H-427 / H-436 Thermal Transfer Printer Parts / Service Manual

AUTO SENSING PAGE 39





11-2007

Specifications	3
Parts Listing	4
2.01 General Overview	4
2.02 Covers	5
2.03 LCD Panel Module	6
2.04 Main Board	7
2.05 Platen Roller	8
2.06 Motor Module	9
2.07 Thermal Printhead Module	10
2.08 Label Gap Sensor Parts	11
2.09 Ribbon Module	12
2.10 Label Supply Guide	13
2.11 Power Switch	14
2.12 Optional-Cutter Parts	15
2.13 Ethernet (Optional) and Parallel Ports Parts	16
2.14 Optional- Internal Rewind Parts	17
Exploded Diagrams and Parts Lists	
3.01 MAIN ASSEMBLY	18
3.02 PRINT MECHANISM	21
3.03 RIBBON MODULE	25
Ethernet Installation	
Appendix A. Communication Interfaces	
Parallel Interface	29
Serial Interface	29
USB Interface	

PS/2 Interface	30
Optional Applicator Interface	30
Appendix B. Error Messages/Troubleshooting	31
Self-Test	31
Dump Mode	31
LCD Error Messages and Descriptions	32
Problems and Recommended Solutions	33
Appendix C. Maintenance and Adjustment	
Thermal Printhead Cleaning	34
Printhead Module Installation / Removal Instructions	35
Printhead Print Line Adjustment	36
Thermal Printhead Balance Adjustment	37
Ribbon Tension Adjustment	37
Ribbon Shield Adjustment	38
Auto Sensing	39
Upgrading the Printer's Firmware	39
Downloading True Type Fonts to the Printer's Flash Memory	40
Clearing Cutter Jams on the H-400 Series Cutter	42
Cleaning Adhesive from the H-400 Series Cutter Blade	42

Specifications

MODEL H - 427 H - 436		H - 436	
Resolution	203 dpi (8 dot/mm) 300 dpi (12 dot/mm)		
Print Mode	Thermal Transfer / Direct Thermal		
CPU	32 Bit		
Memory	4MB Flash, 16MB SDRAM	-	
Print Speed	50.8 mm (2") ~ 177.8 mm (7")/sec	50.8 mm (2") ~ 152.4 mm (6")/sec	
Print Length	5 mm (0.20") ~ 4572 mm (180")	5 mm (0.20") ~ 2159 mm (85")	
Print Width	13 mm (0.51") ~ 104 mm (4.09")	13 mm (0.51") ~ 105.7 mm (4.16")	
Sensor Type	Moveable transmissive sensor and reflective	e sensor; left aligned	
Sensor Detection	Type: Label gap and black mark sensing Detection: Label length auto sensing and/or	program command setting	
Media	Label Roll: Max. 203 mm (8.0") Core Diameter: 38.1 mm (1.5") ~ 76.2 mm (3") Width: 25.4 mm (1") ~ 118.00 mm (4.64") Thickness: 0.06 mm (0.002") ~ 0.25 mm (0.009")		
Ribbon	Length: 450 m (1471') Type: Ink inside or ink outside thermal trans widths of 30 to 110 mm (1.18" to 4.33"). Con ribbon roll diameter 76 mm (2.99").	fer ribbons (wax, resin and wax/resin) in re inner diameter 25.4 mm (1"). Maximum	
Printer Language	TPL (Tharo Programming Language)		
Software	EASYLABEL [®] Start		
Soltware	Microsoft Windows Drivers, CUPS (Commo	n UNIX Printing System) Driver	
Resident Fonts	11 resident alphanumeric fonts (including OCR A & B), are expandable eight times horizontally and vertically. Scalable Font (Code Page 850 & 852)		
Downloadable Fonts	Windows Bit-map fonts, TrueType fonts and Asian fonts		
Image Handling	BMP and PCX		
Bar Codes	Code 39, Code 93, Code 128 (subsets A, B, C), UCC/EAN-128, UPC-A, UPC-E, UPC and EAN 2 or 5 digit extensions, I 2 of 5, EAN-8, EAN-13, Codabar, Postnet, DUN 14, MaxiCode, Plessey, Telepen, FIM, China Postal Code, RPS 128, PDF417, Data Matrix &		
Interfaces	RS-232 (Baud rate 4800 ~ 115200, XON/XOFF, DSR/DTR) USB (2.0) CompactFlash card slot Parallel		
Control Panel	Backlit LCD Display: 128 dot x 64 dot Grap Three single-color LEDs: Power, Ready, En Three Control Keys: Feed, Pause, Cancel	hical LCD rror	
Power	Auto Switching 110/240VAC, 50/60 Hz		
Real Time Clock	Standard		
Environment	Operation: 32° F to 104° F (0° C to 40° C) Storage: -40° F to 122° F (-20° C to 50° C)		
Humidity	Operation: 30-85%, non-condensing. Free air. Storage: 10-90%, non-condensing. Free air.		
Printer Dimensions	Printer Dimensions Width: 274 mm (10.78") Weight: about 15 Kg (33.1 lbs)		
Options	Cutter Internal Rewind Ethernet Adapter Applicator Interface PA2000, PA1200 or PA500w Applicator EASYLABEL Silver, Gold, Platinum or Multi-User		

Parts Listing

2.01 General Overview



Item	Part No.	Description	Remarks
1	700-050000-001	LABEL ROLL GUIDE	
2	Part Group	RIBBON MODULE	
3	Part Group	MECHANISM	
4	700-031903-021	BOTTOM FRONT COVER	
5	700-031703-031	LEFT PANEL	
6	720-058000-010	TOP RIGHT COVER	

2.02 Covers



NOTE: Use Part Number 023-22P013-060 for LCD Front Panel (left) #4 NOTE: Use Part Number 023-22P011-060 for Front Panel (upper right) #2 NOTE: Use Part Number 023-22P015-060 for Front Panel Kit (lower right) #3

Item	Part No.	Description	Remarks
1	720-058000-010	TOP RIGHT COVER	
2	700-031803-021	TOP RIGHT PANEL	
3	700-031903-021	BOTTOM FRONT COVER	
4	700-031703-031	LEFT PANEL	
5	720-058100-010	TOP LEFT COVER	

2.03 LCD Panel Module



NOTE: Use Part Number 023-22P017-060 for replacement Strip Sensor Assembly NOTE: Use Part Number 023-22P014-060 for replacement LCD Front Panel

	Part No.	Description	Remarks
1. LC	D Left Panel Module Pa	irts	
1	700-041000-001	LCD PANEL	
2	755-006300-010	NAME PLATE	
3	700-031703-031	LEFT PANEL	
4	160-000103-030	LCD BOARD ASSEMBLY	
5	765-230085-245	TAPPING SCREW/T/BK/3*8(TAP/III)	
2. Str	2. Strip Sensor Module Parts		
6	700-036003-011	STRIP PCB BOX	
7	160-000114-001	STRIP SENSOR ASSEMBLY	
8	775-620307-063	E-RING/Ф3.0*Ф7.0*0.6t/mm	
9	765-217054-145	TAPPING SCREW/P/NI/1.7*5(TAP/III)	
10	745-001800-000	MYLAR PLATE	
11	227-126004-060	HOUSING 254FC-26Px2	
12	765-230085-245	TAPPING SCREW/T/BK/3*8(TAP/III)	

2.04 Main Board



Part N	No.	Description	Remarks
1	710-045100-000	MIDDLE PLATE	
2	023-22P006-060	MAIN PCB ASSEMBLY	
3	765-130064-142	MACHINE SCREW/P/NI/M3*6	
4	160-100019-000	RIBBON SENSOR OUT ASSEMBLY	

2.05 Platen Roller



NOTE: Use Part Number 023-22P009-060 for replacement Platen Roller Assembly

Part N	No.	Description	Remarks
1	700-045800-001	PLATEN-BUSHING-CAP (NL66/Green)	
2	775-620409-063	E-RING/Ф4.0*9.0*0.6t/mm(BK)	
3	715-012608-100	GEAR/26T*M0.8 (NL66)	
4	775-620511-063	E-RING/Ф5.0*Ф11*0.6t/mm	
5	775-C60609-053	GRAPHITE WASHER/Ф6.2*9.5*0.5t	
6	730-000800-000	PLATEN BUSHING(BRONZE)	
7	705-002100-000	PLATEN	
8	765-120052-140	MACHINE SCREW/I/NI/M2*5	
9	775-520610-013	WAVE WASHER / Ф6.8* Ф10.6* 0.15t/mm	

2.06 Motor Module



NOTE: Use Part Number 023-22P016-060 for replacement Motor Kit

Part N	No.	Description	Remarks
1	765-140104-141	MACHINE SCREW/P/NI/M4*10	
2	220-345602-104	MOTOR/4S56Q-03554SE	
3	725-046500-001	MOTOR PLATE (SECC 2.0t)	
4	765-140064-142	MACHINE SCREW/P/NI/M4*6	
5	725-046600-001	MOTOR BRACKET (SECC 1.6t)	
6	715-032522-100	GEAR DOUBLE HUB MXL-025/22T	
7	715-032522-101	GEAR MXL-025/22T	
8	775-620409-063	E-RING/Ф4.0*9.0*0.6t/mm(BK)	

2.07 Thermal Printhead Module



Part No.	Description	Remarks
023-22P005-060	TPH MODULE 203dpi	203dpi
023-23P001-060	TPH MODULE 300dpi	300dpi

2.08 Label Gap Sensor Parts



NOTE: Use Part Number 023-62P009-060 for replacement Sensor Assembly

Part N	lo.	Description	Remarks
1	160-000104-100	BLACK MARK & SEE-THROUGH PCB	
2	700-045900-001	MOVABLE SENSOR BOX-UP	
3	700-046000-001	MOVABLE SENSOR BOX-DOWN	
4	765-230084-145	TAPPING/P/NI/3*8(TAP/III)	

2.09 Ribbon Module



NOTE: Use Part Number 023-22P007-060 for replacement Ribbon Assembly

Part N	No.	Description	Remarks
1	725-027900-001	RIBBON CORE, SPRING BLADE/SUS 301 0.2t	
2	765-230044-143	TAPPING SCREW/P/NI/3*4(Triangle)	

2.10 Label Supply Guide



Part N	No.	Description	Remarks
1	700-050200-001	LABEL ROLL GUIDE STOPPER KNOB	
2	700-050000-001	LABEL ROLL GUIDE	

2.11 Power Switch



Part No.		Description	Remarks
1	150-000022-000	POWER SWITCH ASSEMBLY	
2	720-057700-000	BACK PLATE	

2.12 Optional-Cutter Parts



Part No.		Description	Remarks
1	700-036303-001	TICKET TRAY, Black	
2	700-036203-001	R/CUTTER COVER, Black	
3	720-040700-000	CUTTER SPLINT/SUS 301 0.5t	
4	765-230064-148	TAP/P/NI(FW)Φ3*6(TAP/III)	
5	230-140002-100	4" ROTARY CUTTER	
6	720-059200-000	CUTTER BRACKET	
7	160-000064-020	CUTTER PCB ASSEMBLY	
8	765-130064-142	MACHINE SCREW/P/NI/M3*6	

2.13 Ethernet (Optional) and Parallel Ports Parts



Part No.		Description	Remarks			
1. Eth	1. Ethernet Module					
1	160-000192-000	ETHERNET ASSEMBLY				
2	725-065300-002	ETHERNET BRACKET				
3	765-130065-240	MACHINE SCREW T/BK/M3*6				
4	227-106013-040	HOUSING PHD2.0-2*6P#28 /N130mm				
2. Par	2. Parallel/PS2 Module					
5	725-057100-002	BRACKET, PARALLEL PCB				
6	160-000176-000	PARALLEL ADAPTOR BOARD ASSEMBLY				

2.14 Optional- Internal Rewind Parts



Part No.		Description	Remarks
1	031-22P004-000	INTERNAL REWIND	
2	750-028400-000	U SHAPED CLIP	

Exploded Diagrams and Parts Lists

3.01 MAIN ASSEMBLY



MAIN ASSEMBLY - PARTS LIST				
MODE	EL: H-427 / H-436	Date: 06-11-2007		REV: A
Item	Part No.	Part Name	Qty	Remarks
C-01	720-058000-010	TOP RIGHT COVER	1	
C-02	765-130066-146	HEX. SCREW M3*6	6	
C-03	745-002300-000	ACRYLIC PLATE	1	
C-04	325-017800-103	RIBBON & LABEL INSTRUCTION LABEL	1	
C-05	765-230085-245	TAPPING SCREW/T/BK/3*8(TAP/III)	10	
C-06	700-031803-021	RIGHT COVER	1	
C-07	710-045100-000	MIDDLE PLATE	1	
C-08	760-001200-001	CABLE CLAMP /CC-1SS	1	
C-09	760-004000-001	WIRE CLAMP / AB-1	1	
C-10	765-130064-142	MACHINE SCREW/P/NI/M3*6(SPW ONLY)	12	
C-11	160-100019-000	RIBBON SENSOR OUT ASSEMBLY	1	
C-12	715-015208-100	GEAR 52T*M0.8 (NL66)	2	
C-13	720-043700-000	GEAR SHAFT(52T)	2	
C-14	715-013208-100	GEAR 32T*M0.8 (NL66)	1	
C-15	720-049100-000	GEAR SHAFT(32T)	1	
C-16	760-005100-001	ROUND BELT/ 160MXL	1	
C-17	760-005200-001	ROUND BELT/ 105MXL	1	
C-18	715-025120-100	DOUBLE GEAR 51/20T	1	
C-19	720-043800-000	GEAR SHAFT(34T/20T)	1	
C-20	160-000175-003	MAIN PCB ASSEMBLY	1	
C-21	765-140064-144	WASHER M4*6	2	
C-22	745-001600-000	MYLAR (FOR POWER BRACKET)	1	
C-23	745-001200-000	SPONGE 20*20*5T/MM	1	
C-24	725-051900-002	POWER BRACKET	1	
C-25	215-300012-004	SWITCHING POWER /AB-LPP-150-024	1	See Note
C-26	227-106009-070	HOUSING 396VH-6P*2/ UL-1007 #18 N150MM	1	
C-27		MECHANISM	1	
C-28	720-058600-000	MECHANISM SCREW	1	
C-29	765-160124-141	MACHINE SCREW/P/NI/M6*12(SPW & FW)	6	
C-30	765-130062-140	MACHINE SCREW/I/NI/M3*6(#2)	11	
C-31	725-047100-001	REWIND MODULE COVER PLATE/SPCC1.5T	1	
C-32	725-047000-001	REWIND MODULE BRACKET (SPCC 1.5T)	1	
C-33	715-024036-100	DOUBLE GEAR (40T/36T)	1	
C-34	775-B30629-051	NYLON WASHER/ \$\$ 0.0*\$ 29*0.5T/ MM	1	
C-35	775-620511-063	F-BING/05.0*011*0.6T/MM	2	
C-36	715-016405-101	GEAB/64T*M0.5 (NI 66)	1	
C-37	775-C60609-053	GBAPHITE WASHER/06 2*9 5*0 5T	1	
C-38	150-000022-000	POWER SW ASSEMBLY	1	
C-39	720-057700-000	BACK PLATE	1	
C-40	725-056500-002		1	
C-41	725-048100-001		י 2	
C 42	723-040100-001		1	
0-42	700-050200-001		1	
C 44	700-050000-001		1	
C 45	720-032300-000		1	
0-45	700-049900-001		1	
0-46	735-001000-002		1	
0-47	/00-140104-141		∠ I 1	
0-48	700 050100 001			
0-49	700-050100-001			
0-50	770-020918-082	E-KING/NE 49.0"418"0.81/MM	1	
C-51	/30-000900-000		2	
0-52	725-053200-011		1	
0-53	700-046100-001			
0-54	/50-032400-000		1	
C-55	/65-230064-148	ΙΑΡ / Ρ/ Ν I(FW) Φ3*6 (TAP/III) # 1-092430-00	1	

