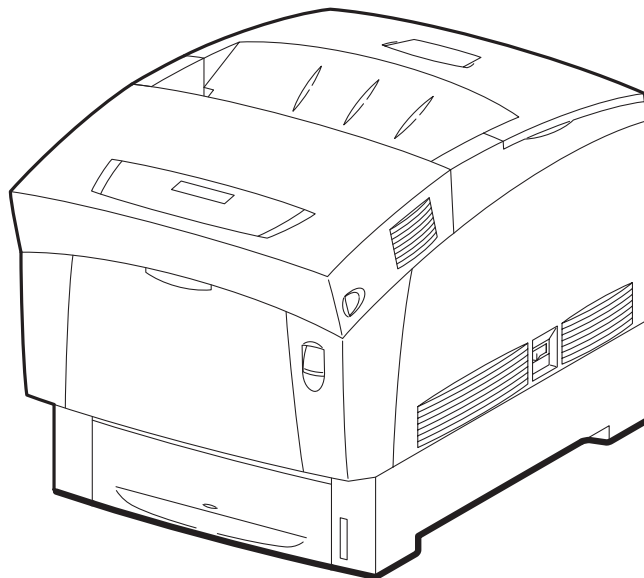




Brother Laser Printer **PARTS REFERENCE LIST**

MODEL: HL-4000CN



Read this list thoroughly before maintenance work.

Keep this list in a convenient place for quick and easy reference at all times.

NOTE FOR USING THIS PARTS REFERENCE LIST

1. In the case of ordering parts, it needs mentioning the following items:

- (1) Code
- (2) Q'ty
- (3) Description
- (4) Symbol (PCB No., Revision , and Parts location mounted on the PCB.)

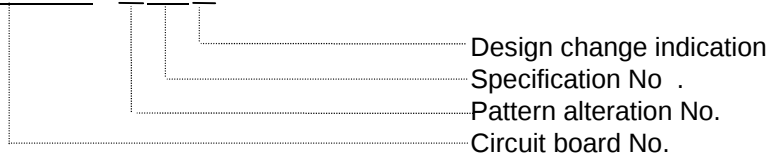
Note : No orders without Parts Code or Tool No. can be accepted.

< Example >

	(1)	(2)	(3)	(4)	
REF.NO.	CODE	Q'TY	DESCRIPTION	SYMBOL	REMARK

Revision No.: marked on the **main printed circuit board**.

B48K056 - 201A



Revision No.: marked on the **power supply PCB**.

Rev. 0B



2. Design-changed parts :

If the parts are changed, any one of the following symbols is indicated in the REMARKS column.

- #A : compatible between old and new
- #B : replaceable from old to new
- #D : incompatible
- # : newly established

3. The original of this list was made based on the information available in October, 2001.

4. Parts are subject to change in design without prior notice.

CONTENTS

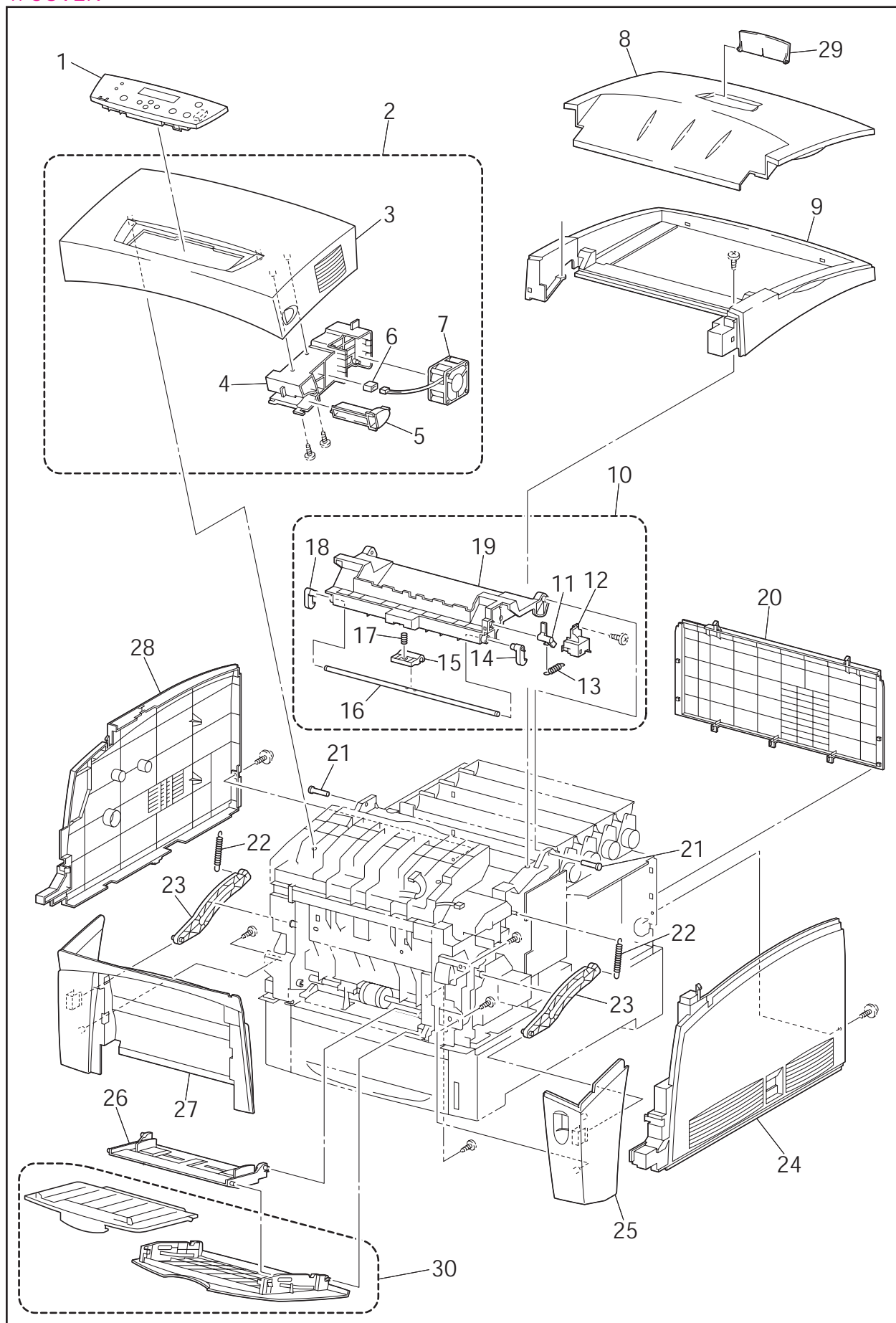
1.	COVER	1
2.	FRAME	3
3.	PAPER FEEDER 1	5
4.	PAPER FEEDER 2	7
5.	PAPER FEEDER 3	9
6.	HOUSING ASSY RETARD	11
7.	CHUTE ASSY IN	13
8.	CHUTE ASSY OUT	15
9.	CHUTE ASSY EXIT	17
10.	TRANSFER ROLL CARTRIDGE ASSY & FUSER	19
11.	SCANNER	21
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16.	KIT	31
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1. COVER

