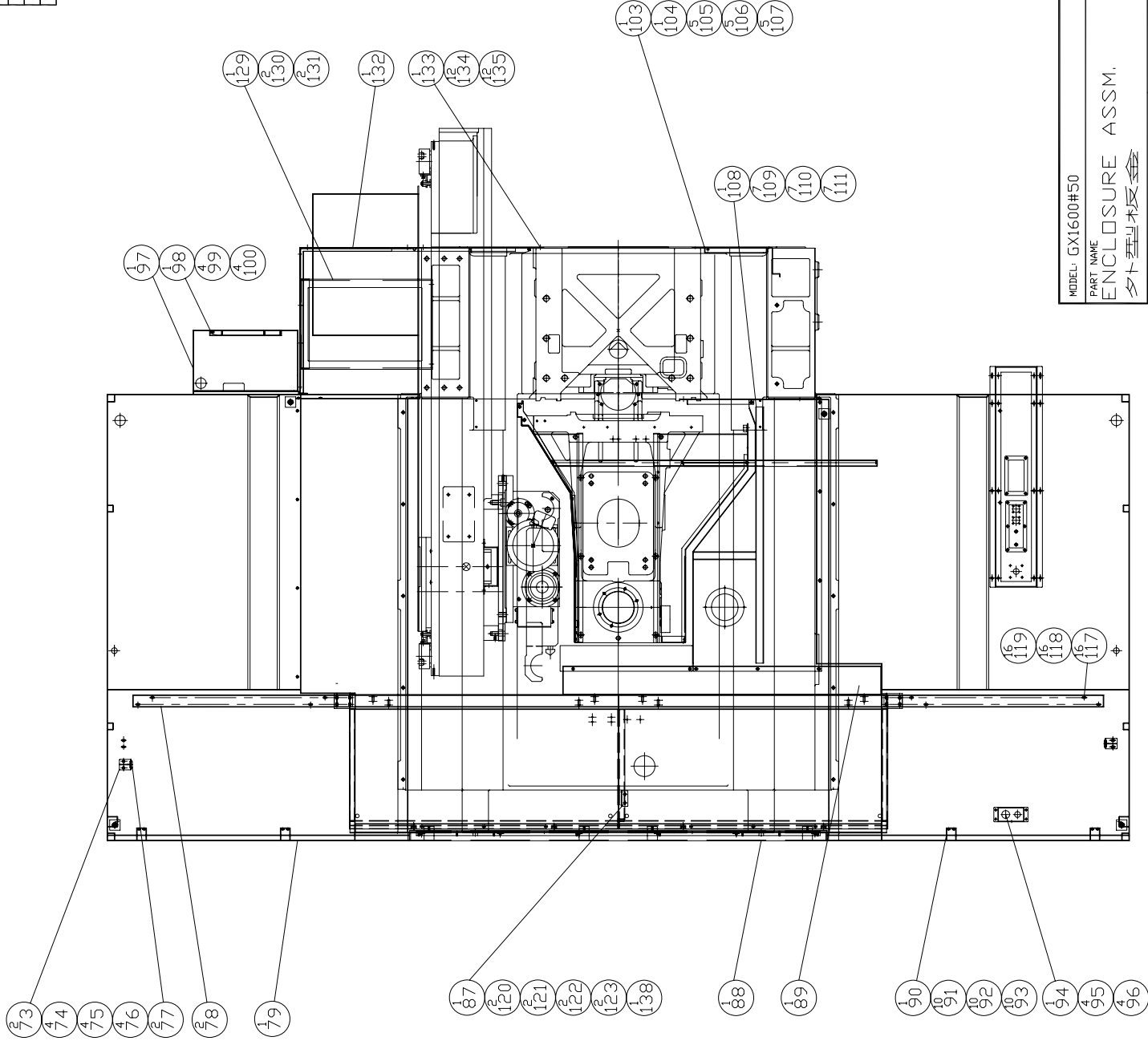
PART NAME
 ENCLOSURE ASSM.
 多ヶ所開力板

PART NUMBER
 GX 001045313G

DATE 2007/8/9 SCALE 1:20

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REV	DESCRIPTION	DATE	ECN
A	新形発注	2007/09/16	6-4-1
B	新機47機GX 001010901D	2007/02/27	671
C	124機X 001010900-GA0010900D	2007/08/29	762
D	79機 002010-GAM02010-XMA 002010-GAM02010	2007/11/17	8-4-2



MODEL: GX1600#50	PART NUMBER: GX 001045313G
PART NAME: ENCLOSURE ASSM.	PAGE: 3 OF 3
夕十 株式会社	REV. D
DATE: 2007/8/9	SCALE: 1:24
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PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 001045313G

Description: ENCLOSURE ASSM
外型板金

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000022101F	PLATE,RIGHT SPLASH GUARD	右擋水板(#50-30T)	L1477XW447XH57.5	1.00	EA
2.00	GX 000022102F	PLATE,LEFT SPLASH GUARD	左擋水板(#50-30T)	L1477XW587XH57.5	1.00	EA
3.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	14.00	EA
4.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	14.00	EA
5.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	14.00	EA
7.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
8.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
9.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
10.00	NV 00103590107	SST HANDLE, ARC TYPE	不鏽鋼弧形把手(P=600)	不鏽鋼弧形把手(P=600)	2.00	EA
12.00	GX 000199078D	PLATE,MIDDLE GUARD	中外型板金擋板	L1579xW39.1xH34	1.00	EA
13.00	MS 0104019	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M10xP1.5xL25	24.00	EA
14.00	MW 0184010	SPRING WASHER	彈簧墊圈	M10	24.00	EA
15.00	MW 0104010	FLAT WASHER	平墊圈	M10	24.00	EA
16.00	NV 000022225A	SIDE DOOR, UPPER	側門(上)	L850xW602xH24.3	2.00	EA
17.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
18.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
19.00	NV 00106420103	RUBBER SEAL, SIDE DOOR	發泡橡膠	W20x3T	2.00	MT
29.00	NV 00103590106	COMPRESSION EXTENSIBLE LATCH	迫緊式伸縮門鎖	[TAI-SAN]允際 MS816-1	4.00	ST
30.00	NV 000022226A	SIDE DOOR, LOWER	側門(下)	L850xW602xH24.3	2.00	EA
31.00	NV 00106420101	RUBBER SEAL, SIDE DOOR	發泡橡膠	W20x2T	2.00	MT

