Innovation
With a Human Touch

V3 Sept., 2012

Jaguar IV Series
Maintenance Manual

Important Safety Information

Safety Instructions

General and Personal Safety Precautions

PERSONAL SAFETY

For personal safety, observe the following general precautions :

- A second person should be available to disable the system in an emergency
- Wear appropriate protective gear that fits comfortably
- Do not wear loose-fitting clothes. If you are wearing a long-sleeved shirt, fold the cuffs up your arm
- Never wear gloves close to moving parts
- Necklaces, ties and scarves should be tucked inside shirts.
- Long hair should be covered.

ELECTRICAL TOOL SAFETY

When using Electrical Tools make sure :

- Use tools that are in good operating order. Any tool that appears electrically or mechanically faulty must be labeled and sent immediately for repair.
- Make sure that you are electrically insulated when using electrical tools. Wear rubber-soled shoes and stand on a dry surface.
- If, during the use of electrical equipment, you feel an electrical discharge (e.g. a tickling sensation on your skin) immediately stop using that tool. Label it, and send it for repair.

GENERAL SITE SAFETY REQUIREMENTS

- Fire extinguishers must be in working order and within easy reach.
- The main power supply switch must be easily accessible.
- The system site must be suitably illuminated from all sides.
- Before operation, carefully read the warning labels on your Cutting plotter unit as well as the cautions and warnings in this manual.
- Connect the Cutting plotter to a properly grounded power outlet. Make sure the voltage level of the Cutting plotter matches that of the power source.
- Don't dissemble the unit while system power is on since the power supplies inside contain high voltage.
- Never leave the machine unattended during operation.
- Follow the instructions on maintaining and cleaning your system. Not only will this enable you to utilize your machine efficiently, but it will also ensure that your machine runs safely.

Table of Contents

1. Introduction and Component Overview

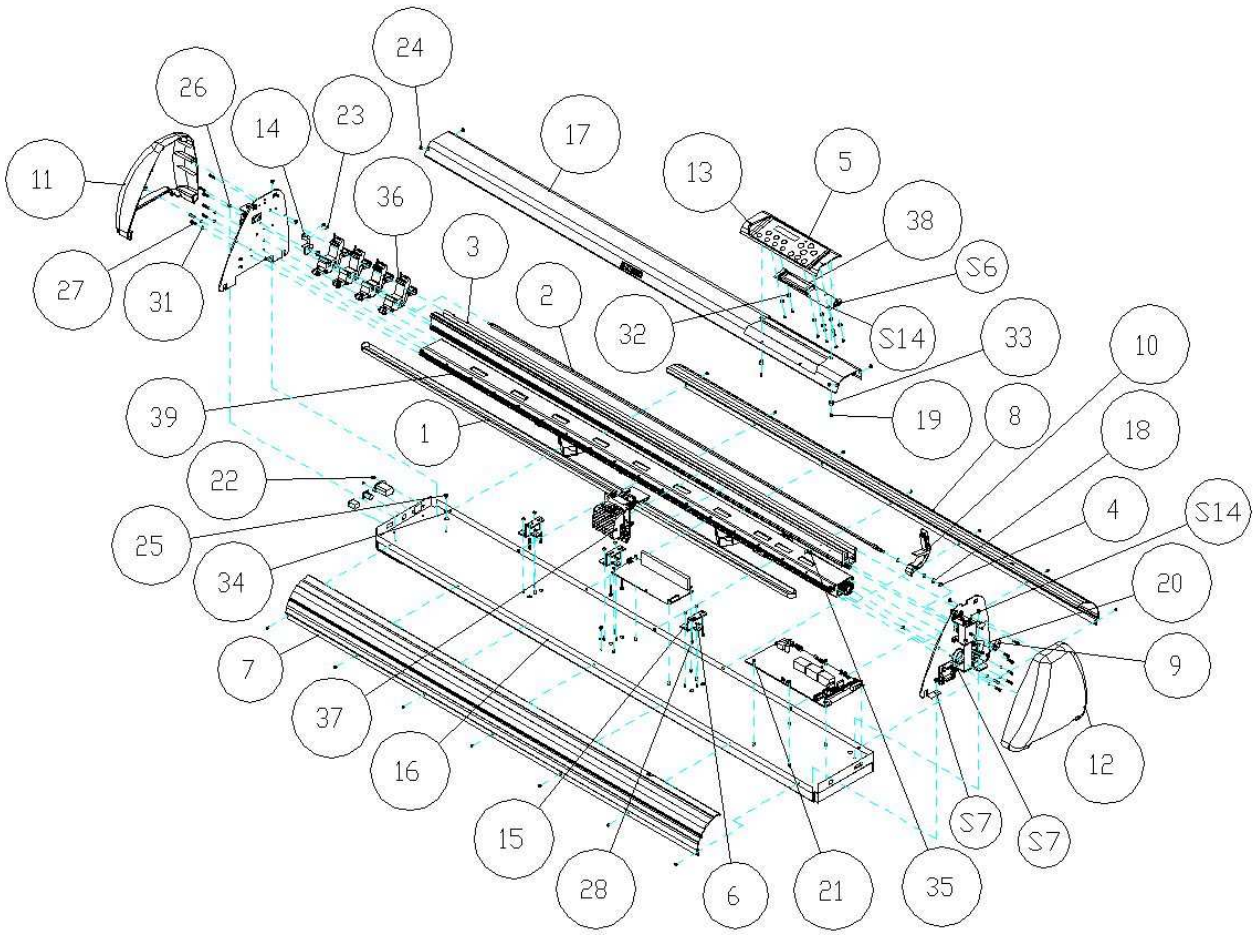
This Maintenance Guide provides step-by-step instructions for replacing and maintaining the components of the Jaguar Cutting plotter. It also includes a troubleshooting chapter with some handy hints when problems arise or if the plotter does not operate properly. This Maintenance Guide provides system diagrams, wiring diagrams and numerous flow charts detailing the maintenance diagnostics built into the Jaguar Cutting plotter. Finally there is a parts list and spare parts order form for convenience of ordering replacement parts.

For further Tech Support enquiries and assistance
please contact the following Email address:

Tech.support@gcc.com.tw

The following diagrams represent all of the maintainable mechanical and electronic components of the Jaguar Cutting Plotter with corresponding parts lists for convenient identification.

1.1 Jaguar IV Main Unit Assembly



1.1.1 Jaguar IV Main Unit Assembly – Parts List

A	Most recommend
B	Frequently asked
C	Sometimes needed
D	Barely asked
X	Can not order separately
Y	Screws, Nuts & washer
Z	Cables

ITEM	Part no.	Description	QTY	Remark
1	20600051G	Y axis carriage belt (2GT-L3366-W14)	1	C
2	22801068G	Square bar	1	C
3	22801149G	Top Rail	1	X
4	22801466G	White Bush 0604	2	C
5	23400012G	Control Panel Sticker	1	A
6	23500005G	Nut(M4xt3.2xS7)	11	Y
7	24100230G	Front platen extension	1	X
8	24100231G	Rear platen extension	1	X
9	24100232G	Right cover	1	C
10	24100233G	Left cover	1	C
11	24100253G	Shift-Lever Cam	1	C
12	24100306G	Control panel base	1	D
13	24100311G	Lever	1	B
14	24400048G	Square bar bracket	1	D
15	24400752G	Top cover	1	C
16	24400759G	Main beam support	3	X
17	244043700G	Unit Base Box	1	X
18	24900002G	E-shape retaining ring.D11*d5*t0.6	3	Y
19	25200003G	panhead machine screw(white) M3*8	2	Y
20	25200006G	Socket headness set screw.(M3*5L)	1	Y
21	25200115G	Truss head machine screw(M3*6L SUS)	36	Y
22	25200122G	90°dish flat head machine screw M3*8	2	Y
23	25200124G	Pan head machine screw including spring washer	3	Y

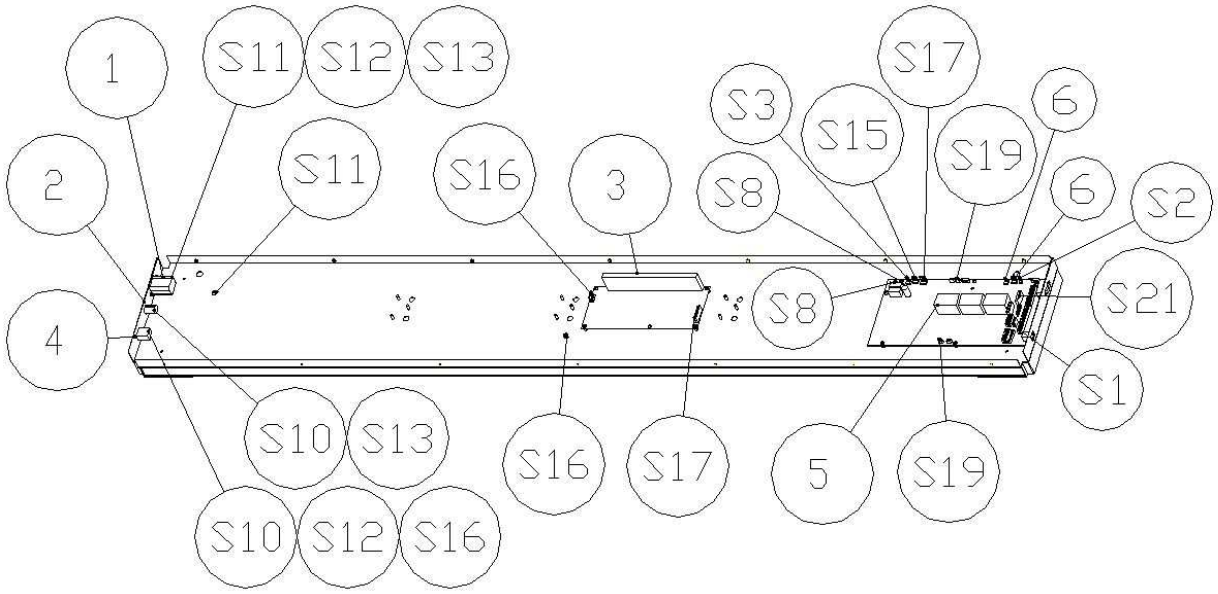
1.1.1 Jaguar IV Main Unit Assembly – Parts List

ITEM	Part no.	Description	QTY	Remark
24	25200181G	Truss head machine screw(M4*6L)	10	Y
25	25200198G	Truss head machine screw(M4*8L)	2	Y
26	25200199G	Truss head screw including external tooth washer	4	Y
27	25200237G	Socket head set screw.(M4*16L sus + coating)	14	Y
28	25200253G	Socket head set screw.(M4*30L)	6	Y
29	25500013G	Blocking arm spring	4	Y
30	25500014G	Sensor indexer Spring.	4	Y
31	26000006G	Spring washer. (d4xD7xt0.8)NI	14	Y
32	26000008G	Plastic washer	8	Y
33	26000010G	Nylon washer U-7	2	Y
34	26000071G	External toothed lock washer (M4-Ni)	2	Y
35	29000388G	Carriage stopper Assembly.	1	D
36	29002348G	Pinch roller Assembly	4	A
37	29004680G	Carriage assembly	1	A
38	29005258G	Control Panel Board assembly	1	A
39	29005445G	Main Beam Assembly	1	X
S6	20900594G	Jaguar II Static to K/B Cable (RI472-20900594G)	1	Z
S7	20900764G	Grounding Cable for Main Girder	1	Z
S14	20901675G	P/B ground wire 200mm K/3C	1	Z

1.1.1 Jaguar IV Main Unit Assembly – Parts List (Cables)

ITEM	Part no.	Description	QTY	Remark
S1	20900035G	Static PCB To C/B Cable Converter 2*5Pin 23cm	1	Z
S2	20900087G	M/B to Lever Switch Cable (2.0-2Pin130mm)	1	Z
S3	20900126G	Y Motor Driver cable 3.96-2pin 155cm	1	Z
S4	20900128G	Cable (from VCM Encoder to tool carriage)	1	Z
S5	20900430G	VCM Board to Carriage Board Cable (1.5*3pin soft cable 12cm)	1	Z
S6	20900594G	Jaguar II Static to K/B Cable (RI472-20900594G)	1	Z
S7	20900764G	Grounding Cable for Main Girder	1	Z
S8	20901334G	Wire to Board(2522-02 to 2510-02)	2	Z
S9	20901533G	FAN to Wire 600mm Cable	1	Z
S10	20901664G	Fuse & ON/OFF SW Cable (black) (K/3C)	1	Z
S11	20901667G	Ground wire of Line filter K/3C	1	Z
S12	20901668G	EMI Filter to ON/OFF cable white. K/3C	1	Z
S13	20901669G	EMI Filter to Fuse cable black. K/3C	1	Z
S14	20901675G	P/B ground wire 200mm K/3C	1	Z
S15	20901749G	The connector Cable from interface converter Board to M/B Encoder	1	Z
S16	20901907G	ON/OFF SW to Power Board Cable 1150mm/150mm	1	Z
S17	20901911G	Power Board to Motor Driver Board Cable 550mm	1	Z
S18	20902023G	Y Motor to Interface converter Board Encoder cable 2.54-4PIN 1850mm	1	Z
S19	29004380G	2.54-3Pin M/B to paper sensor Cable 130mm	2	Z
S20	290071420G	Flat cable assembly for 132 model (195cm)	1	Z
S21	290071440G	For Interface converter Board Used Flat Cable Assembly(30cm)	1	Z
S22	20901523G	AAS II Sensor PCB to carriage PCB	1	Z

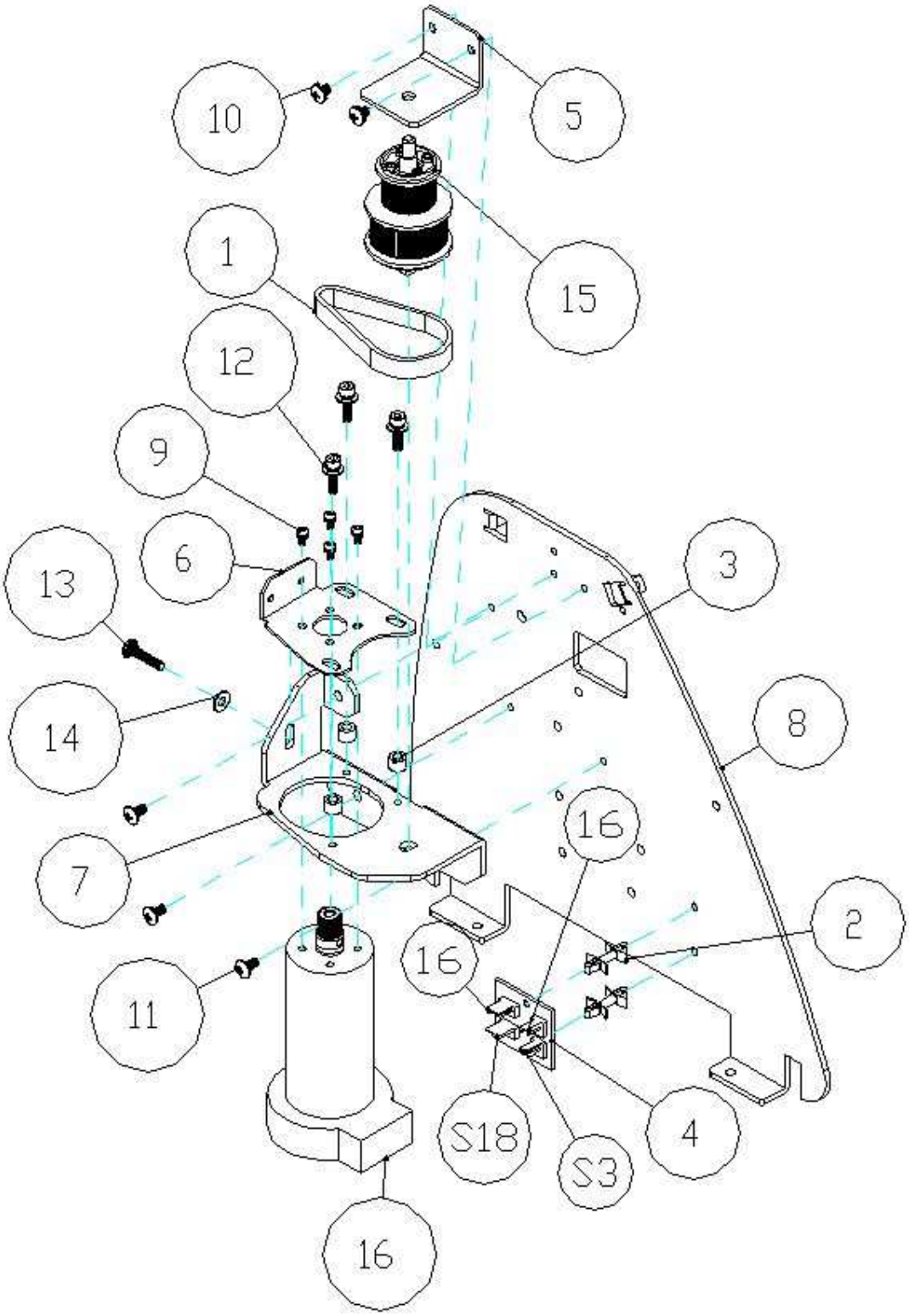
1.2 Jaguar IV Electronic and Electrical Assembly