C-56	725-046900-001	CONNECTOR PLATE (SPCC 1.5T)	1	
C-57	227-102014-080	1.58-2P-MALE/1007#26 130MM/PH2.0-2P	1	
C-58	227-105010-080	1.58 HOUSING 5P MALE/ #26 /N130MM	1	
C-59	720-052200-000	LABEL GUIDE SHAFT	1	
C-60	750-034400-000	LABEL TENSION PLATE SPRING	1	
C-61	765-130084-141	MACHINE SCREW / P / NI / M3*8 (SPW/FWΦ8)	2	
C-62	720-057600-000	BOTTOM PLATE	1	
C-63	760-005300-001	RUBBER FOOT(GL-24L-B)	4	
C-64	765-140164-141	MACHINE SCREW/ P / NI / M4*16 (SPW/FW)	3	
C-65	720-058500-010	PANEL BRACKET	1	
C-66	227-126004-060	HOUSING 254FC-26PX2 /N250MM	1	
C-68	160-000103-030	LCD BOARD ASSEMBLY	1	
C-69	765-217054-145	TAPPING SCREW / P / NI / 1.7*5 (TAP/III)	2	
C-70	775-620307-063	E-RING/Ф3.0*Ф7.0*0.6T/MM #1-092406-00	1	
C-71	160-000114-001	(TONE DETECT) STRIP SENSOR ASSEMBLY	1	
C-72	745-001800-000	MYLAR PLATE / 60*25*0.38T	1	
C-73	700-036003-011	STRIP PCB BOX	1	
C-74	700-031703-031	LEFT PANEL	1	
C-75	755-006300-010	NAME PLATE	1	
C-76	700-041000-001	LCD PANEL	1	
C-77	700-031903-021	BOTTOM RIGHT PANEL	1	
C-78	760-004700-002	HAND SCREW /M4*10*6	1	
C-79	220-345602-104	MOTOR/4S56Q-03554SE	1	
C-80	725-046500-001	MOTOR PLATE (SECC 2.0T)	1	
C-81	725-046600-001	MOTOR BRACKET (SECC 1.6T)	1	
C-82	715-032522-100	GEAR DOUBLE HUB MXL-025/22T	1	
C-83	715-032522-101	GEAR MXL-025/22T	1	
C-84	775-620409-063	E-RING/Ф4.0*9.0*0.6T/MM(BK)1-092401-00	1	
C-85	720-058100-000	TOP LEFT COVER (SPCC 1.2T #KC01-0016)	1	
C-86	765-140064-142	MACHINE SCREW/P/NI/M4*6	12	
C-87	755-006500-000	BRAND PLATE	1	
C-88	760-001600-001	SNAP RIVET/SR2.6-3.2 (BLACK)	2	
C-89	775-720310-033	O-RING/Ф3.0*Ф10*0.3t/mm (SPN-3)	4	
C-90	765-330553-200	NUT/BK/M3.0*5.5	4	

NOTE: Use Part Number 023-22P012-060 for Power Supply Assembly 3.02 PRINT MECHANISM