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
32.00 NV 000942400A	ROLLER, DOOR	滑輪	D54xL29	4.00	EA
33.00 NV 00082310101	RING, C-RETAINING	C型內扣	R-28	4.00	EA
34.00 NV 00002660104	BALL BEARING	單列深槽滾珠軸承	6001ZZ	4.00	EA
35.00 NV 000378000E	SEAT, DOOR ROLLER	輪座板	L952xW50xH28.3	2.00	EA
36.00 GX 000022103E	FRONT PLATE,ENCLOURE	前護板	L2004xW35.4xH20	1.00	EA
37.00 MS 0103314	SOCKET HD. CAP SCREW	六角穴圓頭螺絲	M3xP0.5xL8	4.00	EA
38.00 MW 0183310	SPRING WASHER	彈簧墊圈	M3	4.00	EA
39.00 NV 00082310201	RING, C-RETAINING	C型外扣	S-12	8.00	EA
40.00 NV 00002660104	BALL BEARING	單列深槽滾珠軸承	6001ZZ	8.00	EA
41.00 NV 000403801A	SHAFT, DOOR ROLLER	輪軸	D14.3xL23.5	8.00	EA
42.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
43.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
44.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
45.00 GX 000199053D	COVER	蓋	L1693xW56.6xH141.5	2.00	EA
49.00 GX 000199059D	SIDE COVER,BASE(LEFT)	底座側蓋(左)	L161.2xW116.5xH17	1.00	EA
50.00 GX 000199055D	PLATE,Y-AXIS FRONT	Y前擋屑板	L1625xW129.6xH2.3	1.00	EA
51.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	20.00	EA
52.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	20.00	EA
53.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	20.00	EA
54.00 GX 000199058D	SIDE COVER,BASE(RIGHT)	底座側蓋(右)	L161.2xW120.6xH17	1.00	EA
55.00 GX 000199052E	SUPPORT, GUARD	外型板金支撐架	L754xW100xH225	6.00	EA
56.00 GX 000299087E	FRONT PLATE, ENCLOURE	前護板	L656xW135.8xH440.7	1.00	EA
57.00 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
58.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	2.00	EA
59.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	2.00	EA
66.00	GX 000378001G	DOOR, GUARD FRONT LEFT	左活動門(GX1600#50-30T)	L1050xW1487xH513	1.00	EA
67.00	GX 000378000G	DOOR, GUARD FRONT RIGHT	右活動門(GX1600#50-30T)	L1025xW1487xH513	1.00	EA
71.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	28.00	EA
72.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	28.00	EA
73.00	NV 000599084A	STOPER, DOOR	止動塊	L71xW40xH45	2.00	EA
74.00	MS 0103516	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL12	4.00	EA
75.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
76.00	MW 0103510	FLAT WASHER	平墊圈	M5	4.00	EA
77.00	NV 001033102A	PLUG, SPLASH GUARD	孔塞	D30.5xL9.5	2.00	EA
78.00	GX 000022104E	DOOR GUIDE, UPPER	上滑道	L848xW49xH46.6	2.00	EA
79.02	GXA000022107G	GUARD, LEFT END	左外型板金(GX1600#50-30T)	L1703xW1194xH1842	1.00	EA
80.00	GX 000022100E	ROD, FRONT DOOR GUIDE	前門滑道	D1"xL1807.5	2.00	EA
87.00	GX 000199057D	SEAT, DOOR SWITCH	開關座	L50xW25xH20	1.00	EA
88.01	GX 000022108D	MIDDLE GUARD	中外型板金	L1593xW52xH330	1.00	EA
89.00	GX 000022105G	DOOR GUIDE, UPPER	上滑道(GX1600#50-30T)	L2166xW53.6xH161.6	1.00	EA
90.01	GX 000022106G	GUARD, RIGHT END	右外型板金(GX1600#50-30T)	L1703xW1194xH1842	1.00	EA
90.02	GXA000022106G	GUARD, RIGHT END	右外型板金(GX1600#50-30T)	L1703xW1194xH1842	1.00	EA
91.00	MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	10.00	EA
92.00	MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	10.00	EA
93.00	MW 0183610	SPRING WASHER	彈簧墊圈	M6	10.00	EA
94.00	GX 000199060D	COVER	護蓋	L130xW55xH55	1.00	EA