1.2.1 Jaguar IV Electronic and Electrical Assembly – Parts List

ITEM	Part no.	Description	QTY	Remark
1	21800034G	AC PLUG (including EMI Filter) (K/3C)	1	B
2	22300021G	Fuse Holder Type3A/250V(K/3C)	1	B
3	24500083G	250W Isolated Dual Output with PFC(Power Factor Correction) Function(PID-250C)	1	X Power board
4	25700075G	ON/OFF Power Switch (K/3C)	1	C
5	29005691G	ROHS Main board for Cutter all series assembly (With new FLASH - SMD Place：U9)	1	A
6	29001804G	Motor Assembly	1	A
S2	20900087G	M/B to Lever Switch Cable (2.0-2Pin130mm)	1	Z
S3	20900126G	Y Motor Driver cable 3.96-2pin 155cm	1	Z
S6	20900594G	Jaguar II Static to K/B Cable (RI472-20900594G)	1	Z
S8	20901334G	Wire to Board(2522-02 to 2510-02)	2	Z
S10	20901664G	Fuse & ON/OFF SW Cable (black) (K/3C)	1	Z
S11	20901667G	Ground wire of Line filter K/3C	1	Z
S12	20901668G	EMI Filter to ON/OFF cable white. K/3C	1	Z
S13	20901669G	EMI Filter to Fuse cable black. K/3C	1	Z
S15	20901749G	The connector Cable from interface converter Board to M/B Encoder	1	Z
S16	20901907G	ON/OFF SW to Power Board Cable 1150mm/150mm	1	Z
S17	20901911G	Power Board to Motor Driver Board Cable 550mm	1	Z
S19	29004380G	2.54-3Pin M/B to paper sensor Cable 130mm	2	Z
S21	290071440G	For Interface converter Board Used Flat Cable Assembly(30cm)	1	Z

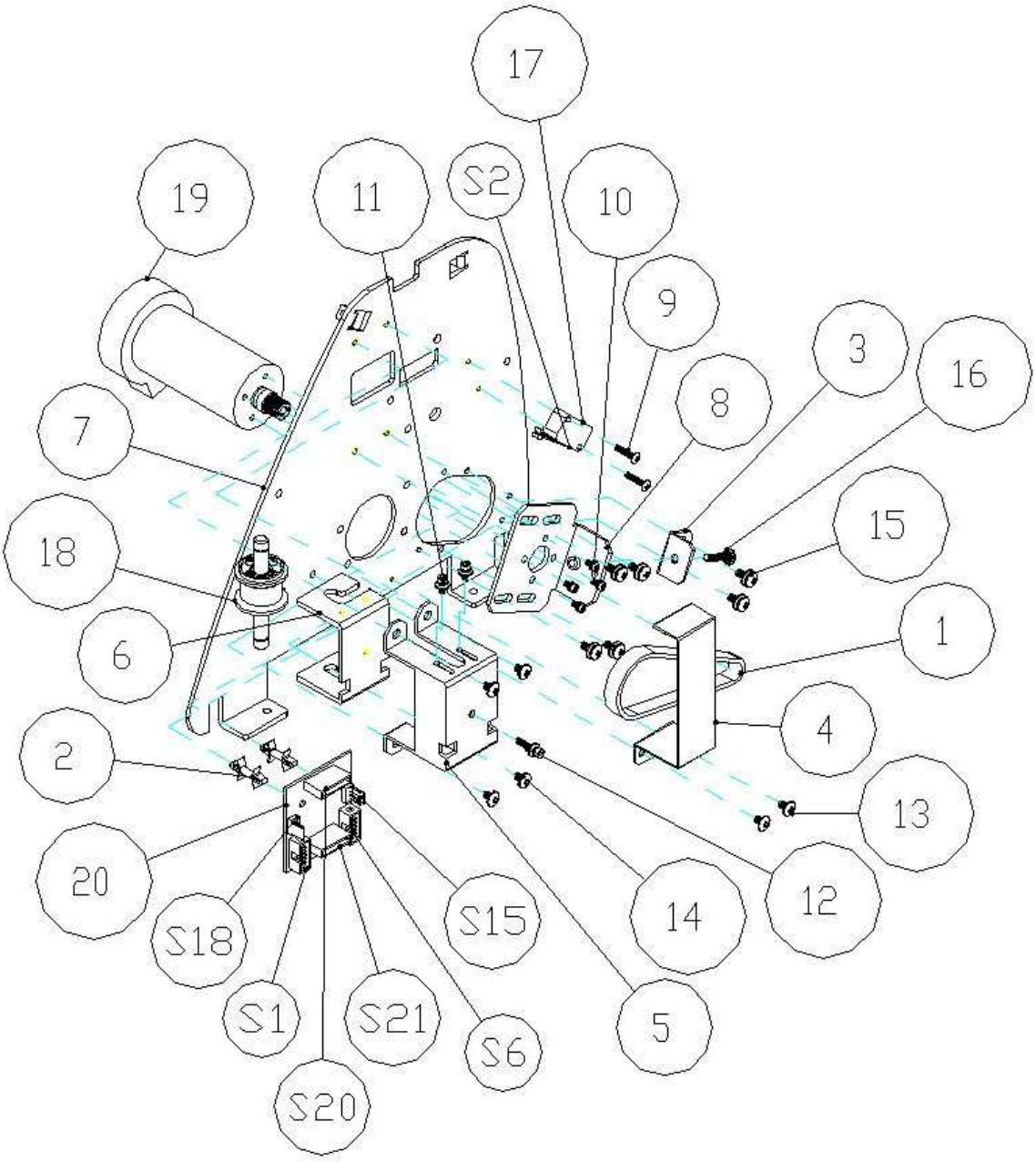
1.3 Jaguar IV Left End Assembly



1.3.1 Jaguar IV Left End Assembly – Parts List

ITEM	Part no.	Description	QTY	Remark
1	20600007G	Y-axis belt. 2GT-L172-W10	1	D
2	22000149G	P.C.B interval pillar (LCA4-10A)	2	Y
3	22801359G	Y-axis Motor Spacer	3	Y
4	23800032G	Motor board. (12258)	1	B
5	24400039G	Pulley bottom bracket	1	D
6	24400041G	Y-motor bracket	1	D
7	24400526G	Pulley top bracket	1	D
8	24400755G	Side support left	1	X
9	25200052G	Pan head machine screw including spring washer	4	Y
10	25200182G	Truss head screw including external tooth washer	2	Y
11	25200196G	Truss head machine screw including spring washer	3	Y
12	25200228G	Hexagonal Socket Head including spring & flat washer	3	Y
13	25200245G	Truss head machine screw including spring washer	1	Y
14	26000004G	Flat washer. (d4.4xD10xt0.8 NI)	1	Y
15	29000936G	Active Gear Assembly	1	C
16	29001804G	Motor Assembly	1	A
S3	20900126G	Y Motor Driver cable 3.96-2pin 155cm	1	Z
S18	20902023G	Y Motor to Interface converter Board Encoder cable 2.54-4PIN 1850mm	1	Z

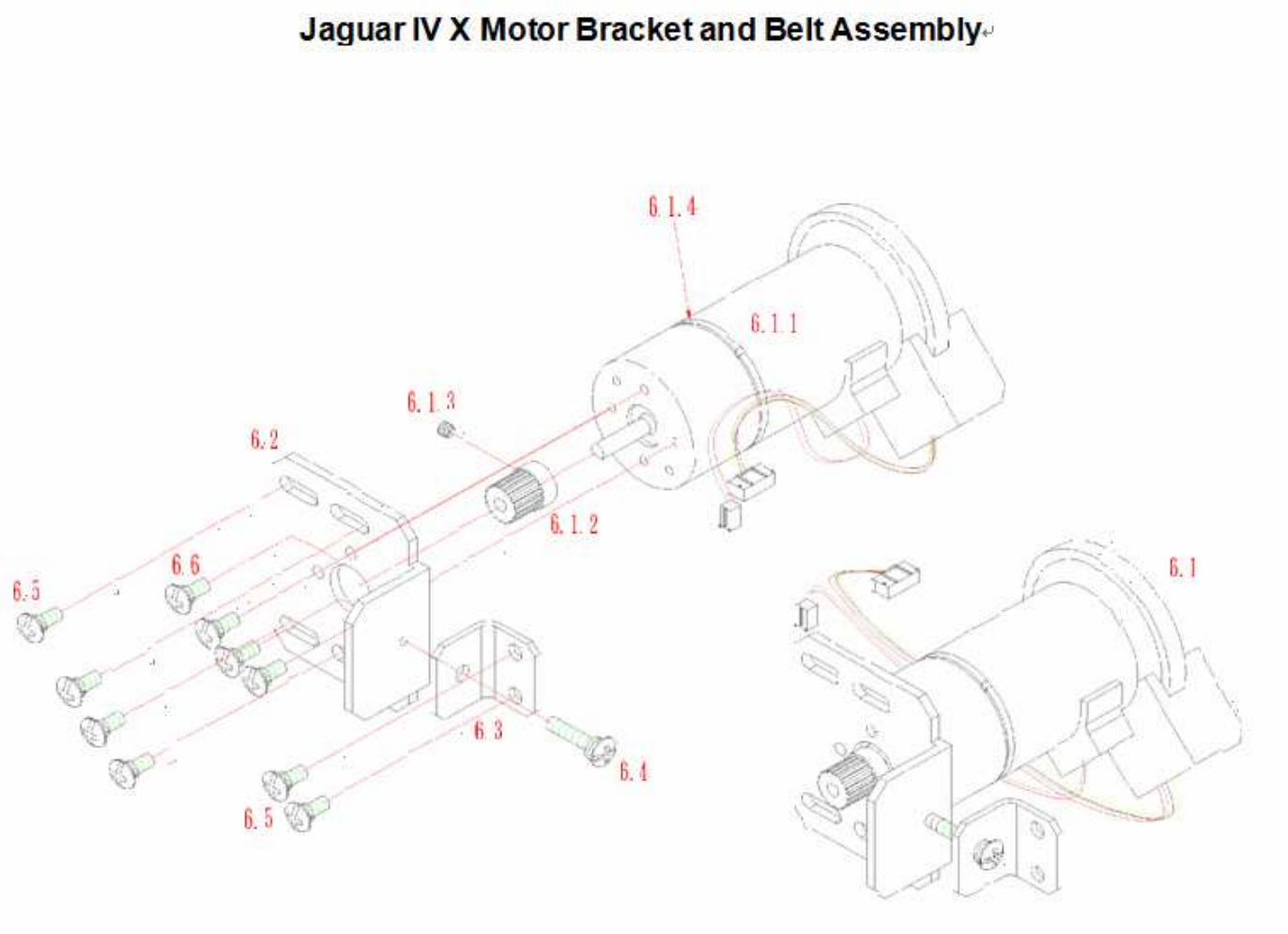
1.4 Jaguar IV Right End Assembly



1.4.1 Jaguar IV Right End Assembly – Parts List

ITEM	Part no.	Description	QTY	Remark
1	20600009G	X-axis belt. 2GT-L220-W10	1	D
2	22000149G	P.C.B interval pillar (LCA4-10A)	2	Y
3	24400038G	X-motor adjusting bracket	1	D
4	24400066G	Cable basket	1	D
5	24400304G	Ideal pulley ass y bracket	1	D
6	24400715G	Ideal pulley Assembly adjusting bracket	1	D
7	24400757G	Right Side Plate	1	X
8	24400761G	X-motor bracket	1	D
9	25200017G	Truss head machine screw(M3*15L).black	2	Y
10	25200052G	Pan head machine screw including spring washer	4	Y
11	25200117G	Hexagonal Socket Head including spring & flat washer(M3*8L)	2	Y
12	25200157G	Hexagonal Socket Head including spring & flat washer(M3*16L)	1	Y
13	25200181G	Truss head machine screw(M4*6L)	2	Y
14	25200182G	Truss head screw including external tooth washer	4	Y
15	25200208G	Truss head screw including spring & flat washer(M4*10)	6	Y
16	25200245G	Truss head machine screw including spring washer	1	Y
17	25700002G	Lever Switch (VM3-04N-80S-U3 (390))	1	A
18	29000560G	Y ideal pulley assembly	1	D
19	29001804G	Motor Assembly	1	A
20	29005256G	Watch dog-Interface converter board Assembly	1	A
S1	20900035G	Static PCB To C/B Cable Converter 2*5Pin 23cm	1	Z
S2	20900087G	M/B to Lever Switch Cable (2.0-2Pin130mm)	1	Z
S6	20900594G	Jaguar II Static to K/B Cable (RI472-20900594G)	1	Z
S15	20901749G	The connector Cable from interface converter Board to M/B Encoder	1	Z
S18	20902023G	Y Motor to Interface converter Board Encoder cable 2.54-4PIN 1850mm	1	Z
S20	290071420G	Flat cable assembly for 132 model (195cm)	1	Z
S21	290071440G	For Interface converter Board Used Flat Cable Assembly(30cm)	1	Z

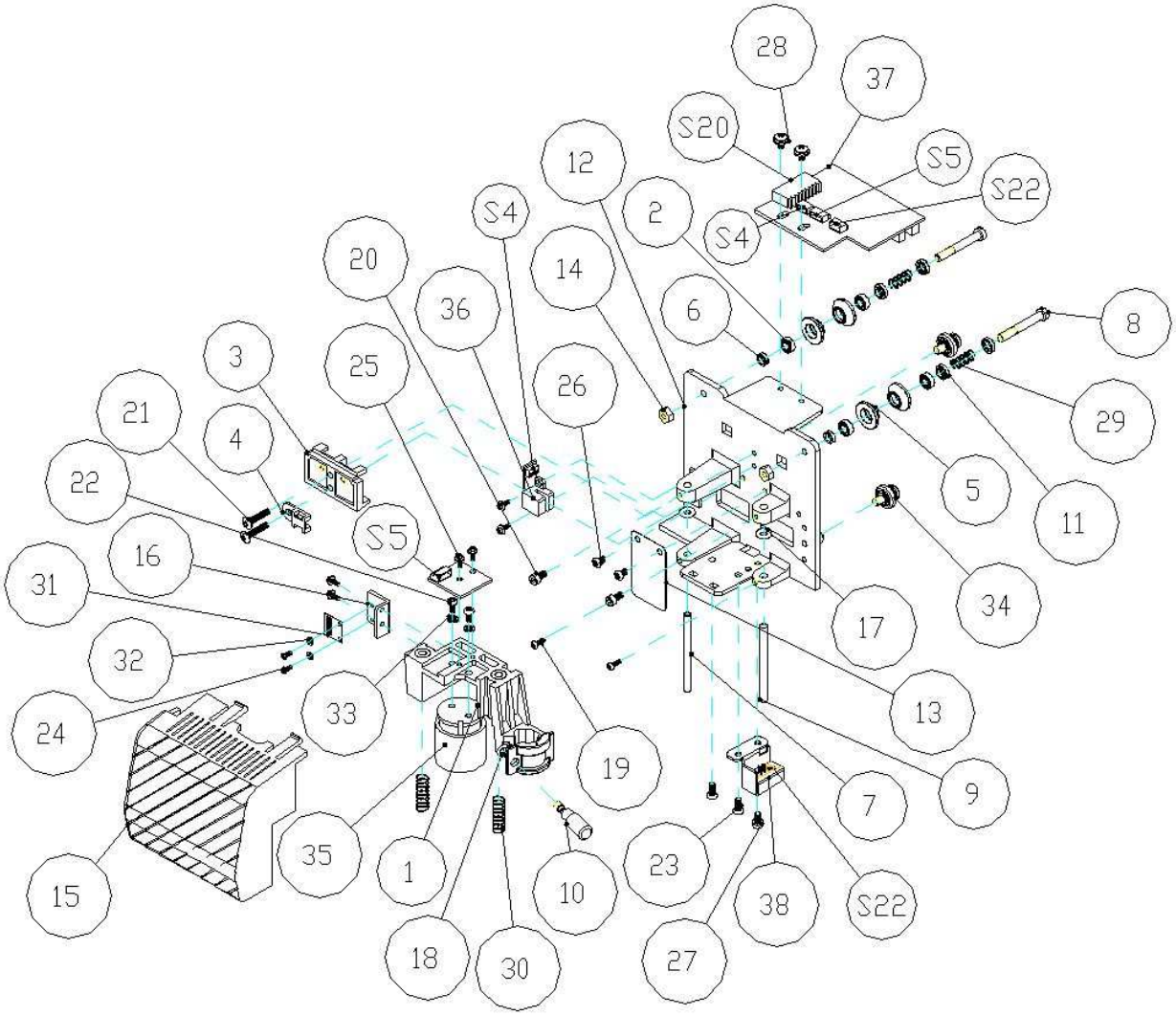
1.5 Jaguar IV X Motor Bracket and Belt Assembly



1.5.1 Jaguar IV X Motor Bracket and Belt Assembly – Parts List

Number	Part no.	Description	Qty	Remark
6	29001804G	Motor assembly, Jaguar.	1	A
6.1.1	23100014G	Motor MS090600, Jaguar.	1	X
6.1.2	21700009G	Motor pulley, 2GT-P18, Jaguar.	1	X
6.1.3	25200169G	Headless Screw, M4x3.5.	1	Y
6.1.4	22000107G	Cable Tie, YJ-160.	1	Y
6.2	24400761G	X-motor bracket, Jaguar.	1	D
6.3	24400038G	X-motor adjusting bracket, Jaguar.	1	D
6.4	25200245G	Truss head screw & spring washer, M4x20.	1	Y
6.5	25200208G	Truss head screw & spring & flat washer,	6	Y
6.6	25200052G	Pan head screw & spring washer, #6x8.	4	Y