Item Part No. Part Name Oty Remarks A07 725-003600-001 PHESSURE POSITION SCREW 2 . A03 700-00520-001 TPH PRISSURE POSITION SCREW 2 . A03 700-00520-001 TPH PRISSURE ROTARY SHAFT 1 . A04 720-05780-000 WH PHEPSSURE ROTARY SHAFT 1 . A06 725-031800-001 TPH PERSURE LUMP (PC-10% GF GREEN #48370) 2 . A07 700-0500-001 TPH PERSURE R08 179 f00 5T 1 . . A10 755-03080-001 TPH EXTEND PCA SASEMBLY 1 . . A11 160-0017-001 TPH POSTION ADJ SPRING 00-8° 0°16.1°N 2 . . A13 750-028200-000 TPH POSTION ADJ SPRING 00-8° 0°16.1°N 2 . . A14 160-00378-001 TPH VACE BRACKET GUDE (NL66 GREEN) 2 . . A14 160-00378-001 TPH VACE BRACKET GUDE (NL66 GREEN) 2 . . A14 160-00178-001	MODE	EL: H-427 / H-436	Date: 06-11-2007		REV: A
A-01 735-00020-002 MID BRACKETTOP 1 A-02 720-04520-001 TPH SPING BOX (PC-10%GF GREEM4637D) 2 A-03 700-04520-001 TPH SPSING BOX (PC-10%GF GREEM4637D) 2 A-04 720-05500-002 WASHER / D11.71.6T 1 A-06 750-05300-001 TPH PRESSURE ENTRY SHAFT 1 A-07 770-055300-001 TPH SPRING 1 A-06 750-05300-001 TPH SPRING 1 A-07 772-230816-053 GRAFHTE WASHER/061 (SU S30) 1 A-11 160-000177-001 TPH EXTER/D PCB ASSEMBLY 1 1 A-13 750-05800-000 TPH PARTEWINNER'9(#2) 1 1 A-14 720-038500-000 TPH POSITION ADJ SPRING 40.8°5 0'16.1'7N 2 A-14 720-053800-000 TPH POSITION ADJ SPRING 40.8°5 0'16.1'7N 2 A-14 720-053800-000 TPH POSITION ADJ SPRING 40.8°5 0'16.1'7N 2 A-14 720-05500-001 TPH POSITION ADJ SPRING 40.8°5 0'16.1'7N 2 A-15 700-05500-001 TPH POSITION ADJ SPRI	Item	Part No.	Part Name	Qtv	Remarks
Aug T2p-03860-000 PERSSURE POSITION SOFEW 2 Aug 700-04520-001 TPH SPRING BOX (PC-10%, GF GREEN#4637D) 2 Aug 720-05750-000 TPH SPRING BOX (PC-10%, GF GREEN#4637D) 2 Aug 725-031800-000 TPH SPRING 1 Aug 725-031800-000 TPH SPRING 1 Aug 725-0300-01 TPH HERSEWIE LUMP (PC-10%, GF GREEN #4637D) 2 Aug 725-03016-03 GRAPHINE WASHER/04.01016/05 1 Aug 700-05020-001 TPH EXEND PCB ASSEMBLY 1 Aug 700-051600-021 TPH POSITION ADU SPRING 40.6*6.0*16.1*7N 2 Aug 700-051600-021 TPH POSITION ADU SPRING 50.0*6.1*1*N 2 Aug 700-051600-021 TPH PACTERACKET GUIDE (NL68 GREEN) 1 Aug 700-051600-021 TPH ADAPTOR PCB ASSEMBLY (200dp) 1 Aug 700-051600-021 TPH ADAPTOR PCB ASSEMBLY (200dp) 1 Aug 720-057400-000 RIBEON SHELD SHAFT 1 Aug 720-057400-0001 TPH WASHER 1	A-01	735-000200-002	MID BRACKET/TOP	1	
A-04 720-045200-001 TPH SPRING BOX (PC-10%GF GREEN44637D) 2 A-04 720-05500-000 TPH PRESSURE DOTARY SHAFT 1 A-05 725-039600-002 WASHER ID11.71.6T 2 A-06 750-031800-000 TPH ISPRING 1 A-07 700-050300-001 TPH LEVER HOCK (SUS 304) 1 A-08 772-032016-053 GRAPHITE WASHERV08, 1'010'051 1 A-10 765-130062-140 MACHINE SCREWINNIWS'642) 24 A-11 160-000177-001 TPH EXTEND PCB ASSEMBLY 1 A-12 725-052700-001 TPH BOSITION ADJ SPRING 00.9'5 0'16.1'TN 2 A-14 720-038500-000 TPH POSITION ADJ SPRING 00.9'5 0'16.1'TN 2 A-14 720-05500-021 TPH ADATE 1 A-15 700-045300-0101 TPH ADATE OR CR ASSEMBLY (200dp) 1 A-16 725-05600001 TPH ADATE OR CR ASSEMBLY (200dp) 1 A-17 725-05600001 TPH ADATE OR CR ASSEMBLY (200dp) 1 A-20 725-056600-001 TPH ADATE OR CR ASSEMBLY (300dp) 1	A-02	720-038600-000	PRESSURE POSITION SCREW	2	
Avg. 220-057500-000 TPH PRESSURE ROTARY SHAFT 1 Avg. 750-031800-000 TPH SPINIG 2 Avg. 750-031800-000 TPH SPINIG 2 Avg. 750-031800-000 TPH SPINIG 2 Avg. 752-034200-001 TPH SPENDE LUMP (PC-10%GF GREEN #4637D) 2 Avg. 775-23001-001 TPH ERSENDE CLOSE (Sta 304) 1 Avg. 775-23001-001 TPH EXTEND PCB ASSEMBLY 1 Avg. 775-23001-001 TPH EXTEND PCB ASSEMBLY 24 Avg. 750-028800-000 TPH POSITION ADJUSTNENT SCREW 2 Avg. 750-028800-000 TPH POSITION ADJUSTNENT SCREW 2 Avg. 750-0350-0001 TPH VICE BRACKET GUIDE (NL68 GREEN) 2 Avg. 750-0350-0001 TPH VICE BRACKET GUIDE (NL68 GREEN) 1 Avg. 725-057200-0001 TPH ADAPTOR PCB ASSEMBLY (200dp) 1 Avg. 725-057200-0001 TPH ADAPTOR PCB ASSEMBLY (200dp) 1 Avg. 726-057400-0001 TPH ADAPTOR PCB ASSEMBLY (200dp) 1	A-03	700-045200-001	TPH SPRING BOX (PC+10%GF GREEN#4637D)	2	
Avis 725-03960-002 WASHER / DTL 71:6T 2 Avis 726-03500-000 TPH ERSPING 1 Avis 725-034200-001 TPH EVER HOCK (SUS 304) 1 Avis 725-034200-001 TPH EVER HOCK (SUS 304) 1 Avis 725-034200-001 TPH EVER HOCK (SUS 304) 1 Avis 755-130062-140 MACHINE SCREW/INUM9 6/42) 24 Avis 750-030062-140 MACHINE SCREW/INUM9 6/42) 1 Avis 750-030062-001 TPH EXTEND PCR ASSEMBLY 1 Avis 750-032800-000 TPH POSITION ADJ SPRING Φ0.8*6.0*16.1*7N 2 Avis 750-0500-021 TPH POSITION ADJ SPRING Φ0.8*6.0*16.1*7N 2 Avis 720-05700-001 TPH POSITION ADJ SPRING Φ0.8*6.0*16.1*7N 2 Avis 720-05700-001 TPH ADAPTOR PCR ASSEMBLY (200dp) 1 Avis 720-05720-001 TPH ADAPTOR PCR ASSEMBLY (200dp) 1 Avis 720-057400-000 RIBBON SHIELD SWAFT 1 Avis 720-057400-000 RIBBON SHIELD SWAFT 1 <tr< td=""><td>A-04</td><td>720-057500-000</td><td>TPH PRESSURE ROTARY SHAFT</td><td>1</td><td></td></tr<>	A-04	720-057500-000	TPH PRESSURE ROTARY SHAFT	1	
A-06 750-031800-000 TPH SPINIG 1 A-07 700-05300-001 TPH HPRSSUELLUMP (PC-10%GF GREEN #4637D) 2 A-08 725-0300-001 TPH HPRSSUELLUMP (PC-10%GF GREEN #4637D) 1 A-08 725-0300-001 TPH HPRSEWELLUMP (PC-10%GF GREEN #4637D) 2 A-10 765-130062-140 NACHINE SCREWINNIM*G42) 24 A-11 160-00017-001 TPH EXTEND PCB ASSEMBLY 1 A-13 725-038500-000 TPH POSITION ADJ SPRING Φ0.9*6.0*16.1*TN 2 A-14 720-038500-000 TPH POSITION ADJUSTNENT SCREW 2 A-15 700-051600-021 TPH POSITION ADJUSTNENT SCREW 2 A-16 700-051600-021 TPH ADZE TRACKET GUIDE (NLB6 GREEN) 2 A-17 726-0300-001 TPH ADZE TRACKET GUIDE (NLB6 GREEN) 2 A-17 726-057400-000 TPH ADZE TRACKET GUIDE (NLB6 GREEN) 2 A-20 725-06169-041 TPH ADZE TRACKET GOO 1 A-21 726-057400-000 TPH ADZE TRACKET GOO 1 A-22 720-057400-0001 TPH ADZE TRACKET	A-05	725-039600-002	WASHER / D11.7*1.6T	2	
A.67 700-050300-001 TPH LEVER HOCK (SUS 304) 1 A.08 725-034200-001 TPH LEVER HOCK (SUS 304) 1 A.10 775-230816-033 GRAPHTE WASHER/88.1°016'0.5T 1 A.11 160-00017*-001 TPH EXTEND FOR ASSEMBLY 1 A.11 175-00017*-001 TPH EXTEND FOR ASSEMBLY 1 A.12 725-038200-000 TPH POSITION ADJUSTMENT SCREW 2 A.14 720-038500-000 TPH POSITION ADJUSTMENT SCREW 2 A.14 720-038500-000 TPH POSITION ADJUSTMENT SCREW 2 A.15 700-045300-001 TPH VICE BRACKET 1 A.16 160-000178-001 TPH VICE BRACKET 1 A.17 725.05600-001 TPH ADAPTOR PCB ASSEMBLY (200dpi) 1 A.18 160-000178-001 TPH ADAPTOR PCB ASSEMBLY (200dpi) 1 A.21 725.05600-001 TPH ADAPTOR PCB ASSEMBLY (200dpi) 1 A.22 720-057400-001 TPH KPC-108-074.65(PW ONLY) 1 A.22 720-057400-000 RIBBON ROD 1 <t< td=""><td>A-06</td><td>750-031800-000</td><td>TPH SPRING</td><td>1</td><td></td></t<>	A-06	750-031800-000	TPH SPRING	1	
A.08 725_034200_001 TPH LEVER HOOK (SUS 304) 1 A.09 775_230816-053 GRAPHITE WASHERIGE (*016*0.5T 1 A.10 765_130062-140 MACHINE SOREWINIMAY6(#2) 24 A.11 160-000177-001 TPH EXTEND PCB ASSEMBLY 1 A.12 725_022700-01 TPH BRACKET 1 A.13 750-028800-000 TPH POSITION ADJ SFRING 60.9*60*16.1*TN 2 A.14 720-028800-000 TPH POSITION ADJ SFRING 60.9*60*16.1*TN 2 A.15 700-051600-021 TPH POSITION ADJ SFRING 60.9*60*16.1*TN 2 A.16 700-045300-001 TPH VICE BRACKET 1 180-000178-001 TPH ADAPTOR PCB ASSEMBLY (2004p) 1 1 A219-114240-002 TPH KRD-1068-0127400-00 1 A22 720-057400-000 RIBBON SHELD SHAFT 1 A23 121-14240-002 TPH KRD-106-127A0-100 1 A24 720-057400-000 RIBBON SHELD SHAFT 1 A25 720-057400-000 RIBBON SHELD SHAFT 1 A24 725-057	A-07	700-050300-001	TPH PRESSURE LUMP (PC+10%GE GREEN #4637D)	2	
A-09 775-230816-053 GRAPHITE WASHER/081 rohifo.5T 1 A-10 775-230816-053 GRAPHITE WASHER/081 rohifo.5T 1 A-11 160-000177-001 TPH EXTEND PC6 ASSEMBLY 1 A-12 725-052700-001 TPH EXTEND PC6 ASSEMBLY 1 A-14 720-052800-000 TPH POSITION ADJUSTMENT SCREW 2 A-14 720-038500-000 TPH POSITION ADJUSTMENT SCREW 2 A-15 700-045300-001 TPH PLACE 1 A-16 700-045300-001 TPH VICE BRACKET 1 A-17 725-061900-001 TPH ADAPTOR PCB ASSEMBLY (200dp) 1 A-18 160-000178-011 TPH ADAPTOR PCB ASSEMBLY (200dp) 1 A-21 725-061900-001 TPH ADAPTOR PCB ASSEMBLY (200dp) 1 A-22 720-057400-001 TPH WASHER 1 A-22 720-057400-001 TPH KPC-108-127A0-130 1 A-24 725-0452400-001 TPH KPC-108-127A0-130 1 A-25 720-057100-000 ANTISTATIC BRUSH 1 A-26 <td< td=""><td>A-08</td><td>725-034200-001</td><td>TPH LEVER HOOK (SUS 304)</td><td>1</td><td></td></td<>	A-08	725-034200-001	TPH LEVER HOOK (SUS 304)	1	
A-10 765-130082-140 MACHINE SCREWINING*(#2) 24 A-11 160-00177-001 TPH EXTEND PCB ASSEMBLY 1 A-12 725-028200-001 TPH EXTEND PCB ASSEMBLY 1 A-13 730-028800-000 TPH POSITION ADJ SFINIG 40.8*6.0*16.0*17N 2 A-14 720-02800-000 TPH POSITION ADJ SFINIG 40.8*6.0*16.1*7N 2 A-15 700-045300-001 TPH POSITION ADJ SFINIG 40.8*6.0*16.1*7N 2 A-16 700-045300-001 TPH POSITION ADJ SFINIG (*0.66 GREEN) 2 A-17 725-057200-001 TPH X02-DFDR BASSEMBLY (2004p) 1 A-18 160-000178-001 TPH ADJENTEN BARCKET 1 A-20 725-057400-000 TPH ADJENTEN TRACKET 1 A-21 720-057400-000 RIBBON SHIELD SHAFT 1 A-22 720-057400-000 RIBBON NOD 1 A-24 725-057400-000 RIBBON NOD 1 A-26 720-057100-000 LOCATING SHAFT 1 A-27 720-057100-000 LOCATING SHAFT 1 A-28	A-09	775-230816-053	GRAPHITE WASHER/Ф8.1*Ф16*0.5T	1	
A-11 1 1 1 A-12 725-052700-001 TPH BRACKET 1 A-13 750-029800-000 TPH POSITION ADJ SPRING 40.6°5.0°16.1°7N 2 A-14 720-038500-000 TPH POSITION ADJ SPRING 40.6°5.0°16.1°7N 2 A-14 720-038500-000 TPH POSITION ADJ SPRING 40.6°5.0°16.1°7N 2 A-14 720-045300-001 TPH PLATE 1 A-16 700-045300-001 TPH VICE BRACKET 1 A-17 725-057200-001 TPH XOAPTOR PCB ASSEMBLY (200dpi) 1 A-18 160-000178-001 TPH ADAPTOR PCB ASSEMBLY (200dpi) 1 A-17 25-061900-001 TPH ADAPTOR PCB ASSEMBLY (200dpi) 1 A-21 725-05600-001 TPH ASCHER 1 A-22 720-057400-000 RIBBOR STACH 1 A-23 219-124240-002 TPH KPC BRACKET 1 A-24 720-057400-000 RIBBOR ROD 1 A-25 720-057400-000 ANTSTATIC BRUSH 1 A-26 720-057200-0000 ANTSTATIC BRUSH	A-10	765-130062-140	MACHINE SCREW/I/NI/M3*6(#2)	24	
A-12 725.022300.001 TPH POSITION ADJ SPRING 40.0*6.0*16.1*7N 2 A-14 726.023800.000 TPH POSITION ADJ SPRING 40.0*6.0*16.1*7N 2 A-14 726.038500.000 TPH POSITION ADJ SPRING 40.0*6.0*16.1*7N 2 A-15 700.045300.001 TPH VICE-BRACKET GUIDE (NL66 GREEN) 2 A-17 725.057200.001 TPH ADE TOR PCB ASSEMBLY (200dpl) 1 A-18 160.000178.001 TPH ADAPTOR PCB ASSEMBLY (200dpl) 1 A-18 160.000178.001 TPH ADAPTOR PCB ASSEMBLY (200dpl) 1 A-20 725.057400.000 TPH ADAPTOR PCB ASSEMBLY (200dpl) 1 A-21 725.056400.001 TPH ADAPTOR PCB ASSEMBLY (200dpl) 1 A-22 720.057400.000 RIBBON SHIELD SHAFT 1 A-23 219.114240.002 TPH/ KPC-108.47AE1-GO 1 A-24 725.057400.000 RIBBON STATIC BRUSH 1 A-25 720.057400.000 RIBBON STATIC BRUSH 1 A-26 720.057100.001 LOCATING SHAFT 1 A-27 720.057100.001 LOCATING SHAFT <td>A-11</td> <td>160-000177-001</td> <td>TPH EXTEND PCB ASSEMBLY</td> <td>1</td> <td></td>	A-11	160-000177-001	TPH EXTEND PCB ASSEMBLY	1	
A-13 750.029800-000 TPH POSITION ADJ SPRING 00.8*01*6.1*7N 2 A.14 720-038500-000 TPH POSITION ADJUSTMENT SCREW 2 A.15 700-045300-001 TPH VICE BRACKET GUIDE (NL66 GREEN) 2 A.17 725-057200-001 TPH VICE BRACKET GUIDE (NL66 GREEN) 2 A.18 160-000178-001 TPH ADAPTOR PCB ASSEMBLY (200dpi) 1 A.19 765-130064-142 MACHINE SCREW/PINIM3*6(SPW ONLY) 1 A.20 725-061900-001 TPH ADJUSTMENT BRACKET 1 A.21 725-056600-001 TPH ADJUSTMENT BRACKET 1 A.22 720-057400-000 RIBBON SHIELD SHAFT 1 A.22 720-057400-001 TPH CRO-108-47AEL-GO 1 A.22 720-057400-001 RIBBON ROD 1 A.22 720-057400-001 RIBBON ROD 1 A.22 720-057400-001 RIBBON ROD 1 A.23 715-012608-100 GEARRET*M0.8 (NL66) 1 A.24 725-057400-001 RIBON ROD 1 A.26 775-0057	A-12	725-052700-001	TPH BRACKET	1	