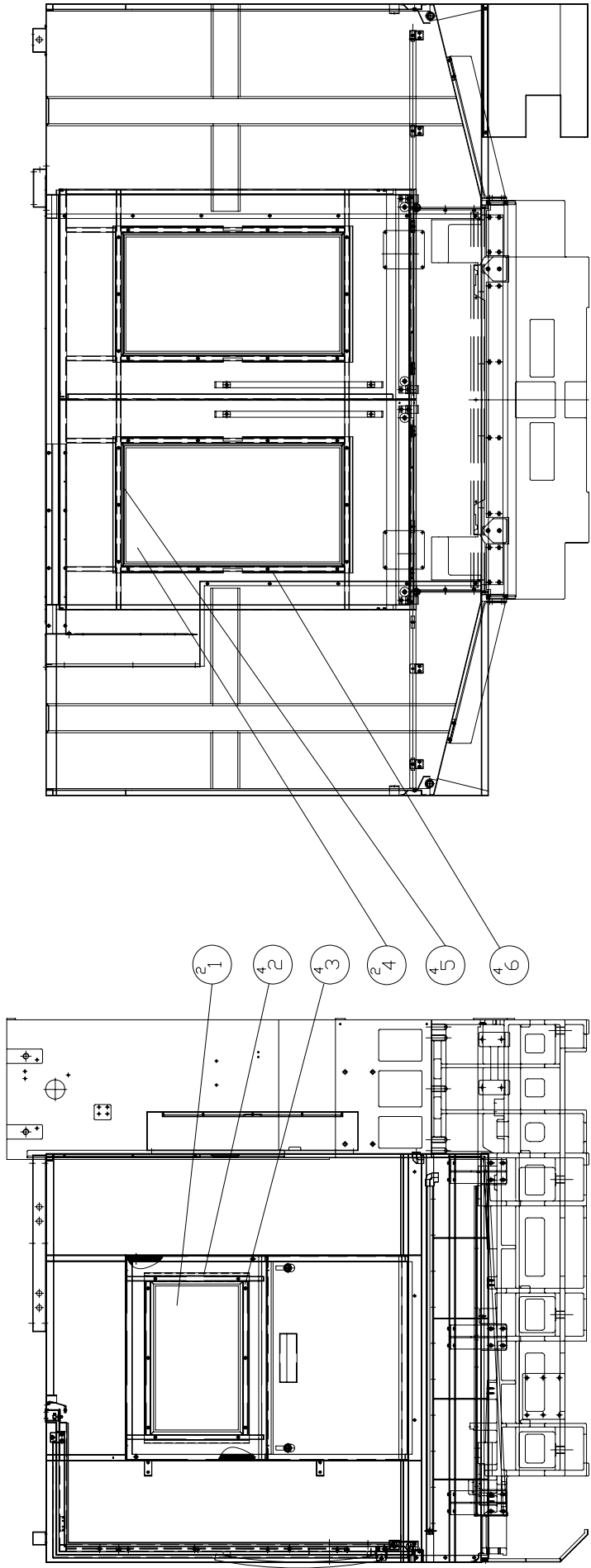
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
95.00 MS 0103514	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL8	4.00	EA
96.00 MW 0183510	SPRING WASHER	彈簧墊圈	M5	4.00	EA
97.01 GX 000199069D	BOX(PNEUMATIC PARTS)	箱(氣壓組件)	L880xW400xH152.3	1.00	EA
98.00 GX 000199075D	ROTARY DOOR	旋轉門	L743xW265xH19	1.00	EA
99.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	4.00	EA
100.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	4.00	EA
103.01 GX A000199056D	SIDE COVER,COLUMN	立柱側蓋	L1232xW336xH111.3	1.00	EA
104.00 GX 000199063D	ROTARY DOOR	旋轉門	L834xW228xH19	1.00	EA
105.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	5.00	EA
106.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	5.00	EA
107.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	5.00	EA
108.00 GX 00022112D	TOP COVER	上護蓋	L973.5xW488.7xH14.3	1.00	EA
109.00 MW 0183510	SPRING WASHER	彈簧墊圈	M5	7.00	EA
110.00 MW 0103510	FLAT WASHER	平墊圈	M5	7.00	EA
111.00 MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	7.00	EA
117.00 MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	16.00	EA
118.00 MW 0103510	FLAT WASHER	平墊圈	M5	16.00	EA
119.00 MW 0183510	SPRING WASHER	彈簧墊圈	M5	16.00	EA
120.00 MS 0103416	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M4xP0.7xL12	2.00	EA
121.00 MW 0103410	FLAT WASHER	平墊圈	M4x10Dx1T	2.00	EA
122.00 MW 0183410	SPRING WASHER	彈簧墊圈	M4	2.00	EA
123.00 MN 0113410	HEXAGON NUT	六角螺帽	M4xP0.7	2.00	EA
124.01 GX A001010900D	NOZZLE	切削水接頭	L1450xD27.2	2.00	EA

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Item Part NO.	Description	中文名稱	Specification	Qty	Unit
125.00 NV 000022137D	BRACKET	固定塊	L55xW38xH5	4.00	EA
126.00 MW 0103610	FLAT WASHER	平墊圈	M6(d6*D19*H2)	8.00	EA
127.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	8.00	EA
128.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	8.00	EA
129.00 GX 000299090D	SUPPORTER, REAR COVER	背側板金支撐架	L509W344H70	1.00	EA
130.00 MS 0103820	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL30	2.00	EA
131.00 MW 0183810	SPRING WASHER	彈簧墊圈	M8	2.00	EA
132.00 GX 000299091D	REAR COVER(2)	背側蓋板(2)	L557.3xW486.5xH500	1.00	EA
133.01 GX 000399054F	SIDE COVER,COLUMN	背側蓋板	L795xW931xH557.3	1.00	EA
134.00 MS 0103617	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M6xP1.0xL16	12.00	EA
135.00 MW 0183610	SPRING WASHER	彈簧墊圈	M6	12.00	EA
138.00 GX 00103590101	LATCH, COPPER, TWIN BALL	銅雙珠門擋	允隙TK-60	1.00	EA
146.00 NVA000899025A	PLATE, FRONT DOOR	前門護板	L53xW32xH32	4.00	EA
147.00 GX 001010901D	NOZZLE, COOLANT	切削水噴嘴	PT1/2"xD13.5xL25.5	18.00	EA

REV	DESCRIPTION	DATE	ECN
A	表示変更	2007/7/26	664



- ①
- ②
- ③
- ④
- ⑤
- ⑥

MODEL: GX1300/1600#40/#50	
PART NAME	PART NUMBER
ENCLOSURE ASSM-WINDOW T=8mm 外型板金-耐力板T=8mm/12K(含)以下	GX 001045358D
DATE 2007/8/14	SCALE 1:27
DESIGNER	REV. A
DRAWN	PAGE 1 OF 1