REF.NO	CODE	Q'TY	DESCRIPTION	REMARK
1	LJ3986001	1	CONSOLE PANEL HL-4000	chg
2	LJ3987001	1	COVER ASSY FRONT HEAD	
3	LM0133001	1	COVER FRONT HEAD	
4	LM0134001	1	HOLDER LEVER OUT	
5	LM0135001	1	LEVER OUT	
6	LM0136001	1	CON.AMP 175694-3	
7	LM0137001	1	FAN FUSER	
8	LJ3988001	1	COVER ASSY TOP	
9	LM0138001	1	COVER TOP MAIN	
10	LJ3989001	1	PAPER OUTLET COVER	
11	LM0139001	1	CAM I/L	
12	LM0140001	1	COVER CAM	
13	LM0141001	1	SPRING CAM I/L	
14	LM0142001	1	LATCH TOP R	
15	LM0143001	1	HANDLE TOP	
16	LM0144001	1	SHAFT LATCH TOP	
17	LM0145001	1	SPRING HANDLE	
18	LM0146001	1	LATCH TOP L	
19	LM0147001	1	COVER TOP PRINT HEAD CARTRIDGE	
20	LM0148001	1	COVER REAR	
21	LM0149001	1	STUD TOP	
22	LJ3990001	1	SPRING LINK	
23	LM0150001	1	LINK	
24	LJ3991001	1	COVER SIDE R	
25	LJ3992001	1	COVER ASSY FRONT R	
26	LM0153001	1	TRAY ASSY BASE	
27	LJ3993001	1	COVER ASSY FRONT L	
28	LJ3994001	1	COVER SIDE L	
29	LJ3995001	1	COVER TOP STOPPER	
30	LJ3996001	1	TRAY ASSY LOW	ADD

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1. COVER



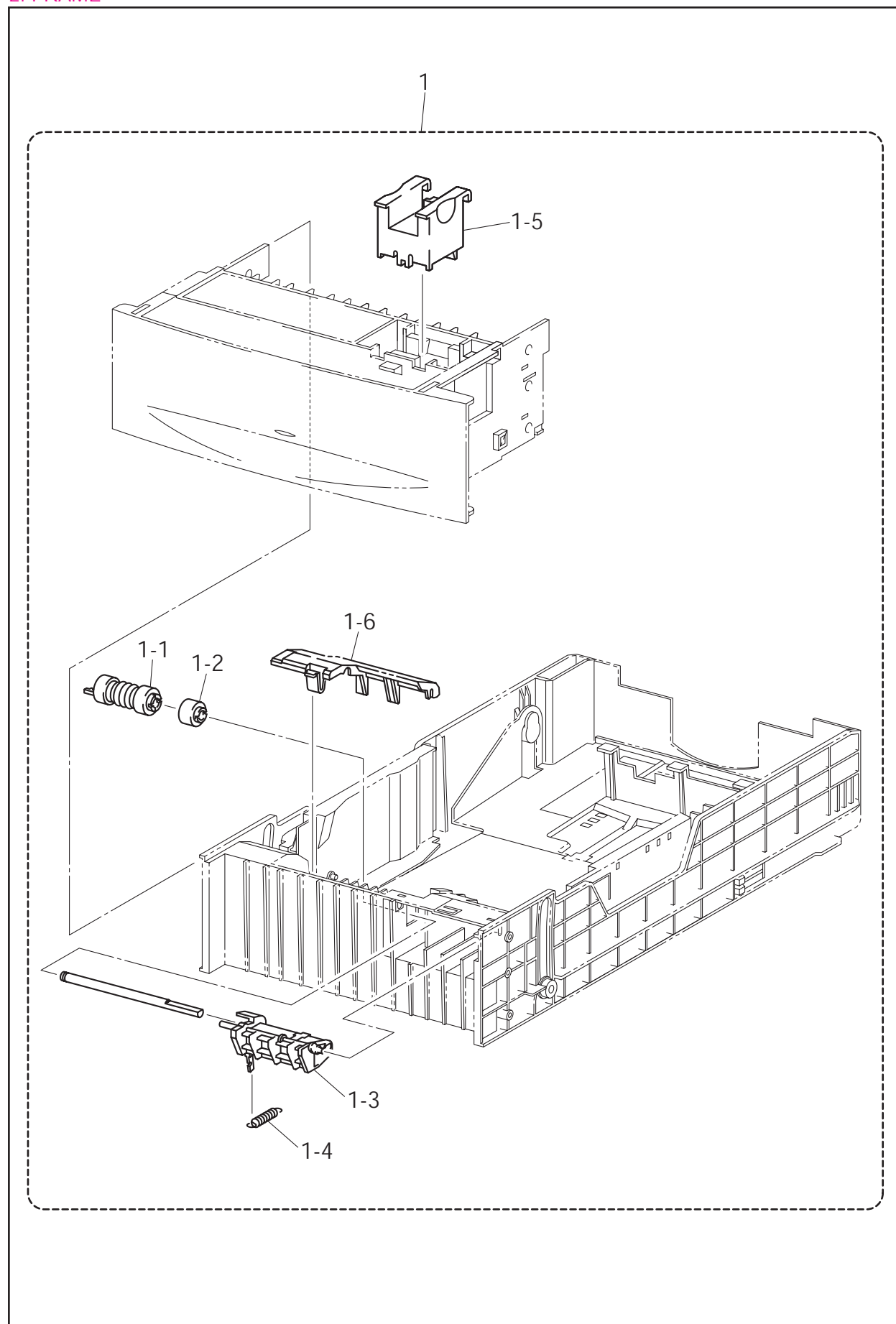
MODEL HL-4000CN 54S601

2. FRAME

REF.NO	CODE	Q'TY	DESCRIPTION	REMARK
1	LJ3997001	1	CASSETTE ASSY	ADD
1-1	LJ3998001	1	ROLL ASSY	
1-2	LM0154001	1	CLUTCH ASSY FRICTION	
1-3	LM0155001	1	HOLDER RETARD	
1-4	LM0156001	1	SPRING RETARD	
1-5	LM0157001	1	A5 BLOCK	
1-6	LM0132001	1	CHUTE RETARD	

