

Model: Finisher-H1

Ref. No. : FF-T01-W-000126-01

Date : November 22, 2000

©Canon (UK) Limited

Location: Finisher-H1

Subject: Introduction of New Product, Finisher-H1

Reason: The Finisher-H1 will soon be marketed, and this bulletin is prepared to indicate how they differ from the existing Finisher-C1.

Details: 1. Specifications

Item	Finisher-C1	Finisher-H1
Product Code	F24-4701	F24-4721
Machine no.	ZLJ×××××	XBP×××××

2. Point to change

①Attachment kit

The part making the attachment kit is to be changed to correspond to the main body of CP2120/2150.

②Corresponding to the size 305mm×457mm or 12"×18" paper

The part is to be changed in the finisher delivery path to correspond to the size 305mm×457mm or 12"×18" paper.

③Delivery path for thick paper

When the thick paper is specified by the connecting main body, the finisher delivers the thick paper via the straight path (the small-sized path described in the Finisher-C1/Saddle Finisher-C2 /P2-13, B. Types of Delivery Paths), regardless of paper size or mode (non-sort, sort, staple).

④Addition of "tray up and down motion stop mode"

When the tray is lowered in loading a large no. of paper with non-sort mode (movement of tray up and down for 50mm conducted every delivery of 5 sheets), noise (occurs after approx. 300 sheets of large-sized paper, 500 sheets of small-sized paper) occurs because the trailing edge of paper in bundle is rubbed with the hurdle guide on the cover of finisher. Due to this, the "tray up and down movement stop mode" is to be added by switching the DIPSW1 on the finisher controller PCB.

When noise occurs in the field due to the above cause, the "tray up and down movement stop mode" is to be set as a measure. The method is as follows:

Procedure

- 1) Remove the rear cover in the finisher assembly.
- 2) Switch on the DIPSW1 Bit2 on the finisher controller PCB.
With this, the “tray up and down movement stop mode” is set.
- 3) Attach the rear cover in the finisher assembly.

3. Differences in service parts

The changed/newly-added part is shown below (refer to the attached materials). In addition, refer to the attachment for the part changed after putting the existing Finisher-C1 in the market.

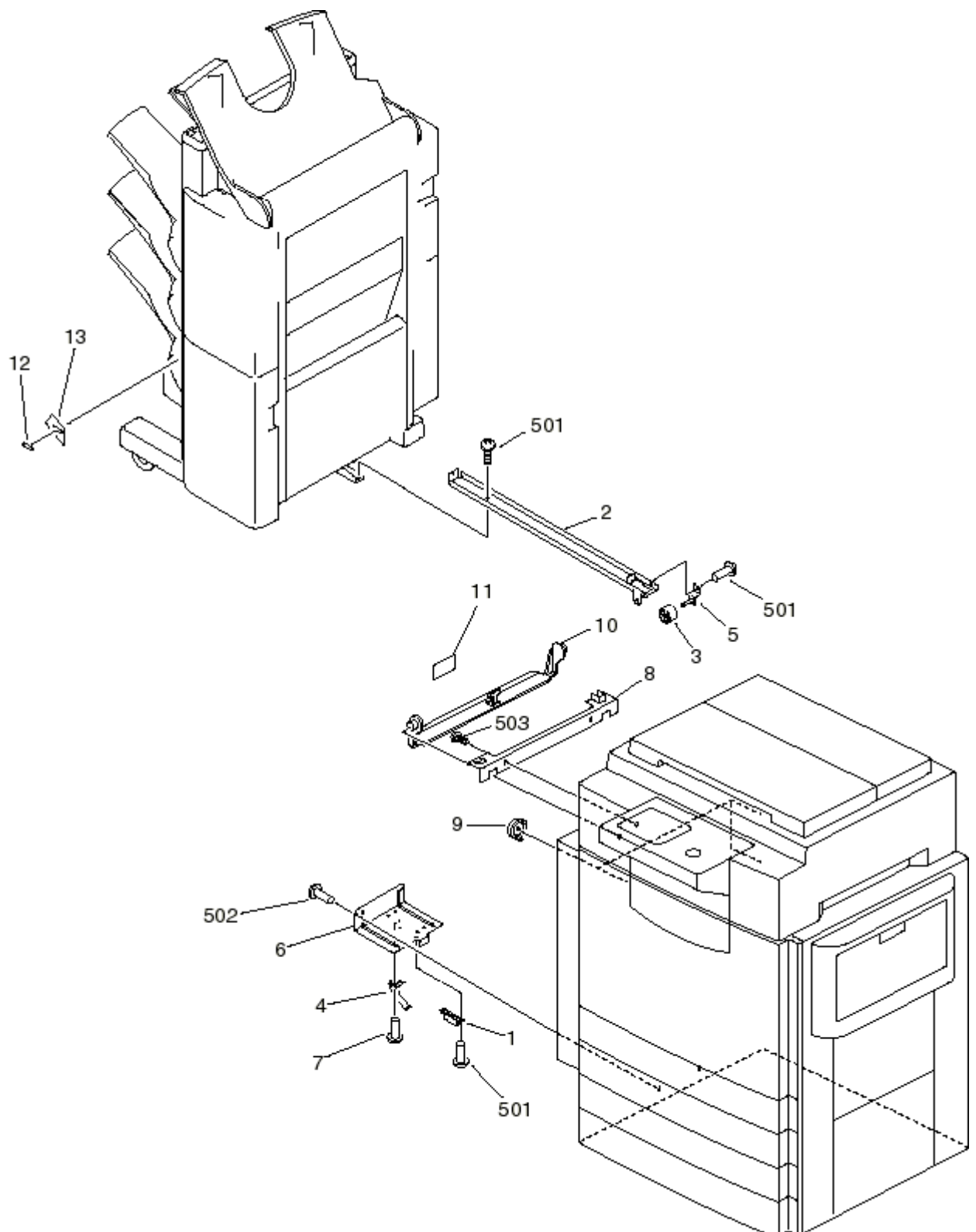
Figure & Key No.	Part number	Part number	Q't y	Description	Remarks
	Finisher-C1	Finisher-H1			
T01-2	FB3-7330-000	FB5-3914-000	1	PLATE, RAIL	Changed
T01-21	FB3-7435-000	FB5-1714-000	1	PLATE, LATCH	New
—	—	FB5-3908-000	1	GUIDE, FINISHER INLET	New
—	—	FB5-1713-000	3	CAP	New
—	—	FB5-3912-000	1	SHEET, SWING GUIDE	New
—	—	FB5-3915-000	1	SHEET, CENTER GUIDE	New
—	—	FB5-3916-000	1	SEAL, COVER	New
T10-15H	FB4-6828-000	FF6-0623-000	2	GUIDE, HURDLE (4)	Changed
T31-8	FF5-5654-000	FF6-0622-000	1	PLATE, DRIVE	Changed
T31-9	FF5-7553-000	FF6-0625-000	1	GUIDE, SWING	Changed
T36-2	FF5-7557-000	FF6-0624-000	1	GUIDE, CENTER	Changed
T10-15	FG5-8170-000	FG6-5876-000	1	LOWER HURDLE GUIDE ASSEMBLY	Changed
T31-	FG5-8172-000	FG6-5880-000	1	SWING GUIDE ASSEMBLY	Changed
T36-	FG5-8152-000	FG6-5878-000	1	CENTER FEEDER ASSEMBLY	Changed
T41-	FG5-8182-000	FG6-6851-000	1	CABLE MAIN BODY ASSEMBLY	Changed
T90-	FG5-8184-000	FG6-6852-000	1	FINISHER CONTROLLER PCB ASS'Y	Changed
T90-1	FF5-5685-000	FF6-0839-000	1	IC, M27C1001-80XF1, EP-ROM	Changed
T36-3	FB3-7419-000	FB3-7419-030	1	GUIDE	Changed