1.6 Jaguar IV Carriage Assembly



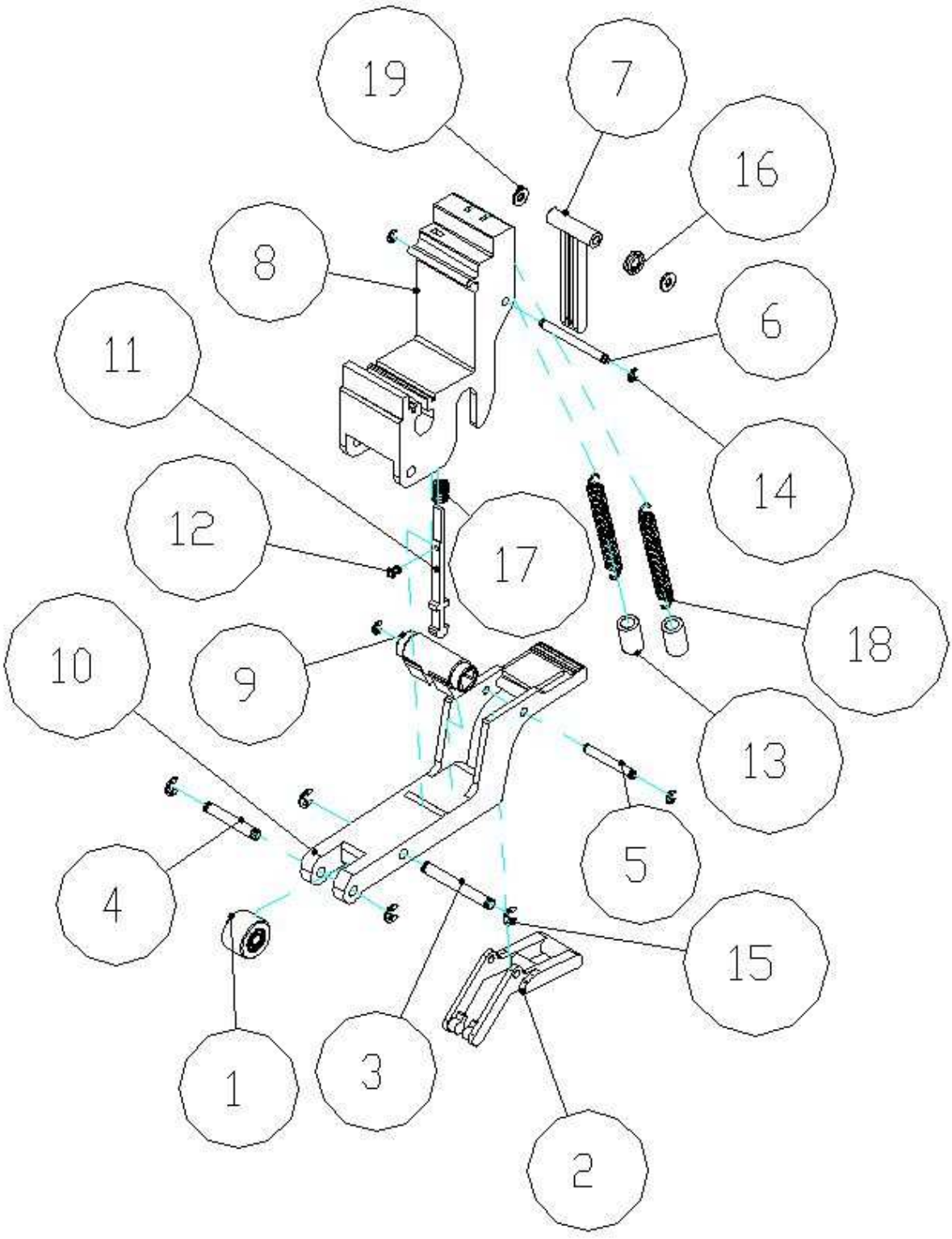
1.6.1 Jaguar IV Carriage Assembly – Parts List

ITEM	Part no.	Description	QTY	Remark
1	20200071G	Blade holder slide bracket assembly	1	X
2	20700029G	Bearing	4	C
3	21700034G	Y-axis belt bracket	1	D
4	22000105G	Cable saddle	1	Y
5	22800410G	Carrier guide roller(DU type)	4	X(29005702G)
6	22800411G	Spacer for carrier guide roller(DU type)	2	X(29005702G)
7	22800765G	Slide shaft in tool carriage	1	X(Carriage assy)
8	22800767G	Carrier guide roller(DU type)shaft	2	X(29005702G)
9	22800769G	Right-Slide shaft in tool carriage	1	X(Carriage assy)
10	22800838G	Blade holder bracket screw	1	C
11	22801464G	White spring bracket for carrier guide roller	4	X(29005702G)
12	22802197G	carriage base finishing	1	X(Carriage assy)
13	23300824G	Cable Fix	1	Y
14	23500005G	Nut(M4xt3.2xS7)	2	Y
15	24100307G	Carriage plastic cover	1	B
16	24400400G	Encoder grid bracket	1	X(Carriage assy)
17	24700022G	Oil ring	2	X(Carriage assy)
18	24700044G	O-Ring(d2.0*r1.5)	1	C
19	25200004G	Pan head machine screw(M2.6*6L)	2	Z
20	25200008G	Socket head set screw.(M3*6L)	2	Z
21	25200017G	Truss head machine screw(M3*15L).black	2	Z
22	25200048G	Pan head machine screw.M3*5	2	Z
23	25200049G	Pan head machine screw.M3*6	2	Z
24	25200059G	Pan head machine screw(M2*4L)	2	Z

1.6.1 Jaguar IV Carriage Assembly – Parts List

ITEM	Part no.	Description	QTY	Remark
25	25200065G	Pan head machine screw including flat washer.(2*6)	6	Z
26	25200093G	Pan head machine screw(M3*4L black)	2	Z
27	25200107G	Pan head machine screw including spring washer.	1	Z
28	25200112G	Truss head screw including flat washer	2	Z
29	25500041G	Spring for carrier guide roller	2	X(29005702G)
30	25500043G	Tool carriage spring	2	X(Carriage assy)
31	25600019G	VCM Encoder grid	1	X(Carriage assy)
32	26000003G	Flat washer. (d2xD4xt0.4 NI)	2	Y
33	26000009G	Spring washer.(d3xD5.3x0.7 Ni)	2	Y
34	29000568G	A roller Assembly	2	A
35	29000940G	VCM Assembly.	1	X(Carriage assy)
36	29001802G	Encoder PCB Assembly.	1	X(Carriage assy)
37	29004369G	AASII carriage board assembly	1	A
38	29005382G	AAS II sensor assembly with bracket	1	X(Carriage assy)
S4	20900128G	Cable (from VCM Encoder to tool carriage)	1	Z
S5	20900430G	VCM Board to Carriage Board Cable (1.5*3pin soft cable 12cm)	1	Z
S20	290071420G	Flat cable assembly for 132 model (195cm)	1	Z
S22	20901523G	AAS II Sensor PCB to carriage PCB	1	Z

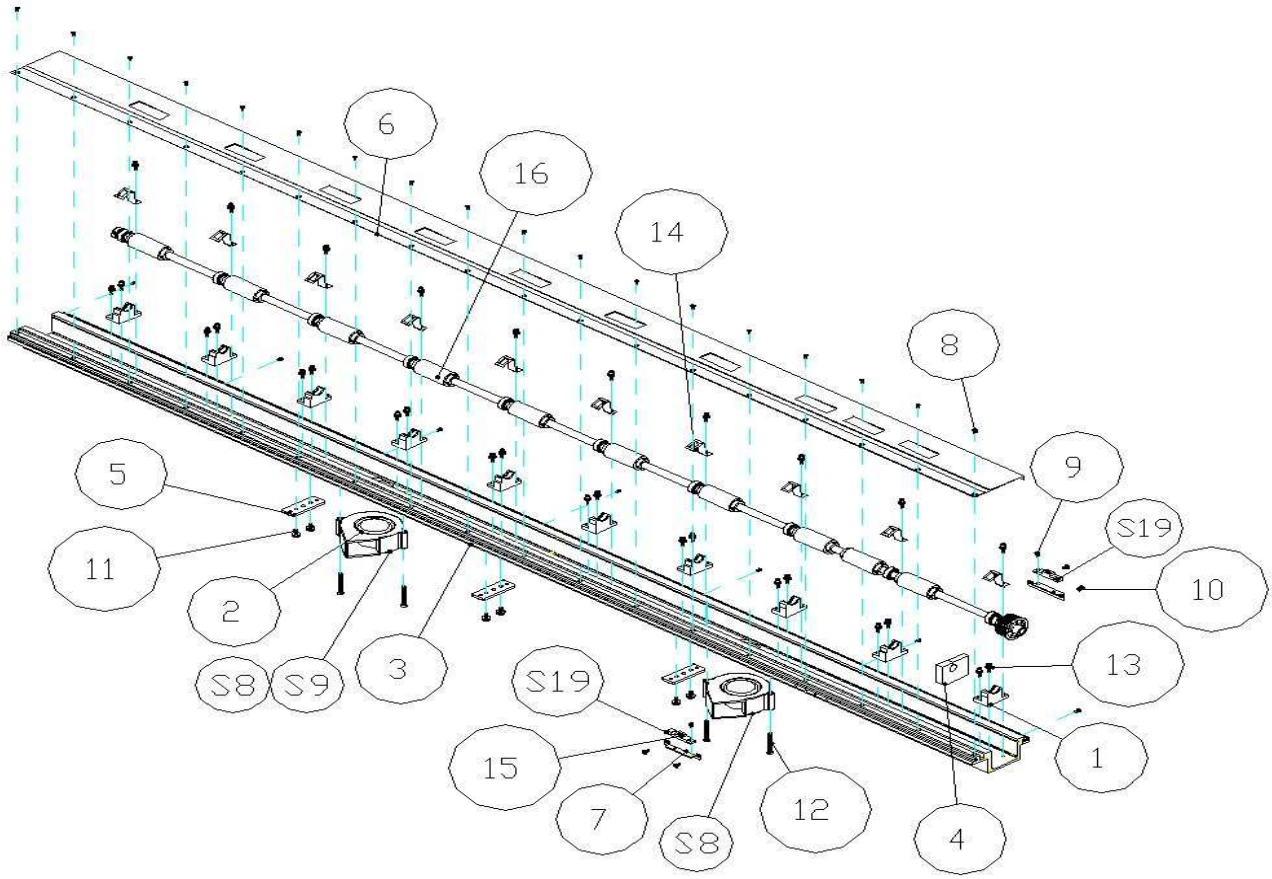
1.7 Jaguar IV Pinch Roller Assembly



1.7.1 Jaguar IV Pinch Roller Assembly – Price List

ITEM	Part no.	Description	QTY	Remark
1	20200003G	Pinch roller wheel	1	A
2	21700010G	Releasing arm	1	X(29002348G)
3	22800028G	Pinch roller active arm shaft	1	X(29002348G)
4	22800029G	Pinch roller shaft	1	X(29002348G)
5	22800030G	Releasing arm shaft	1	X(29002348G)
6	22800031G	Blocking arm shaft	1	X(29002348G)
7	24100142G	Blocking arm	1	X(29002348G)
8	24100268G	Pinch roller base	1	X(29002348G)
9	24100276G	CAM roller	1	X(29002348G)
10	24100355G	Pinch roller active arm	1	X(29002348G)
11	241005730G	Sensor Sheet	1	X(29002348G)
12	241005750G	Stopper	1	X(29002348G)
13	24700071G	Silicone tube	2	X(29002348G)
14	24900001G	E-shape retaining ring.d2*D5*t0.4	4	X(29002348G)
15	24900006G	E-shape retaining ring.(D7*d3*t 0.6)	4	X(29002348G)
16	25500013G	Blocking arm spring	1	X(29002348G)
17	25500014G	Sensor indexer Spring.	1	X(29002348G)
18	25500039G	Pinch Roller Spring	2	D
19	26000001G	Plastic washer.WS-1M	2	X(29002348G)

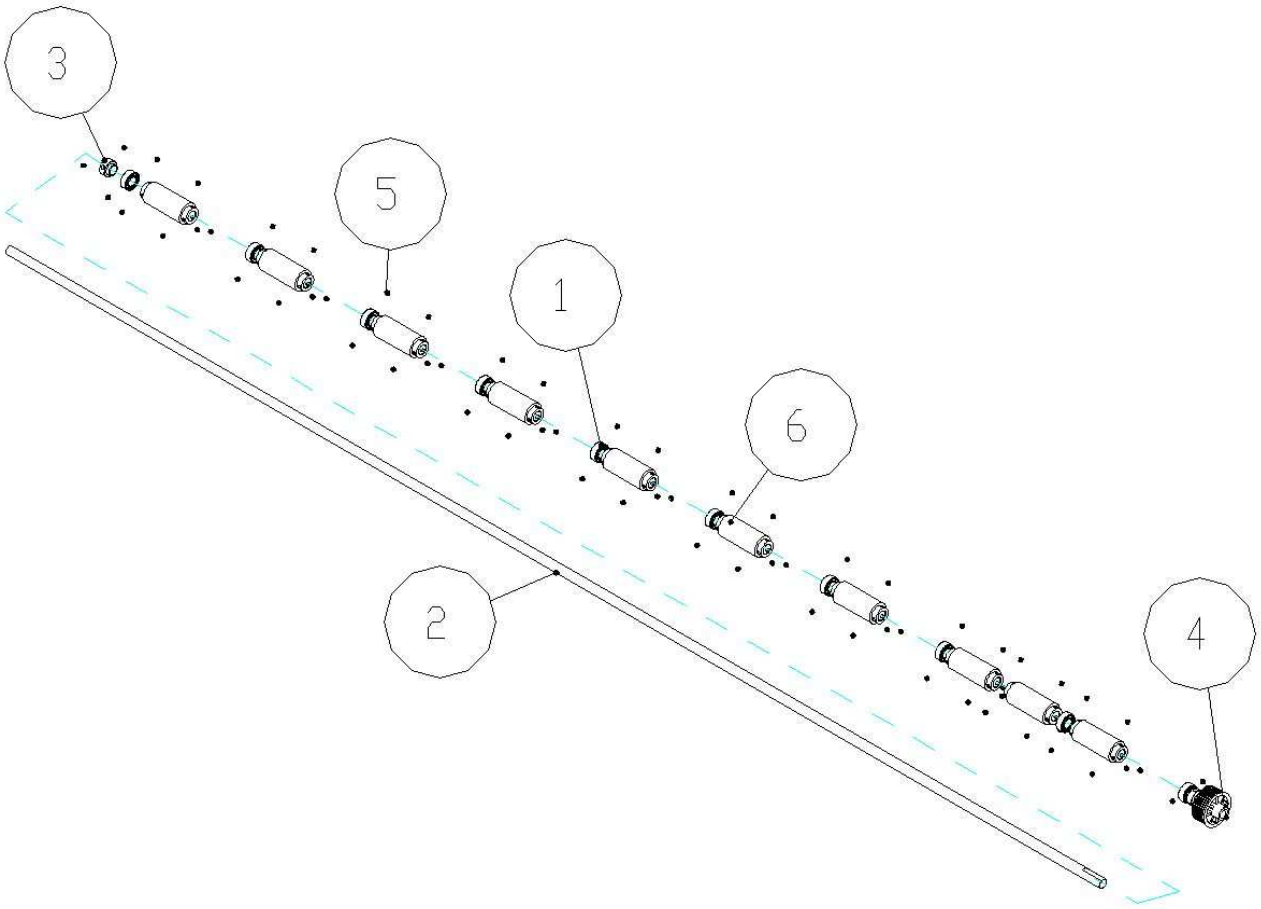
1.8 Jaguar IV Main Beam Assembly



1.8.1 Jaguar IV Main Beam Assembly – Parts List

ITEM	Part no.	Description	QTY	Remark
1	21700003G	Bearing support	10	D
2	22200040G	DC FAN	2	C
3	22802179G	Main beam	1	X
4	24000570G	SPACE PE Styrofoam	1	X
5	24400760G	Main beam support fixer	3	D
6	24400879G	Platen	1	C
7	24402272G	Sensor Bracket	2	X(Paper sensor assy)
8	25200084G	90°dish flat head machine screw M2.6*6	25	Y
9	25200093G	Pan head machine screw(M3*4L black)	2	Y
10	25200115G	Truss head machine screw(M3*6L SUS)	4	Y
11	25200208G	Truss head screw including spring & flat washer(M4*10)	6	Y
12	25200260G	Pan head machine screw(M4*35L)	4	Y
13	25200454G	Socket head set screw including spring & flat washer.(M3*12L)	30	Y
14	25500011G	Bearing reed spring	10	D
15	29004854G	Paper Sensor Assembly	2	X(Paper sensor assy)
16	29005437G	Grid Drum Assembly	1	X
S8	20901334G	Wire to Board(2522-02 to 2510-02)	2	Z
S9	20901533G	FAN to Wire 600mm Cable	1	Z
S19	29004380G	2.54-3Pin M/B to paper sensor Cable 130mm	2	Z