MODEL HL-4000CN 54S601

2. FRAME



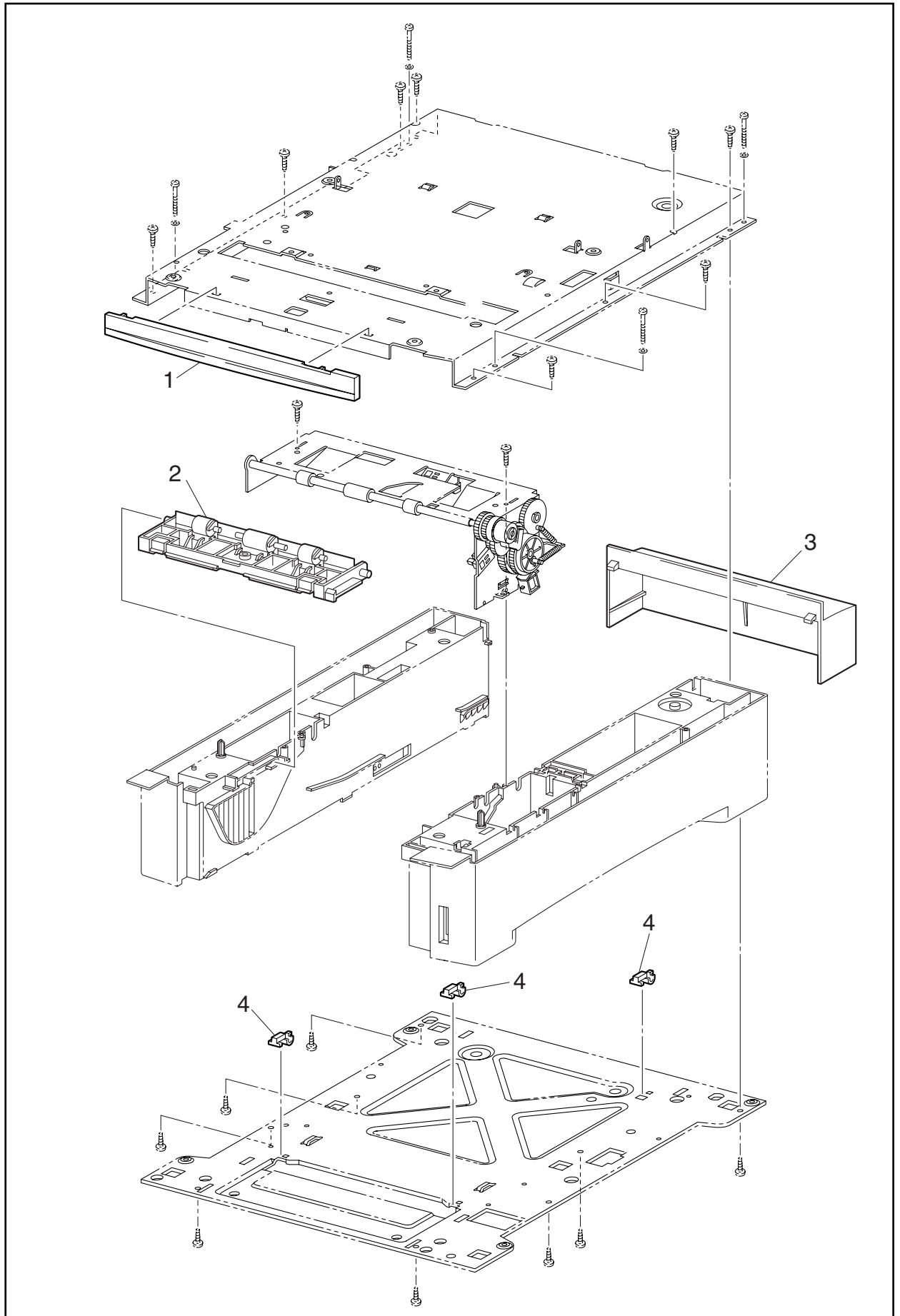
MODEL HL-4000CN 54S601

3. PAPER FEEDER 1

REF.NO	CODE	Q'TY	DESCRIPTION	REMARK
1	LJ3999001	1	COVER FDR FRONT	
2	LM0001001	1	CHUTE ASSY TURN	
3	LM0002001	1	COVER CASSETTE	
4	LM0158001	1	BLOCK	

MODEL HL-4000CN 54S601

3. PAPER FEEDER 1



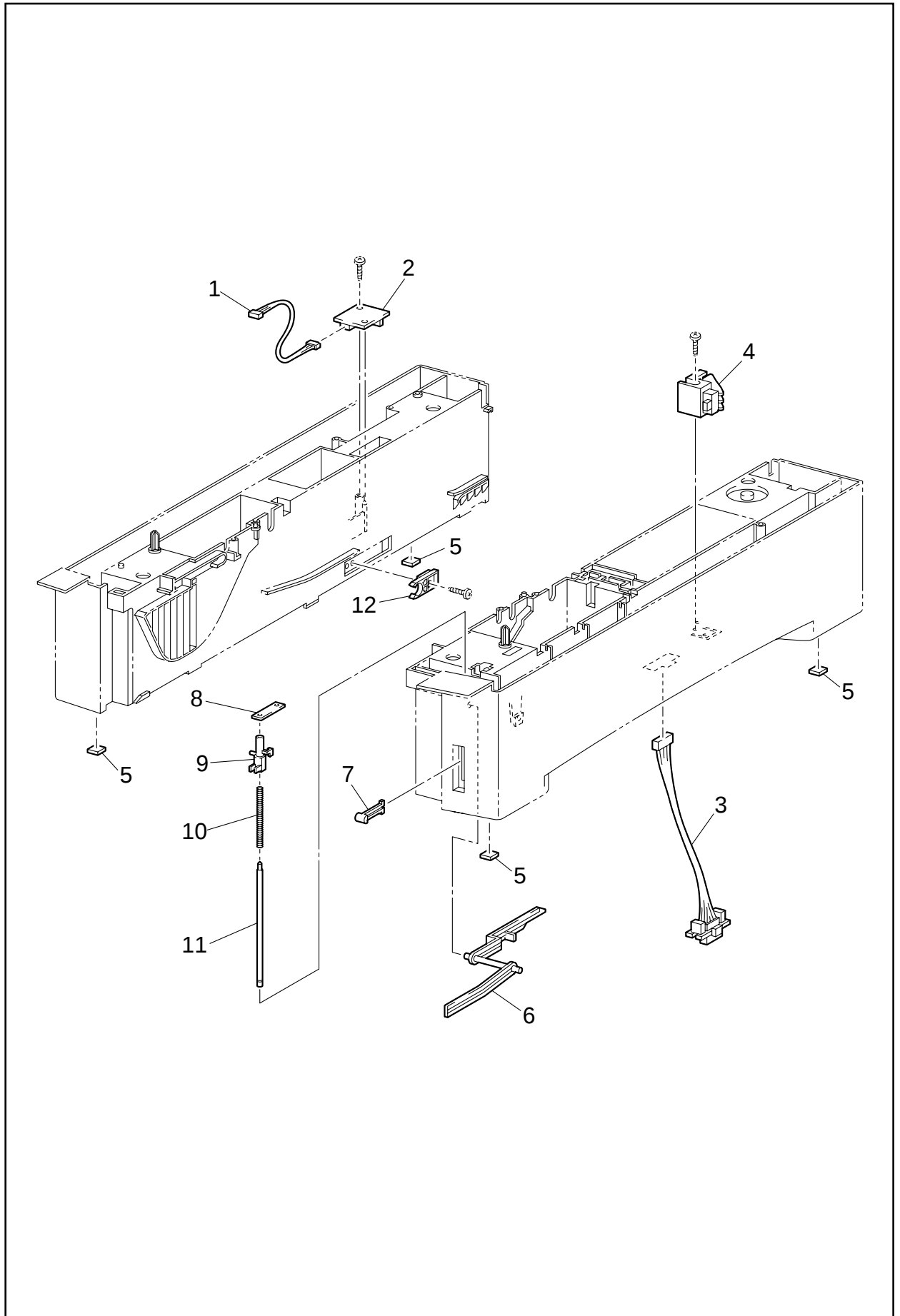
MODEL HL-4000CN 54S601

4. PAPER FEEDER 2

REF.NO	CODE	Q'TY	DESCRIPTION	REMARK
1	LM0159001	1	HARNESS ASSY TMPA	
2	LM0003001	1	SENSOR HUM TEMP	
3	LM0160001	1	HARNESS ASSY OPFREC	
4	LM0078001	1	SWITCH ASSY SIZE	
5	LM0161001	1	FOOT	
6	LM0004001	1	LEVER LOW PAPER	
7	LM0005001	1	INDICATOR	
8	LM0162001	1	HOLDER SHAFT INDICATOR	
9	LM0006001	1	GUIDE INDICATOR	
10	LM0163001	1	SPRING INDICATOR	
11	LM0164001	1	SHAFT INDICATOR	
12	LM0007001	1	STOPPER CST	