A.14 T20.038500-000 TPH POSITION ADJUSTMENT SCREW 2 A.15 T00-051600-021 TPH PLATE 1 A.16 T00-045300-001 TPH VICE-BRACKET GUIDE (NL66 GREEN) 2 A.17 T25-057200-001 TPH VICE-BRACKET 1 A.18 160-000178-001 TPH ADAPTOR PCB ASSEMBLY (200dpi) 1 A.19 T65-130064-142 MACHINE SCREW/P/INIM3'6(SPW ONLY) 1 A.20 T25-051800-001 TPH ADAPTOR PCB ASSEMBLY (200dpi) 1 A.21 T25-05600-001 TPH ADAPTOR PCB ASSEMBLY (200dpi) 1 A.22 T26-057400-002 TPH /WSPC-108-8TAET-GO 1 A.22 T20-057400-002 TPH /WSPC-106-12TAO1-GO 1 A.24 T25-057400-001 TPH COVER 1 A.25 T20-052400-000 RIBBON RIGO 1 A.26 T20-057100-000 LOCATING SHAFT 1 A.27 T20-057100-000 LOCATING SHAFT 1 A.28 T07-050200-000 ANTISTATIC BRUSH 1 A.27 T20-05710-000	A-13	750-029800-000	TPH POSITION ADJ SPRING Ф0.8*6.0*16.1*7N	2	
A-16 700.051800.021 TPH PLATE 1 A-16 700.045300.001 TPH VICE BRACKET GUIDE (NL66 GREEN) 2 A-17 725.057200-001 TPH VICE BRACKET 1 A-18 180.000178-011 TPH ADAPTOR PCB ASSEMBLY (200dpi) 1 A-19 725.056600-001 TPH ADAPTOR PCB ASSEMBLY (200dpi) 1 A-20 725.056600-001 TPH ADAPTOR PCB ASSEMBLY (300dpi) 1 A-21 725.056600-001 TPH WASHER 1 A-22 720.057400-000 RIBBON SHIELD SHAFT 1 A-22 720.057400-001 TPH VKPG-106-127A01-GO 1 A-24 725.057400-001 TPH VKPG-108-127A01-GO 1 A-25 720.052400-000 RIBBON POD 1 A-26 720.057400-001 TPH VKPG-108-127A01-60 1 A-27 720.057400-001 IDCATING SHAFT 1 A-28 775-126080-000 RIBBON POD 1 A-28 775-620409-003 GRAPHITE WASHER/46.2*9.5*0.57 4 A-30 715-012608-10-03	A-14	720-038500-000	TPH POSITION ADJUSTMENT SCREW	2	
A-16 700-045300-001 TPH VICE BRACKET GUIDE (NL66 GREEN) 2 A-17 725-057200-001 TPH VICE BRACKET 1 A-18 160-000178-001 TPH ADAPTOR PCB ASSEMBLY (200dpi) 1 A-19 765-000178-001 TPH ADAPTOR PCB ASSEMBLY (300dpi) 1 A-19 765-000178-001 TPH ADAPTOR PCB ASSEMBLY (300dpi) 1 A-20 725-061900-001 TPH ADAUSTMENT BRACKET 1 A-21 725-056600-001 TPH WASHER 1 A-22 720-057400-000 RIBBON SHIELD SHAFT 1 A-23 720-057400-000 RIBBON SHIELD SHAFT 1 A-24 725-067400-000 RIBBON ROD 1 A-25 720-057200-000 ANTISTATIC BRUSH 1 A-26 720-057100-000 LOCATING SHAFT 1 A-27 720-057100-000 LOCATING SHAFT 1 A-28 700-050500-001 MOVABLE SENSOR STOPPER PLATE 1 A-30 715-620409-063 E-RING'04-0'9.0'0.6T/MM(8)(1.092401-00 1 A-31 775-620409-	A-15	700-051600-021	TPH PLATE	1	
A-17 725-057200-001 TPH VICE BRACKET 1 A-18 160-000178-001 TPH ADAPTOR PCB ASSEMBLY (200dpi) 1 A-18 160-000178-001 TPH ADAPTOR PCB ASSEMBLY (200dpi) 1 A-19 765-130064-142 MACHINE SCREW/P/NI/M3*6(SPW ONLY) 1 A-20 725-056600-001 TPH ADUSTMENT BRACKET 1 A-21 725-056600-001 TPH VASHER 1 A-22 720-057400-000 RIBBON SHIELD SHAFT 1 A-23 219-114240-002 TPH VKP-108-1721A01-GO 1 A-24 725-057400-000 RIBBON ROD 1 1 A-25 720-057200-000 ANTISTATIC BRUSH 1 1 A-26 720-057200-000 RIBBON ROD 1 1 A-27 720-057100-000 LCOATING SHAFT 1 1 A-28 775-620510-063 E-RING*06.0*01*07*05*07 4 1 A-30 715-012608-100 GEAR2ETMO.8 (NL66) 1 1 A-31 765-2030080-11 EAS25*05*0.5*T 4 <td>A-16</td> <td>700-045300-001</td> <td>TPH VICE BRACKET GUIDE (NL66 GREEN)</td> <td>2</td> <td></td>	A-16	700-045300-001	TPH VICE BRACKET GUIDE (NL66 GREEN)	2	
A-18 160-000178-001 TPH ADAPTOR PCB ASSEMBLY (200dpl) 1 160-000178-011 TPH ADAPTOR PCB ASSEMBLY (300dpl) 1 A-19 765-130064-142 MACHINE SCREW/P/N/M3*(SPW ONLY) 1 A-20 725-061900-001 TPH ADAUSTMENT BRACKET 1 A-21 725-061900-001 TPH WASHER 1 A-22 720-057400-000 RIBBON SHIELD SHAFT 1 A-23 219-114240-002 TPH VRD-108-17AD1-GO 1 A-24 725-057400-001 TPH COVER 1 A-25 720-057400-000 RIBBON ROD 1 A-26 720-057100-000 LOCATING SHAFT 1 A-27 720-057100-000 LOCATING SHAFT 1 A-28 700-050500-001 MOVABLE SENSOR STOPPER PLATE 1 A-30 715-012608-10 GEAR26TM0.8 (NL66) 1 A-31 775-620409-063 GRAPHITE WASHER/06.2*9.5*0.5T 4 A-33 730-000800-000 PLATEN BUSH (GRONZE) 2 A-34 765-020308-1145 TAPPIN/GR/N13*8(TAPIN)#1/910*02	A-17	725-057200-001	TPH VICE-BRACKET	1	
160-000178-011 TPH ADAPTOR POB ASSEMBLY (300dp) 1 A-19 765-130064-142 MACHINE SCREW/PNI/M3 (\$90 ONLY) 1 A-20 725-061900-001 TPH ADJUSTMENT BRACKET 1 A-21 725-061900-001 TPH WASHER 1 A-22 720-057400-000 RIBBON SNELD SHAFT 1 A-23 219-114240-002 TPH/ KPC-108-8TAE1-GO 1 A-24 725-057400-000 RIBBON ROD 1 A-25 720-052400-000 RIBBON ROD 1 A-26 720-057200-000 ANTISTATIC BRUSH 1 A-27 720-057200-000 LOCATING SHAFT 1 A-28 720-057200-000 LOCATING SHAFT 1 A-28 775-620409-005 1 1 A-29 775-6205110-63 E-RING/44-09-00-677MM[Ke]1-022401-00 1 A-31 775-0260511-63 E-RING/44-09-00-677MM[Ke]1-022401-00 1 A-33 735-026050-03 GRAPHTE WASHER/462-25-50-57 4 A-33 735-0260511-063 E-RING/462-25-50-57 4	A-18	160-000178-001	TPH ADAPTOR PCB ASSEMBLY (200dpi)	1	
A-19 765-130064-142 MACHINE SCREW/P/NI/M3*6(SPW ONLY) 1 A-20 725-061900-001 TPH ADJUSTMENT BRACKET 1 A-21 725-056600-001 TPH ADJUSTMENT BRACKET 1 A-22 720-057400-000 RIBBON SHIELD SHAFT 1 A-23 219-114240-002 TPH/KPC-108-8TAE1-GO 1 A-24 725-057400-001 TPH KPC-106-12TAO1-GO 1 A-25 720-057200-000 ANTISTATIC BRUSH 1 A-26 720-057200-000 RIBBON ROD 1 A-27 725-052400-000 RIBRON ROD 1 A-28 700-050500-001 MOVABLE SENSOR STOPPER PLATE 1 A-29 775-620409-063 E-RING/40.40*90*06.0*/0110-082401-00 1 A-30 715-012608-100 GEAR/26T*M0.8 (NL66) 1 A-31 775-620511-063 E-RING/40.2*0*01*0 1 A-32 725-045900-001 EARHER/46.2*0*0.5*0 3 A-34 765-230084-145 TAPPING/PINJ3*8(TAP/III) #1-092405-00 3 A-35 725-045900-001 EARHER VADE VINS*8(CC 2.0T) 1 A-36 760-0		160-000178-011	TPH ADAPTOR PCB ASSEMBLY (300dpi)	1	
A-20 725-061900-001 TPH ADJUSTMENT BRACKET 1 A-21 725-056600-001 TPH WASHER 1 A-22 720-057400-000 RIBBON SHIELD SHAFT 1 A-23 219-114240-002 TPH/ KPC-108-8TAE1-GO 1 A-24 725-057400-001 TPH KPC-108-8TAE1-GO 1 A-27 720-052400-000 RIBBON ROD 1 A-26 720-057200-000 ANTISTATIC BRUSH 1 A-27 720-057100-000 LOCATING SHAFT 1 A-28 700-050500-001 MOVABLE SENSOR STOPPER PLATE 1 A-28 775-620409-603 E-RING/40-90-06-3TMM(KB(1)-082401-00 1 A-30 715-012608-100 GEAR/26T'M0.8 (NL66) 1 A-31 775-620511-063 E-RING/46.0*0.9'0.0*110.0*TMM 2 A-32 775-620511-063 GARAPITE WASHER/46.2*0.5*0.5T 4 A-33 730-000800-000 PLATEN BUSH (BRONZE) 2 A-34 765-230084-145 TAPPING/P/NI3*8(TAPIN)#1-092405-00 3 A-35 725-045500-001 SUTEN BUSH-(AP (NL66/GREEN)) 1 A-36 760-003	A-19	765-130064-142	MACHINE SCREW/P/NI/M3*6(SPW ONLY)	1	
A-21 725-056600-001 TPH WASHER 1 A-22 720-057400-000 RIBBON SHIELD SHAFT 1 A-23 219-114240-002 TPH/ KPG-108-127A01-GO 1 A-24 725-057400-001 TPH /KPG-108-127A01-GO 1 A-24 725-057400-001 TPH COVER 1 A-25 720-052400-000 RIBBON RDD 1 A-26 720-052400-000 RIBBON RDD 1 A-27 720-05200-000 ANTISTATIC BRUSH 1 A-28 700-050500-001 MOVABLE SENSOR STOPPER PLATE 1 A-29 775-620409-063 E-RING/40.0°9.0°0.6T/MM(BK)1.092401-00 1 A-30 715-012608-1100 GEAR/27F M0.8 (NL66) 1 A-31 775-620409-063 E-RING/40.2°9.5°.0.5T 4 A-32 775-060609-053 GRAPHITE WASHER/46.2°9.5°.0.5T 4 A-33 735.000800-001 PLATEN BUSH (BRONZE) 2 A-34 765-0200001 BLET PLATE(SPCC 2.0T) 1 A-35 750-033700-001 PLATEN BUSH (AP(NL66)GREEN	A-20	725-061900-001	TPH ADJUSTMENT BRACKET	1	
A-22 720-057400-000 RIBBON SHIELD SHAFT 1 A-23 219-114240-002 TPH/ KPC-108-8TAE1-3O 1 A-24 725-057400-001 TPH CC-108-8TAE1-3O 1 A-24 725-057400-001 TPH COVER 1 A-25 720-052400-000 RIBBON ROD 1 A-26 720-057200-000 ANTISTATIC BRUSH 1 A-27 720-05500-001 MOVABLE SENSOR STOPPER PLATE 1 A-28 720-055200-003 E-RING/40.0°3.0°.057MM(BK)1.092401-00 1 A-30 715-012608-100 GEAR/26T'M08 (NL66) 1 A-31 775-0520511-063 E-RING/40.0°3.0°.057MM(BK)1.092401-00 1 A-33 730-00800-000 PLATEN BUSH (BRONZE) 2 A-34 765-230084-145 TAPPING/P/NI3*8(TAP/III) #1-092405-00 3 A-35 725-045900-001 LEFT PLATE(SPCC 2.07) 1 A-36 760-003900-001 BLATEN BUSH (NG6/GREEN) 1 A-37 700-045800-001 PLATEN BUSH-CAP (NL66/GREEN) 1 A-38 700-045800-001 MOVABLE SENSOR HOLDER 1 A-40 <td< td=""><td>A-21</td><td>725-056600-001</td><td>TPH WASHER</td><td>1</td><td></td></td<>	A-21	725-056600-001	TPH WASHER	1	
A-23 219-114240-002 TPH/ KPC-108-8TAE1-GO 1 A-24 725-057400-001 TPH/ KPG-106-12TAO1-GO 1 A-24 725-057400-000 RIBBON ROD 1 A-25 720-052400-000 RIBBON ROD 1 A-26 720-057100-000 ANTISTATIC BRUSH 1 A-27 720-057100-000 LOCATING SHAFT 1 A-28 700-050500-001 MOVABLE SENSOR STOPPER PLATE 1 A-29 775-620490-063 E-RING/Ф4.0'9.0'0.6T/MM(B(N1.092401-00) 1 A-30 715-12608-100 GEAR/26T'M0.8 (NL66) 1 A-31 775-620511-063 E-RING/Φ5.0'Φ11'0.6T/MM 2 A-32 775-75-06069-053 GRAPHITE WASHER/Φ6.2''8.5'0.5T 4 A-33 730-009800-000 PLATEN BUSH (BRONZE) 2 A-34 765-230084-145 TAPPING/P/NI3'8(TAP/III) #1-092405-00 3 A-35 726-045900-001 ELFT PLATE(SPCC 2.0T) 1 A-36 760-033700-000 PRINTHEAD LIFT SPRING 2 A-37 750-033700-000 <td>A-22</td> <td>720-057400-000</td> <td>RIBBON SHIELD SHAFT</td> <td>1</td> <td></td>	A-22	720-057400-000	RIBBON SHIELD SHAFT	1	
A:20 219-124240-002 TPH/ KPG-106-12TAO1-GO 1 A:24 725-057400-001 TPH COVER 1 A:25 720-057200-000 RIBBON ROD 1 A:26 720-057200-000 ANTISTATIC BRUSH 1 A:27 720-057100-000 LOCATING SHAFT 1 A:28 700-055500-001 MOVABLE SENSOR STOPPER PLATE 1 A:29 775-620409-063 E-RING/dx 0'9.0°0.67/MM(BK)1-092401-00 1 A:30 715-012608-100 GEAR/26T'M.08 (NL66) 1 A:31 775-620511-063 E-RING/dx 0:0°11'0.07MM 2 A:32 775-620631-063 GRAPHITE WASHER/ds 2:9.5'0.5T 4 A:33 730-000800-000 PLATEN BUSH (BRONZE) 2 A:34 765-230084-145 TAPPING/P/NU'3'8(TAPINI) #1-092405-00 3 A:35 725-045900-001 EFT PLATE (SPCC 2.07) 1 A:36 760-0033900-001 SNAP BUSHING/ SB-2530 1 A:37 750-033700-0000 PRINTHEAD LIFT SPRING 2 A:38 700-045800-001	A-23	219-114240-002	TPH/ KPC-108-8TAE1-GO	1	
A-24 725-057400-001 TPH COVER 1 A-25 720-052400-000 RIBBON ROD 1 A-26 720-05720-000 ANTISTATIC BRUSH 1 A-27 720-057100-000 LOCATING SHAFT 1 A-28 720-057100-000 LOCATING SHAFT 1 A-28 700-050500-001 MOVABLE SENSOR STOPPER PLATE 1 A-28 775-620409-063 E-RING/40-0'90-0'701'0.6T/MM (BK)1-092401-00 1 A-31 775-62050-063 GRAPHITE WASHER/40-2'9.5'0.5T 4 A-32 775-620609-053 GRAPHITE WASHER/40-2'9.5'0.5T 4 A-33 730-000800-000 PLATEN BUSH (BRONZE) 2 A-34 765-203084-145 TAPPING/P/N/3'8(TAP/III) #1-092405-00 3 A-35 725-0435900-001 EFT PLATE(SPCC 2.0T) 1 A-36 760-0033900-001 PLATEN BUSH (GRONZE) 2 A-38 700-045800-001 PLATEN-BUSH-CAP (NL66/GREEN) 1 A-37 705-002100-010 PLATEN 1 A-41 735-000100-002 BOTTOM MECH,BRACKET 1 A-42 725-043500-001		219-124240-002	TPH/ KPG-106-12TAO1-GO	1	
A-25 720-052400-000 RIBBON ROD 1 A-26 720-057200-000 ANTISTATIC BRUSH 1 A-27 720-057100-000 LOCATING SHAFT 1 A-28 700-050500-001 MOVABLE SENSOR STOPPER PLATE 1 A-29 775-620409-063 E-RING/40-09.0*0.0*07M(B(K)1-092401-00 1 A-30 715-012608-100 GEAR/26T*M0.8 (NL66) 1 A-31 775-620611-063 E-RING/45.0*041*0.66) 1 A-32 775-620609-053 GRAPHITE WASHER/46.2*9.5*0.5T 4 A-33 730-0000800-000 PLATEN BUSH (BRONZE) 2 A-34 765-230084-145 TAPPING/PN/3*8(TAP/III) #1-092405-00 3 A-35 725-045900-001 LEFT PLATE(SPCC 2.0T) 1 A-36 760-003300-001 NAP BUSHING/ SB-2530 1 A-37 750-003700-000 PRINTHEAD LIFT SPRING 2 A-38 700-045800-001 PLATEN-BUSH-CAP (NL66/GREEN) 1 A-40 700-051800-001 MOVABLE SENSOR HOLDER 1 A-41 735-000100.002 BOTTOM MECH,BRACKET 1 A-42	A-24	725-057400-001	TPH COVER	1	
A-26 720-057200-000 ANTISTATIC BRUSH 1 A-27 720-057100-000 LOCATING SHAFT 1 A-28 700-050500-001 MOVABLE SENSOR STOPPER PLATE 1 A-29 775-620409-063 E-RING/Φ4.0'9.0'0.67/MM(BK)1-092401-00 1 A-30 715-012608-100 GEAR/26T'M0.8 (NL66) 1 A-31 775-620511-063 E-RING/Φ4.0'9.0'0.67/MM(BK)1-092401-00 1 A-32 775-620609-053 GRAPHITE WASHER/Φ6.2'9.5'0.5T 4 A-33 730-000800-000 PLATEN BUSH (BRONZE) 2 A-34 765-230084-145 TAPPING/P/NI/3'8(TAP/III) #1-092405-00 3 A-35 725-045900-001 LET PLATE(SPCC 2.0T) 1 A-36 760-033700-000 PRINTHEAD LIFT SPRING 2 A-37 750-033700-000 PLATEN BUSH-CAP (NL66/GREEN) 1 A-39 705-002100-011 PLATEN 1 A-41 735-00100-002 BOTOM MECH.BRACKET 1 A-42 725-053100-001 TEAR OFF BAR 1 A-43 765-120084-140 MACHINE SCREW/P/NI/M2'8 1 A-44	A-25	720-052400-000	RIBBON ROD	1	