1.9 Jaguar IV Drum Assembly



1.9.1 Jaguar IV Drum Assembly – Parts List

ITEM	Part no.	Description	QTY	Remark
1	20700009G	Grid Drum Bearing	10	C
2	22800407G	Grid Drum shaft	1	X
3	22800564G	Bearing Blocker	2	D
4	24100111G	Roll Wheel	1	X
5	25200169G	Socket headness set screw.(M4*3.5L)	66	Y
6	26500432G	5cm Japanese grid drum	10	X

1.10 Jaguar IV parts used on all size models – Parts List

Item	Part no.	Description	Jaguar IV 61 (Mutoh VC-600)	Jaguar IV 132S (Mutoh VC-1300)	Jaguar IV 183S (Mutoh VC-1800)	Remark
1	20200026G	Media basket support Jaguar II 132.		V		B
2	20200029G	Media basket support Jaguar II 61.	V			B
3	20200118G	Media basket support (J4-183)			V	B
4	20600009G	X-axis belt. 2GT-L220-W10	V	V		D
5	20600039G	X-axis belt (2GT-L240-W10)			V	D
6	20600051G	Y axis carriage belt (2GT-L3366-W14)		V		D
7	20600054G	Carriage belt.(2GT-L1720-W14)	V			D
8	206001830G	Open Steel Filum Belt (U2GT-4450-14)			V	D
9	20900068G	Y Motor Driver cable 3.96-2pin 70cm.	V			Z
10	20900126G	Y Motor Driver cable 3.96-2pin 155cm.		V		Z
11	20900785G	Y-motor driven cable 3.96-2pin 188cm			V	Z
12	20901363G	2.54-3Pin M/B to paper sensor Cable 130mm	V	V		Z
13	20901364G	2.54-3Pin M/B to paper sensor Cable 850mm			V	Z
14	20901533G	FAN to Wire 600mm Cable		V	V	Z
15	20901906G	ON/OFF SW to Power Board Cable 1650mm/150mm			V	Z
16	20901907G	ON/OFF SW to Power Board Cable 1150mm/150mm		V		Z
17	20901910G	ON/OFF SW to Power Board Cable 200mm/150mm	V			Z
18	20901911G	Power Board to Motor Driver Board Cable 550mm	V	V		Z
19	20901976G	Power Board to Main Board Cable 1350mm (1001182)			V	Z
20	20902022G	Y Motor to Interface converter Board Encoder cable 2.54-4PIN 980mm	V			Z

1.10 Jaguar IV parts used on all size models – Parts List

Item	Part no.	Description	Jaguar IV 61 (Mutoh VC-600)	Jaguar IV 132S (Mutoh VC-1300)	Jaguar IV 183S (Mutoh VC-1800)	Remark
21	20902023G	Y Motor to Interface converter Board Encoder cable 2.54-4PIN 1850mm		V		Z
22	20902025G	Y Motor to Interface converter Board Encoder cable 2.54-4PIN 2180mm			V	Z
23	22000001G	SPIRAL WRAPPING BAND(SWB-12)	V	V		D
24	22800048G	Spacer for carrier guide roller(A Type).	V	V		X(29000568G)
25	22800049G	Carrier guide roller(A type)shaft.	V	V		X(29000568G)
26	22800407G	Grid Drum shaft		V		X
27	22800411G	Spacer for carrier guide roller(DU type).	V	V		X(29005702G)
28	22800580G	Grid Drum shaft	V			X
29	22800859G	Top Rail			V	X
30	22801066G	Square bar	V			C
31	22801068G	Square bar Jaguar132		V		C
32	22801137G	square bar vogue 183			V	C
33	22801149G	Top rail		V		X
34	22801151G	Top rail	V			X
35	22801244G	Spacer for carrier guide roller(DU type).			V	X(29005702G)
36	22801245G	Spacer for carrier guide roller(A Type).			V	X(29002348G)
37	22801246G	Carrier guide roller(A type)shaft.			V	X(29002348G)
38	22801284G	Grid Drum shaft			V	X
39	22802178G	Main beam(Jaguar IV-61)	V			X
40	22802179G	Main beam (Jaguar IV-132)		V		X

1.10 Jaguar IV parts used on all size models – Parts List

Item	Part no.	Description	Jaguar IV 61 (Mutoh VC-600)	Jaguar IV 132S (Mutoh VC-1300)	Jaguar IV 183S (Mutoh VC-1800)	Remark
41	22802197G	carriage base finishing(Jaguar IV)	V	V		X
42	22802347G	carriage base finishing - Jaguar IV			V	X
43	22802585G	Main beam(183) - Jaguar IV			V	X
44	23300362G	long drum 50mm	V			X
45	23300418G	Hold Plug(M-22)			V	X
46	233014010G	Basket -70cm*164cm(Mutoh)	V			D
47	233014020G	Basket -145cm*164cm(Mutoh)		V		D
48	233014030G	Basket -190cm*164cm(Mutoh)			V	D
49	24000020G	Roller Block	V	V		B
50	24000163G	Carton for Jaguar II / III / IV 132.		V		D
51	24000164G	Top support for Jaguar132.		V		D
52	24000166G	Side support for Jaguar II		V		D
53	24000172G	Top support for Jaguar61.	V			D
54	24000174G	Side support for Jaguar II	V			D
55	24000176G	Nylon rope bracket.	V			D
56	24000265G	Bottom support for Jaguar132.		V		D
57	24000274G	Carton for Jaguar II / III /IV 61.	V			D
58	24000276G	Bottom support for Jaguar61.	V			D
59	24000330G	Carton for Media basket Jaguar132.		V		D
60	24000333G	Carton for Media basket Jaguar61.	V			D

1.10 Jaguar IV parts used on all size models – Parts List

Item	Part no.	Description	Jaguar IV 61 (Mutoh VC-600)	Jaguar IV 132S (Mutoh VC-1300)	Jaguar IV 183S (Mutoh VC-1800)	Remark
61	24000357G	side carton board-VOGUE			V	D
62	24000366G	Outer carton for machine			V	D
63	24000387G	Carton for stand			V	D
64	24000389G	Side support for carton			V	D
65	24000397G	Bottom Case for Main Assembly Packing - Vogue			V	D
66	24000399G	Top support(JⅢ183)			V	D
67	24000401G	Carton for Media basket(J Ⅲ183)			V	D
68	24000690G	Stand Support		V		D
69	24000694G	Stand Carton	V			D
70	24000695G	Stand Support	V			D
71	24000689G	Stand Support			V	D
72	24100111G	Roll Wheel	V	V		X
73	24100189G	X axis actively belt gear (&188 合模)			V	X
74	24100230G	Front platen extension		V		290076850G
75	24100231G	Rear platen extension		V		290067590G
76	24100242G	Front platen extension	V			290067830G
77	24100243G	Rear platen extension	V			290067570G
78	24100397G	Front Platen Extension			V	
79	24100398G	Back Platen Extension			V	
80	24400407G	Desktop support bracket.	V			D

1.10 Jaguar IV parts used on all size models – Parts List

Item	Part no.	Description	Jaguar IV 61 (Mutoh VC-600)	Jaguar IV 132S (Mutoh VC-1300)	Jaguar IV 183S (Mutoh VC-1800)	Remark
81	24400755G	Side support left	V	V		X
82	24400757G	Right Side Plate	V	V		X
83	24400759G	Main beam support fixer.		V	V	X
84	24400760G	Main beam support fixer.		V	V	X
85	24400879G	Platen.		V		D
86	24400882G	Platen.	V			D
87	24401134G	Platen vogue 183			V	D
88	24401136G	left side support			V	X
89	24401137G	right side support			V	X
90	24401337G	Switch Panel(JⅢ183)			V	X
91	24403396G	Stand Beam	V			D
92	24403400G	Stand Beam		V		D
93	24403401G	Stand Beam			V	D
94	24403402G	Bottom Stand			V	D
95	24403410G	Bottom Stand	V	V		D
96	244043700G	Base Unit		V		X
97	244043720G	Base Unit	V			X
98	244043780G	Base Unit			V	X
99	244044210G	Top cover Jaguar IV 61 (Mutoh)	V			D
100	244044220G	Top cover Jaguar IV 132.(Mutoh)		V		D

1.10 Jaguar IV parts used on all size models – Parts List

Item	Part no.	Description	Jaguar IV 61 (Mutoh VC-600)	Jaguar IV 132S (Mutoh VC-1300)	Jaguar IV 183S (Mutoh VC-1800)	Remark
101	244044230G	Top cover Jaguar IV 183.(Mutoh)			V	D
102	25200120G	Socket flat head set screw.(M3*8)		V	V	Y
103	25200129G	Truss head machine screw & spring washer M3*8.			V	Y
104	25200203G	Socket head set screw.(M4*10L)while	V			Y
105	25200223G	Truss head machine screw(M4*12L).		V	V	Y
106	25200253G	Socket head set screw.(M4*30L) - StellarJet 250UV		V	V	Y
107	25200258G	Socket head set screw.(M4*35L)			V	Y
108	25200260G	Pan head machine screw(M4*35L)	V	V		Y
109	264006590G	CE Safety Control Label for J4-132S - Jaguar IV (Mutoh)		V		Y
110	264006600G	Mutoh logo sticker	V	V	V	Y
111	264006610G	CE Safety Control Label for J4-183S - Jaguar IV (Mutoh)			V	Y
112	264006630G	CE Safety Control Label for J4-61 - Jaguar IV (Mutoh)	V			Y
113	26500005G	Size 3 zipper bags	V	V		Y
114	26500110G	Hex Wrench (white)ψ3 (M4)	V			Y
115	26500321G	RUBBER STAND	V			D
116	26500336G	Grease for Gear (EM-50L) 1kg	V	V		X
117	26500345G	Grease for Gear (DC-AC-1)1kg			V	X
118	26500349G	Front/Rear platen sticker SK-2 100m/m*200m			V	Y
119	26500361G	Air Bubble Cushion (122*198cm)			V	Y
120	26500362G	Hold plug (M09)		V	V	Y

1.10 Jaguar IV parts used on all size models – Parts List

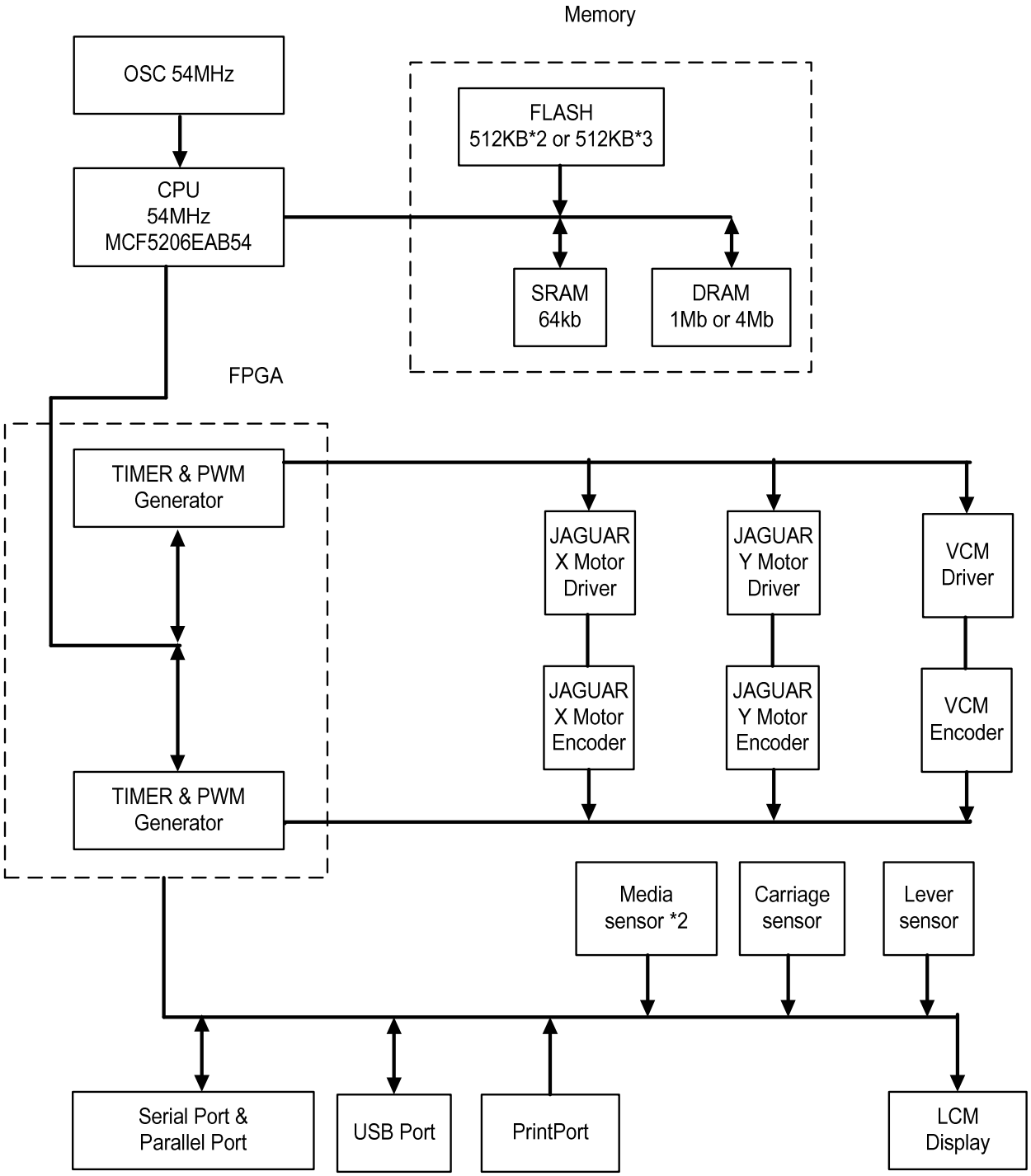
Item	Part no.	Description	Jaguar IV 61 (Mutoh VC-600)	Jaguar IV 132S (Mutoh VC-1300)	Jaguar IV 183S (Mutoh VC-1800)	Remark
121	26500432G	5cm Japanese grid drum		V	V	X
122	29000568G	A roller Assembly	V	V		B
123	29000577G	Roll holder support Assembly	V			C
124	29001794G	Accessory kit (132cm)		V		D
125	29001876G	Packing Assembly Jaguar61.	V			D
126	29001877G	Accessory (61cm)	V			D
127	29001880G	Media Basket Assembly (61cm)	V			D
128	29002700G	Packing assembly Jaguar132.		V		D
129	29003440G	A Shape roll Assembly - Vogue			V	B
130	29003484G	Accessory kit for Jaguar IV 183			V	D
131	29003494G	Switch Panel Assembly			V	C
132	29004253G	Main Part Packing Assembly-Jaguar III 183			V	D
133	29004380G	2.54-3Pin M/B to paper sensor Cable 130mm Assembly	V	V		Z
134	29004381G	2.54-3Pin M/B to paper sensor Cable 850mm Assembly			V	Z
135	29004678G	Unit chassis assembly	V			D
136	29004680G	Carriage assembly	V	V		A
137	29004682G	Unit chassis assembly		V		X
138	29004854G	Paper Sensor Assembly-Jaguar II & Jaguar III & Jaguar IV	V	V		A
139	29004856G	Paper Sensor Assembly			V	A
140	29005315G	Unit chassis assembly			V	X