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4. PAPER FEEDER 2



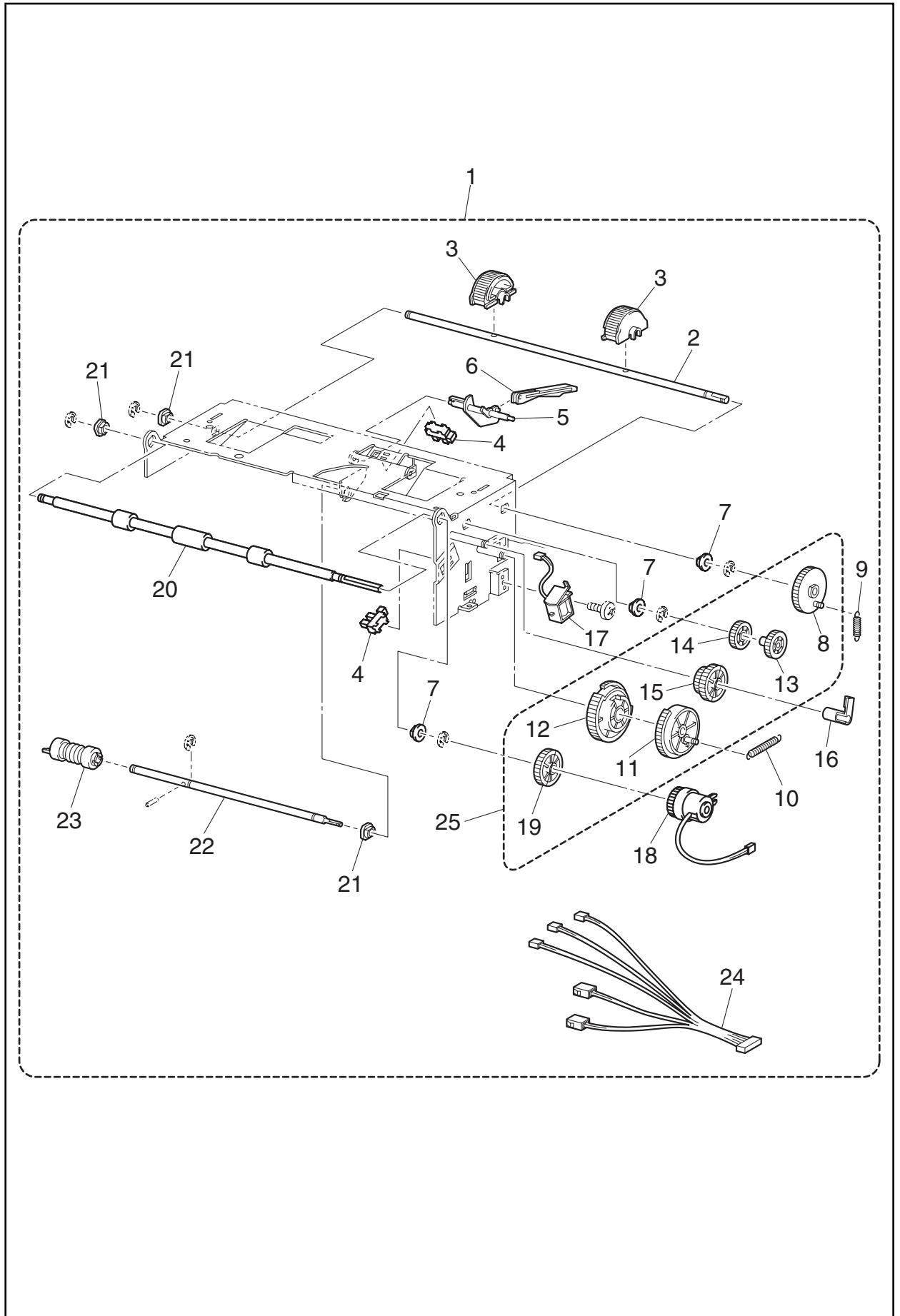
MODEL HL-4000CN 54S601

5.PAPER FEEDER 3

REF.NO	CODE	Q'TY	DESCRIPTION	REMARK
1	LM0008001	1	PICKUP ASSY	
2	LM0126001	1	SHAFT FEED 1	
3	LM0009001	1	ROLL ASSY FEED	
4	LM0010001	1	SENSOR PHOTO	
5	LM0011001	1	ACTUATOR NO PAPER	
6	LM0012001	1	LINK ACTUATOR	
7	LM0165001	1	BUSH(D6XL8)/METAL	
8	LM0166001	1	GEAR FEED 1	
9	LM0167001	1	SPRING FEED 1	
10	LM0168001	1	SPRING FEED H	
11	LM0169001	1	GEAR FEED H2	
12	LM0170001	1	GEAR FEED H1	
13	LM0171001	1	GEAR FEED 2	
14	LM0172001	1	GEAR IDLER FEED	
15	LM0173001	1	GEAR IDLER	
16	LM0174001	1	STOPPER CLUTCH	
17	LM0013001	1	SOLENOID FEED	
18	LM0014001	1	CLUTCH ASSY TURN	
19	LM0175001	1	GEAR IDLER IN	
20	LM0176001	1	ROLL ASSY TURN	
21	LM0177001	1	BUSH(D6XL8)/BLACK	
22	LM0178001	1	SHAFT FEED 2	
23	LJ3998001	1	ROLL ASSY	
24	LM0179001	1	HARNESS ASSY FEEDER	
25	LM0016001	1	KIT GEAR FDR	

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5. PAPER FEEDER 3



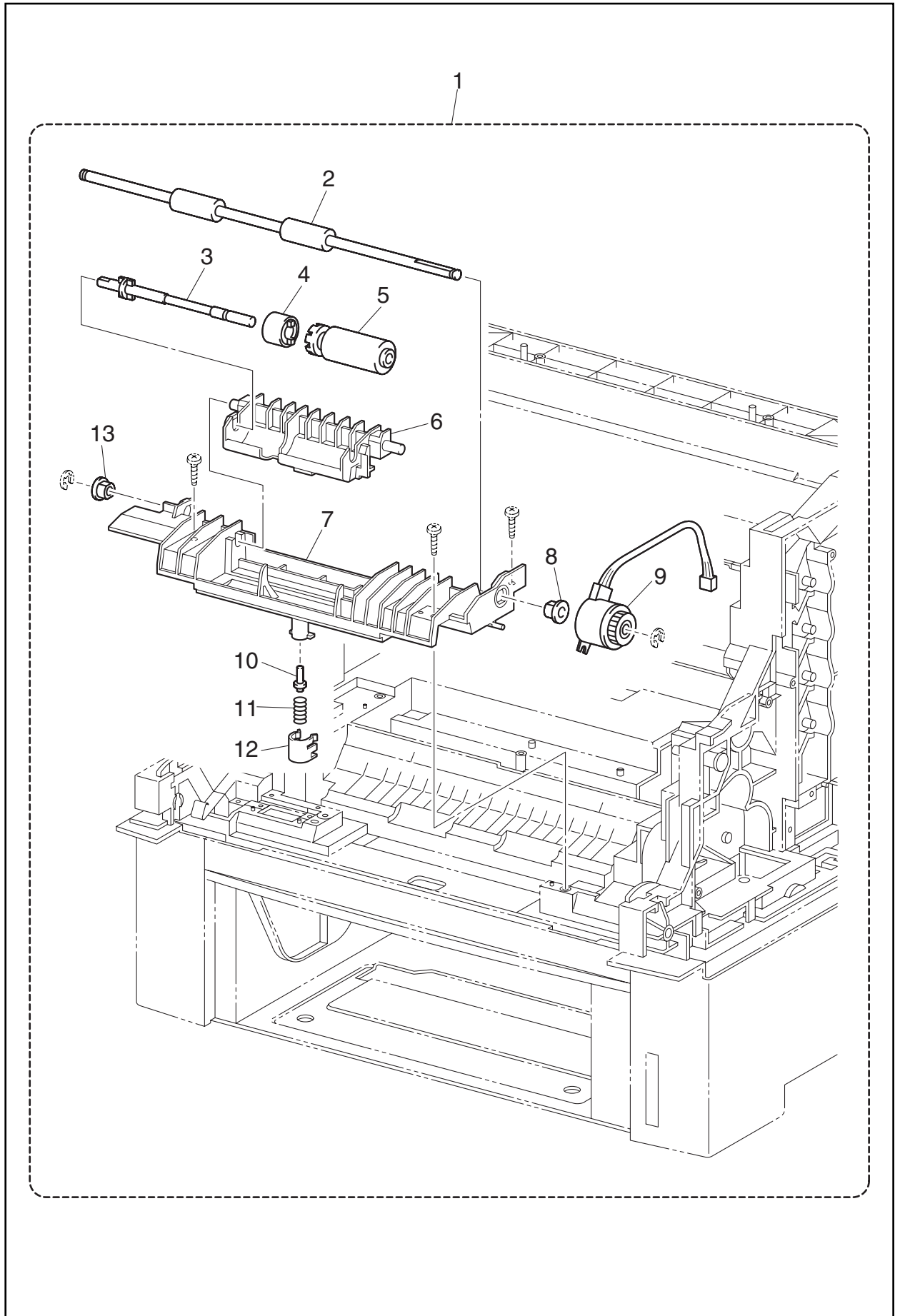
MODEL HL-4000CN 54S601

6. HOUSING ASSY RETARD

REF.NO	CODE	Q'TY	DESCRIPTION	SYMBOL	REMARK
1	LM0017001	1	HOUSING ASSY RETARD		
2	LM0180001	1	ROLL TURN		
3	LM0181001	1	SHAFT RTD		
4	LM0182001	1	CLUTCH ASSY FRICTION		
5	LM0018001	1	ROLL ASSY RETARD		
6	LM0183001	1	HOLDER RATARD		
7	LM0184001	1	HOUSING RETARD		
8	LM0185001	1	BUSH		
9	LM0186001	1	CLUTCH TURN		
10	LM0187001	1	STUD RETURD		
11	LM0188001	1	SPRING RETARD 370		
12	LM0189001	1	CAP RETARD		
13	LM0190001	1	BUSH EARTH		