A-27 720-057100-000 LOCATING SHAFT 1 A-28 707-050500-001 MOVABLE SENSOR STOPPER PLATE 1 A-29 775-620409-063 E-RING/40.0"9.0"0.0T/MM(BK)1092401-00 1 A-30 715-012608-100 GEAR/26T*M.8 (NL66) 1 A-31 775-620511-063 E-RING/45.0"011"0.6T/MM 2 A-32 775-75-620609-053 GRAPHITE WASHER/46.2"9.5"0.5T 4 A-33 730-000800-000 PLATEN BUSH (BRONZE) 2 A-34 765-230084-145 TAPPING/PIN/3*8(TAP/III) #1-092405-00 3 A-35 726-045900-001 LEFT PLATE(SPCC 2.0T) 1 A-36 760-003900-001 SLAP BUSHING/SB-2530 1 A-37 750-033700-000 PRINTHEAD LIFT SPRING 2 A-38 700-045800-001 PLATEN-BUSH-CAP (NL66/GREEN) 1 A-40 700-051800-001 MCVABLE SENSOR HOLDER 1 A-41 735-000100-01 BOTTOM MECH,BRACKET 1 A-42 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1	A-26	720-057200-000	ANTISTATIC BRUSH	1	
A-28 700-050500-001 MOVABLE SENSOR STOPPER PLATE 1 A-29 775-620409-063 E-RING/04.0*9.0*0.5T/MM(Bk)1-092401-00 1 A-30 715-012608-100 GEAR/26T*M0.8 (NL66) 1 A-31 775-620511-063 E-RING/04.0*9.0*01*0.6T/MM 2 A-32 775-620511-063 E-RING/04.0*0.7*01*0.6T/MM 2 A-33 730-000800-000 PLATEN BUSH (BRONZE) 2 A-34 765-230084-145 TAPPING/P.NU3*0(TAP/III) #1-092405-00 3 A-35 725-045900-001 LEFT PLATE(SPC 2.0T) 1 A-36 760-033700-000 PRINTHEAD LIFT SPRING 2 A-37 750-033700-000 PRINTHEAD LIFT SPRING 2 A-38 700-045800-001 PLATEN-BUSH-CAP (NL66/GREEN) 1 A-40 700-051800-001 MOVABLE SENSOR HOLDER 1 A-41 735-000100-002 BOTTOM MECH,BRACKET 1 A-42 725-045100-001 TEAR OFF BAR 1 A-43 765-120084-140 MACHINE SCREW/P/NI/M2*8 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A	A-27	720-057100-000	LOCATING SHAFT	1	
A-29 775-620409-063 E-RING/Ф4.0'9.0'0.6T/IMI(BK)1-092401-00 1 A-30 715-012608-100 GEAR/26T*M0.8 (NL66) 1 A-31 775-620511-063 E-RING/Ф5.0'110.6T/MM 2 A-32 775-020609-053 GRAPHITE WASHER/Ф6.2'9.5'0.5T 4 A-33 730-000800-000 PLATEN BUSH (BRONZE) 2 A-34 765-230084-145 TAPPING/P/NI/3'8(TAP/III) #1-092405-00 3 A-35 725-045900-001 LEFT PLATE(SPCC 2.0T) 1 A-36 760-003900-001 SNAP BUSHING/ SB-2530 1 A-37 750-033700-000 PRINTHEAD LIFT SPRING 2 A-38 700-045800-001 PLATEN-BUSH-CAP (NL66/GREEN) 1 A-40 700-051800-001 MOVABLE SENSOR HOLDER 1 A-41 735-002100-010 PLATEN 1 A-42 725-045500-001 SENSOR,HEADLIFT SWITCH 1 A-43 765-120084-140 MACHINE SCREW/P/NI/M2'8 1 A-44 180-100016-000 SENSOR,HEADLIFT SWITCH 1 A-45 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A-47<	A-28	700-050500-001	MOVABLE SENSOR STOPPER PLATE	1	
A-30 715-012608-100 GEAR/26T*M0.8 (NL66) 1 A-31 775-620511-063 E-RING/95.0*011*0.67/MM 2 A-32 775-75-66069-053 GRAPHITE WASHER/96.2*9.5*0.5T 4 A-33 730-000800-000 PLATEN BUSH (BRONZE) 2 A-34 765-230084-145 TAPPING/P/NI/3*8(TAP/III) #1-092405-00 3 A-35 725-045900-001 LEFT PLATE(SPCC 2.0T) 1 A-36 760-003900-001 PRINTHEAD LIFT SPRING 2 A-38 700-045800-001 PLATEN-BUSH-CAP (NL66/GREEN) 1 A-39 705-002100-010 PLATEN 1 A-40 700-051800-001 MOVABLE SENSOR HOLDER 1 A-41 735-000100-002 BOTTOM MECH,BRACKET 1 A-42 725-045100-001 SENSOR,HEADLIFT SWITCH 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A-44 160-000141 MACHINE SCREW /P/NI/M3*4(SPW ONLY) 2 A-47 725-047500-001 SWITCH HAACKET (SECC 1.2T) 1 A-48	A-29	775-620409-063	E-RING/Ф4.0*9.0*0.6T/MM(BK)1-092401-00	1	
A-31 775-620511-063 E-RING/Φ5.0*Φ11*0.6T/MM 2 A-32 775-C60609-053 GRAPHITE WASHER/Φ6.2*9.5*0.5T 4 A-33 730-000800-000 PLATEN BUSH (BRONZE) 2 A-34 765-230084-145 TAPPING/P/IN/3*8(TAP/III) #1-092405-00 3 A-35 725-045900-001 LEFT PLATE(SPCC 2.0T) 1 A-36 760-003900-001 SINAP BUSHING/SE230 1 A-37 750-033700-000 PRINTHEAD LIFT SPRING 2 A-38 700-045800-001 PLATEN-BUSH-CAP (NL66/GREEN) 1 A-40 700-051800-001 PLATEN-BUSH-CAP (NL66/GREEN) 1 A-44 700-051800-001 MOVABLE SENSOR HOLDER 1 A-42 725-053100-001 TEAR OFF BAR 1 A-44 765-120084-140 MACHINE SCREW/P/NI/M2*8 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A-44 160-100016-000 SWITCH BRACKET (SECC 1.2T) 1 A-45 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A-44 160-00014-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1	A-30	715-012608-100	GEAR/26T*M0.8 (NL66)	1	
A-32 775-C60609-053 GRAPHITE WASHER/46.2*9.5*0.5T 4 A-33 730-000800-000 PLATEN BUSH (BRONZE) 2 A-34 765-230084-145 TAPPING/P/NI/3*8(TAP/III) #1-092405-00 3 A-35 725-045900-001 LEFT PLATE(SPCC 2.0T) 1 A-36 760-003900-001 SNAP BUSHING/SB-2530 1 A-37 750-033700-000 PRINTHEAD LIFT SPRING 2 A-38 700-045800-001 PLATEN-BUSH-CAP (NL66/GREEN) 1 A-40 700-051800-001 MOVABLE SENSOR HOLDER 1 A-41 735-000100-002 BOTTOM MECH,BRACKET 1 A-42 725-053100-001 TEAR OFF BAR 1 A-43 765-120084-140 MACHINE SCREW/P/NI/M2*8 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A-45 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A-47 725-047400-001 SWITCH HOLDER BRACKET (SECC 1.2T) 1 A-48 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1 A-49 700-045900-001 MOVABLE SENSOR BOX-UP(PC+10%GF BLACK)) 1	A-31	775-620511-063	E-RING/Ф5.0*Ф11*0.6T/MM	2	
A-33 730-000800-000 PLATEN BUSH (BRONZE) 2 A-34 765-230084-145 TAPPING/P/NI/3*g(TAP/III) #1-092405-00 3 A-35 725-045900-001 LEFT PLATE(SPCC 2.0T) 1 A-36 760-003900-001 SNAP BUSHING/SB-2530 1 A-37 750-033700-000 PRINTHEAD LIFT SPRING 2 A-38 700-045800-001 PLATEN-BUSH-CAP (NL66/GREEN) 1 A-39 705-002100-010 PLATEN 1 A-40 700-051800-001 MOVABLE SENSOR HOLDER 1 A-41 735-000100-002 BOTTOM MECH,BRACKET 1 A-42 725-053100-001 TEAR OFF BAR 1 A-43 765-120084-140 MACHINE SCREW/P/NI/M2*8 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A-45 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A-44 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1 A-47 725-047400-001 SWITCH HOLDER BRACKET (SECC 1.2T) 1 A-48 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1 <td< td=""><td>A-32</td><td>775-C60609-053</td><td>GRAPHITE WASHER/Ф6.2*9.5*0.5T</td><td>4</td><td></td></td<>	A-32	775-C60609-053	GRAPHITE WASHER/Ф6.2*9.5*0.5T	4	
A-34 765-230084-145 TAPPING/P/NI/3*8(TAP/III) #1-092405-00 3 A-35 725-045900-001 LEFT PLATE(SPCC 2.0T) 1 A-36 760-003900-001 SNAP BUSHING/SB-2530 1 A-37 750-033700-000 PRINTHEAD LIFT SPRING 2 A-38 700-045800-001 PLATEN-BUSH-CAP (NL66/GREEN) 1 A-39 705-002100-010 PLATEN 1 A-40 700-051800-001 MOVABLE SENSOR HOLDER 1 A-41 735-000100-002 BOTTOM MECH,BRACKET 1 A-42 725-0453100-001 TEAR OFF BAR 1 A-43 765-120084-140 MACHINE SCREW/P/NI/M2*8 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A-45 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A-46 765-130044-142 MACH SCREW /P/NI/M3*4(SPW ONLY) 2 A-47 725-047400-001 SWITCH HOLDER BRACKET (SECC 1.2T) 1 A-48 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1 A-50 700-046000-001 MOVABLE SENSOR BOX-D0(P/CC+10%GF BLACK)) 1	A-33	730-000800-000	PLATEN BUSH (BRONZE)	2	
A:35 725-045900-001 LEFT PLATE(SPCC 2.0T) 1 A:36 760-003900-001 SNAP BUSHING/SB-2530 1 A:37 750-033700-000 PRINTHEAD LIFT SPRING 2 A:38 700-045800-001 PLATEN-BUSH-CAP (NL66/GREEN) 1 A:39 705-002100-010 PLATEN-BUSH-CAP (NL66/GREEN) 1 A:40 700-051800-001 MOVABLE SENSOR HOLDER 1 A:41 735-000100-002 BOTTOM MECH,BRACKET 1 A:42 725-053100-001 TEAR OFF BAR 1 A:43 765-120084-140 MACHINE SCREW/P/NI/M2*8 1 A:44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A:45 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A:46 765-130044-142 MACH SCREW /P/NI/M3*4(SPW ONLY) 2 A:47 725-047400-001 SWITCH HOLDER BRACKET (SECC 1.2T) 1 A:48 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASEMBLY 1 A:49 700-045900-001 MOVABLE SENSOR BOX-DOWN(PC/BLACK) 1 A:50 700-046000-001 MOVABLE SENSOR BOX-DOWN(PC/BLACK) 1 <	A-34	765-230084-145	TAPPING/P/NI/3*8(TAP/III) #1-092405-00	3	
A-36 760-003900-001 SNAP BUSHING/ SB-2530 1 A-37 750-033700-000 PRINTHEAD LIFT SPRING 2 A-38 700-045800-001 PLATEN-BUSH-CAP (NL66/GREEN) 1 A-39 705-002100-010 PLATEN-BUSH-CAP (NL66/GREEN) 1 A-40 700-051800-001 MOVABLE SENSOR HOLDER 1 A-41 735-000100-002 BOTTOM MECH,BRACKET 1 A-42 725-053100-001 TEAR OFF BAR 1 A-43 765-120084-140 MACHINE SCREW/P/NI/M2*8 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A-45 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A-46 765-130044-142 MACH SCREW /P/NI/M3*4(SPW ONLY) 2 A-47 725-047600-001 SWITCH HOLDER BRACKET (SECC 1.2T) 1 A-48 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1 A-49 700-045900-001 MOVABLE SENSOR BOX-DOWN(PC/BLACK) 1 A-50 700-046000-001 MOVABLE SENSOR ROTARY SHAFT 1 A-51 725-046000-001 RIGHT-UP PLATE(SPCC 2.0T) 1 <	A-35	725-045900-001	LEFT PLATE(SPCC 2.0T)	1	
A-37 750-033700-000 PRINTHEAD LIFT SPRING 2 A-38 700-045800-001 PLATEN-BUSH-CAP (NL66/GREEN) 1 A-39 705-002100-010 PLATEN 1 A-40 700-051800-001 PLATEN 1 A-40 700-051800-001 MOVABLE SENSOR HOLDER 1 A-41 735-000100-002 BOTTOM MECH,BRACKET 1 A-42 725-053100-001 TEAR OFF BAR 1 A-43 765-120084-140 MACHINE SCREW/P/NI/M2*8 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A-45 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A-46 765-130044-142 MACH SCREW /P/NI/M3*4(SPW ONLY) 2 A-47 725-047400-001 SWITCH HOLDER BRACKET (SECC 1.2T) 1 A-48 160-000104-100 BLACK MARK & SE-THROUGH PCB ASSEMBLY 1 A-49 700-045900-001 MOVABLE SENSOR BOX-UP(PC+10%GF BLACK)) 1 A-50 700-046000-001 MOVABLE SENSOR ROTARY SHAFT 1 A-51 725-046000-001 RIGHT-UP PLATE (SPCC 2.0T) 1 A-52 <td>A-36</td> <td>760-003900-001</td> <td>SNAP BUSHING/ SB-2530</td> <td>1</td> <td></td>	A-36	760-003900-001	SNAP BUSHING/ SB-2530	1	
A-38 700-045800-001 PLATEN-BUSH-CAP (NL66/GREEN) 1 A-39 705-002100-010 PLATEN 1 A-40 700-051800-001 MOVABLE SENSOR HOLDER 1 A-41 735-000100-002 BOTTOM MECH,BRACKET 1 A-42 725-053100-001 TEAR OFF BAR 1 A-43 765-120084-140 MACHINE SCREW/P/NI/M2*8 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A-45 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A-46 765-130044-142 MACH SCREW /P/NI/M3*4(SPW ONLY) 2 A-47 725-047400-001 SWITCH HOLDER BRACKET (SECC 1.2T) 1 A-48 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1 A-49 700-045900-001 MOVABLE SENSOR BOX-UP(PC+10%GF BLACK)) 1 A-50 700-046000-001 MOVABLE SENSOR BOX-DOWN(PC/BLACK) 1 A-52 720-052300-000 MOVABLE SENSOR ROTARY SHAFT 1 A-53 725-046100-001 RIGHT-UP PLATE(SPCC 2.0T) 1 A-54 765-160124-141 MACHINE SCREW/P/NI/M6*12 (SPW & FW) 2 </td <td>A-37</td> <td>750-033700-000</td> <td>PRINTHEAD LIFT SPRING</td> <td>2</td> <td></td>	A-37	750-033700-000	PRINTHEAD LIFT SPRING	2	
A-39 705-002100-010 PLATEN 1 A-40 700-051800-001 MOVABLE SENSOR HOLDER 1 A-41 735-000100-002 BOTTOM MECH,BRACKET 1 A-42 725-053100-001 TEAR OFF BAR 1 A-43 765-120084-140 MACHINE SCREW/P/NI/M2*8 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A-45 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A-46 765-130044-142 MACH SCREW /P/NI/M3*4(SPW ONLY) 2 A-47 725-047400-001 SWITCH HOLDER BRACKET (SECC 1.2T) 1 A-48 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1 A-49 700-045900-001 MOVABLE SENSOR BOX-UP(PC+10%GF BLACK)) 1 A-50 700-046000-001 MOVABLE SENSOR BOX-DOWN(PC/BLACK) 1 A-52 720-052300-000 MOVABLE SENSOR ROTARY SHAFT 1 A-53 725-046000-001 RIGHT-UP PLATE(SPCC 2.0T) 1 A-54 765-160124-141 MACHINE SCREW/P/NI/M6*12 (SPW & FW) 2 A-55 725-046100-001 RIGHT- DOWN PLATE (SPCC 2.0T) 1<	A-38	700-045800-001	PLATEN-BUSH-CAP (NL66/GREEN)	1	
A-40 700-051800-001 MOVABLE SENSOR HOLDER 1 A-41 735-000100-002 BOTTOM MECH,BRACKET 1 A-42 725-053100-001 TEAR OFF BAR 1 A-43 765-120084-140 MACHINE SCREW/P/NI/M2*8 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A-45 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A-46 765-130044-142 MACH SCREW /P/NI/M3*4(SPW ONLY) 2 A-47 725-047400-001 SWITCH HOLDER BRACKET (SECC 1.2T) 1 A-48 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1 A-49 700-045900-001 MOVABLE SENSOR BOX-UP(PC+10%GF BLACK)) 1 A-50 700-046000-001 MOVABLE SENSOR BOX-DOWN(PC/BLACK) 1 A-52 720-052300-000 MOVABLE SENSOR ROTARY SHAFT 1 A-53 725-046000-001 RIGHT-UP PLATE(SPCC 2.0T) 1 A-54 765-160124-141 MACHINE SCREW/P/NI/M6*12 (SPW & FW) 2 A-55 725-046100-001 RIGHT- DOWN PLATE (SPCC 2.0T) </td <td>A-39</td> <td>705-002100-010</td> <td>PLATEN</td> <td>1</td> <td></td>	A-39	705-002100-010	PLATEN	1	