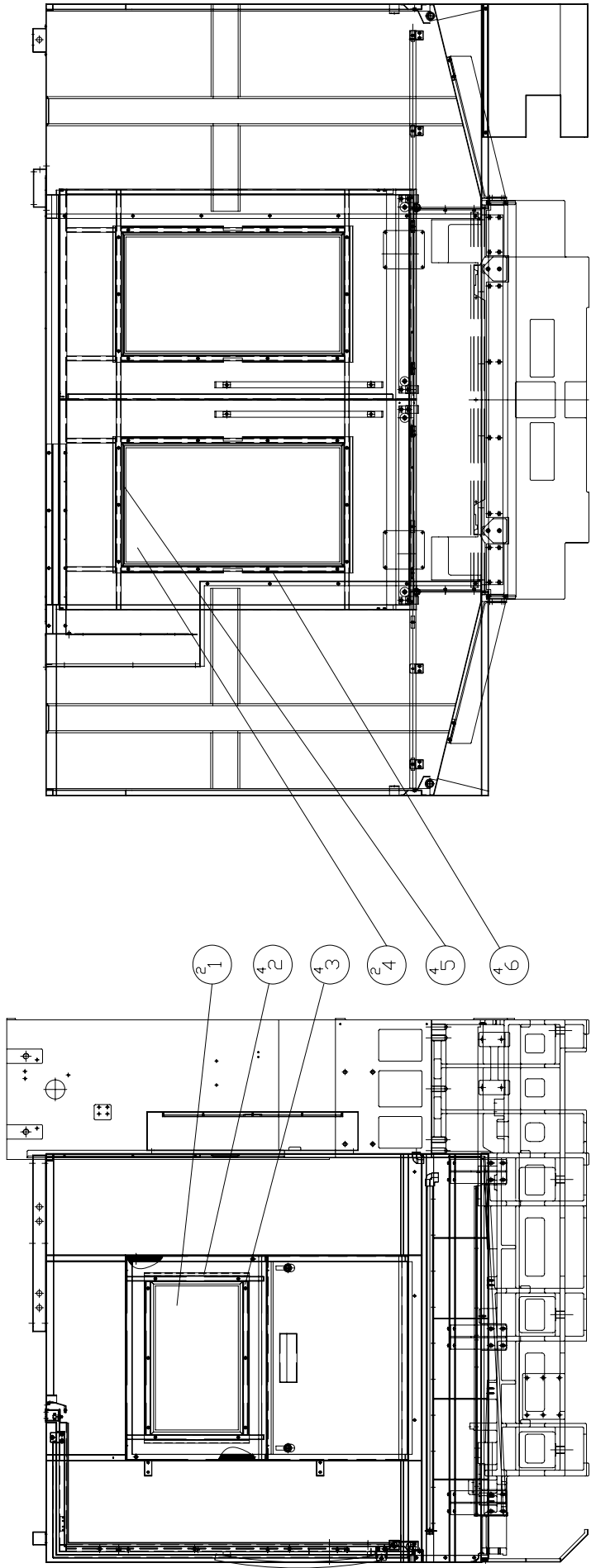
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 001045358D

Description: ENCLOSURE ASSM-WINDOW T=8mm
外型板金-耐力板T=8mm/12K(含)以下

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 001044921A	WINDOW,DOOR	耐力板 (厚度8)	L628xW373xH8	2.00	EA
2.00	NV 000799098A	DEPRESSOR, WINDOW	窗戶壓板(耐力板厚度8用)	L437xWxH	2.00	EA
3.00	NV 000799097A	DEPRESSOR, WINDOW	窗戶壓板(耐力板厚度8用)	L638xWxH	2.00	EA
4.00	GX 001044000D	WINDOW,DOOR	耐力板	L918xW8xH503	2.00	EA
5.00	GX 000299088D	DEPRESSOR, WINDOW	窗戶壓板	L567xW13.3xH46.6	2.00	EA
6.00	NV 000799099A	DEPRESSOR, WINDOW	窗戶壓板(耐力板厚度8用)	L928xWxH	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	耐久検査	2007/7/31	664



- ①
- ②
- ③
- ④
- ⑤
- ⑥

MODEL: GX1300/1600#40/#50	
PART NAME	PART NUMBER
ENCLOSURE ASSM-WINDOW T=12mm	GX 001045359D
外型板金- 耐力板 T=12mm / 15K(含)以上	PAGE 1 OF 1
DATE 2007/8/14	REV. A
SCALE 1:27	

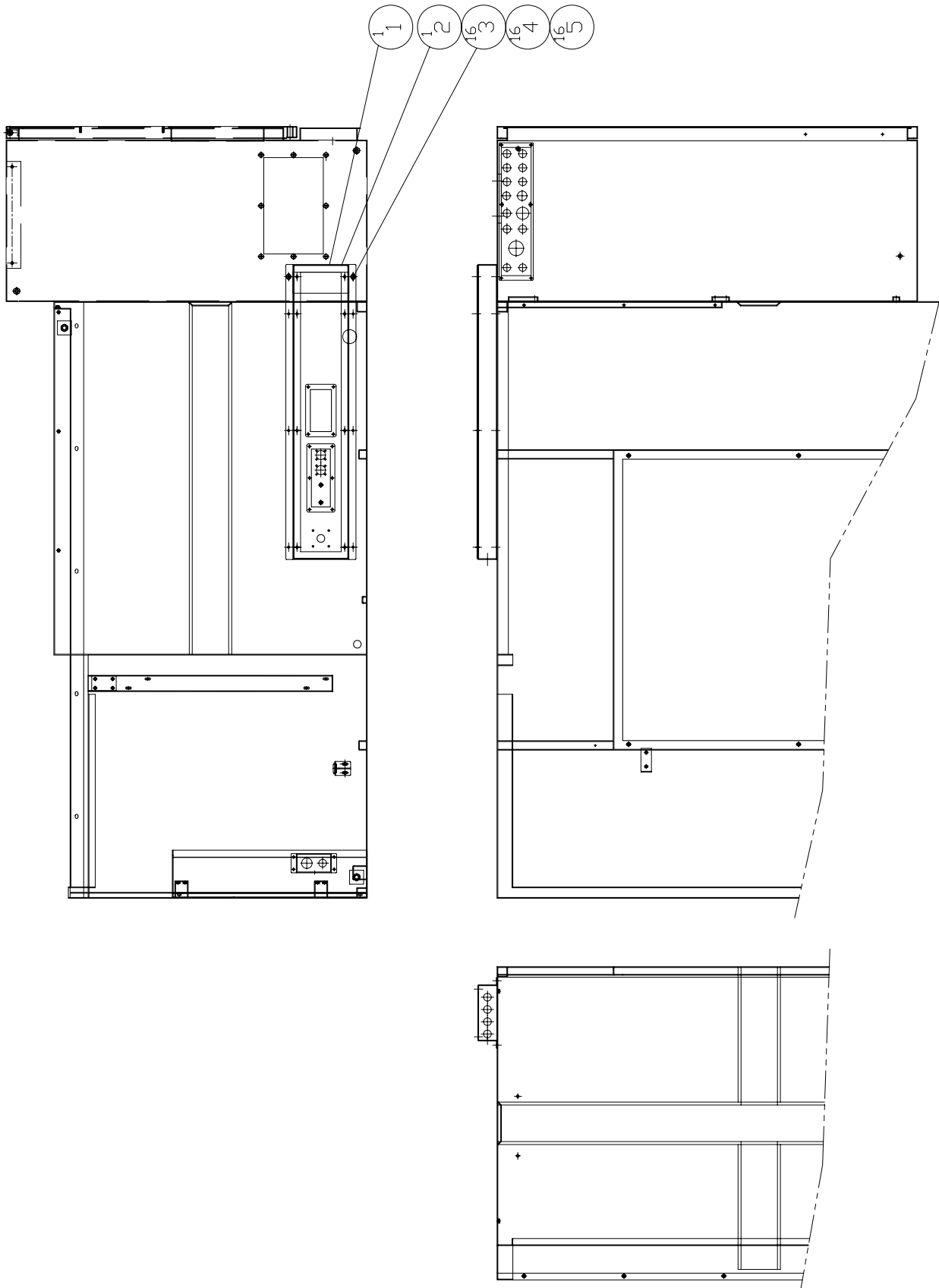
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 001045359D