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6. HOUSING ASSY RETARD



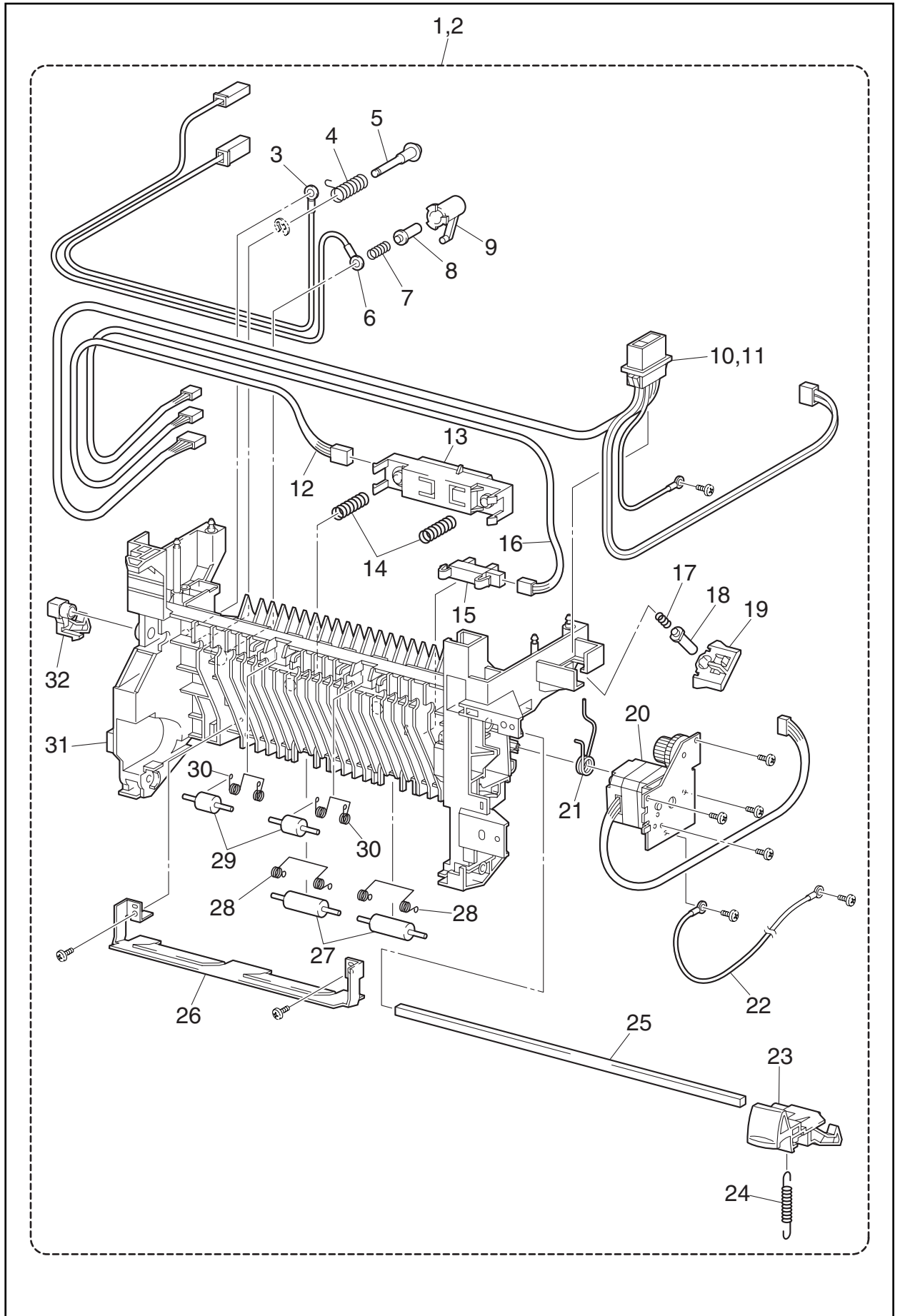
MODEL HL-4000CN 54S601

7. CHUTE ASSY IN

REF.NO	CODE	Q'TY	DESCRIPTION	REMARK
1	LM0019001	1	CHUTE ASSY IN 120V	
2	LM0020001	1	CHUTE ASSY IN 220V	
3	LM0191001	1	WIRE ASSY TRANSFER ROLL CARTRIDGE 2	
4	LM0192001	1	SPRING TRANSFER ROLL CARTRIDGE R2	
5	LM0193001	1	SHAFT TRANSFER ROLL CARTRIDGE IN	
6	LM0194001	1	WIRE ASSY DISK	
7	LM0195001	1	SPRING DTC 0.2	
8	LM0196001	1	STUD TRANSFER ROLL CARTRIDGE	
9	LM0197001	1	HOLDER SPRING TRANSFER ROLL CARTRIDGE	
10	LM0198001	1	HARNESS ASSY FSR2 120V	
11	LM0199001	1	HARNESS ASSY FSR22 220V	
12	LM0200001	1	HARNESS ASSY CTD	
13	LM0021001	1	HOLDER ASSY CTD	
14	LM0201001	1	SPRING ADC	
15	LM0022001	1	SENSOR TNR FULL	
16	LM0202001	1	HARNESS ASSY TFLSNS	
17	LM0203001	1	SPRING IDT 3KGF	
18	LM0204001	1	STUD IDT	
19	LM0205001	1	HOLDER IDT	
20	LM0023001	1	FUSER DRIVE ASSY	
21	LM0206001	1	SPRING TRANSFER ROLL CARTRIDGE L 1.5	
22	LM0207001	1	WIRE ASSY FSR EARTH	
23	LM0024001	1	LATCH R	
24	LM0208001	1	SPRING LATCH 1.2KGF	
25	LM0209001	1	SHAFT LATCH	
26	LM0210001	1	PLATE IN T/R	
27	LM0211001	1	ROLL PINCH TURN	
28	LM0212001	1	SPRING PINCH TURN 375	
29	LM0213001	1	ROLL PINCH DUP	
30	LM0214001	1	SPRING PINCH DUP	
31	LM0215001	1	CHUTE DUP IN	
32	LM0025001	1	LATCH L	