1.10 Jaguar IV parts used on all size models – Parts List

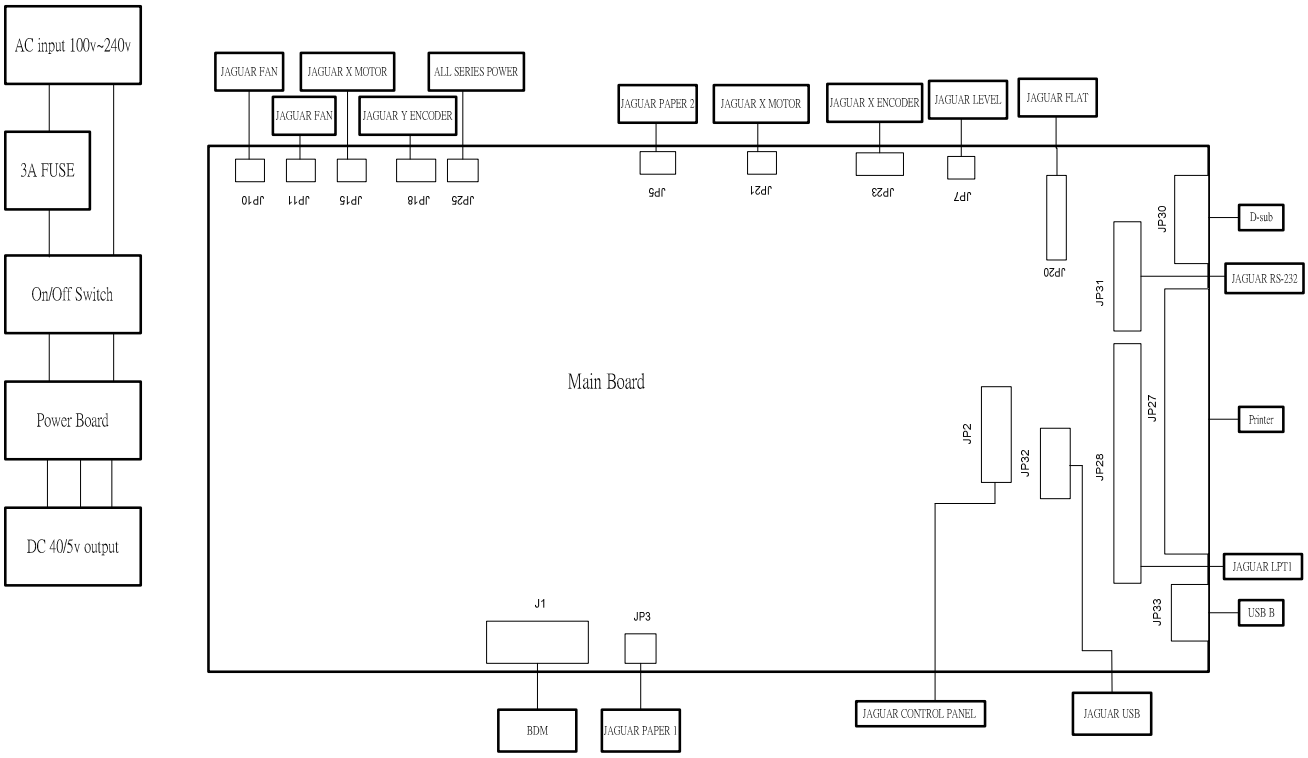
Item	Part no.	Description	Jaguar IV 61 (Mutoh VC-600)	Jaguar IV 132S (Mutoh VC-1300)	Jaguar IV 183S (Mutoh VC-1800)	Remark
141	29005316G	Carriage assembly			V	A
142	29005445G	Main Beam Assembly		V		X
143	29005447G	Main Beam Assembly	V			X
144	29005570G	Stand Assembly (183cm)			V	D
145	29005958G	Roller Holder	V			C
146	29005960G	Roller Holder		V		C
147	29005961G	Roller Holder			V	C
148	29005992G	Grid drum Assembly			V	X
149	29006250G	Main Beam Assembly			V	X
150	290071420G	Flat cable assembly for 132 model (195cm)		V		A
151	290071450G	Flat cable assembly J4-183S & Vogue . (2500mm)			V	A
152	290071460G	Flat cable Assembly Jaguar II & Jaguar IV 61. (120cm)	V			A
153	290073020G	Media basket Assembly(61cm)(Mutoh)	V			D
154	290073030G	Media basket Assembly(132cm)(Mutoh)		V		D
155	290073040G	Media basket Assembly(183cm)(Mutoh)			V	D
156	290073070G	Stand Assembly (132cm)(Mutoh)		V		D
157	290073080G	Stand packing Assembly (61cm)(Mutoh)	V			D
158	290073090G	Packaging Assembly of Simple Stand (183cm)(Mutoh)			V	D
159	290073590G	Stand packing Assembly (183cm)(Mutoh)			V	D

2. System Diagram and Components of Main Board

2.1 Jaguar IV System Diagram



2.2 Jaguar IV Wiring Diagram



3. Maintenance

This chapter deals with component replacement and maintenance of the Jaguar Cutting Plotter. It gives detailed step-by-step instruction on how to replace or adjust the components of this machine.

3.1 Components Replacement and Belt Tension Adjustment

3.1.1 Removing the Front, Back, End and Top Covers

The following steps are those involved in removal of the front, back, end and top covers.

To Remove the End Covers:

1. Remove the end cover screws.

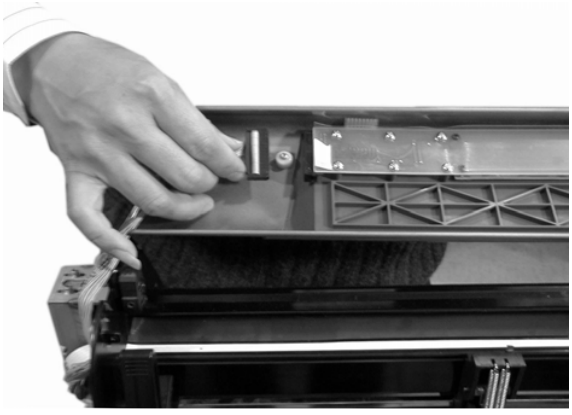
2. Put equal pressure on both sides of the End Cover and pull to remove.

To Remove the Front and Back Covers :

1. Unscrew the 7 Front Cover and 7 Back Cover screws

To Remove the Top Cover:

Unscrew the two screws at each end of the Top Cover.



Unplug the Control Panel Cable before removing the top cover completely.

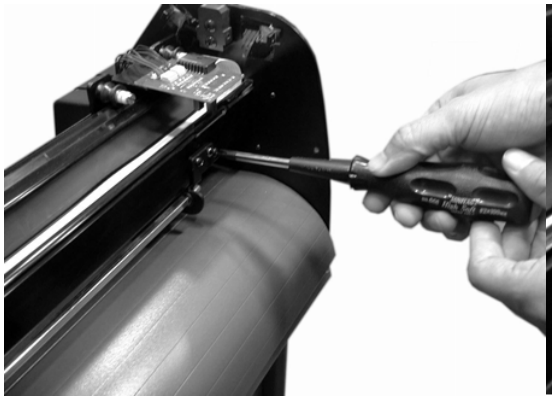
3.1.2 Replacing the Pinch Roller Sets

The following steps are those involved in replacing pinch roller sets.

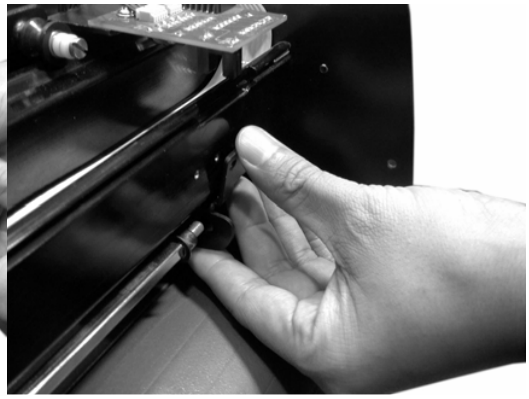
To Unlatch the Pinch Roller Lever:

Pull down the Square Bar Lever to unlatch the Pinch Rollers

To Remove the Square Bar Holding Bracket:

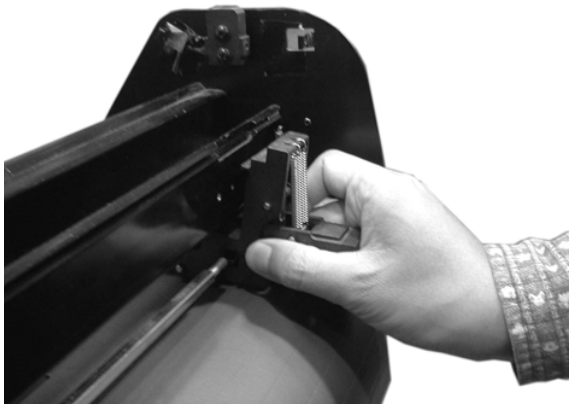


Unscrew the 2 bracket screws.

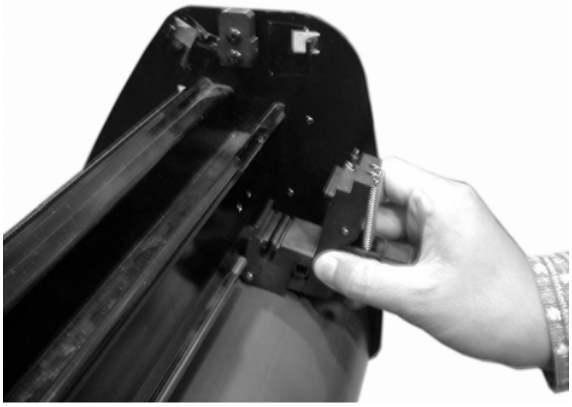


Remove the bracket and washer.

To Remove the Pinch Roller Sets:



Slide the pinch roller to the notch at the right end of the Square Bar.



Remove the pinch roller set through the notch.

Note: When re-installing the Pinch Roller Set, the Cam Roller must be aligned squarely to the Square Bar.

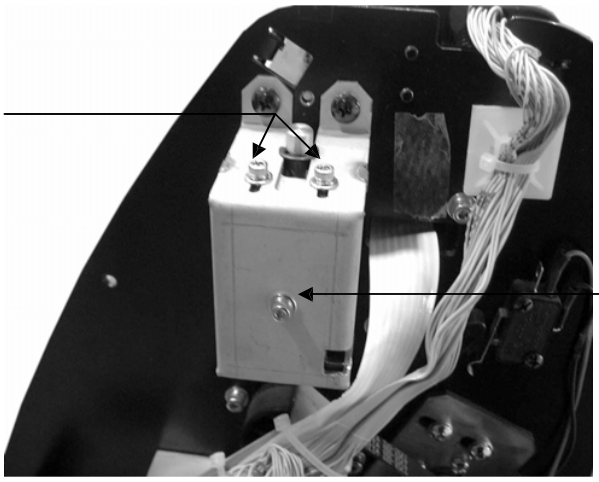
Note: When aligning the Cam Roller please remember to keep the release grip locked down.

3.1.3 Replacing the Tool Carriage

The following are those you must follow to successfully replace the Tool Carriage.

To Loosen the Carriage Belt:

Retaining Screws



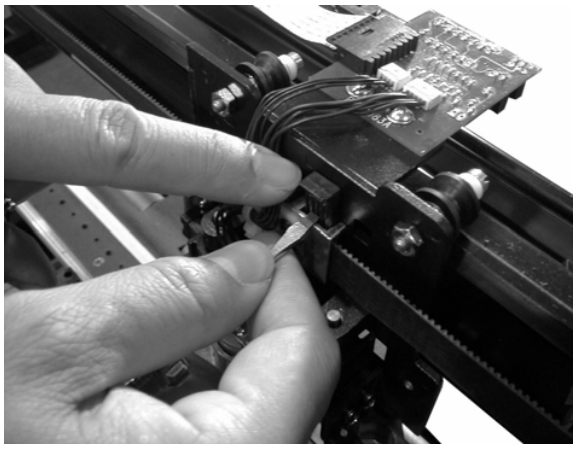
Adjustment Screw

Unscrew the 2 retaining screws, but don't remove them. Then turn the Adjustment Screw anti-clockwise to loosen the carriage belt.

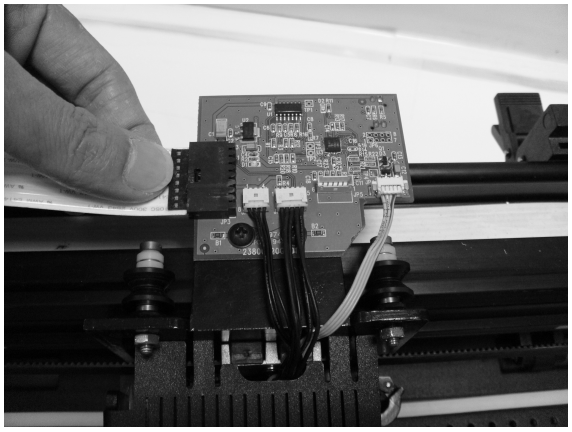
To Remove the Tool Carriage cover:

Depress the two locking clips at the top of the Tool Carriage Cover and pull the Cover away.

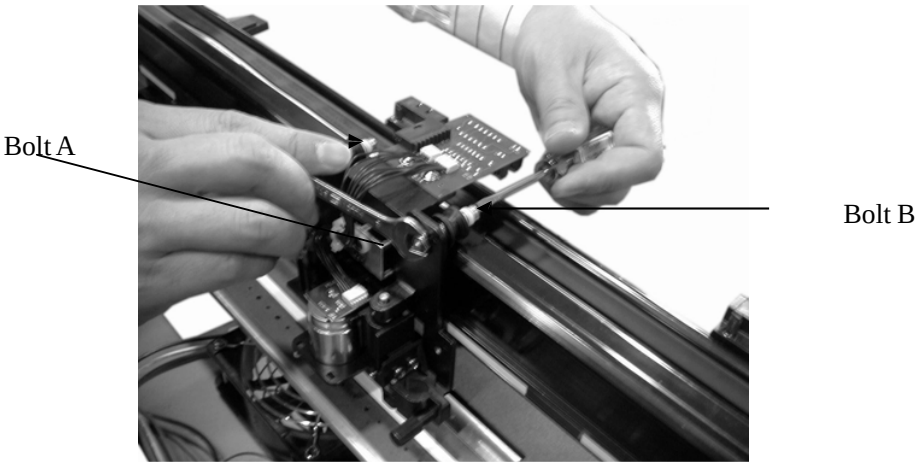
To Prepare the Tool Carriage for Removal:



Pop up the plastic locking pins using a flathead screwdriver.

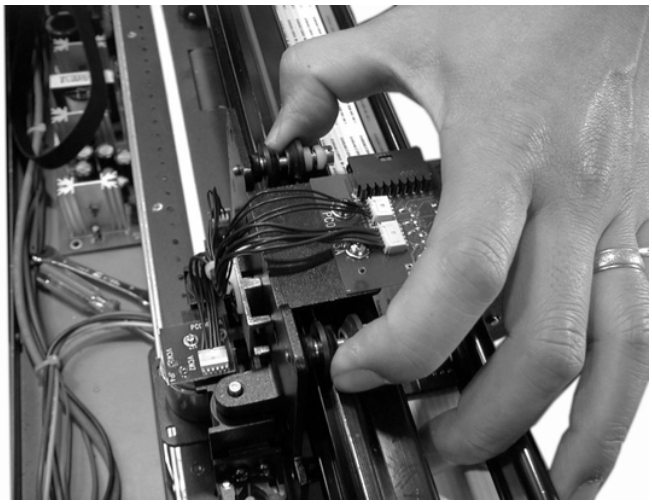


Disconnect the Flat Sensor Cable.



Unbolt and remove nut A and B, and then unscrew both Bolt A and Bolt B until they are flush with the bracket.

To Remove the Tool Carriage:



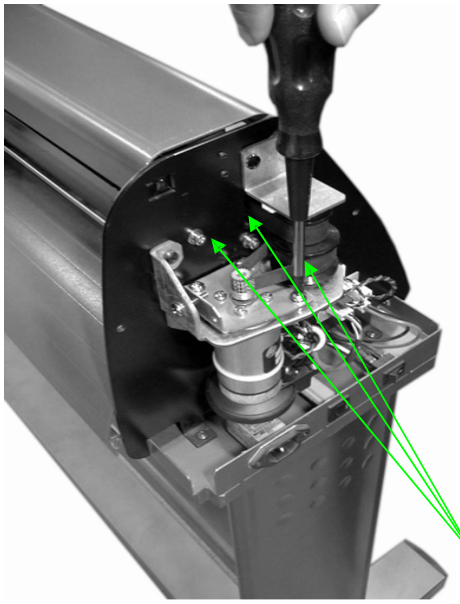
Separate the Sprung Washer/Rollers as seen in the figure above.

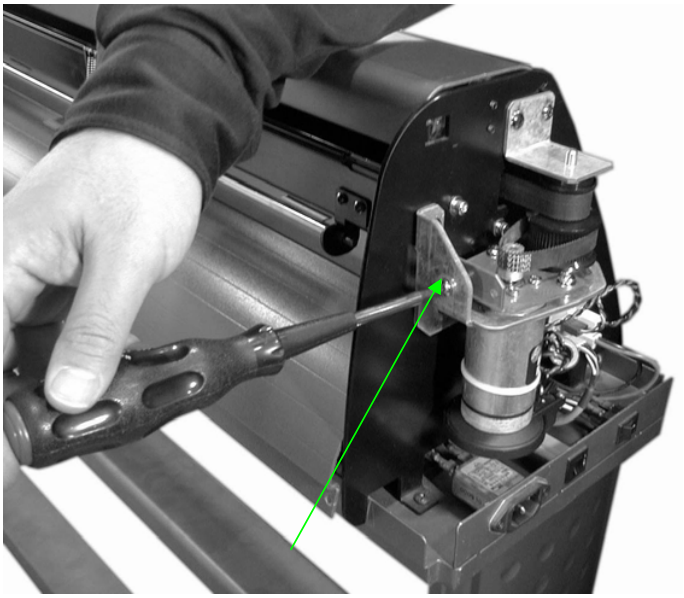
Swing the Tool Carriage down and out while keeping the Sprung Washer/Rollers apart.