Description: ENCLOSURE ASSM-WINDOW T=12mm
外型板金-耐力板T=12mm/15K(含)以上

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	NV 001044922A	WINDOW,DOOR	耐力板 (厚度12)	L628xW373xH12	2.00	EA
2.00	NV 000899002A	DEPRESSOR, WINDOW	窗戶壓板(耐力板厚度12用)	L642xWxH	2.00	EA
3.00	NV 000899001A	DEPRESSOR, WINDOW	窗戶壓板(耐力板厚度12用)	L642xWxH	2.00	EA
4.00	GX 001044901D	WINDOW, DOOR(T12)	耐力板(T12)	L918xW503xH12	2.00	EA
5.00	GX 000399030D	DEPRESSOR, WINDOW	窗戶壓板	L567xW51.2xH17.3	2.00	EA
6.00	NV 000899003A	DEPRESSOR, WINDOW	窗戶壓板(耐力板厚度12用)	L928xWxH	2.00	EA

REV	DESCRIPTION	DATE	ECN
A	新形繪	2007/11/26	867



MODEL: GX1300#40/#50 GX1600#40/#50	
PART NAME	PART NUMBER
ENCLOSURE ASSM.-ELECTRIC WIRE SHIELD	GX 001045316D
外装基板金一電線系水書音響蓋	PAGE 1 OF 1
DATE 2007/11/26	REV. A
SCALE 1:17	

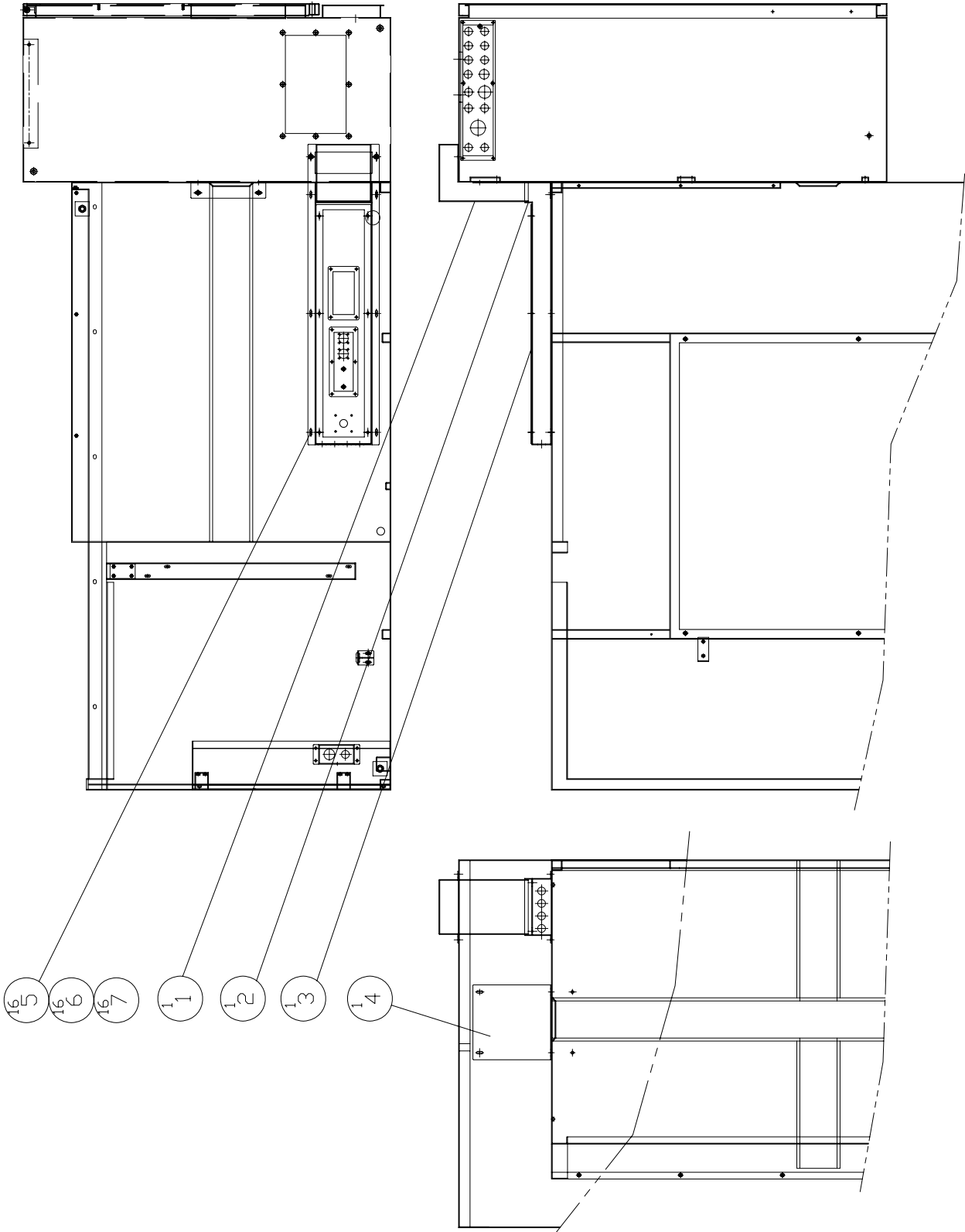
PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 001045316D

Description: ENCLOSURE ASSM.
外型板金-電線槽護蓋

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000199068D	WIRE BOX	電線盒	L736xW200xH55	1.00	EA
2.00	GX 000199039D	COVER,WIRE BOX	電線盒蓋	L730xW154xt2.3	1.00	EA
3.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	16.00	EA
4.00	MW 0103510	FLAT WASHER	平墊圈	M5	16.00	EA
5.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	16.00	EA

REV	DESCRIPTION	DATE	ECN
A	新修圖	2007/11/26	867



MODEL: GX1300#40/#50 GX1600#40/#50	SCALE: 1:17	REV: A
PART NAME ENCLOSURE ASSM.-ELECTRIC WIRE SHIELD 外型板金-電線槽護蓋(立柱加高260mm)	PART NUMBER GX 001045317D	PAGE 1 OF 1
DATE: 2007/11/26	SYMBOL	

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 001045317D

Description: ENCLOSURE ASSM.