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7. CHUTE ASSY IN



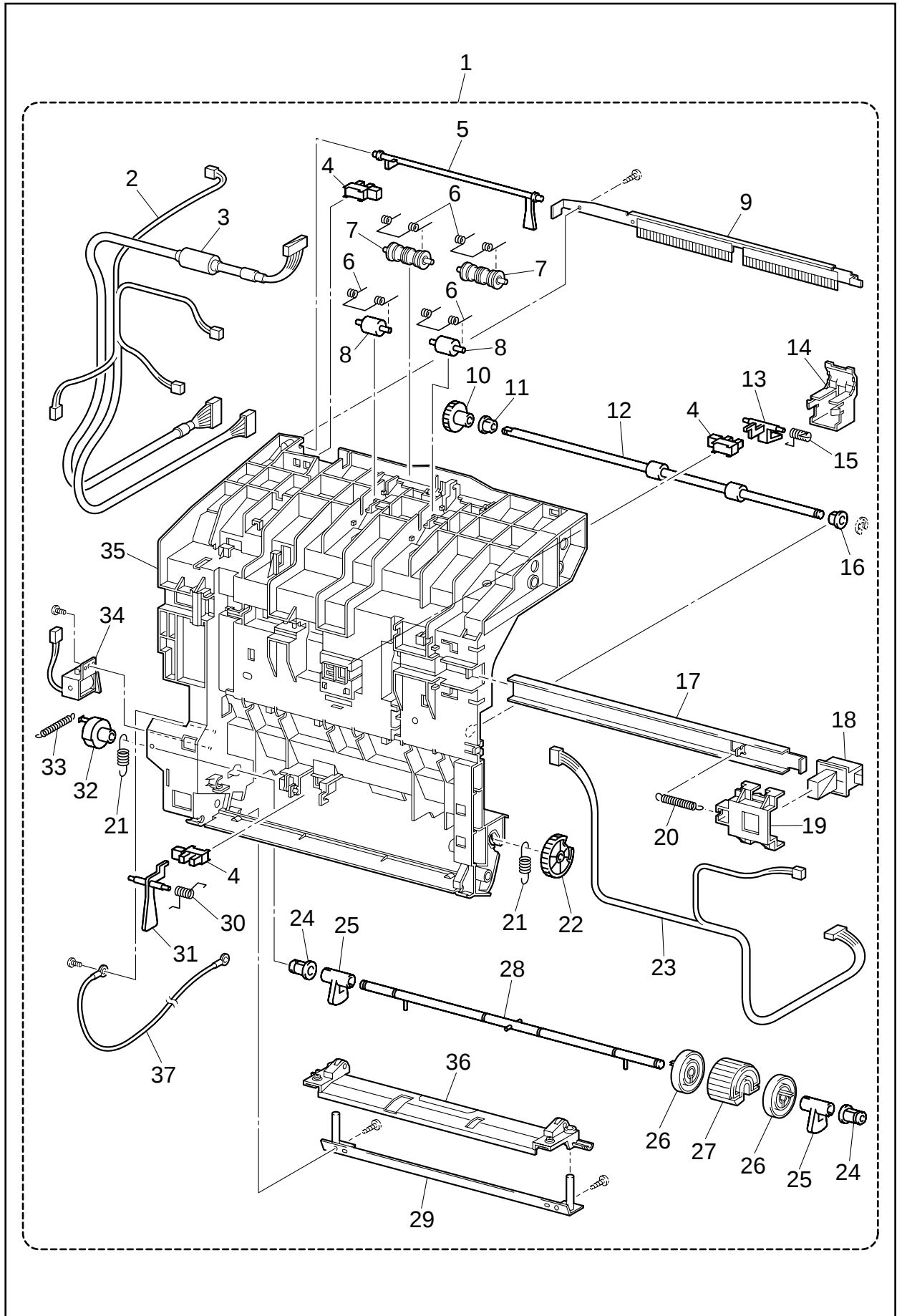
MODEL HL-4000CN 54S601

8. CHUTE ASSY OUT

REF.NO	CODE	Q'TY	DESCRIPTION	SYMBOL	REMARK
1	LM0026001	1	CHUTE ASSY OUT		
2	LM0216001	1	HARNESS ASSY FRONT 2		
3	LM0217001	1	HARNESS ASSY OPEPANE BS		
4	LM0027001	1	SENSOR PHOTO		
5	LM0028001	1	ACTUATOR FULL		
6	LM0218001	1	SPRING PINCH EXIT		
7	LM0219001	1	ROLL PINCH EXIT		
8	LM0220001	1	ROLL PINCH		
9	LM0221001	1	BRACKET ASSY ELIMINATOR		
10	LM0222001	1	GEAR 30		
11	LM0190001	1	BUSH EARTH		
12	LM0223001	1	ROLL DUP		
13	LM0029001	1	ACTUATOR DUP		
14	LM0030001	1	COVER ACTUATOR		
15	LM0224001	1	SPRING SNR DUP		
16	LM0225001	1	BUSH		
17	LM0226001	1	PLATE LATCH		
18	LM0227001	1	LACHT OUT		
19	LM0228001	1	HOLDER LATCH		
20	LM0229001	1	SPRING LATCH OUT		
21	LM0230001	1	SPRING N/F MSI 250GF		
22	LM0031001	1	GEAR MSI		
23	LM0231001	1	HARNESS ASSY DUP		
24	LM0232001	1	BUSH MSI		
25	LM0233001	1	CAM MSI		
26	LM0032001	1	ROLL CORE MSI		
27	LM0234001	1	ROLL ASSY FEED		
28	LM0235001	1	SHAFT MSI		
29	LM0236001	1	PLATE OUT MSI		
30	LM0033001	1	SPRING SENSOR MSI		
31	LM0034001	1	ACTUATOR MSI		
32	LM0237001	1	STOPPER SOL		
33	LM0238001	1	SPRING SOL 0.5		
34	LM0035001	1	SOLENOID FEED MSI		
35	LM0239001	1	CHUTE DUP OUT		
36	LM0240001	1	PLATE ASSY BOTTOM MSI		
37	LM0241001	1	WIRE ASSY DUP EARTH		