Note 1. To install a new Tool Carriage or replace the original Tool Carriage simply reverse the steps for Tool Carriage removal.
2. Remember to separate the Sprung Washer/Rollers, and then place them on the Carriage track before you swing the Tool Carriage back into place

3.1.4 Replacing the Y-Motor

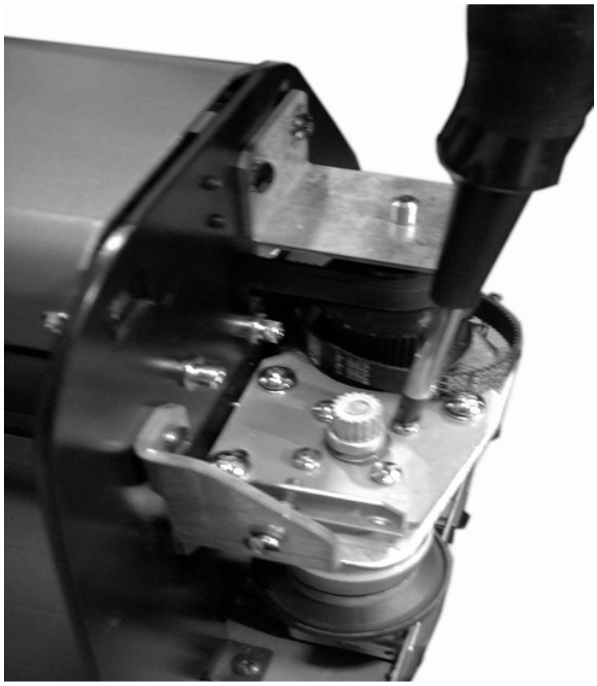
The following steps are those involved in the replacement of the Y-motor.



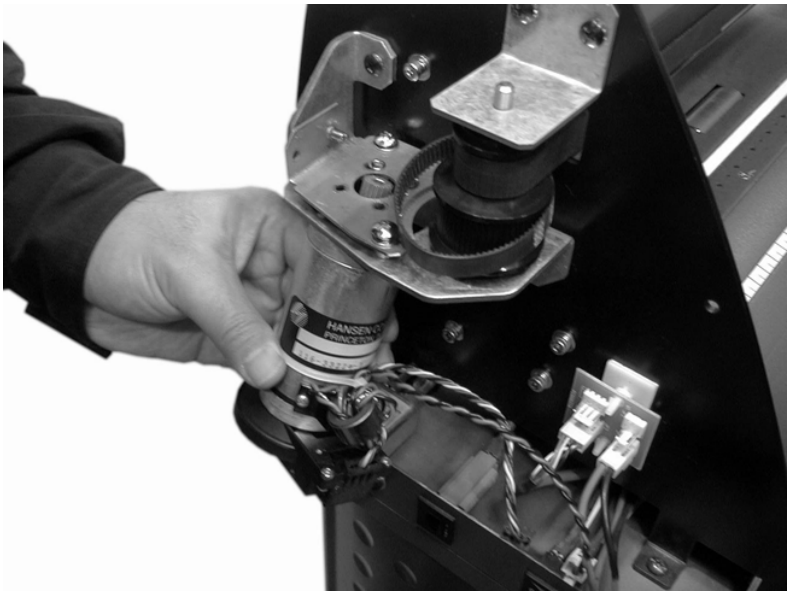


1. Loosen the all 3 tension-bracket retaining screws as well as the tension adjustment screw, but do not remove them.

2. Depress the jumper clips, and pull to unplug the 2 Y-motor Jumpers.



3. Lift the belt off of the Y-motor then unscrew and remove the 4 motor screws.



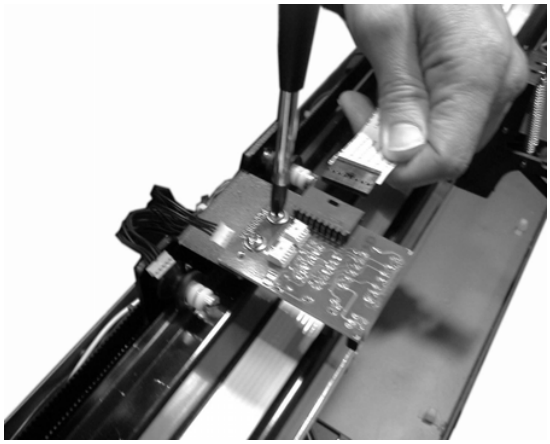
Note 1: To install or replace the Y-motor, simply reverse the steps to remove it.

Note 2: After the Y-motor is in place, you must adjust the Y- motor belt tension as described in the Y-motor belt tension adjustment section of this chapter.

Note 3: Make the Y-motor jumper reconnection the last step after the Y-motor tension belt adjustment when you have finished installing or replacing the Y-motor.

3.1.5 Replacing the VCM PC Board

The following is what is involved in replacement of the VCM PC board.



Unplug the two sensor connectors, and then unscrew the two PC board screws to remove the board.

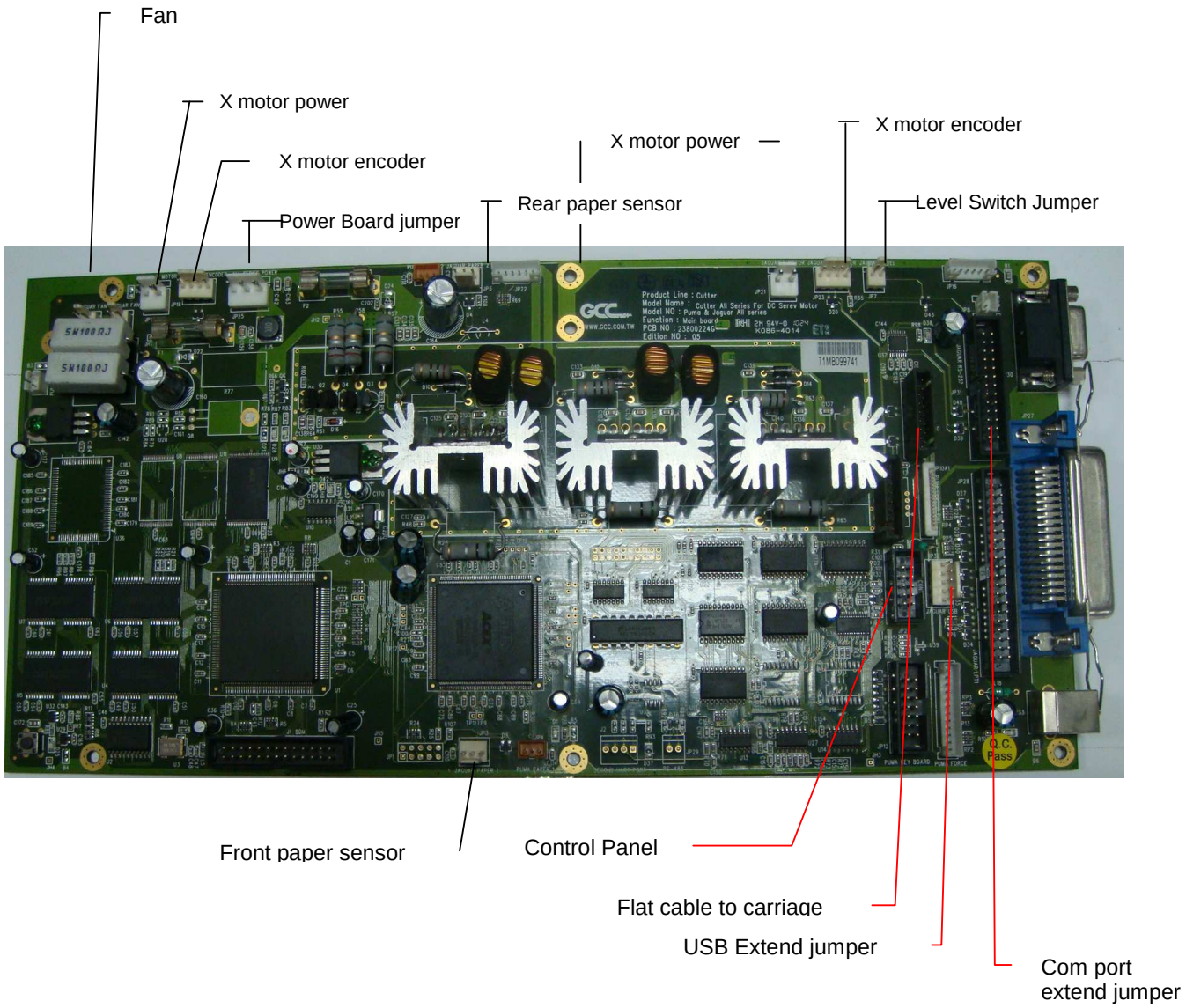
Note：If the Pinch Roller Sensor is still not effective after replacement the Tool Carriage or the Flat Cable may need replacement.

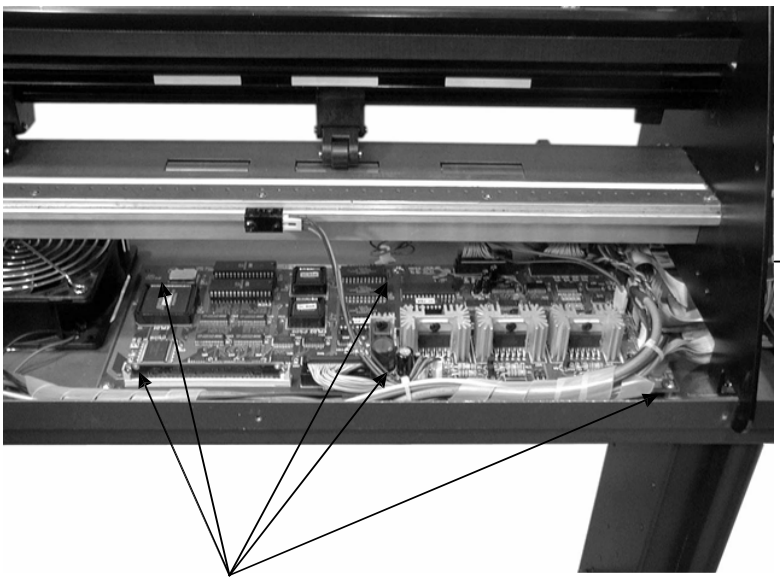
3.1.6 Main board Connection or Replacement

Main board connection or replacement must follow the following steps to be sure that no damage comes to either service personnel or the components:

Note: To ensure absolute safety for service personnel and components, please follow the safety instruction at the beginning of this manual, before installing or replacing any current carrying components

1. Unplug all of the jumpers and connectors attached to all off board components.
   (Note: Please refer to the Jaguar Wiring Diagram for more detail on jumper and connector attachment)





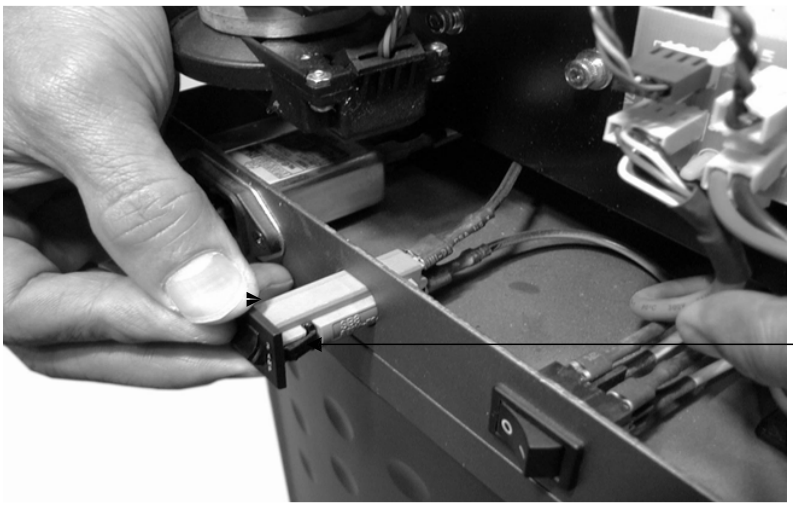
2. Unscrew and remove the 5 restraining screws, and the pop out support to completely remove the main board.

Note: To install or replace the main board simply reverse the steps to remove it.

3.1.7 Replacement of Fuses

The Fuse pops out for easy replacement as follows:

Holding clip



Holding clip

With your fingers apply equal pressure to both of the holding clips on the Fuse housing, and push it out.

3.1.8 Adjusting the Tool Carriage Transmission Belt

When you replace the tool carriage or belt itself, the belt tension needs to be adjusted to 150g. This is done as follows:

1. Move the tool carriage to the far left end of the guide beam after the tool carriage or belt being replaced.

.

2. Loosen the 2 retaining screws on top of the carriage belt roller housing.

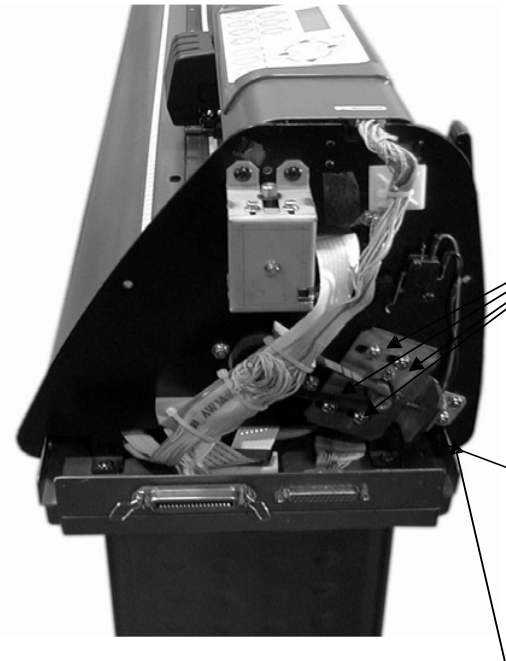
3. Use a tension gauge to measure the belt's tension by placing the gauge's push arm to the center of

4. To change belt tension adjust the belt tension screw on the side of the carriage belt roller housing.

5. To tighten the tension, turn the belt tension screw clockwise. To loosen the tension turn the belt tension screw anticlockwise, until the desired adjustment tension is reached. The desired tension is 150g

Note: Fasten the retaining screws on the top of the carriage belt roller housing once the adjustment is made

3.1.9 Adjusting the X Motor Tension Belt



1. Loosen the 4 retaining screws locking the X-motor bracket in place.

2. Place the push-pull tension gauge's hook-arm at the hole of X motor bracket and pull the motor toward yourself along the direction parallel to the racket edge, and keep it at the 4kg tension position.

3. Tighten the 4 retaining screws to lock the bracket in place.

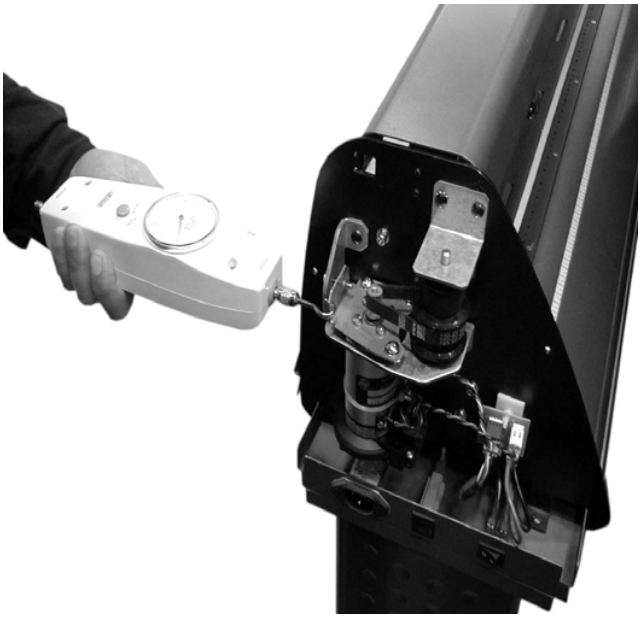
4. Fix the tension retaining screw

Note: The belt connecting the drum and X motor needs to be tightened to a tension of 4 kg.

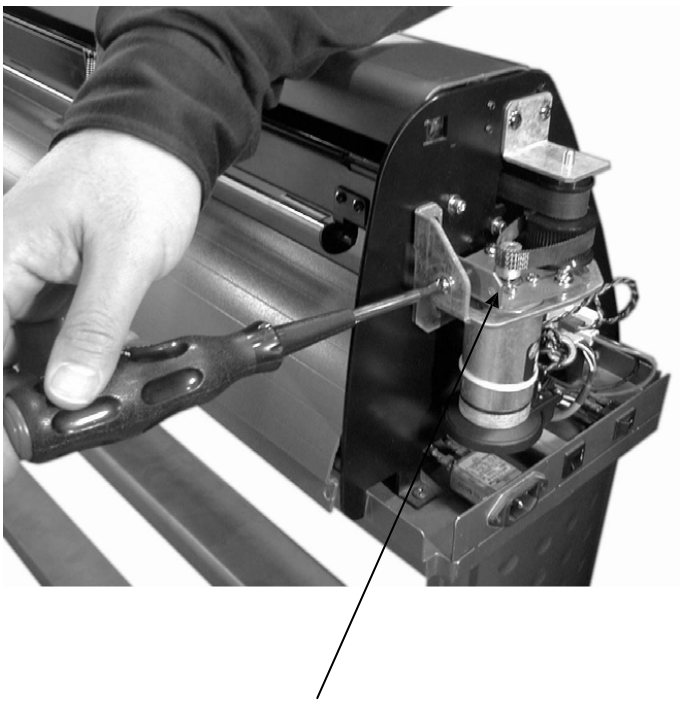
3.1.10 Adjusting the Y Motor Tension Belt

1. Loosen the 3 retaining screws locking the tension bracket in place but do not remove them.

2. Place the push-pull tension gauge's hook-arm at the hole of Y motor bracket and pull the motor toward yourself along the direction parallel to the line that passes through the motor shaft and the drive pulley shaft.



3. Once the desired tension is found tighten the 3 retaining screws to lock the tension bracket in place.



4. Tighten the tension screw to retain the tension.

Note: The belt connecting the drive pulley and Y motor needs to be tightened up with a tension of 4 kg.