Points to Note for Servicing:

- For information on servicing, see the Service Manual (FY8-13F6-010) for the Finisher-C1/Saddle Finisher-C2. (The periodical maintenance and consumables are same as that of the Finisher-C1.)
- For service parts, see the Parts Catalog (FY8-31DQ-000) for the Finisher-C1.

Please place pages of parts catalogue in your existing Finisher-C1 parts catalogue in your library.

Fig. T01: MAIN BODY PARTS



Service Part:

FIGURE & KEY No.	Part No.	Q'TY	Description	Rank	Remarks
T01	NPN	RF	MAIN BODY PART		
-1	FC1-6314-000	1	SHOE, SLIDE		Changed
-2	FB5-3914-000	1	PLATE, RAIL		
-3	FA6-0914-000	1	ROLLER, CASTER		
-4	FA6-0777-020	1	SPRING, CROUNDING		
-5	FF5-7550-000	1	PLATE, RAIL		
-6	FF5-5700-000	1	MOUNT		
-7	XA9-0265-000	1	SCREW, W/TOOTHED WASHER, (S)		
-8	FB5-1714-000	1	PLATE, LATCH		New
-9	FB5-1713-000	3	CAP		New
-10	FB5-3908-000	1	GUIDE, FINISHER INLET		New
-11	FB5-3916-000	1	SEAL, COVER		New
-12	FB4-8345-000	1	LABEL		
-13	FB4-9692-000	1	LABEL TRAY SETTING		
-501	XB6-7400-609	4	SCREW, MACHINE M4X6		
-502	XB1-2401-606	2	SCREW, MACHINE M4X6		
-503	XB2-7401-607	2	SCREW, W/WASHER, M4X6		

Fig. T10: Covers (1/2)