A-41 735-000100-002 BOTTOM MECH,BRACKET 1 A-42 725-053100-001 TEAR OFF BAR 1 A-43 765-120084-140 MACHINE SCREW/P/NI/M2*8 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A-45 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A-46 765-130044-142 MACH SCREW /P/NI/M3*4(SPW ONLY) 2 A-47 725-047400-001 SWITCH HOLDER BRACKET (SECC 1.2T) 1 A-48 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1 A-48 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1 A-49 700-045900-001 MOVABLE SENSOR BOX-UP(PC+10%GF BLACK)) 1 A-50 700-046000-001 MOVABLE SENSOR BOX-DOWN(PC/BLACK) 1 A-52 720-052300-000 MOVABLE SENSOR ROTARY SHAFT 1 A-53 725-046000-001 RIGHT-UP PLATE(SPCC 2.0T) 1 A-54 765-160124-141 MACHINE SCREW/P/NI/M6*12 (SPW & FW) 2 A-55 725-046100-001 RIGHT- DOWN PLATE (SPCC 2.0T) 1 A-56 760-003600-001 RUBBER F	A-40	700-051800-001	MOVABLE SENSOR HOLDER	1	
A-42 725-053100-001 TEAR OFF BAR 1 A-43 765-120084-140 MACHINE SCREW/P/NI/M2*8 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A-45 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A-46 765-130044-142 MACH SCREW /P/NI/M3*4(SPW ONLY) 2 A-47 725-047400-001 SWITCH HOLDER BRACKET (SECC 1.2T) 1 A-48 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1 A-49 700-045900-001 MOVABLE SENSOR BOX-UP(PC+10%GF BLACK)) 1 A-50 700-046000-001 MOVABLE SENSOR BOX-DOWN(PC/BLACK) 1 A-52 720-052300-000 MOVABLE SENSOR ROTARY SHAFT 1 A-53 725-046000-001 RIGHT-UP PLATE(SPCC 2.0T) 1 A-54 765-160124-141 MACHINE SCREW/P/NI/M6*12 (SPW & FW) 2 A-55 725-046100-001 RIGHT- DOWN PLATE (SPCC 2.0T) 1 A-56 760-003600-001 RUBBER FOOT(GL-2) 1 A-57 765-120052-140 MACHINE SCREW//NI/M2*5 1 A-58 775-520610-013 WAVE WASHER \$\Delta(\Delt	A-41	735-000100-002	BOTTOM MECH, BRACKET	1	
A-43 765-120084-140 MACHINE SCREW/P/NI/M2*8 1 A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A-45 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A-46 765-130044-142 MACH SCREW /P/NI/M3*4(SPW ONLY) 2 A-47 725-047400-001 SWITCH HOLDER BRACKET (SECC 1.2T) 1 A-48 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1 A-49 700-045900-001 MOVABLE SENSOR BOX-UP(PC+10%GF BLACK)) 1 A-50 700-046000-001 MOVABLE SENSOR BOX-UP(PC+10%GF BLACK)) 1 A-52 720-052300-000 MOVABLE SENSOR BOX-UP(PC+10%GF BLACK)) 1 A-52 720-052300-000 MOVABLE SENSOR BOX-DOWN(PC/BLACK) 1 A-53 725-046000-001 RIGHT-UP PLATE(SPCC 2.0T) 1 A-54 765-160124-141 MACHINE SCREW/P/NI/M6*12 (SPW & FW) 2 A-55 725-046100-001 RIGHT- DOWN PLATE (SPCC 2.0T) 1 A-56 760-003600-001 RUBBER FOOT(GL-2) 1 A-57 765-120052-140 MACHINE SCREW//NI/M2*5 1 A-58 775-520610-013 <td>A-42</td> <td>725-053100-001</td> <td>TEAR OFF BAR</td> <td>1</td> <td></td>	A-42	725-053100-001	TEAR OFF BAR	1	
A-44 160-100016-000 SENSOR,HEADLIFT SWITCH 1 A-45 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A-46 765-130044-142 MACH SCREW /P/NI/M3*4(SPW ONLY) 2 A-47 725-047400-001 SWITCH HOLDER BRACKET (SECC 1.2T) 1 A-48 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1 A-49 700-045900-001 MOVABLE SENSOR BOX-UP(PC+10%GF BLACK)) 1 A-50 700-046000-001 MOVABLE SENSOR BOX-DOWN(PC/BLACK) 1 A-52 720-052300-000 MOVABLE SENSOR ROTARY SHAFT 1 A-53 725-046000-001 RIGHT-UP PLATE(SPCC 2.0T) 1 A-54 765-160124-141 MACHINE SCREW/P/NI/M6*12 (SPW & FW) 2 A-55 725-046100-001 RIGHT- DOWN PLATE (SPCC 2.0T) 1 A-56 760-003600-001 RUBBER FOOT(GL-2) 1 A-57 765-120052-140 MACHINE SCREW//INI/M2*5 1 A-58 775-520610-013 WAVE WASHER Φ6.8*Φ10.6*0.15T 2 A-59 150-000032-010 TPH LEVER / (PC+GF#590745-001 GREEN) 1 A-60 750-027500-010	A-43	765-120084-140	MACHINE SCREW/P/NI/M2*8	1	
A-45 725-047500-001 SWITCH BRACKET (SECC 1.2T) 1 A-46 765-130044-142 MACH SCREW /P/NI/M3*4(SPW ONLY) 2 A-47 725-047400-001 SWITCH HOLDER BRACKET (SECC 1.2T) 1 A-48 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1 A-49 700-045900-001 MOVABLE SENSOR BOX-UP(PC+10%GF BLACK)) 1 A-50 700-046000-001 MOVABLE SENSOR BOX-DOWN(PC/BLACK) 1 A-52 720-052300-000 MOVABLE SENSOR ROTARY SHAFT 1 A-53 725-046000-001 RIGHT-UP PLATE(SPCC 2.0T) 1 A-54 765-160124-141 MACHINE SCREW/P/NI/M6*12 (SPW & FW) 2 A-55 725-046100-001 RIGHT- DOWN PLATE (SPCC 2.0T) 1 A-56 760-003600-001 RUBBER FOOT(GL-2) 1 A-57 765-120052-140 MACHINE SCREW//NI/M2*5 1 A-58 775-520610-013 WAVE WASHER Φ6.8*Φ10.6*0.15T 2 A-59 150-000032-010 TPH LEVER / (PC+GF#590745-001 GREEN) 1 A-60 750-027500-010 TPH LEVER SPRING/ Φ1.0*11*12.5L*5N 1 A-61 775-210816-155	A-44	160-100016-000	SENSOR,HEADLIFT SWITCH	1	
A-46 765-130044-142 MACH SCREW /P/NI/M3*4(SPW ONLY) 2 A-47 725-047400-001 SWITCH HOLDER BRACKET (SECC 1.2T) 1 A-48 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1 A-49 700-045900-001 MOVABLE SENSOR BOX-UP(PC+10%GF BLACK)) 1 A-50 700-046000-001 MOVABLE SENSOR BOX-DOWN(PC/BLACK) 1 A-52 720-052300-000 MOVABLE SENSOR ROTARY SHAFT 1 A-53 725-046000-001 RIGHT-UP PLATE(SPCC 2.0T) 1 A-54 765-160124-141 MACHINE SCREW/P/NI/M6*12 (SPW & FW) 2 A-55 725-046100-001 RIGHT- DOWN PLATE (SPCC 2.0T) 1 A-56 760-003600-001 RUBBER FOOT(GL-2) 1 A-57 765-120052-140 MACHINE SCREW//NI/M2*5 1 A-58 775-520610-013 WAVE WASHER 46.8*4010.6*0.15T 2 A-59 150-000032-010 TPH LEVER / (PC+GF#590745-001 GREEN) 1 A-60 750-027500-010 TPH LEVER SPRING/ 41.0*11*12.5L*5N 1 A-61 775-210816-155 PLANE WASHER/48.2*4016*1.5T 1	A-45	725-047500-001	SWITCH BRACKET (SECC 1.2T)	1	
A-47 725-047400-001 SWITCH HOLDER BRACKET (SECC 1.2T) 1 A-48 160-000104-100 BLACK MARK & SEE-THROUGH PCB ASSEMBLY 1 A-49 700-045900-001 MOVABLE SENSOR BOX-UP(PC+10%GF BLACK)) 1 A-50 700-046000-001 MOVABLE SENSOR BOX-DOWN(PC/BLACK) 1 A-52 720-052300-000 MOVABLE SENSOR ROTARY SHAFT 1 A-53 725-046000-001 RIGHT-UP PLATE(SPCC 2.0T) 1 A-54 765-160124-141 MACHINE SCREW/P/NI/M6*12 (SPW & FW) 2 A-55 725-046100-001 RIGHT- DOWN PLATE (SPCC 2.0T) 1 A-56 760-003600-001 RUBBER FOOT(GL-2) 1 A-57 765-120052-140 MACHINE SCREW//NI/M2*5 1 A-58 775-520610-013 WAVE WASHER Φ6.8*Φ10.6*0.15T 2 A-59 150-00032-010 TPH LEVER / (PC+GF#590745-001 GREEN) 1 A-60 750-027500-010 TPH LEVER SPRING/ Φ1.0*11*12.5L*5N 1 A-61 775-210816-155 PLANE WASHER/Φ8.2*Φ16*1.5T 1	A-46	765-130044-142	MACH SCREW /P/NI/M3*4(SPW ONLY)	2	
A-48 160-000104-100 BLACK MARK & SEE-1HROUGH PCB ASSEMBLY 1 A-49 700-045900-001 MOVABLE SENSOR BOX-UP(PC+10%GF BLACK)) 1 A-50 700-046000-001 MOVABLE SENSOR BOX-DOWN(PC/BLACK) 1 A-52 720-052300-000 MOVABLE SENSOR ROTARY SHAFT 1 A-53 725-046000-001 RIGHT-UP PLATE(SPCC 2.0T) 1 A-54 765-160124-141 MACHINE SCREW/P/NI/M6*12 (SPW & FW) 2 A-55 725-046100-001 RIGHT- DOWN PLATE (SPCC 2.0T) 1 A-56 760-003600-001 RUBBER FOOT(GL-2) 1 A-57 765-120052-140 MACHINE SCREW//NI/M2*5 1 A-58 775-520610-013 WAVE WASHER Φ6.8*Φ10.6*0.15T 2 A-59 150-00032-010 TPH LEVER / (PC+GF#590745-001 GREEN) 1 A-60 750-027500-010 TPH LEVER SPRING/ Φ1.0*11*12.5L*5N 1 A-61 775-210816-155 PLANE WASHER/Φ8.2*Φ16*1.5T 1	A-47	725-047400-001	SWITCH HOLDER BRACKET (SECC 1.2T)	1	
A-49 700-045900-001 MOVABLE SENSOR BOX-UP(PC+10%GF BLACK)) 1 A-50 700-046000-001 MOVABLE SENSOR BOX-DOWN(PC/BLACK) 1 A-52 720-052300-000 MOVABLE SENSOR ROTARY SHAFT 1 A-53 725-046000-001 RIGHT-UP PLATE(SPCC 2.0T) 1 A-54 765-160124-141 MACHINE SCREW/P/NI/M6*12 (SPW & FW) 2 A-55 725-046100-001 RIGHT- DOWN PLATE (SPCC 2.0T) 1 A-56 760-003600-001 RIBBER FOOT(GL-2) 1 A-57 765-120052-140 MACHINE SCREW//NI/M2*5 1 A-58 775-520610-013 WAVE WASHER 46.8*4010.6*0.15T 2 A-59 150-00032-010 TPH LEVER / (PC+GF#590745-001 GREEN) 1 A-60 750-027500-010 TPH LEVER SPRING/ 41.0*11*12.5L*5N 1 A-61 775-210816-155 PLANE WASHER/48.2*4016*1.5T 1	A-48	160-000104-100	BLACK MARK & SEE-THROUGH PCB ASSEMBLY	1	
A-50 700-046000-001 MOVABLE SENSOR BOX-DOWN(PC/BLACK) 1 A-52 720-052300-000 MOVABLE SENSOR ROTARY SHAFT 1 A-53 725-046000-001 RIGHT-UP PLATE(SPCC 2.0T) 1 A-54 765-160124-141 MACHINE SCREW/P/NI/M6*12 (SPW & FW) 2 A-55 725-046100-001 RIGHT- DOWN PLATE (SPCC 2.0T) 1 A-56 760-003600-001 RUBBER FOOT(GL-2) 1 A-57 765-120052-140 MACHINE SCREW//NI/M2*5 1 A-58 775-520610-013 WAVE WASHER $\phi 6.8^* \phi 10.6^* 0.15T$ 2 A-59 150-00032-010 TPH LEVER / (PC+GF#590745-001 GREEN) 1 A-60 750-027500-010 TPH LEVER SPRING/ $\phi 1.0^* 11^* 12.5L^*5N$ 1 A-61 775-210816-155 PLANE WASHER/ $\phi 8.2^* \phi 16^* 1.5T$ 1	A-49	700-045900-001	MOVABLE SENSOR BOX-UP(PC+10%GF BLACK))	1	
A-52 720-052300-000 MOVABLE SENSOR ROTARY SHAFT 1 A-53 725-046000-001 RIGHT-UP PLATE(SPCC 2.0T) 1 A-54 765-160124-141 MACHINE SCREW/P/NI/M6*12 (SPW & FW) 2 A-55 725-046100-001 RIGHT- DOWN PLATE (SPCC 2.0T) 1 A-56 760-003600-001 RIGHT- DOWN PLATE (SPCC 2.0T) 1 A-57 765-120052-140 MACHINE SCREW//NI/M2*5 1 A-58 775-520610-013 WAVE WASHER ϕ 6.8* ϕ 10.6*0.15T 2 A-59 150-00032-010 TPH LEVER / (PC+GF#590745-001 GREEN) 1 A-60 750-027500-010 TPH LEVER SPRING/ ϕ 1.0*11*12.5L*5N 1 A-61 775-210816-155 PLANE WASHER/ ϕ 8.2* ϕ 16*1.5T 1	A-50	700-046000-001	MOVABLE SENSOR BOX-DOWN(PC/BLACK)	1	
A-53 725-046000-001 HIGH1-0P PLATE(SPCC 2.01) 1 A-54 765-160124-141 MACHINE SCREW/P/NI/M6*12 (SPW & FW) 2 A-55 725-046100-001 RIGHT- DOWN PLATE (SPCC 2.0T) 1 A-56 760-003600-001 RUBBER FOOT(GL-2) 1 A-57 765-120052-140 MACHINE SCREW//NI/M2*5 1 A-58 775-520610-013 WAVE WASHER \$\Phi6*0.15T 2 A-59 150-00032-010 TPH LEVER / (PC+GF#590745-001 GREEN) 1 A-60 750-027500-010 TPH LEVER SPRING/ \$\Phi1.0*11*12.5L*5N 1 A-61 775-210816-155 PLANE WASHER \$\Phi8.2*\Phi16*1.5T 1	A-52	720-052300-000			
A-54 /b5-160124-141 MACHINE SCREW///NI/Mb ⁻¹² (SPW & FW) 2 A-55 725-046100-001 RIGHT- DOWN PLATE (SPCC 2.0T) 1 A-56 760-003600-001 RUBBER FOOT(GL-2) 1 A-57 765-120052-140 MACHINE SCREW//NI/M2*5 1 A-58 775-520610-013 WAVE WASHER \$\Phi6*0.15T 2 A-59 150-00032-010 TPH LEVER / (PC+GF#590745-001 GREEN) 1 A-60 750-027500-010 TPH LEVER SPRING/ \$\Phi1.0*11*12.5L*5N 1 A-61 775-210816-155 PLANE WASHER \$\Phi8.2*\$\Phi16*1.5T 1	A-53	725-046000-001		1	
A-55 725-046100-001 RIGHT-DOWN PLATE (SPGC 2.01) 1 A-56 760-003600-001 RUBBER FOOT(GL-2) 1 A-57 765-120052-140 MACHINE SCREW/I/NI/M2*5 1 A-58 775-520610-013 WAVE WASHER Φ6.8*Φ10.6*0.15T 2 A-59 150-00032-010 TPH LEVER / (PC+GF#590745-001 GREEN) 1 A-60 750-027500-010 TPH LEVER SPRING/ Φ1.0*11*12.5L*5N 1 A-61 775-210816-155 PLANE WASHER/Φ8.2*Φ16*1.5T 1	A-54	705-160124-141		2	
A-50 /50-003600-001 ROBBER FOOT(GL-2) 1 A-57 765-120052-140 MACHINE SCREW/I/NI/M2*5 1 A-58 775-520610-013 WAVE WASHER Φ6.8*Φ10.6*0.15T 2 A-59 150-00032-010 TPH LEVER / (PC+GF#590745-001 GREEN) 1 A-60 750-027500-010 TPH LEVER SPRING/ Φ1.0*11*12.5L*5N 1 A-61 775-210816-155 PLANE WASHER/Φ8.2*Φ16*1.5T 1	A-55	760,000000,001		1	
A-57 765-120052-140 MACHINE SCREW///M/25 1 A-58 775-520610-013 WAVE WASHER Ф6.8*Ф10.6*0.15T 2 A-59 150-000032-010 TPH LEVER / (PC+GF#590745-001 GREEN) 1 A-60 750-027500-010 TPH LEVER SPRING/ Φ1.0*11*12.5L*5N 1 A-61 775-210816-155 PLANE WASHER/Φ8.2*Φ16*1.5T 1	A-56				
A-50 775-520610-015 WAVE WASHER 40.5 410.0 0.151 Z A-59 150-000032-010 TPH LEVER / (PC+GF#590745-001 GREEN) 1 A-60 750-027500-010 TPH LEVER SPRING/ 41.0*11*12.5L*5N 1 A-61 775-210816-155 PLANE WASHER/48.2*4016*1.5T 1	A-3/	775 520610 012		1	
A-60 750-027500-010 TPH LEVER SPRING/ Φ1.0*11*12.5L*5N 1 A-61 775-210816-155 PLANE WASHER/Φ8.2*Φ16*1.5T 1	A-30	150-000022 010		1	
A-61 775-210816-155 PLANE WASHER/Φ8.2*Φ16*1.5T 1	A-09	750-000032-010	TPH EVER SPRING/ #1 0*11*12 5I *5N	1	
	A-61	775-210816-155	PLANE WASHER/08.2*016*1.5T	1	