外型板金-電線槽護蓋(立柱加高260mm)

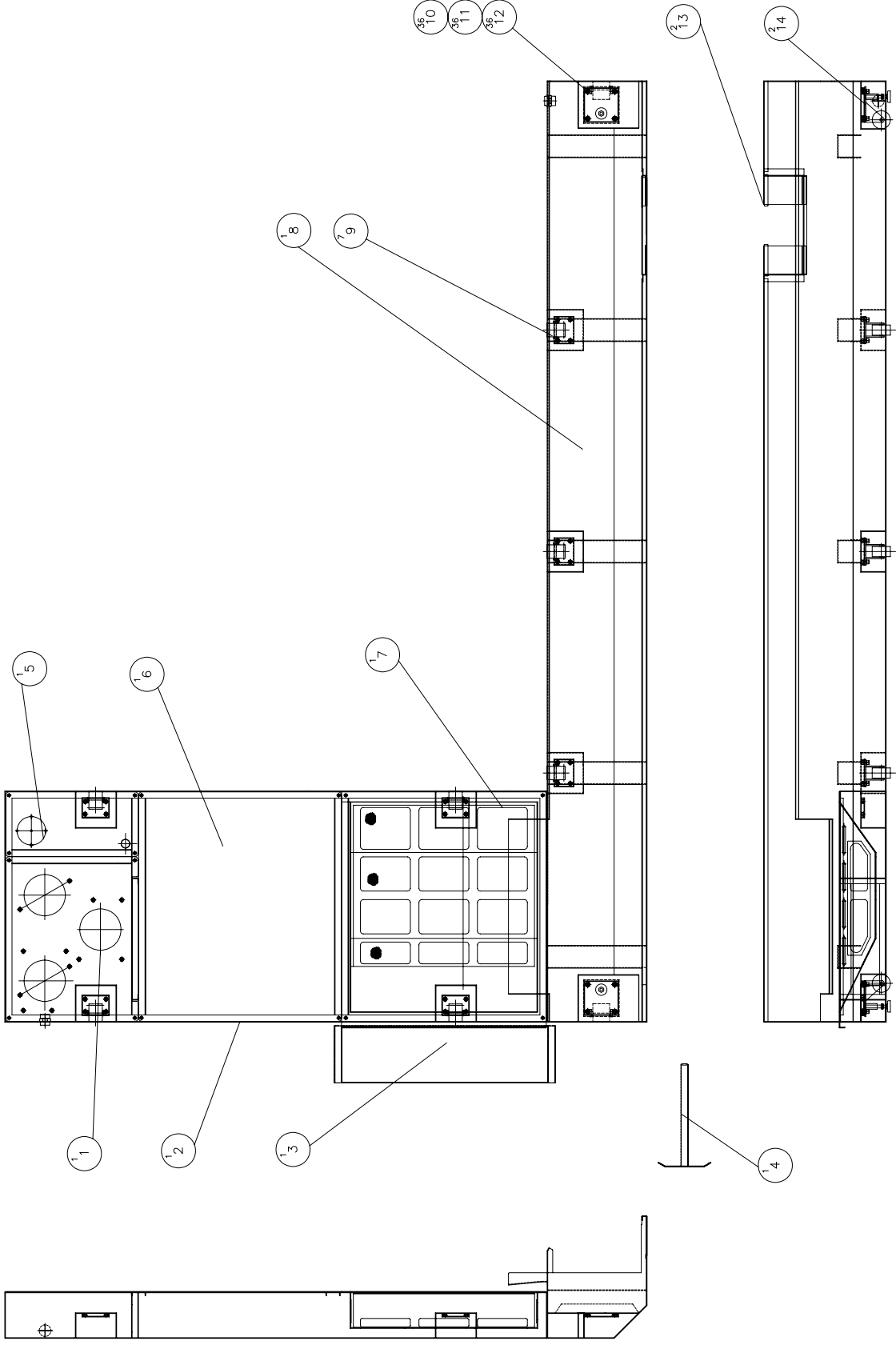
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000399084D	WIRE BOX, POWER CASE(+260mm)	電線盒(立柱加高260mm)	L161xW200xH250	1.00	EA
2.00	GX 000399083D	WIRE BOX, ENCLOSURE(+260mm)	電線盒(立柱加高260mm)	L736xW200xH75	1.00	EA
3.00	GX 000399085D	COVER, WIRE BOX(+260mm)	電線盒蓋(立柱加高260mm)	L674.5xW154xH2.3	1.00	EA
4.00	GX 000399087D	BRACKET(ADDITIONAL 260mm)	固定架(立柱加高260mm)	L210xW165xH260	1.00	EA
5.00	MW 0183510	SPRING WASHER	彈簧墊圈	M5	16.00	EA
6.00	MW 0103510	FLAT WASHER	平墊圈	M5	16.00	EA
7.00	MS 0103515	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M5xP0.8xL10	16.00	EA