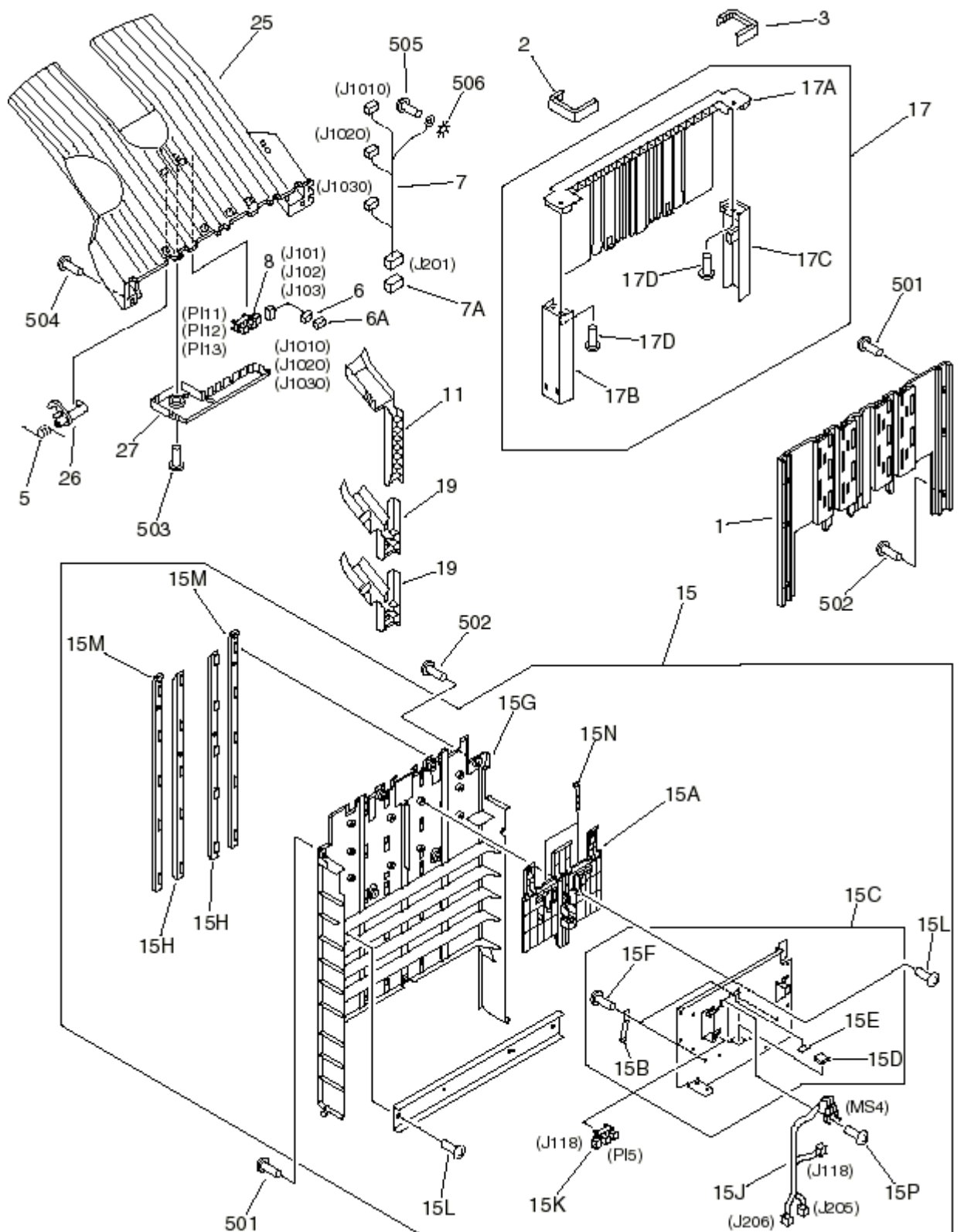
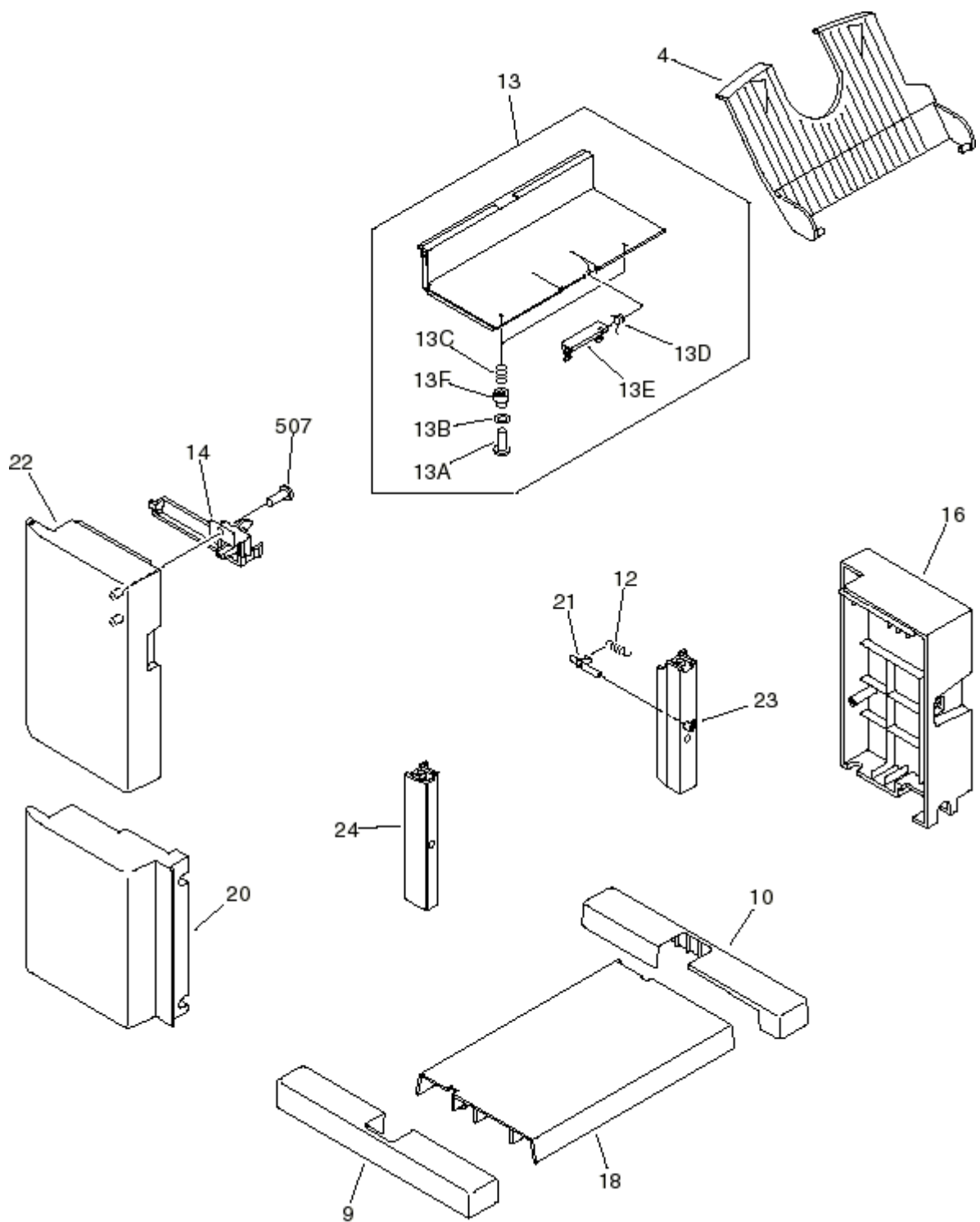


Fig. T10: Covers (2/2)