A-62	775-620612-082	E-RING/Ф6.0*Ф12*0.8/MM	1	
A-63	700-049200-001	SENSOR KNOB(ABS/GREEN)	1	
A-64	720-050700-000	RIBBON SHIELD ADJUSTMENT SCREW	2	
A-65	750-031900-000	RIBBON SHIELD ADJUSTMENT SPRING	2	
A-66	725-062100-001	RIBBON SHIELD ADJUSTMENT BRCAKET	1	
A-67	765-13006A-102	MACHINE SCREW/P/NI/M3*6 (SPW ONLY)	4	
A-68	750-029600-000	TPH SPRING, (C) D9.1*D1.2*20.5L*7N	1	

3.03 RIBBON MODULE



RIBBON MODULE - PARTS LIST				
MODE	EL: H-427 / H-436	Date: 06-11-2007		REV: A
Item	Part No.	Part Name	Qty	Remarks
B-01	760-006400-002	SPRING TWIG/Ф2.5*16L	2	
B-02	700-030201-001	4 NOTCH KNOB (ABS/Green#A4637D)	2	
B-03	750-029500-010	RIBBON SUPPLY SPRING	1	
B-04	750-027400-000	RIBBON COMPRESS SPRING	1	
B-05	700-029901-001	Φ18 FRICTION PLATE (ABS/GREEN)	2	
B-06	775-620612-082	E-RING/Ф6.0*Ф12*0.8/mm	3	
B-07	775-230816-053	GRAPHITE WASHER / 48.1* 416* 0.5t/mm	6	
B-09	150-000033-030	ROD,RIBBON/(ABS #4637D Green)	2	
B-10	725-027900-001	Ribbon Core, Spring Blade/SUS 301 0.2t #074072-001	2	
B-11	765-230044-143	TAPPING SCREW/P/NI/3*4(Triangle)	2	
B-12	700-049400-001	RIBBON SENSOR PLATE (ABS Black)	2	
B-13	765-226067-245	TAPPING SCREW/F/BK/2.6*6(TAP/III)	4	
B-14	725-050500-001	FRICTION PLATE(SUS 304 1.2t)	4	
B-15	745-000900-000	WOOL FIBER(Ф50*Ф20*4t)	2	
B-16	700-049300-001	RIBBON FRICTION PLATE HOLDER (ABS Green)	2	
B-17	760-007100-002	SPRING TWIG/D2.5*25L	2	
B-18	775-621020-102	E-RING/NI/Ф10*Ф20*1.0t/mm	3	
B-19	720-052000-010	RIBBON SUPPLY SHAFT	1	
B-20	720-052100-000	RIBBON REWIND SHAFT	1	
B-21	775-C61222-053	GRAPHITE WASHER/Ф12.2*22*0.5t	3	
B-22	760-007200-002	BALL BEARING/Ф12*Ф18*4t/mm #6701	3	
B-23	710-047800-000	RIBBON SHAFT BRACKET	1	
B-24	720-050800-000	RIBBON RETURN SPRING HOLDER SHAFT	1	
B-25	750-032500-000	RIBBON RETURN SPRING	1	
B-26	760-007300-002	BALL BEARING /Φ8*Φ16*5t/mm #688	1	
B-27	750-031500-000	RIBBON COMPRESS SPRING	1	
B-28	715-014608-100	GEAR 46T*M0.8 /NL66	1	
B-29	760-006000-022	ONE WAY CLU 1WC0812/ HEXAGON*Φ8/	1	
B-30	765-130124-140	MACHINE SCREW/P/NI/M3*12	1	
B-31	700-049500-001	RIBBON RETURN CAP(ABS/Green)	1	
B-32	775-620307-063	E-RING/Ф3.0*Ф7.0*0.6t/mm #1-092406-00	1	
B-33	700-045700-001	RIBBON IN OUT ADJUSTMENT KNOB(ABS/Green)	1	
B-34	725-051500-001	RIBBON IN-OUT ADJUSTMENT KNOB BRACKET	1	
B-35	765-130062-140	MACHINE SCREW/I/NI/M3*6(#2)	2	
B-36	775-210816-155	PLANE WASHER/ Φ 8.2* Φ 16*1.5t/mm	2	

Ethernet Installation

	RJ-45 Ethernet Cable	3
2	Ethernet Adaptor Bracket	
3	Ethernet Adaptor Module	1 2 3
4	12 Pin Connector Cable	
5	Bracket to Module Screws	
6	Module to Printer Screws	
		4 5 6 00
1.	Make sure the power is off	
	and the power cable is	
	unplugged. Place the Printer	
	onto a smooth surface and	
	open the rop Cover.	
2.	Remove the Left Top Cover	
	from the Printer.	
3.	Remove the Ethernet Port	
3.	Remove the Ethernet Port Cover from the back of the Printer	
3.	Remove the Ethernet Port Cover from the back of the Printer.	
3.	Remove the Ethernet Port Cover from the back of the Printer.	
3.	Remove the Ethernet Port Cover from the back of the Printer.	
3.	Remove the Ethernet Port Cover from the back of the Printer.	
3.	Remove the Ethernet Port Cover from the back of the Printer.	
3.	Remove the Ethernet Port Cover from the back of the Printer.	
3.	Remove the Ethernet Port Cover from the back of the Printer.	
3.	Remove the Ethernet Port Cover from the back of the Printer.	
3.	Remove the Ethernet Port Cover from the back of the Printer.	



Appendix A. Communication Interfaces

Parallel Interface

The Printers are equipped with a 36-pin Parallel interface connector. Any standard IBM PC compatible parallel cable can be used to connect to your Printer. In the event of any difficulties, the table listed below can be used to obtain a suitable cable.

PIN NO.	FUNCTION	TRANSMITTER
1	Strobe	Host / Printer
2-9	Data 0-7	Host
10	Acknowledge	Printer
11	Busy	Printer
12	Paper Empty	Printer
13	Select	Printer
14	Auto-Linefeed	Host / Printer
15	N/C	
16	Signal Ground	
17	Chassis Ground	
18	+5V DC	
19-30	Signal Ground	Host
31	Initialize	Host / Printer
32	Fault	Printer
33	Signal Ground	
34-35	N/C	
36	Select-in	Host / Printer

Serial Interface

The Printers are equipped with a 9-pin SUB-D connector to be used as a Serial interface.



Make sure that the "COM Port Setup Options" in the Printer's front panel are configured the same as the software you will be using with the Printer.

Connector Type: DB9 female, pin assignment is as follows:

PIN NO.	1	2	3	4	5	6	7	8*	9
FUNCTION	+5 V	TXD	RXD	N/C	GND	N/C	CTS	RTS	N/C

*Flow Control Line Serial interface from PC to Printer

Serial In	iter	Tace from		
PC				Printer
	1		1	+5V
RXD	2		2	TXD
TXD	3		3	RXD
DTR	4		4	N/C
GND	5		5	GND
DSR	6		6	N/C
RTS	7		7	CTS
CTS	8		8	RTS
	9		9	N/C

USB Interface

The Printer is equipped with a Type B USB connector that can be connected to any compatible USB port.

PIN NO.	1	2	3	4
FUNCTION	USBVCC	D-	D+	GND

PS/2 Interface

The PS/2 interface can be used to connect a keyboard to the Printer for stand-alone printing without a computer attached. (See section 9. Using the Printer with a PS/2 Keyboard)

PC			Printer
DATA	1	1	DATA
N/C	2	2	N/C
GND	3	3	GND
VCC	4	4	VCC
CLOCK	5	5	CLOCK
N/C	6	6	N/C

PS/2 interface from keyboard to Printer

Optional Applicator Interface

The applicator interface provides a means of communications between an applicator and the H-400/H-600 Series Printers.



PIN NO.	1	2	3	4	5	6	7
FUNCTION	Print Signal	+5 V	Printer Error Signal	+24 V	Printed Signal	Printing Signal	Ground

Appendix B. Error Messages/Troubleshooting

Self-Test

The Self-Test function in the Printer will help the user to troubleshoot whether the Printer is operating normally. In the Self-Test Mode, the Printer will print out a test sample each time the FEED Key is pressed. To stop the Self-Test procedure simply power off the Printer. Below are the Self-Test procedures:

To perform a Self Test:

- 1. Turn the Printer Off.
- 2. Press and hold the FEED Key.
- 3. Turn the Printer On while still holding the FEED Key down.
- 4. Release the FEED Key after hearing 3 beeps.