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8. CHUTE ASSY OUT



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9. CHUTE ASSY EXIT

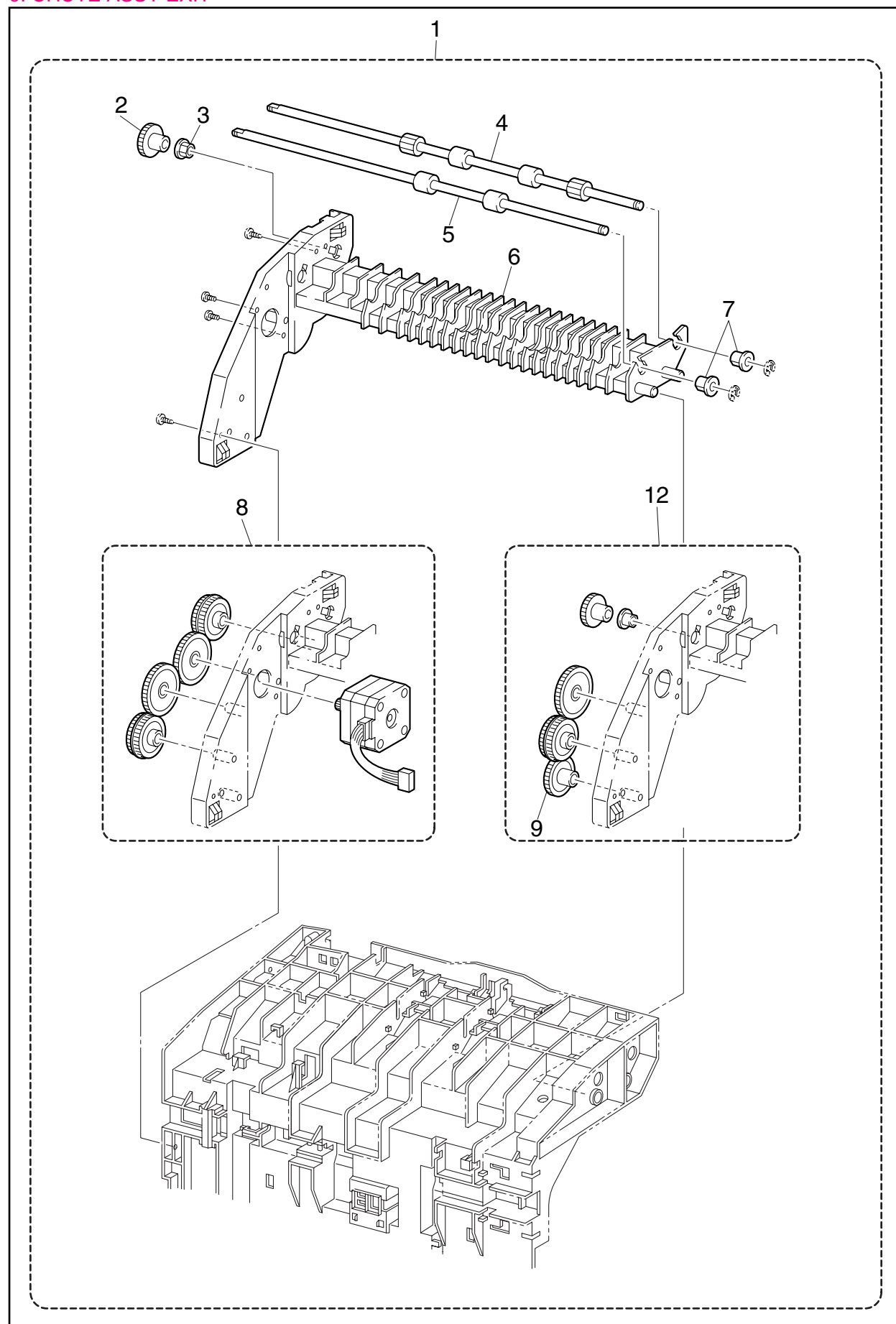
PR2002113

REF.NO	CODE	Q'TY	DESCRIPTION	SYMBOL	REMARK
1	LM0343001	1	CHUTE ASSY EXIT		CHNG
2	LM0242001	1	GEAR ROLL		
3	LM0190001	1	BUSH EARTH		
4	LM0243001	1	ROLL EXIT		
5	LM0244001	1	ROLL MID		
6	LM0245001	1	CHUTE EXIT LOWER		
7	LM0185001	1	BUSH		
8	LM0342001	1	KIT MOTOR DUP		CHNG
9	LM0246001	1	GEAR 42		
10	LM0247001	1	GEAR 40/42		DELETE
11	LM0248001	1	GEAR 48		DELETE
12	LM0344001	1	CHUTE EXIT GEAR KIT		ADD

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T/I NO. PR2002113

9. CHUTE ASSY EXIT

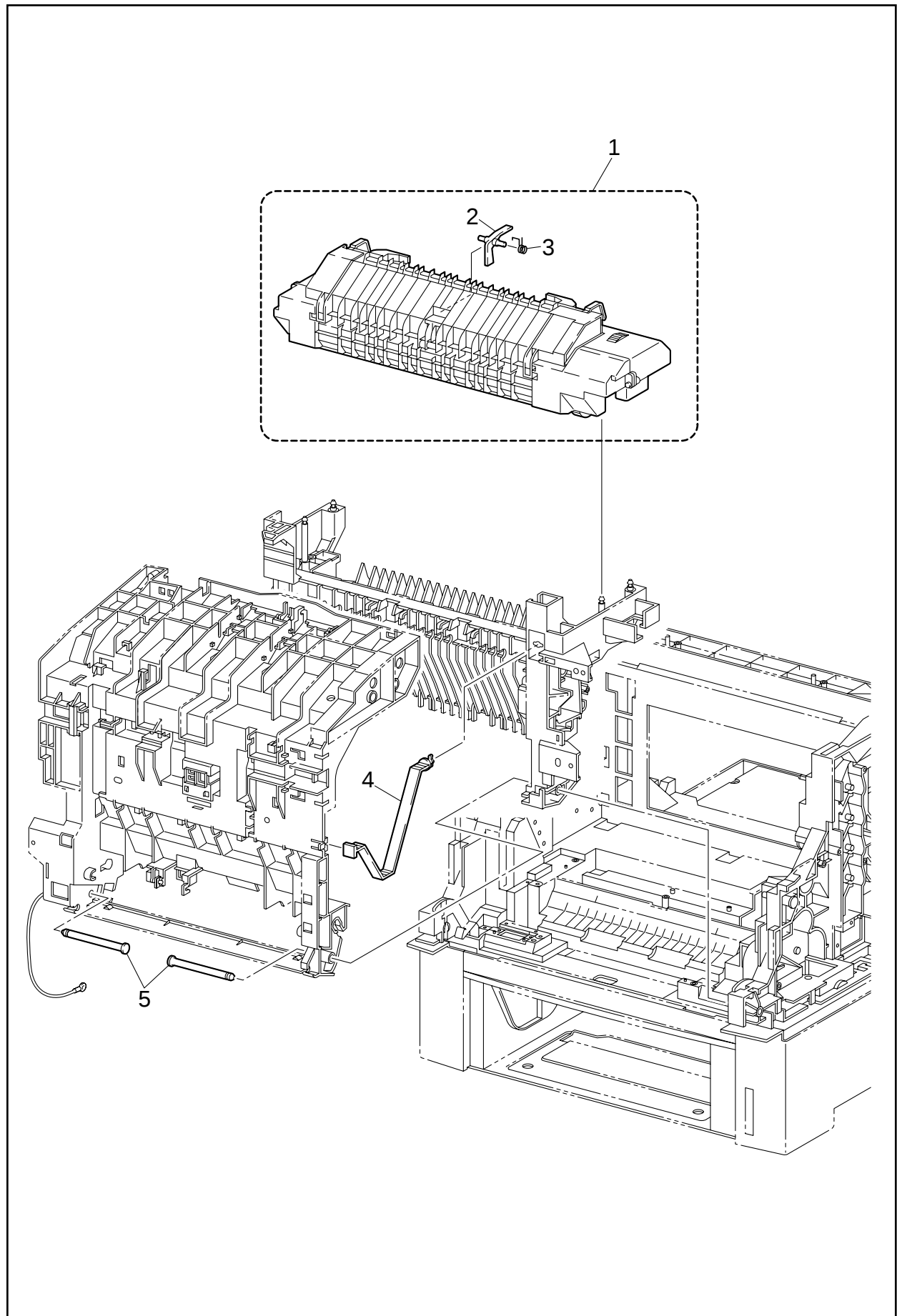


MODEL HL-4000CN 54S601

REF.NO	CODE	Q'TY	DESCRIPTION	SYMBOL	REMARK
1	LM0039001	1	FUSER ASSY 120V		
1	LM0040001	1	FUSER ASSY 220V		
2	LM0041001	1	ACTUATOR EXIT		
3	LM0042001	1	SPRING ACTUATOR		
4	LM0249001	1	STRAP		
5	LM0251001	1	SHAFT PIVOT		