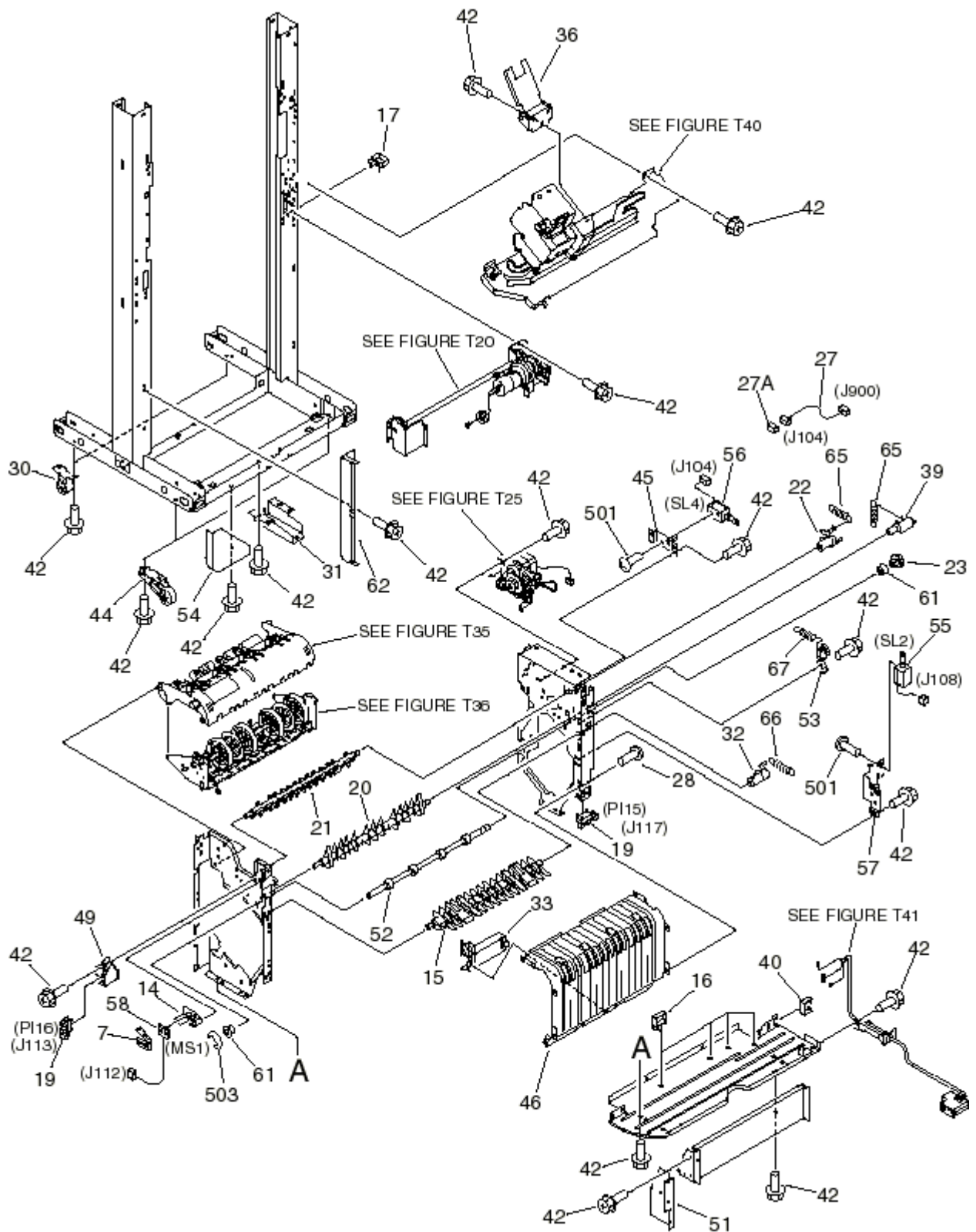


Service Part:

FIGURE & KEY No.	Part No.	Q'TY	Description	Rank	Remarks
T10	NPN	RF	COVERS		
-1	FB3-7315-000	1	MOUNT, SENSOR		
-2	FB3-7376-000	1	CAP, COVER, FRONT		
-3	FB3-7377-000	1	CAP, COVER, REAR		
-4	FB3-7358-000	1	TRAY		
-5	FS6-2556-000	3	SPRING, TORSION		
-6	FF5-5689-000	3	CABLE, TRAY SENSOR		
-6A	VS1-5057-003	3	CONNECTOR, 3P		
-7	FF5-5691-000	1	CABLE, TRAY CONNECTOR		
-7A	VS1-5057-009	1	CONNECTOR, 9P		
-8	WG8-5309-000	3	PHOTO-DETECTOR, EE-SX1235A-P2		
-9	FB3-7321-000	1	COVER, LOWER, FRONT		
-10	FB3-7324-000	1	COVER, LOWER, REAR		
-11	FB3-7309-000	1	COVER, PLUG, 1		
-12	RS5-2596-000	1	SPRING, TENSION		
-13	FG5-8147-000	1	TOP COVER ASSEMBLY		
-13A	XB4-7300-807	2	SCREW, TAP TIGHT BINDING HEAD		
-13B	FS5-6516-000	2	WASHER		
-13C	FS6-2544-000	2	SPRING, COMPRESSION		
-13D	FS6-2545-000	1	SPRING, TORSION		
-13E	FB3-7356-000	1	LATCH		
-13F	FB3-7357-000	2	PIECE, PRESSURE		
-14	FB3-7370-000	1	COVER		
-15	FG6-5876-000	1	LOWER, HURDLE GUIDE ASSEMBLY		Changed
-15A	FB3-7335-020	1	SHUTTER, HURDLE		
-15B	FB5-5908-000	2	SPRING, LEAF		Changed
-15C	FF6-0639-000	1	PLATE, SHUTTER		Changed
-15D	FB3-7253-000	1	DAMPER		
-15E	FB3-7285-000	1	DAMPER, SHUTTER		
-15F	XB1-2300-409	2	SCREW, MACHINE M3X4		
-15G	FB5-6249-000	1	GUIDE, HURDLE, LOWER		Changed
-15H	FF6-0623-000	2	GUIDE, HURDLE		Changed
-15J	FF3-4080-000	1	CABLE, SENSOR		Changed
-15K	WG8-5364-000	1	IC, PHOTO-INTERRUPTER, GP		Changed
-15L	XB4-7400-809	12	SCREW, TAPPING, TRUISS HEAD, M4X8		
-15M	FB4-6827-000	2	PLATE, HURDLE		

-15N	FB3-9408-000	2	SPRING, LEAF	Changed
-15P	XB1-2230-809	2	SCREW, MACH, TRUSS HEAD, M2.3X8	
-16	FF5-7581-000	1	PANEL, REAR	
-17	FG5-8164-000	1	SLIDE GIDE ASSEMBLY	
-17A	FB3-7316-000	1	GUIDE, SLIDE	
-17B	FB3-7378-000	1	COVER, SLIDE, FRONT	Changed
-17C	FB3-7379-000	1	COVER, SLIDE, REAR	
-17D	XB4-7401-009	2	SCREW, BINDING HEAD SELFTAPPING	
-18	FB3-7326-000	1	COVER, BUTTOM	
-19	FB3-7439-000	2	COVER, PLUG, 2	
-20	FB4-8149-000	1	COVER, FRONT, LOWER	
-21	FB3-7310-000	1	FLAG, SENSOR	
-22	FF5-7552-000	1	COVER, FRONT	
-23	FB3-7313-000	1	COVER, RIGHT, REAR	
-24	FB3-7312-000	1	COVER, RIGHT, FRONT	
-25	FB3-7305-000	3	TRAY, FACE-UP	
-26	FB3-7307-000	3	LEVER, SENSOR	
-27	FB3-7308-000	3	COVER, TRAY SENSOR	
-501	XB4-7401-207	8	SCREW, BH M4X12	
-502	XB6-7300-806	4	SCREW, TP, M3X8, LOP	
-503	XB4-7300-609	6	SCREW, MACH, PAN HEAD, M3X8	
-504	XB6-7400-609	6	SCREW, MACHINE M4X6	
-505	XB1-2400-409	1	SCREW, MACH, TRUSS HEAD, M4X4	
-506	XD1-4200-402	1	WASHER, TOOTHED LOCK, M4	
-507	XB4-7400-807	2	SCREW, TAPPING, TRUSS HEAD, M4X8	

Fig. T11: Staple Tray (1/2)