After about 1 second the Printer will print the Test Label and the LCD will display "Self Test". This means the Printer is operating normally. Simply cycle the power on the Printer to exit the Self Test.

Dump Mode

The Printer's Dump Mode provides the ability to print the command sequences received by the Printer instead of executing them. Dump Mode is very useful as a troubleshooting tool when the label settings and the print results do not match, and can be used to check for errors in data transmission between the Printer and the PC. Examining the Dump Mode print out will confirm whether or not the correct commands were received.

To enter Dump Mode:

- 1. Turn the Printer Off.
- 2. Press and hold the FEED Key.
- 3. Turn the Printer On while still holding the FEED Key down.
- 4. The Printer will beep three times. Continue to hold the FEED Key down; the Printer will beep one more time.
- 5. When the LCD shows the message "DUMP MODE BEGIN", release the FEED Key. The Printer will print "DUMP MODE BEGIN". The Printer is now in Dump Mode.
- 6. Send commands to the Printer and check to see if the commands printed are the same commands sent by your application.
- 7. Press the FEED Key to exit Dump Mode. The Printer will print "OUT OF DUMP MODE" to confirm that it is no longer in Dump Mode.

LCD Error Messages and Descriptions





Blinking Slowly

Steady

LCD	LED I	.ights	Poon	Description	Solution
Message	Ribbon	Media	веер	Description	Solution
Printhead is opened			4	The Printhead not firmly locked in place.	Re-open the Printhead and make sure it closes tightly.
Entering the Cooling Process	×	×		Printhead temperature is too high.	Printer goes back to standby mode after cooling.
Out of ribbon or				No ribbon is installed and using Direct Thermal stock.	Make sure the Printer is in Direct Thermal mode.
sensor			3	The ribbon is used up or the Ribbon Supply Shaft is not moving.	Replace with new ribbon roll.
Out of media or			1	The moveable sensor is unable to detect paper.	Make sure the movable sensor mark is at the correct position. If the sensor is still unable to detect the paper, then go through the Auto Sensing steps again.
sensor				The label stock is used up or label sensor can't detect paper.	Replace with new roll of labels. If the moveable sensor is still not able to detect the paper, then go through the Auto Sensing steps again.
Check paper setting			1	Improper paper feed.	 Possible causes: Media falling into the gap behind the platen roller. Can't find label gap/black mark. Perform Auto Sensing procedure. Black mark paper out.
CF Card not found			2	CF Card is not installed or installed incorrectly.	Install the CF Card correctly.
Memory Full			2	Memory is full.	Delete unnecessary data in the memory.
Rewinder Full			2	The Rewind is full.	Remove the labels from the Rewind.
Filename cannot be found	*		2	Cannot find the file.	Use "~X4" command to print out all the files and check whether the file exists and if the name is correct.
Filename repeated		×	2	Another file with this name exists.	Change the file name and download again.



NOTICE!

The Printer repeats all warning beeps. For example when the Printer's Printhead is opened, the Printer will beep four times, pause, and then beep four more times.

Problems and Recommended Solutions

Problem	Recommended Solution
LCD shows no message after	 Check the power cord.
switching the Printer on.	
LED light turns red (power/status)	 Check for software setting or program command errors
after printing stops.	 Check if labels or ribbon is out and replace with suitable
	labels or ribbon.
	 Check if label stock is jammed.
	 Check if Printhead Mechanism is closed (Printhead is not
	positioned correctly).
	 Check if sensor is blocked by paper/label.
	 If Cutter is installed, check that it is working and working and working
Drinting, started but wething we	property.
Printing started but nothing was	 Check that the ribbon is installed with the inked side facing
printed on the label.	the label media.
	 Select the correct Printer driver. Select the correct Printer driver.
The labels is some all the or write time.	Select the correct label stock and print mode.
The labels jammed when printing.	 Clear the label jam and check that the Printhead is clean.
Only part of the label was printed.	 Check if label or ribbon is stuck on the Printhead.
	 Check if application software has errors.
	 Check if start position setting has errors. Check if sikken has uninder
	 Check if ribbon has wrinkles.
	 Cneck if Ribbon Supply Shaft is creating friction with the slates willow. If the slates willow peeds to be works and
	platen roller. If the platen roller needs to be replaced,
	please contact your Reseller for more information.
Davit of the John Lunce wet winted	Cneck if power supply is within the voltage range.
Part of the label was not printed	 Check if Printhead is dirty. Use interval environmental "T" to need on the Drint and
completely.	 Use Internal command "~I" to perform a Test Print and shock if the Drinth and committee print access its antige width
	check if the Printhead can print across its entire width.
Drinter tract in the size of a solition	
Printout not in desired position.	 Check if sensor is covered by paper or is dirty. Check if line is suitable for use a place south at Decellar for
	• Check if liner is suitable for use, please contact Reseller for
	more information.
Lebele are altimated while printing	
Labels are skipped while printing.	 Check if error occurs on label height setting. Check if the company is according to the provide the providet the provid
Orecord as a loss la loss a visto est	• Check if the sensor is covered by paper or is dirty.
Smudged or blurry printout.	 Check print darkness setting.
The second states to the second state	Check if Printnead is dirty.
I he cutter did not cut straight.	 Check if label stock is installed correctly.
I ne cutter did not cut the label	 Check if the label thickness exceeds 0.16mm (.006").
SUCCESSIUIIY.	A Charle if Cutton is installed a
when using the Cutter the labels	Check if Cutter is installed properly.
could not reed or abnormal cutting	 Check if Paper Feed Rods are sticky. Check that labels are stored at 25 (1.20%) high are in
	 Cneck that label is greater than 35mm (1.38") high so it
	can clear the Cutter.
I ne Stripper Sensor is not	 Check if Stripper Sensor is covered with dust.
iunctioning correctly.	 Check if labels are installed properly.

Appendix C. Maintenance and Adjustment

Thermal Printhead Cleaning



CAUTION!

The Printhead is the Most Fragile part of your Printer. Do NOT use sharp or hard objects to clean the Printhead. Do NOT touch the glass surface of the Printhead with your hand.

CAUTION!

During the print process the Printhead will become hot. Do NOT attempt to clean the Printhead until it has had time to cool.

Printing labels will cause dirt such as paper dust, particles of ink and label adhesive to accumulate on the Thermal Printhead. This can cause poor print quality and incomplete printouts. When this happens the Printhead must be cleaned:

- 1. Turn the Printer Off.
- 2. Open the Top Cover.
- 3. Pull the Printhead Lever out and rotate it upward to the right (counterclockwise) to open the Thermal Printhead.
- 4. Remove the label stock and ribbon from the Printer.
- 5. Clean the Printhead surface (see arrow) with a special cleaning pen or a cotton swab soaked in Isopropyl Alcohol.
- 6. Allow the Printhead to dry for 2-3 minutes before turning the Printer back on.





NOTICE!

To help keep the Printhead clean, the Top Cover of the Printer should be closed when printing. To ensure print quality and prolong Printhead life, do NOT use dusty or dirty print media in the Printer.



NOTICE!

Recommended cleaning intervals for the Thermal Printhead: Direct Thermal Printing – Each time the label roll is changed. Thermal Transfer Printing – Each time the ribbon is changed.

Printhead Module Installation / Removal Instructions



Printhead Print Line Adjustment

When printing on stiff or thick paper, the Print Line needs to be moved forward (paper feed direction) in order to achieve better print quality.



Thermal Printhead Balance Adjustment

If one side of the printed labels is not being printed clearly, or if ribbon wrinkles occur, then adjust the Thermal Printhead Spring Box position to cure the problem.

- 1. Pull the Printhead Lever out and rotate it upward to the right (counterclockwise) to open the Printhead.
- 2. Move the Thermal Printhead Spring Box on the right side. Normally, the wider the paper, the farther the Thermal Printhead Spring Box will be from the center wall and for narrower paper, the Thermal Printhead Spring Box will be closer to the center wall.
- 3. To adjust the TPH Spring Box pressure, use a flat tip screwdriver to turn the screw clockwise to increase the pressure or counterclockwise to decrease the pressure.



Ribbon Tension Adjustment

Due to differences in ribbon material, ribbon wrinkles may occur during printing. When this happens increase the ribbon tension by:

- 1. Pushing the end of the shaft in.
- 2. Then turn the ribbon shaft clockwise to increase the tension.

If narrower ribbons are being used (especially ribbon widths of less than 2"), the Printer might have a problem feeding labels. When this happens decrease the ribbon tension by:

- 1. Pushing the end of the shaft in.
- 2. Then turn the ribbon shaft counterclockwise to decrease the tension.



Ribbon Shield Adjustment

If ribbon wrinkle occurs during printing, adjust the ribbon shield. Example: If ribbon wrinkle occurs as shown in figure (a), please turn the ribbon shield screw A clockwise, and if ribbon wrinkle occurs as shown in figure (b), please turn the ribbon shield screw B clockwise. LABEL TEST LABEL TEST 1234567890 1234567890 COMPANY NAME COMPANY NAME SAMPLE SAMPLE 1234567890 1234567890 (a) (b) For best results, only adjust the screw by one half turn for each test print. The maximum adjustment of the screw is two revolutions. If the screws are turned more than the acceptable range, the paper feed may not be smooth. 0

Auto Sensing

Using Auto Sensing the Printer automatically detects and records the label type and length (gap or black mark paper). Then the Printer can accurately detect the label positions.

- 1. Adjust the Moveable Sensor so that it is located in a position to sense the label gaps or black marks.
- 2. Turn the Printer Off and press and hold the PAUSE Key.
- 3. Turn the Printer On while holding down the PAUSE Key.
- 4. The Printer will beep 3 times and the LCD will display "Auto Sensing Mode" then release the PAUSE Key.
- 5. The Printer will now detect and record the label size/length.
- 6. The LCD will display the measurement in dots and the Printer will go back into Standby Mode.

NOTICE!

Generally, the Printer should be set to Auto Mode and the Auto Sensing procedure will detect the label stock correctly. Some label stock has gaps AND black marks. This can cause the Printer to NOT correctly detect the label stock. If this happens, the Auto Sensor Option should be set to Black Mode or Gap Mode based on what you wish to base the label size on.

Upgrading the Printer's Firmware

The Printer's firmware can be upgraded in the field by performing the following procedure:

- 1. Connect the Printer to a computer.
- 2. Unzip the firmware files and save them to a directory on your computer.
- 3. Start the Download Tool program by double clicking on DownloadTool.exe.
- Select the port that is being used to communicate with the Printer and click the "Download Firmware" button. If downloading via the serial port the baud rate MUST be set to 115200 in the Printer.

🖫 Download Too	l 1.5.0.0 📃 🗖 🔀
Download Firmware	Connection Port USB
Download True Type Font	Font Number

 This will bring up a Browse Window displaying the firmware (.bin) files that can to be downloaded to the Printer. Select the appropriate firmware file (H400.BIN for the H-400 Series and H600.BIN for the H-600 Series) and click "Open".

Open					? 🗙
Look jn:	🗀 H1.100e		•	+ 🗈 💣	
My Recent Documents Desktop	■H400.BIN ■H600.BIN				
My Documents					
	File <u>n</u> ame:			•	<u>O</u> pen
My Computer	Files of type:	*.bin (binary file)		•	Cancel

- 6. After the "Open" button is clicked, the firmware download process will start immediately. A blue progress bar will pop up to display the progress of download.
- 7. When the progress bar reaches "100%", the firmware download is complete. As the download finishes, the Ribbon and Media light will alternately flash slowly and then rapidly.
- 8. The Printer will now reset. Please wait for Printer to complete the reset procedure. The Printer will return to "Ready to print" status after the reset.
- 9. The new firmware version will be displayed on the Printer's LCD. This confirms that the firmware has been updated.

Downloading True Type Fonts to the Printer's Flash Memory

- 1. Start the Download Tool program by double clicking on DownloadTool.exe.
- 2. Select a 'Font Number' that will be used to identify the downloaded TrueType Font.

🖥 Download Too	l 1.5.0.0 📃 🗖 🔀
Download Firmware	Connection Port USB
Download True Type Font	Font Number
	TA TB TC TD TD TE TF TG TH

3. Click the "Download TrueType Font" button, the program will show a list of TrueType Fonts that are available for download. Select a TrueType Font and click "OK".

inap ITC (TrueType)	SNAPTTF	63196 Bytes	
itencil (TrueType)	STENCIL.TTF	55596 Bytes	
iylfaen (TrueType)	sylfaen.ttf	221676 Bytes	
ymbol (TrueType)	SYMBOL.TTF	69464 Bytes	
ahoma (TrueType)	TAHOMA.TTF	383140 Bytes	
ahoma Bold (TrueType)	TAHOMABD.TTF	355436 Bytes	
EC-FONT A Odet (TrueType)	TECFNTA.TTF	11844 Bytes	
EC-FONT B Helv (TrueType)	TECFNTB.TTF	38736 Bytes	
EC-FONT D Helv (TrueType)	TECFNTD.TTF	38780 Bytes	
empus Sans ITC (TrueType)	TEMPSITC.TTF	76100 Bytes	
imes New Roman (TrueType)	TIMES.TTF	409280 Bytes	
imes New Roman Bold (TrueType)	TIMESBD.TTF	398372 Bytes	

4. After the "Open" button is clicked, the download process will start immediately. A blue progress

5. When the progress bar reaches "100%", the TrueType Font download is complete and the TrueType Font is stored in the Printer's Flash memory.

Clearing Cutter Jams on the H-400 Series Cutter

- 1. If the Cutter jams or malfunctions turn the Printer Off.
- 2. There is a hole (marked "A") on each side of the Cutter. Insert a 3mm hex key into one of these holes and use the key to turn the cutter blade clockwise.
- 3. After the problem is corrected, turn the Printer back on and the cutter blade will go back to its original position.

Note: It is recommended to use labels greater than 35mm (1.38") in height in order for them to clear the Cutter.



Cleaning Adhesive from the H-400 Series Cutter Blade

When using adhesive labels, the cutter may malfunction due to a build up of adhesive on the blade. When this happens it will be necessary to clean the Cutter Blade:

- 1. Turn the Printer Off.
- 2. Remove the Cutter assembly from the Printer.
- 3. Wet a cotton swab in Isopropyl Alcohol and use it to remove any build-ups of adhesive.
- 4. There is a hole (marked "A") on each side of the Cutter. Insert a 3mm hex key into one of these holes and use the key to turn the cutter blade clockwise to allow access to the entire length of the blade.
- 5. Allow the cutter to dry for 10 minutes.
- 6. Re-install the Cutter assembly and turn the Printer back On. The cutter blade will go back to its original position.