Chapter 9

切削水箱

Coolant Tank

REV.	DESCRIPTION	DATE	ENCL.
A	新仕様	2007/11/7	B-4-2



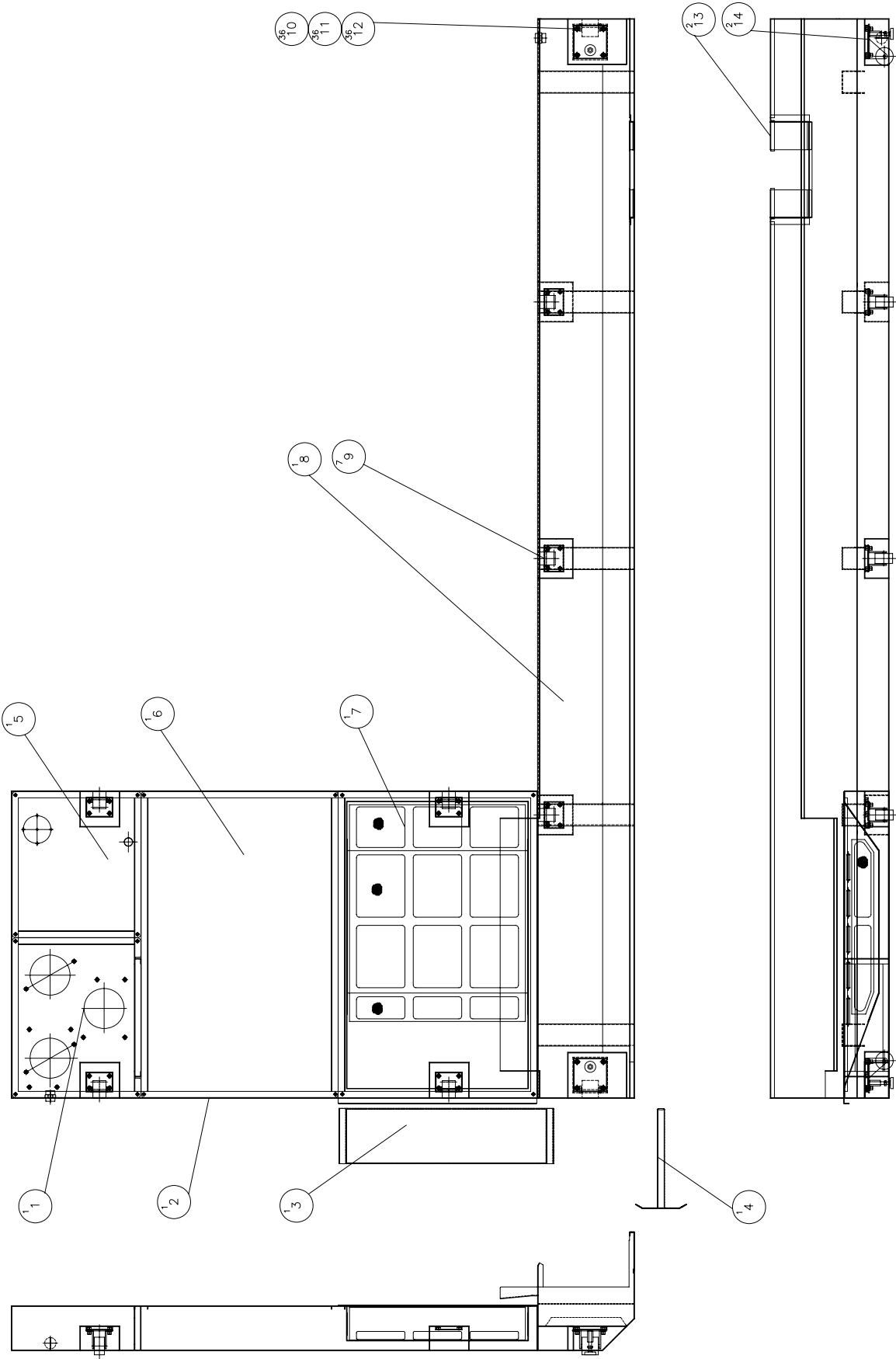
水箱容量: 180L+234L=414L

MODEL: GX 1300#40/#50	PART NUMBER: GXA000331501D
PART NAME: COOLANT TANK	PAGE 1 OF 1
DATE: 2007/2/13	SCALE: 1:20
DRAWN: PHIL	REV: A

PRODUCT BOM MASTER AND SUB-ITEMS LIST
*****Master Item Part NO.: GXA000331501D
Description: COOLANT TANK
切削水箱

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000399089D	MOTOR, FIXED COVER	馬達固定蓋板	L:576.5W:4647	1.00	EA
2.00	GX 000399088D	FIXED COVER, COOLANT TANK	固定蓋板	L804W681.3	1.00	EA
3.00	GXA000299018D	SCREEN, CHIP BUCKET	集屑盒	L:775w:200H:165	1.00	EA
4.00	GX 000299019D	CHIP, SHOVEL	切屑扒	L350xW165xH95	1.00	EA
5.00	GX 000399073D	FIXED COVER	固定蓋板	L:464.7W:226.5	1.00	EA
6.00	GXA000199094D	COOLANT TANK BODY	切削水箱本體	L1900W810H162	1.00	EA
7.00	GXC000299008D	SCREEN, CHIP BUCKET	集屑盒	L:827W:716H:129.3	1.00	EA
8.00	GXB000199093D	COOLANT TANK BODY	切削水箱本體	L3290W810H428	1.00	EA
9.00	NV 00115570101	SWIVEL	活動輪	2(1/2")(MT02PA)	7.00	EA
10.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	36.00	EA
11.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	36.00	EA
12.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	36.00	EA
13.00	GX 000199096D	FRONT PLATE, COOLANT TANK	前護板	L:130W:110H18	2.00	EA
14.00	NV 00115570105	SWIVEL, ADJUSTABLE	美國活動尼龍輪附支撐腳座(可調整高度)	2-1/2"*2-四角(得勝)	2.00	EA

REV.	DESCRIPTION	DATE	ENCL.
A	新仕様	2007/11/7	B-4-2



水箱容量: 215L+323L=538L

MODEL: GX 1600#40/#50	PART NUMBER: GXA000331501E
PART NAME: COOLANT TANK	PAGE 1 OF 1
DATE: 2007/2/13	REV. A
DRAWN: DARREN PHIL	SCALE: 1:20

PRODUCT BOM MASTER AND SUB-ITEMS LIST
*****Master Item Part NO.: GXA000331501E
Description: COOLANT TANK
切削水箱