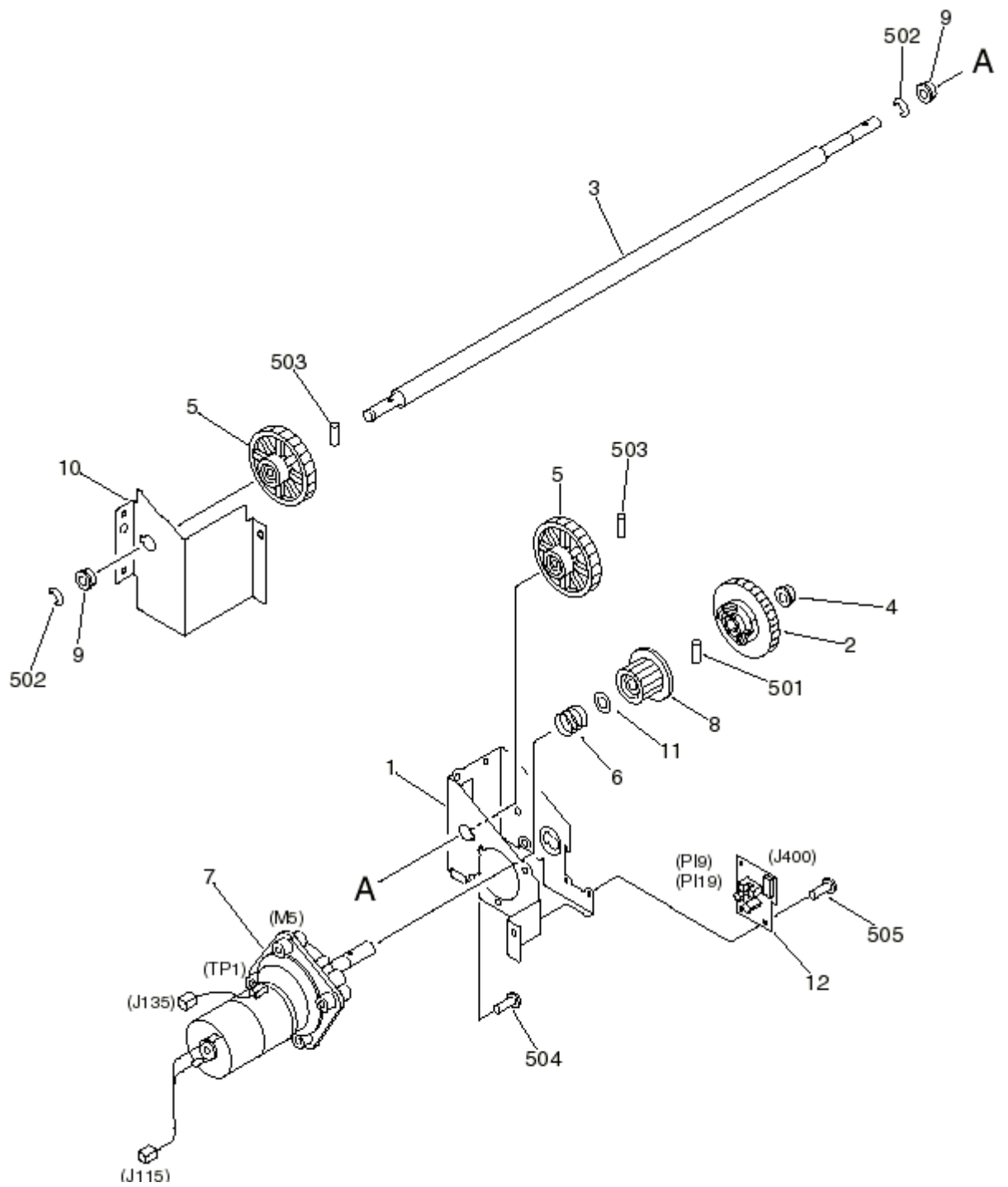


Service Part:

FIGURE & KEY No.	Part No.	Q'TY	Description	Rank	Remarks
T11	NPN	RF	STAPLE TRAY (1)		
-1	FB3-7314-000	1	GUIDE, PAPER FEED		
-2	FB3-7322-000	2	PLATE, PIN		
-3	FB3-7317-000	1	MOUNT, SLIDE		
-4	FB3-7345-000	1	HOLDER, SENSOR		
-5	FB3-7350-000	1	HOLDER		
-6	FB3-7351-000	1	MOUNT, SENSOR		
-7	FB4-0656-000	1	SPRING, LEAF		
-8	FS6-2563-000	1	SPRING, LEAF		
-9	FS6-2564-000	1	SPRING, COMPRESSION		
-10	FB3-7353-000	1	BRACKET		
-11	FB3-7369-000	1	GUIDE, INNER		
-12	FB3-7339-000	1	DUCT, SENSOR		
-13	FH7-7418-000	1	DISTANCE, SENSOR MODULE		
-14	FB3-7399-000	1	HOLDER, SWITCH		
-15	FF5-7584-000	1	DEFLECTOR, PAPER INLET		Changed
-16	WT2-5018-000	10	CLIP, CABLE		
-17	WT2-0317-000	9	CLIP, CABLE		
-18	WT2-0434-000	3	CLIP		
-19	WG8-5309-000	3	PHOTO-DETECTOR, EE-SX1235A-P2		
-20	FB3-7403-000	1	DEFLECTOR		
-21	FB3-7404-000	1	DEFLECTOR, SUB TRAY		
-22	FB3-7405-000	1	BLOCK, DEFLECTOR, B		
-23	FS5-3549-000	1	GEAR, 21T		
-24	RF5-1866-000	1	CABLE, SENSOR		
-24A	VS1-5057-004	1	CONNECTOR, 4P		
-25	FF3-3835-000	1	MICROSWITCH		Changed
-26	WC4-5130-000	1	MICROSWITCH		
-27	FF5-5695-000	1	CABLE, CONNECTOR		
-27A	VS1-5057-003	1	CONNECTOR, 3P		
-28	4S1-9002-000	9	SCREW, M4X6		
-29	FF5-7559-000	1	COVER, INNER		Changed
-30	RB2-1624-000	2	CASTER		
-31	FB3-7352-000	1	MOUNT, RAIL		
-32	FB3-7407-000	1	BLOCK, DEFLECTOR. D		
-33	FB3-7398-000	1	GUIDE, CABLE		
-34	FB3-7368-000	1	SHAFT, ROLLER, PAPER FEED		
-35	FB3-7408-000	1	PPC LATCH ASSEMBLY		