4. Troubleshooting

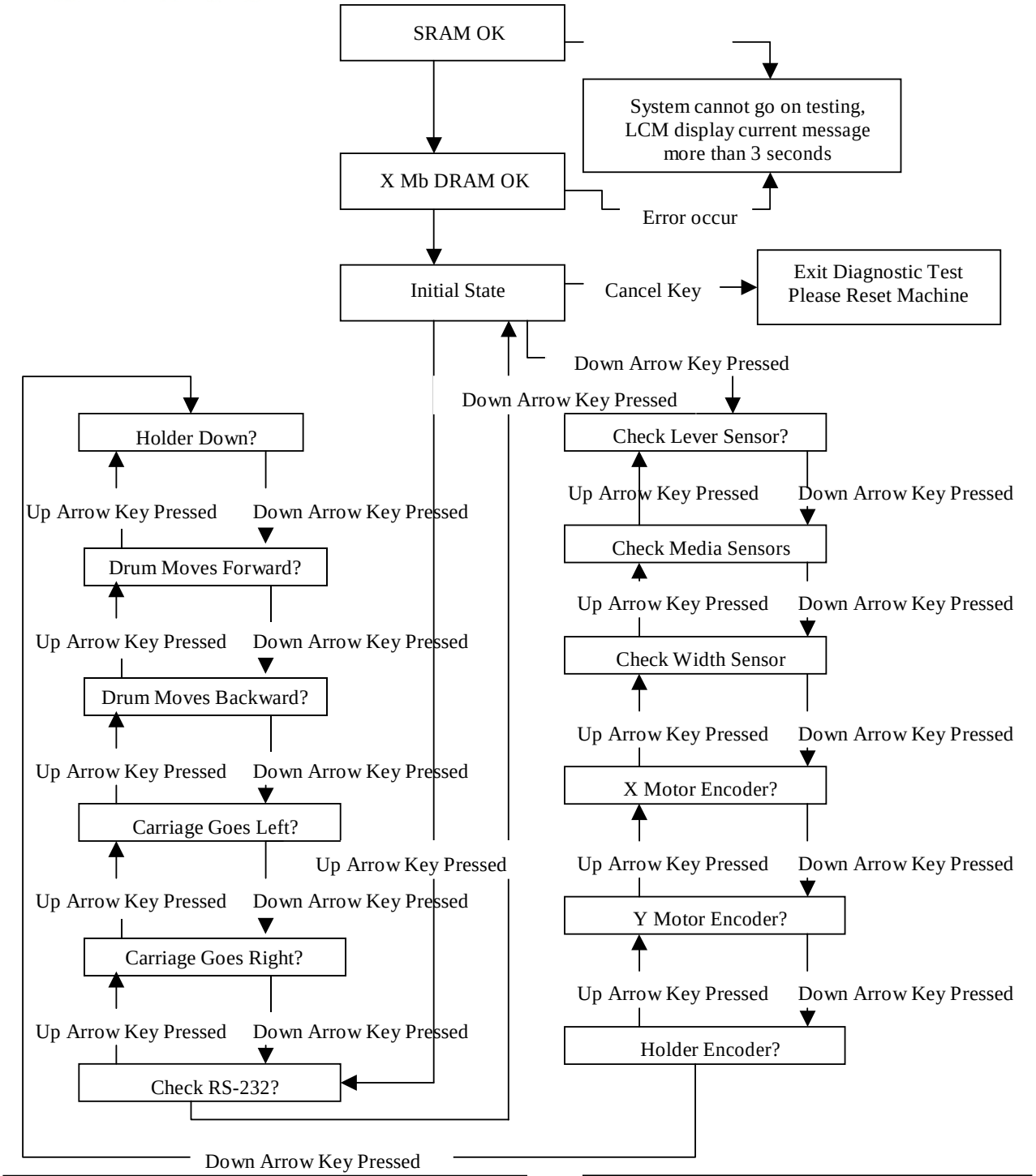
4.1 Maintenance Diagnostics

This section provides maintenance diagnostics as troubleshooting aids. This diagnostic feature is to check hardware to find out which components are good or defective. Using this diagnostic test facility enables the diagnosing of the hardware components.

- How to Begin Maintenance Diagnostics
- Diagnostic test for the media sensors
- Diagnostic test for the width sensor
- Diagnostic test for the motor encoder and tool holder encoder
- Diagnostic test for Tool Force (VCM)
- Diagnostic test for motor movement
- Diagnostic test for the RS-232 interface
- Problems and Solutions

4.1.1 How to Begin Maintenance Diagnostics

To start the Maintenance Diagnostics facility hold down the On/Off Line button and CUT TEST button while turning on the cutter.
The following sub-sections will explain the function of each maintenance diagnostic sequence.



This is a flow chart of the control system tests.

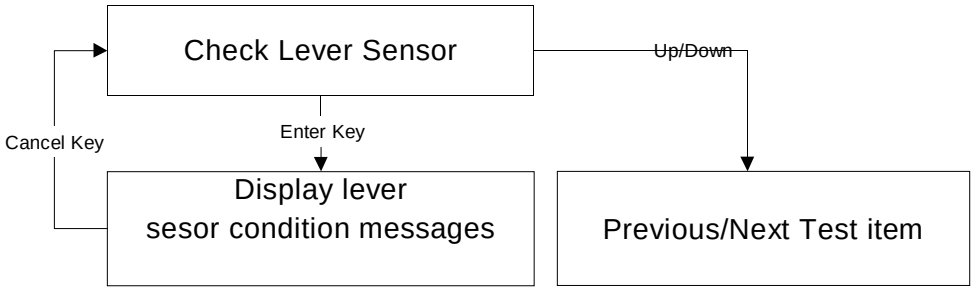
Note: X may be 16Mb of DRAM

4.1.2 Diagnostic Test for SRAM and DRAM

This test provides the ability to diagnose the SRAM and DRAM. If these two components are bad, replace them. Otherwise the cutting plotter will not work properly.

4.1.3 Diagnostic Test for Lever Sensor

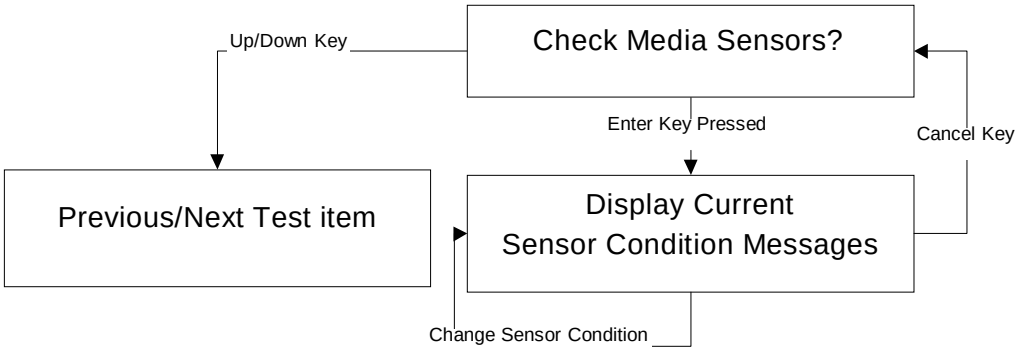
This feature diagnoses the lever sensor. If the sensor is faulty, the cutting plotter cannot sense that the pinch rollers have been lowered or not. If the lever sensor is down, you will see a lift the lever message on the LCM. If the lever is up, you will see a lower the lever message on the LCM. You can use the ON/OFF LINE KEY to abort your test when you have finished the lever sensor test.



Note that: LCM will display one of following messages
1.Lower The Lever Please CANCEL
2.Lift The Lever Please CANCEL
The first message means that the current lever condition is up
The second message means the lever is down

4.1.4 Diagnostic Test for Media Sensors

This test is to diagnose the media sensors. If they are faulty, the cutting plotter cannot detect the media length correctly. You can see the current front and rear sensor condition, you can turn it on or off to see if sensors are out of order or not.

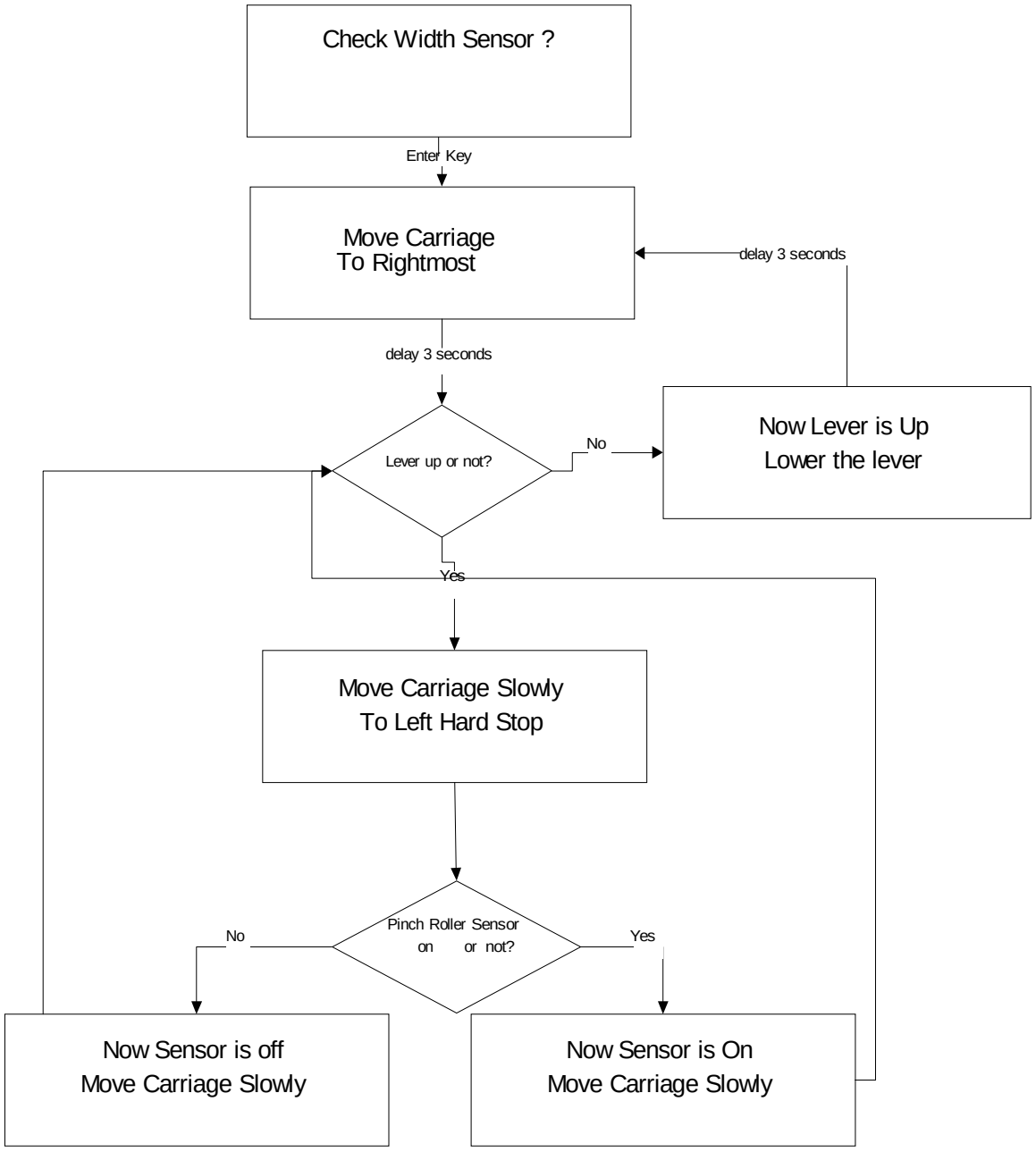


Note that: the LCM displays one of following messages

1.Now Open Front Eye Cover Rear Eye CANCEL
2.Now Cover Front Eye Open Rear Eye CANCEL
3.Now Open Front Eye Cover Rear Eye CANCEL
4.Now Cover Front Eye Cover Rear Eye CANCEL

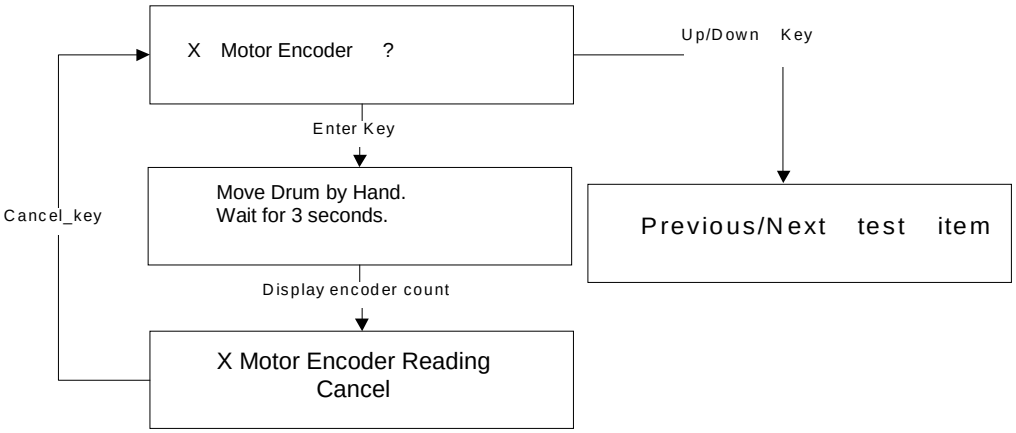
4.1.5 Diagnostic Test for Width Sensor

If the sensor is faulty, the cutter cannot sense the media width correctly. Refer to the maintenance chapter to replace it. You must first move the tool carriage to the rightmost position; the lever must be down to do this. Once this is done please move the tool carriage to left. Be careful when moving the tool carriage close to the pinch roller, since the message changes quickly when sensor is between on and off.

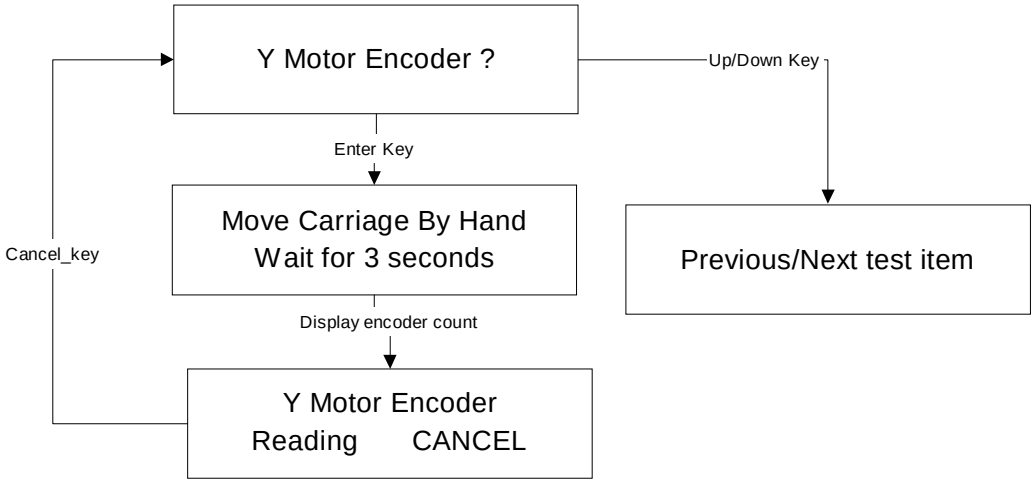


4.1.6 Diagnostic Test for Motor Encoder and Tool Holder Encoder

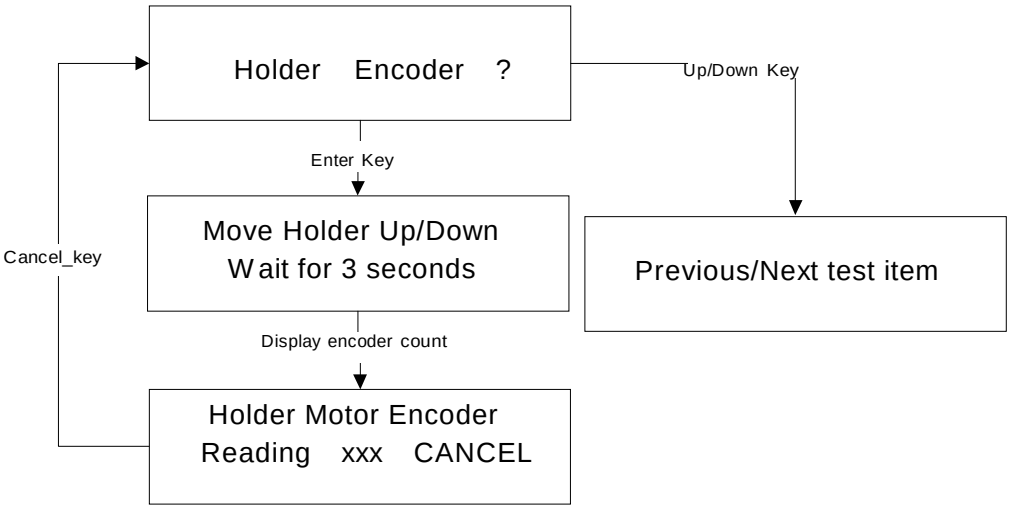
This feature provides the ability to diagnose the X and Y motor encoder and tool holder encoder. If the encoder is defective, the cutting plotter cannot work properly. To check if the encoder is bad or good, you can apply a slight force to the tested part (such as a drum, the tool carriage or the tool holder) then examine the readings. If the encoder reading changes dramatically, the encoder is bad. Refer to the maintenance chapter to replace the motor or tool carriage.