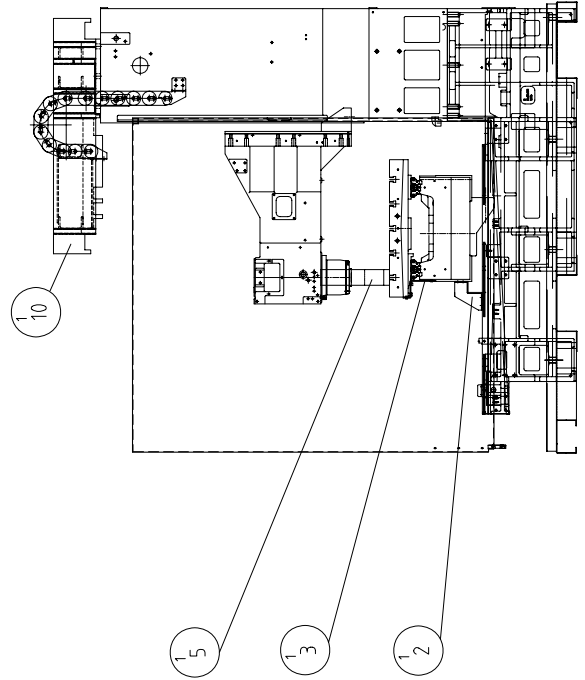
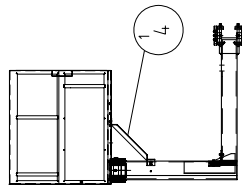
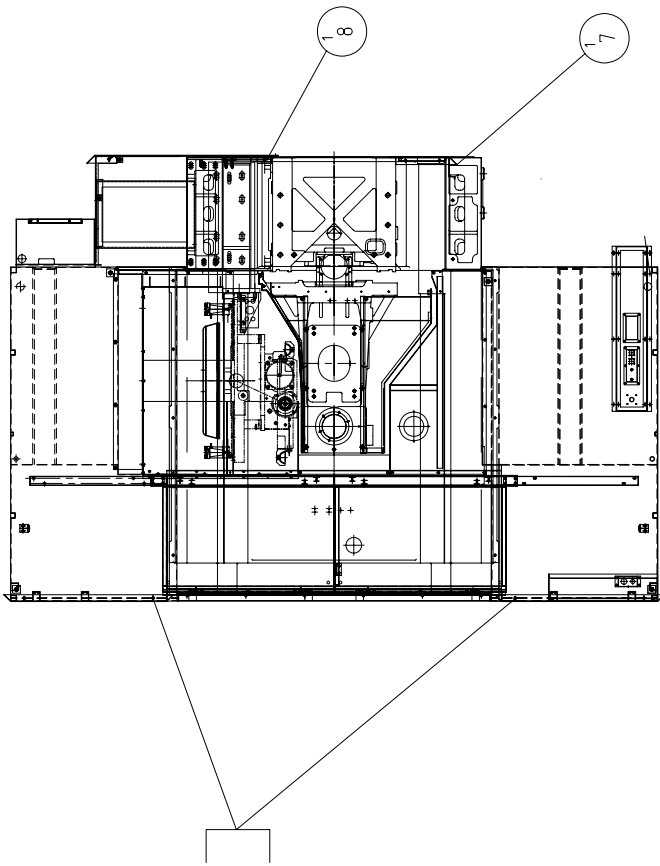
Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
1.00	GX 000399089D	MOTOR, FIXED COVER	馬達固定蓋板	L:576.5W:464.7	1.00	EA
2.00	GX 000399088E	FIXED COVER, COOLANT TANK	固定蓋板	L:1104W:711.3	1.00	EA
3.00	GXA000299018D	SCREEN, CHIP BUCKET	集屑盒	L:775w:200H:165	1.00	EA
4.00	GX 000299019D	CHIP, SHOVEL	切屑扒	L350xW165xH95	1.00	EA
5.00	GX 000399073E	FIXED COVER	固定蓋板	L:526.5W:464.7	1.00	EA
6.00	GXB000199094E	COOLANT TANK BODY	切削水箱本體	L1900xW1110xH177	1.00	EA
7.00	GX 000299008E	SCREEN, CHIP BUCKET	集屑盒	L:1127W:717H:129.3	1.00	EA
8.00	GXB000199093E	COOLANT TANK BODY	切削水箱本體	L3898W350H317	1.00	EA
9.00	NV 00115570101	SWIVEL	活動輪	2(1/2")(MT02PA)	7.00	EA
10.00	MS 0103817	SOCKET HEAD CAP SCREW	六角穴圓頭螺絲	M8xP1.25xL16	36.00	EA
11.00	MW 0183810	SPRING WASHER	彈簧墊圈	M8	36.00	EA
12.00	MW 0103810	FLAT WASHER	平墊圈	M8 (d8*D22.2)	36.00	EA
13.00	GX 000199096D	FRONT PLATE, COOLANT TANK	前護板	L:130W:110H18	2.00	EA
14.00	NV 00115570105	SWIVEL, ADJUSTABLE	美國活動尼龍輪附支撐腳座(可調整高度)	2-1/2"*2-四角(得胜)	2.00	EA

Chapter 10

運輸用固定零件

Shipping Parts

REV	DESCRIPTION	DATE	CHK
A	発行承認	2007/2/8	
B	仕様がコロ7、8に変更	2007/9/26	B-1-1



MODEL: GX 1300/GX 1600

PART NAME

SHIPPING PARTS
運輸固定用零件

DATE 2007/2/5

SCALE 1:4.0

REV. B

PART NUMBER

GX 001045302D

PAGE 1 OF 1

PRODUCT BOM MASTER AND SUB-ITEMS LIST

Master Item Part NO.: GX 001045302D
Description: SHIPPING PARTS
運輸固定用零件

Item	Part NO.	Description	中文名稱	Specification	Qty	Unit
2.01	GXA000299094D	RETAINER, SHIPPING	Y軸運輸固定座	L146.5xW141xH48	1.00	EA
3.00	GX 000199016D	RETAINER, SHIPPING	X軸運輸固定座	L160xW90xH60	1.00	EA
4.02	GXB000199044D	SHIPPING BRACKET, OPERATOR PANE	操作箱運輸支撐架	L242xW78xH222.5	1.00	EA
5.00	S5100400098	TRANSPORT SHELF FOR SPINDLE	主軸運輸支撐架	L375xW350xH80	1.00	EA
7.00	S5300200176	GUARD,PLATE	外型板金護板	L354xW120xH40	1.00	EA
8.00	S5300200177	GUARD,PLATE	外型板金護板	L975W120H40	1.00	EA
10.00	GX 001000102D	LIFTING FRAME	吊架	L892xW628xH319	1.00	ST

Chapter 11

工具袋

Tool kit(No Drawing)

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	主軸鏟孔清潔器	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 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



Hardinge Taiwan Precision Machinery Limited.

Address : 4 Tzu Chiang 3rd Rd., Nan Tou City, 540 Taiwan

Tel : 886-49-2260-536

Fax : 886-49-2252-203 886-49-2254-167

E-mail : www.hardinge.com.tw