-36	FB3-7375-000	1	BRACKET, STAPLE		
-37	WT2-0204-000	1	CLIP, CABLE		
-38	FB3-7436-000	2	PLATE, HINGE		
-39	FB3-7406-000	1	BLOCK, DEFLECTOR, C		
-40	WT2-0136-000	4	CLAMP, CORD		
-41	FB4-6831-000	1	BLACKET, CABLE		
-42	XA9-0732-000	AR	SCREW, RS, M4		
-43	FS6-2567-000	1	SPRING, LEAF		
-44	FB4-0655-000	2	CASTER		
-45	FB3-7366-000	1	MOUNT, SOLENOID, B		
-46	FB3-7433-000	1	GUIDE, CENTER		
-47	FB4-0657-000	1	PLATE, GROUNDING		
-48	FB4-0659-000	1	GUIDE, CABLE, A		
-49	FB3-7434-000	1	MOUNT, SENSOR		
-50	FB4-0660-000	1	GUIDE, CABLE, B		
-51	FB4-8151-000	1	PLATE, COVER, A		
-52	FB4-6662-000	1	ROLLER, PAPER, FEED		Changed
-53	FF5-5662-000	1	PLATE, TENSSION		
-54	FB4-8152-000	1	PLATE, COVER, B		
-55	FF5-5667-000	1	SOLENOID		
-56	FF5-5668-000	1	SOLENOID		
-57	FB4-6830-000	1	MOUNT, SOLENOID		Changed
-58	FF5-5682-000	1	CABLE, SENSOR		
-59	FS1-1187-000	1	BUSHING		
-60	FS1-1213-000	1	BUSHING		
-61	XG9-0407-000	2	BEARING, BALL, UGF106P12ZZD4ML		Changed
-62	FB4-8150-000	1	PLATE, COVER		
-63	FS5-3561-000	1	PULLEY, 26T		
-64	FS6-2547-000	1	SPRING, COMPRESSION		
-65	FS6-2549-000	2	SPRING, TENSSION		
-66	FS6-2551-000	1	SPRING, TENSSION		
-67	FS6-2553-000	1	SPRING, TENSSION		
-68	FB4-8148-000	1	GUIDE		
-69	VT2-5027-005	3	SPACER, CARD		
-501	XB1-2300-409	6	SCREW, MACHINE M3X4		
-502	XB4-7302-505	2	SCREW, MACH, TRUSSHEAD, M3X2		
-503	XD2-1100-502	4	RETAINING RING (E-TYPE)		
-504	XD3-2200-102	1	PIN, PARALLEL		
-505	XB4-7401-207	1	SCREW, BH M4X12		
-506	XB1-2300-609	6	SCREW, MACHINE M3X6		

Fig. T20: Tray Drive Assembly



Service Part:

FIGURE & KEY No.	Part No.	Q'TY	Description	Rank	Remarks
T20	FG6-4763-000	1	TRAY DRIVE ASSEMBLY		Changed
-1	FB4-0653-000	1	BRACKET, DRIVE		
-2	FB4-0658-000	1	CAM		
-3	4A1-2005-000	1	SHAFT, TRAY		
-4	FS1-1273-000	1	BUSHING, PL		
-5	4A1-2004-000	2	GEAR, 48T		
-6	FS6-2561-000	1	SPRING, COMPRESSION		
-7	FG3-0878-000	1	MOTOR, DC24V		Changed
-8	FB3-7342-000	1	GEAR, 22T		
-9	FS1-1189-000	2	BUSHING, ABS		
-10	4A1-2003-000	1	BRACKET, DRIVE, SMALL		
-11	FS5-6527-000	1	WASHER		
-12	FG5-8190-000	1	SENSOR PCB ASSEMBLY		
-501	XD3-2200-162	1	PIN, PARALLEL		
-502	XD2-1100-642	2	RING, E		
-503	XD3-2300-162	2	PIN, PARALLEL		
-504	XB4-7300-809	2	SCREW, TAP, BINDING HEAD, M3X8		
-505	XB1-2300-609	1	SCREW, MACHINE M3X6		

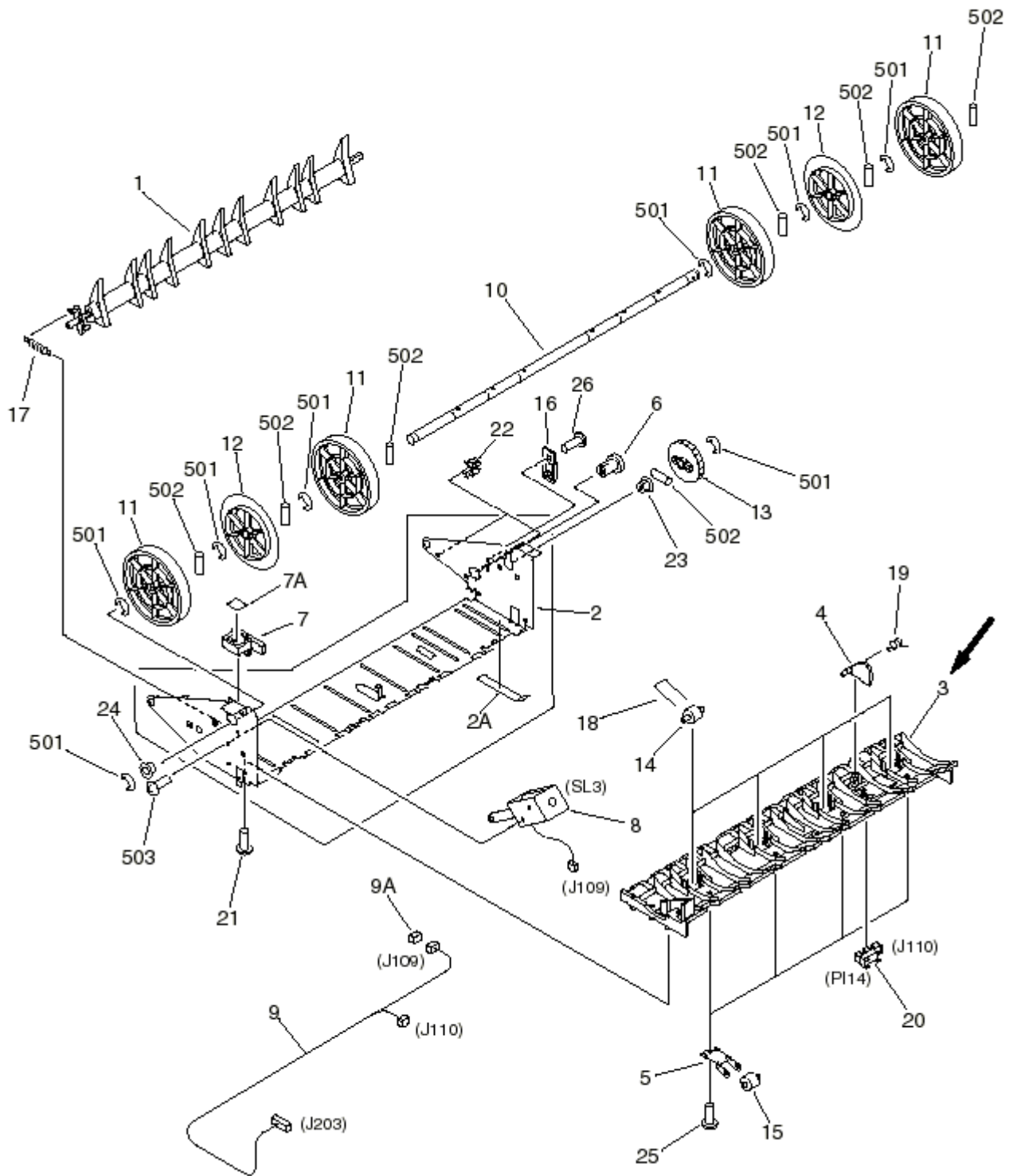
This exploded perspective view illustrates the assembly of a mechanical device. The main body is a rectangular frame (2) with a long horizontal arm (5) extending from one side. The arm is connected to a vertical support structure (9) via a hinge mechanism (11, 24). The support structure includes a vertical plate (9A) and a horizontal plate (9B). A long vertical rod (1) passes through the center of the assembly, supported by a series of bearings (14, 15, 16, 17, 21) and a central support (19). The rod is connected to a horizontal plate (9C) and a vertical plate (9D). A long horizontal rod (18) is attached to the end of the arm (5) via a hinge (18). The assembly is shown in an exploded view, with various components labeled with numbers (1, 2, 3, 4, 5, 6, 7, 8, 9A, 9B, 9C, 9D, 9E, 9F, 9G, 9H, 9J, 9K, 10, 10A, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 501, 502, 503, 504, 505, 506) and letters (A, B, C) indicating their relative positions and assembly order.