X Motor Encoder Test



4.1.7 Y Motor Encoder Test



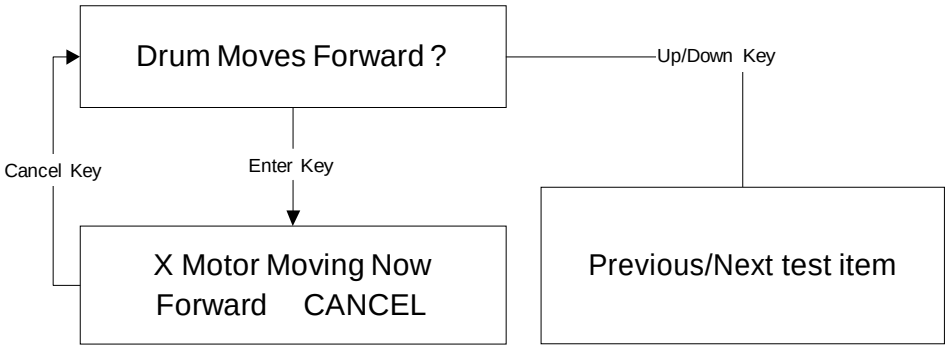
4.1.8 Diagnostic Test for Tool Force (VCM)

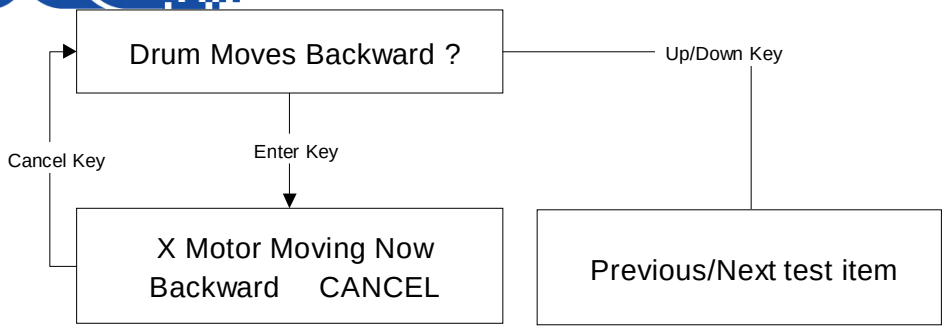
This test is to diagnose the VCM. If the VCM is bad, the tool carriage cannot perform the up/down action that generates the tools force on the material.

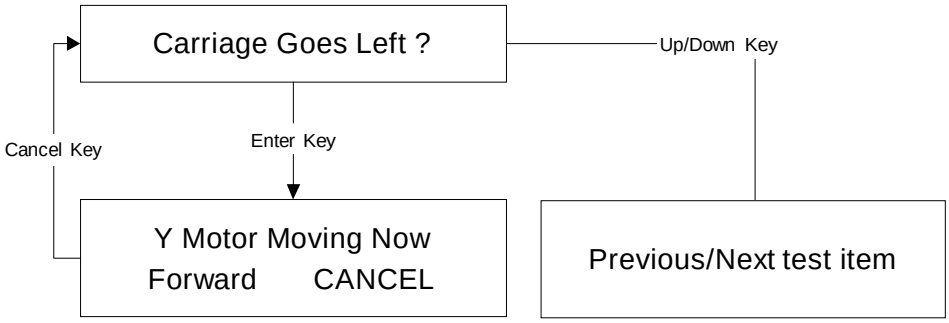
Note: VCM means Voice Coil Motor that generates tool force

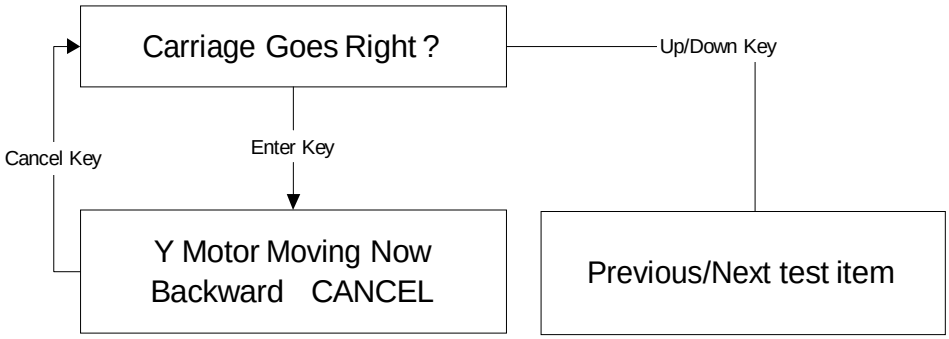
4.1.9 Diagnostic Test for Motor Movement

This feature is to diagnose the X and Y motors and drivers. If you encounter a motor movement problem, try to change the main board first. If the problem still remains after replacing the main board, try replacing the motor.



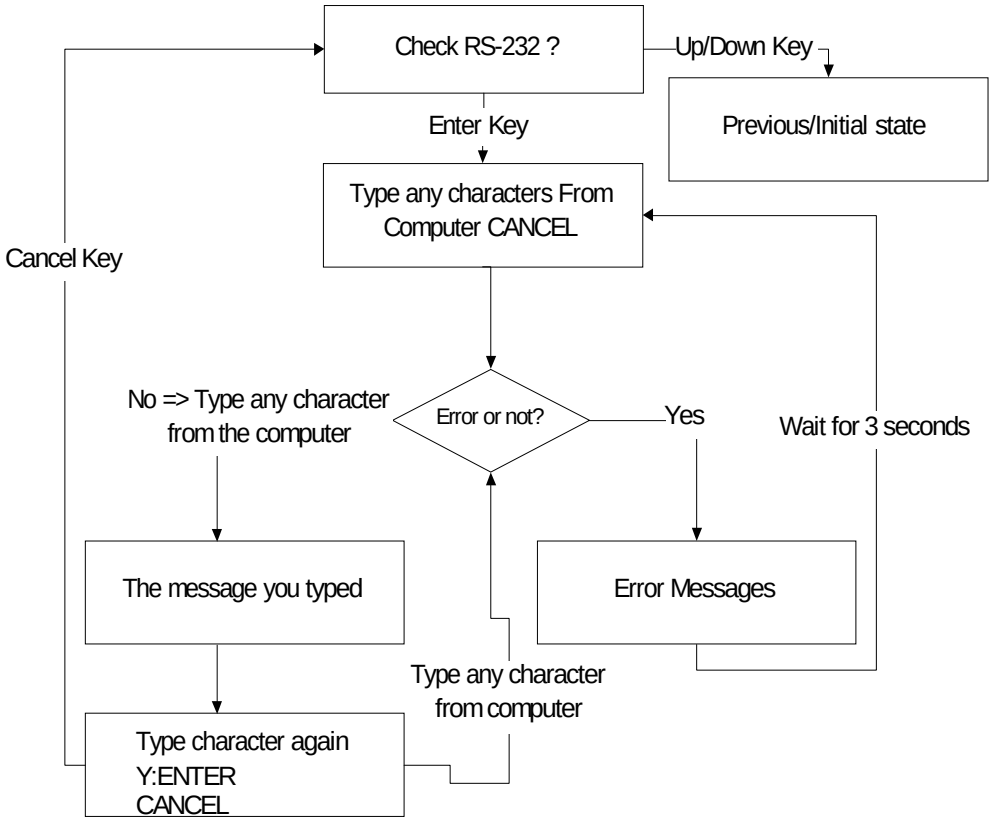






Note: The X motor controls the Drum. The Y motor controls the Carriage.

4.1.10 Diagnostic Test for the RS-232 Interface



Note that: Do not press keys too quickly, or it may cause an overrun error

4.2 Problems and Solutions

This section discusses typical problems you may encounter while operating the cutting plotter and offers you possible solutions

1. **The line quality is not good enough at the corner or the end point.**

   Causation and recovery:
   a. Forgetting to fasten the tool (Fasten it.)
   b. The blade is worn. (Change it.)
   c. The offset value is wrong. (Correct the offset value.)
   d. Media is not flat enough. (Reload the media.)
   e. Media is wet. (Change it.)
   f. The quality of media is not good enough. (Change the media.)
   g. Drum or pinch roller is worn. (Change the drum set or pinch roller.)

2. **The position of pinch roller cannot be detected so that the media width cannot be determined correctly.**

   Causation and recovery:
   a. Forgetting to lower the pinch roller. (Enable the pinch roller and push the lever forward to lower down the pinch roller)
   b. The orientation of the width sensor on the carriage PCB is not correct. (Adjust the orientation of the carriage PCB)
   c. The position of the width sensor on the carriage PCB is too high to sense the block bar on the pinch roller. (Lower the carriage PCB)
   d. Flat cable is broken. (Change it.) Width sensor is damaged. (Change it.)
   e. Carriage PCB set is damaged. (Change carriage set.)

3. **The function of "Set New Origin" does not work**.

   Causation and recovery:
   a. The origin point will be set by pressing the ENTER button when the Jaguar is in an OFFLINE state, only then will the LCD display the distance between the new and old origin.

4. **Media shifts away when plotting a long drawing.**

   Causation and recovery:
   a. The media is not accurately aligned. (Reload the media.)
   b. Pre-run the media back and forth using the arrow key will help. (Reload the media and pre-run.)
   c. The edge of the media is not straight. (Change the media.)
   d. Media is too thin. (Change it.)
   e. Drum is coated with paper chips or dust. (Clean the surface of drum.)
   f. Drum or pinch roller is worn. (Change the drum set or pinch roller.)

5. **The lines quality is wavy.**

Causation and recovery:
a. Forget to fasten the tool fastening screw. (Fasten it.)
b. The blade is worn. (Change it.)
c. The acceleration is too high. (Set the acceleration to a lower value; please refer to the default value.)
d. The carriage belt tension is incorrect. (Adjust the belt tension.)
e. X or Y motor belt tension is incorrect. (Adjust the belt tension.)
f. The spring loading bearing of carriage is damaged. (Change the carriage set.)
g. The length of the media is too short in X direction. (Change the media.)
h. Media is too thin. (Change it.)
i. Drum or pinch roller is worn. (Change the drum set or pinch roller.)
j. X or Y motor is damaged. (Change it.)

6. **Data loses when plotting**.

Causation and recovery:
a. Memory chip is bad. (Change it.)
b. Main board set is bad. (Change it.)

7. **Fatal error occurs when loading media**.

Causation and recovery:
a. Forget to pull out some media from the media roll. (Pull out some media from the roll before you start to load media.)
b. X motor belt is too tight. (Adjust the belt tension.)

8. **Feel electrostatic discharge**.

Causation and recovery:
a. Power out let does not have ground connection. (Improve it.)

9. **Carriage locked, cannot move.**

Causation and recovery:
a. The spring loading bearing of carriage is damaged. (Change the carriage set.)
b. The carriage belt is too tight. (Adjust the belt tension.)
c. Some fasten screws are loose so that the shaft bearing of carriage belt drops. (Fasten the screws.)

10. **The keyboard does not work.**

Causation and recovery:
a. The connection between keyboard and main board is broken. (Re-plug the connector or change the keyboard set.)
b. Dust or moist surface makes a bad keyboard contact. (Change the keyboard set.)

11. **The machine makes noise when it is on the standby status.**

Causation and recovery:
a. The screws of tool carriage cover are loose. (Fasten the screws.)
b. X or Y motor belt is loose. (Adjust the belt tension.)
c. The carriage belt is loose (Adjust the carriage belt tension)
d. The driver board set is damaged. (Change it.)

12. **The machine makes abnormal noise from the drum set when it is running**.

Causation and recovery:
a. X or Y motor belt is loose. (Adjust the belt tension.)
b. The driver board set is damaged. (Change it.)
c. The gear at the left of drum set is not tightly mounted on the shaft. (Change it.)
d. The screws that fasten the drum to the shaft are loose. (Fasten the screws.)
e. X or Y motor is damaged. (Change it.)

13. **The tool carriage does not perform the up/down action**.

Causation and recovery:
a. The blade holder is not installed properly. (Re-install it, please refer to user's guide.)
b. The flat cable is broken. (Change it.)
c. The carriage PCB is damaged. (Change it.)
d. VCM is damaged. (Change the Carriage set.)
e. The encoder of the VCM is damaged. (Change the Carriage set.)
f. The driver board set is damaged. (Change it.)
g. The linear bearing shaft of VCM is rusty. (Change the Carriage set.)
h. The two small bearings clamp the linear bearing shaft too tight. (Adjust them).

14. **There are some unexpected lines on the final plot**.

Causation and recovery
a. The blade holder is not installed properly. (Re-install it; please refer to user's guide.)
b. The media is not flat enough.
c. Maybe there are some bubbles on the surface. (Re-load the media)
d. The fan cannot make enough airflow to suck the media. (Change the fan or driver board)
e. The carriage does not perform the up action. (Please refer to the previous paragraph)
f. The command of output file of cutting software package is not compatible with HPGL or HPGL/2. (Ask your cutting software package agent for help.)
g. There are some communication errors. (Check the communication protocol.)

15. There appears an unexpected tool force.

Causation and recovery:
a. The setting of tool force is wrong. (Reset the tool force.)
b. The blade length out of the blade holder is too short. (Re-load the blade.)
c. The initial force setting is wrong. (Reset the initial force. please contact the manufacturer.)
d. VCM is damaged. (Change the carriage set.)
e. VCM encoder is damaged. (Change the carriage set.)

16. Media drops sometimes.

Causation and to recovery:

a. Media is loaded askew. (Re-load the media.)
b. The position of pinch roller is not on the top of drum. (Move the pinch roller to a right position.)
c. The edge of media is broken. (Change the media.)
d. The front of media is not even. (Cut the front edge of the media evenly and reload the media.)
e. Drum is coated with paper chips or dust. (Clean the surface of drum.)
f. Drum or pinch roller is worn. (Change the drum set or pinch roller.)

5. Appendix

Jaguar Parts and Accessory List

Part no.	Level	Description	VC600 J4-61	VC1300 J4-132S	VC1800 J4-183S
29001804G	A	Motor Assembly (Jaguar/Ultra)	V	V	V
29002348G	A	Pinch roller Assembly	V	V	V
29005378G	A	2 in 1 Cutter main board with Jaguar IV firmware (for Service) - Jaguar IV	V	V	V
290069100G	A	Power Board of JIV-61(for service)	V		
290069130G	A	Power Board of JIV-132(for service)		V	
290069140G	A	Power Board of JIV-183(for service)			V
290072900G	B	Control panel assembly.(Mutoh)	V	V	V
29004369G	B	AASII carriage board assembly	V	V	V
234000330G	B	Control Panel Sticker.(Mutoh)	V	V	V
29004854G	B	Paper Sensor Assembly-Jaguar II & Jaguar III & Jaguar IV	V	V	
29004856G	B	Paper Sensor Assembly			V
290071460G	C	Flat cable Assembly Jaguar II & Jaguar IV 61. (120cm)	V		
290071420G	C	Flat cable assembly for 132 model (195cm)		V	
290071450G	C	Flat cable assembly J4-183S & Vogue . (2500mm)			V
29004680G	C	Carriage assembly	V	V	
29005316G	C	Carriage assembly			V
290067830G	D	Jaguar-61 series Front platen extention assembly (For service)	V		
290067850G	D	Jaguar-132 series Front planten assembly (For service)		V	
290074430G	D	Jaguar-183 series Front planten assembly (For service)			V
290067570G	D	Jaguar-61series Rear planten assembly (For service)	V		
290067590G	D	Jaguar-132 series Rear planten assembly (For service)		V	
290074440G	D	Jaguar-183 series Rear planten assembly (For service)			V
241005860G	D	Left cover Jaguar IV (Mutoh)	V	V	V
241005870G	D	Right cover Jaguar IV (Mutoh)	V	V	V
29005258G	D	Control Panel Board assembly(LMC-STC2A20DRG-011)	V	V	V
29005256G	D	Watch dog-Interface converter board Assembly	V	V	V

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Customer Service Request Form

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Company Name：					
Contact Person:		**Phone：**	**Fax:**		
Address:					
Product Name:	**Model Number:**	**Serial Number：**	**Date of purchase:**		

Part No：	**Part Name.：**	**Qty**	**Payment**	**U/Price**	**Ship date**
			☐F.O.B ☐F.O.C ☐SAS		
			☐F.O.B ☐F.O.C ☐SAS		
			☐F.O.B ☐F.O.C ☐SAS		
			☐F.O.B ☐F.O.C ☐SAS		
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			☐F.O.B ☐F.O.C ☐SAS		
			☐F.O.B ☐F.O.C ☐SAS		

Problem Description：

Correct Action Taken & Current Condition：

Comment ：(below filled out by G.C.C)

Shipping way: ☐ EMS ☐ DHL ☐ UPS ☐ FEDEX ☐ With Sales Order ☐ Others:

Freight Charge : ☐ Collect ☐ G.C.C ☐ Deduct SAS ☐ Sales

● Please sign back to confirm your service request.
● Product S/N is essential, without the number, your service can not be proceeded.

Customer Signature **GCC Customer Service**

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