Service Part:

FIGURE & KEY No.	Part No.	Q'TY	Description	Rank	Remarks
T31	FG6-5880-000	1	SWING GUIDE ASSEMBLY		Changed
-1	FF5-5670-000	1	ARM, STOP, FRONT		
-2	FB3-7283-000	1	LEVER, SWING		
-3	FB3-7284-000	1	SPRING, RETAINER		
-4	FB4-8153-000	2	HOLDER, ROLLER		Changed
-5	FB3-7288-000	1	SHAFT		
-6	FB3-7289-000	1	SHAFT, ROLLER		
-7	FF5-5671-000	1	ARM, STOP, REAR		
-8	FF6-0622-000	1	PLATE, DRIVE		Changed
-9	FF6-0625-000	1	GUIDE, SWING		Changed
-9A	FB3-7279-000	1	ELMINATOR, STATIC CHARGE, A		
-9B	FB4-9054-000	1	ELMINATOR, STATIC CHARGE		Changed
-9C	4A1-2449-000	1	PLATE, GROUNDING, FRONT		Changed
-9D	4A1-2250-000	1	PLATE, GROUNDING, REAR		Changed
-9E	4A1-2450-000	1	PLATE, GROUNDING,		
-9F	FB4-6650-000	2	EKMINATOR, STATIC CHARGE, D		
-9G	FB4-8147-000	2	SHEET, SILENCER		Changed
-9H	FB4-6651-000	1	ELMINATOR, STATIC CHARGE, E		
-9J	FB5-3912-000	1	SHEET, SWING GUIDE		New
-9K	FB4-9053-000	1	ELMINATOR, STATIC CHARGE		Changed
-10	FF5-7555-000	2	PLATE		
-10A	FB3-7285-000	1	DAMPER, SHUTTER		
-11	FB4-6826-000	2	MOUNT, PADDLE		
-12	FS5-3541-000	1	GEAR, 21T		
-13	FS5-3542-000	1	GEAR, 21T		
-14	FS5-6514-020	2	ROLLER		
-15	FS5-6531-000	2	ROLLER		Changed
-16	FS6-2541-000	1	SPRING, COMPRESSION		
-17	FS6-2542-000	1	SPRING, TENSION		
-18	FS6-2562-000	1	SPRING, TENSION		
-19	FB4-8146-000	1	WEIGHT		
-20	FH7-5707-000	1	SOLENOID		
-21	RB1-2190-000	1	COLLAR, SPRING		
-22	FS6-2648-000	1	SPRING, COMPRESSION		
-23	FS5-1805-000	2	BUSHING		
-24	FB4-6825-000	4	PADDLE		

-25	FB4-6649-000	1	PLATE, GROUNDING		
-501	XB1-2300-409	1	SCREW, MACHINE M3X4		
-502	XB4-7400-809	3	SCREW, TAPPING, TRUISS HEAD,		
-503	XD2-1100-502	3	M4X8		
-504	XD3-2200-082	1	RETAINING RING (E-TYPE)		
-505	XD2-2300-302	2	PIN, PARALLEL		
-506	XB4-7401-009	2	WASHER, RETAINING 3.0MM (SUS)		
			SCREW, BINDING HEAD SELFTAPPING		

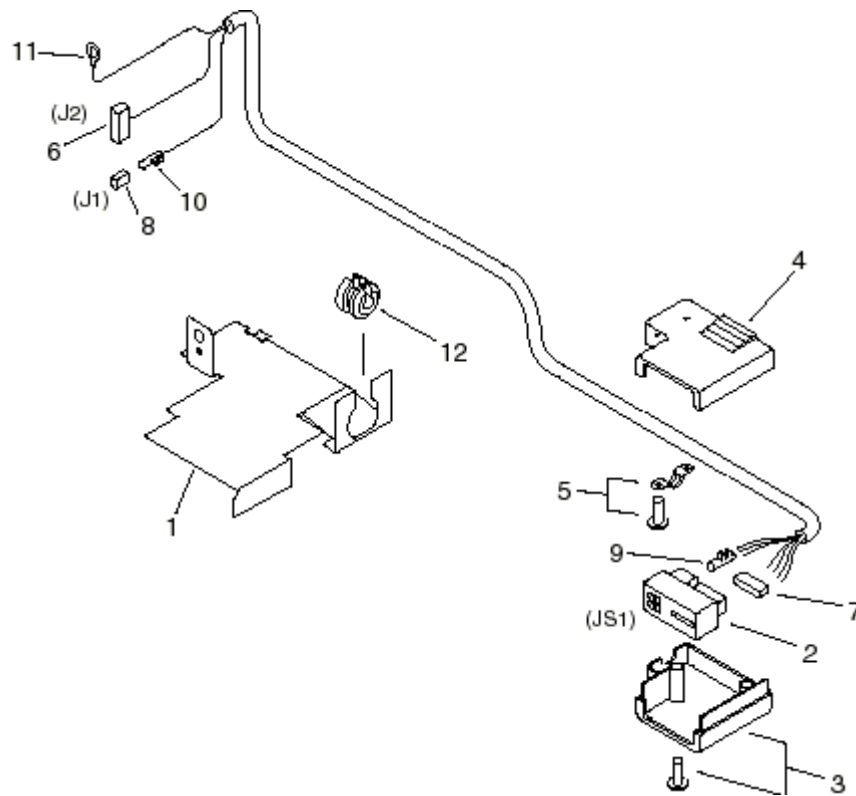
Fig. T36: Center Feeder Assembly



Service Part:

FIGURE & KEY No.	Part No.	Q'TY	Description	Rank	Remarks
T36	FG6-5878-000	1	CENTER FEEDER ASSEMBLY		Changed
-1	FB3-7417-000	1	DEFLECTOR		
-2	FF6-0624-000	1	GUIDE, CENTER		Changed
-2A	FB5-3915-000	1	SHEET, CENTER GUIDE		New
-3	FB3-7419-000	1	GUIDE, PAPER		
-4	FB3-7420-000	1	FLAG, SENSOR		
-5	FB3-7422-000	4	SPRING, LEAF		
-6	FB3-7423-000	1	BLOCK, DEFLECTOR		
-7	FF5-7558-000	1	GRIP, GUIDE		
-7A	RS5-8857-000	1	LABEL, 2		
-8	FF5-7588-000	1	PLATE, IDLER		Changed
-9	FF5-5692-000	1	CABLE, CONNECTOR, 2P		
-9A	VS1-5057-002	1	CONNECTOR, 2P		
-10	FB4-5387-000	1	SHAFT, ROLLER		
-11	FB4-5388-000	4	ROLLER, 1		
-12	FB4-5389-000	2	ROLLER, 2		
-13	FS5-3550-000	1	GEAR, 35T		
-14	FS5-6517-000	4	ROLLER, A		
-15	FS5-6518-000	4	ROLLER, B		
-16	FB4-8148-000	1	GUIDE		
-17	FS6-2546-000	1	SPRING, TENSION		
-18	FS6-2548-000	4	SPRING, TORSION		
-19	FS6-2550-000	1	SPRING, TORSION		
-20	WG8-5309-000	1	PHOTO-DETECTOR, EE-SX1235A-P2		
-21	XA9-0606-000	2	SCREW, M4X10		
-22	WT2-0434-000	2	CLIP		
-23	FS1-1508-000	1	BUSHING		
-24	FS1-1187-000	1	BUSHING		
-25	XB4-7300-609	4	SCREW, TAP, BINDING HEAD, M3X6		
-26	4S1-9002-000	1	SCREW, M4X6		
-501	XD2-1100-502	8	RETAINING RING (E-TYPE)		
-502	XD3-2200-082	6	PIN, PARALLEL		
-503	XB1-2300-409	2	SCREW, MACHINE M3X4		

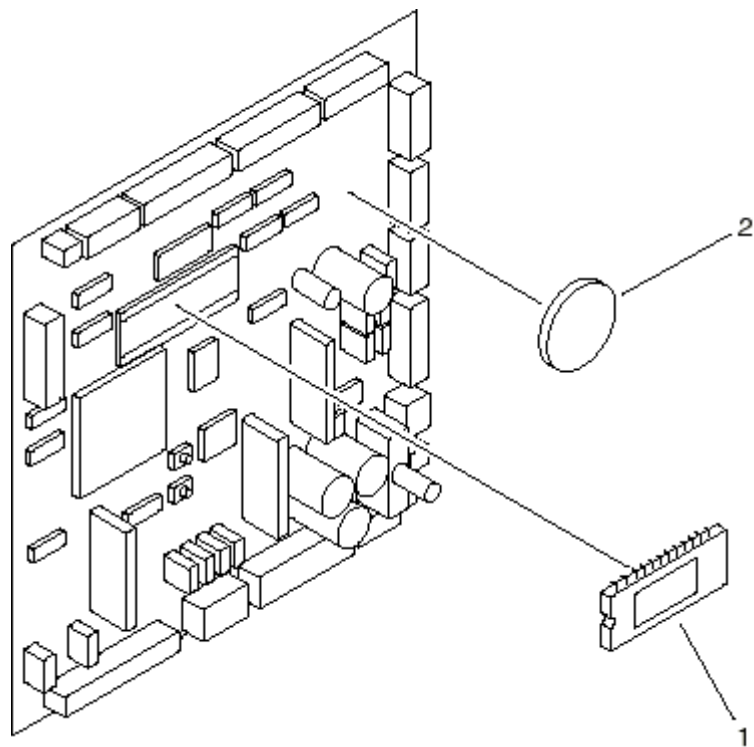
Fig. T41: Main Body Cable Assembly



Service Part:

FIGURE & KEY No.	Part No.	Q'TY	Description	Rank	Remarks
T41	FG6-6851-000	1	CABLE, MAIN BODY ASSEMBLY		Changed
-1	FB3-7442-000	1	BRACKET, BUSHING		
-2	FH2-6481-000	1	HOUSING		
-3	FH2-6482-000	1	COVER, PLUG, A		
-4	FH2-6483-000	1	COVER, PLUG, B		
-5	FH2-6487-000	1	CLAMP, CABLE		
-6	VS1-0852-007	1	CONNECTOR 7P, FEMALE		Changed
-7	VS1-5452-007	1	CONNECTOR 7P, FEMALE		
-8	VS3-5083-002	1	CONNECTOR 2P, FEMALE		
-9	WS3-5044-000	3	SOCKET, CONTACT, 18-24AWG		
-10	WS3-5160-000	2	CONTACT, SOCKET, 18-24AWG		
-11	WT1-5145-000	1	TERMINAL, RING		
-12	WT2-5410-000	1	BUSHING, STRAIN RELIEF		Changed

Fig. T90: Finisher Controller PCB Ass'y



Service Part:

FIGURE & KEY No.	Part No.	Q'TY	Description	Rank	Remarks
T90	FG6-6852-000	1	FINISHER CONTROLLER PCB ASS'Y		Changed
-1	FF6-0839-000	1	EP-ROM		
-2	WK1-0084-000	1	BATTERY, LITHIUM CR2450-HE4S		
-Q4	FH4-5560-000	1	IPC		