-19-

10. TRANSFER ROLL CARTRIDGE ASSY & FUSER



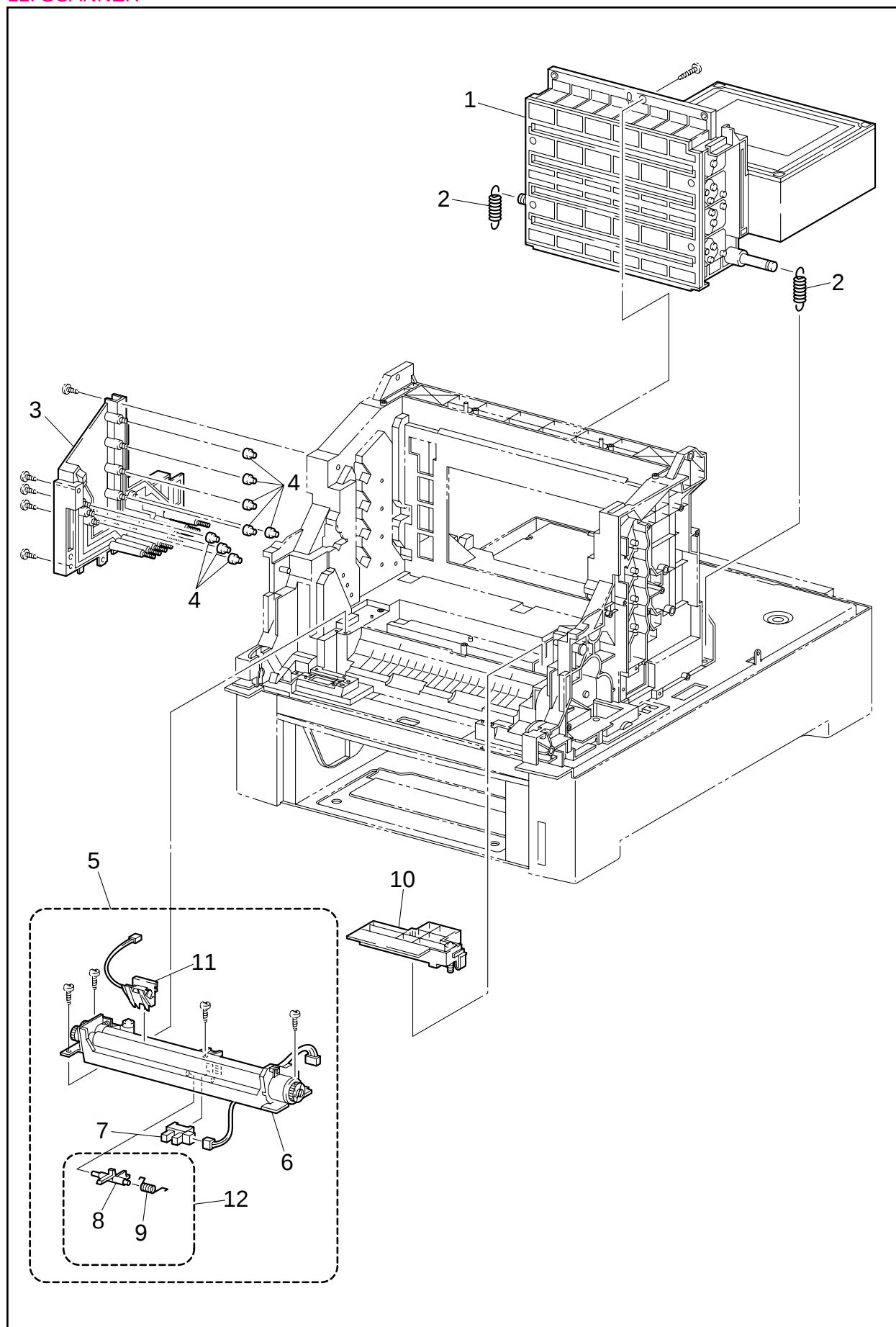
MODEL HL-4000CN 54S601

11. SCANNER

REF.NO	CODE	Q'TY	DESCRIPTION	SYMBOL	REMARK
1	LM0043001	1	SCANNER ASSY		
2	LM0256001	1	SPRING SCANNER (18N)		
3	LM0044001	1	HSG ASSY BIAS		
4	LM0257001	1	STUD PLUNGER		
5	LM0045001	1	CHUTE ASSY REGI SNR OHP		
6	LM0258001	1	CHUTE REGI		
7	LM0027001	1	SENSOR PHOTO		
8	LM0259001	1	ACTUATOR REGI		
9	LM0260001	1	SPRING SENSOR REGI		
10	LM0261001	1	HOUSING ASSY ELEC		
11	LM0262001	1	KIT OHP SENSOR WITH HARNESS		
12	LM0297001	1	KIT ACTUATOR AND SPRING		

MODEL HL-4000CN 54S601

11. SCANNER



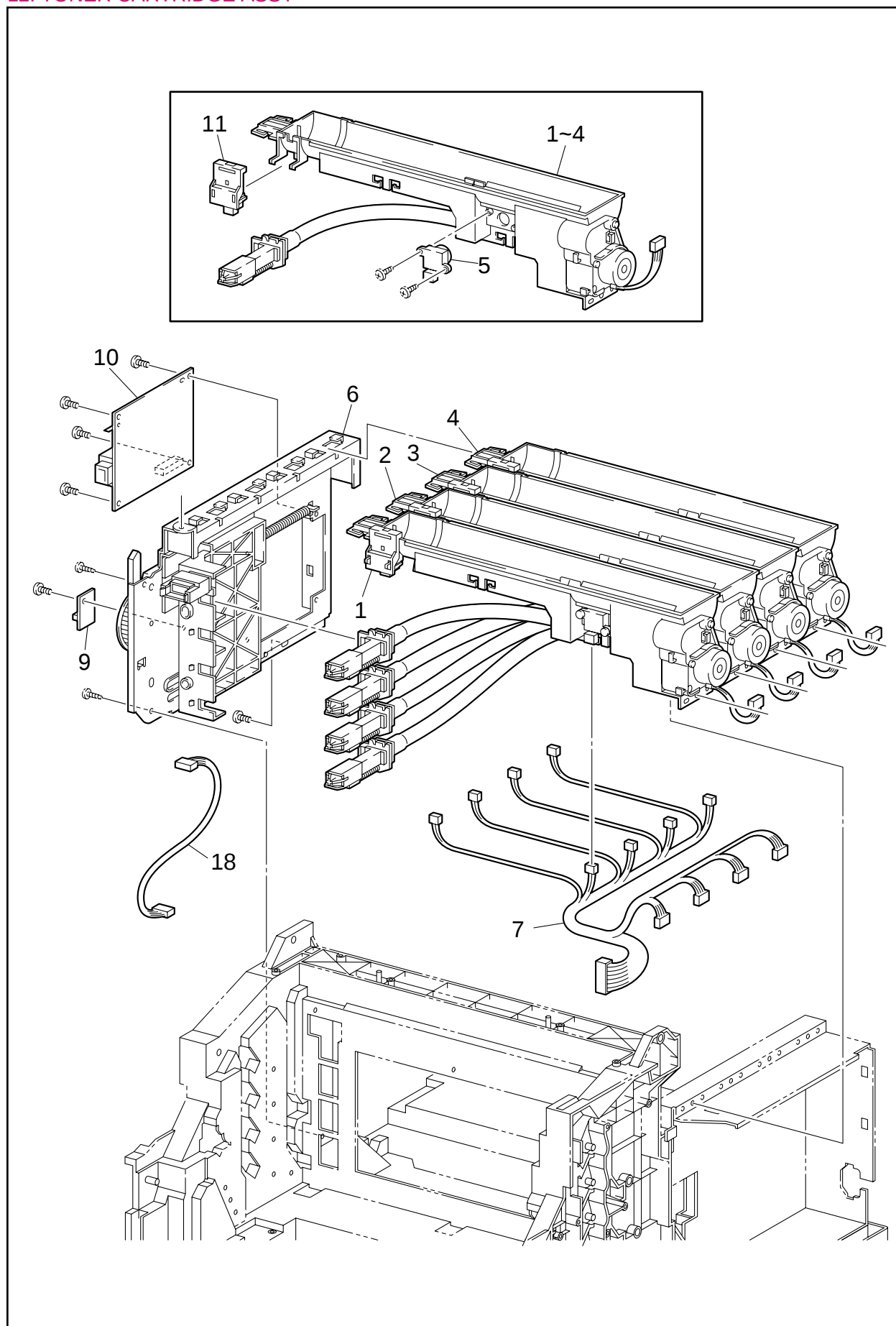
MODEL HL-4000CN 54S601

12. TONER CARTRIDGE ASSY

REF.NO	CODE	Q'TY	DESCRIPTION	SYMBOL	REMARK
1	LM0046001	1	HOLDER TONER CARTRIDGE ASSY Y		
2	LM0047001	1	HOLDER TONER CARTRIDGE ASSY M		
3	LM0048001	1	HOLDER TONER CARTRIDGE ASSY C		
4	LM0049001	1	HOLDER TONER CARTRIDGE ASSY K		
5	LM0050001	1	SENSOR TONER LOW		
6	LM0051001	1	PLATE ASSY DISPENSER L		
7	LM0263001	1	HARNESS ASSY TNR		
8	LM0264001	1	HARNESS ASSY CRUM		
9	LM0265001	1	PWBA EEPROM		
10	LM0052001	1	S-HVPS		
11	LM0053001	1	SWITCH TONER CARTRIDGE ASSY		

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12. TONER CARTRIDGE ASSY



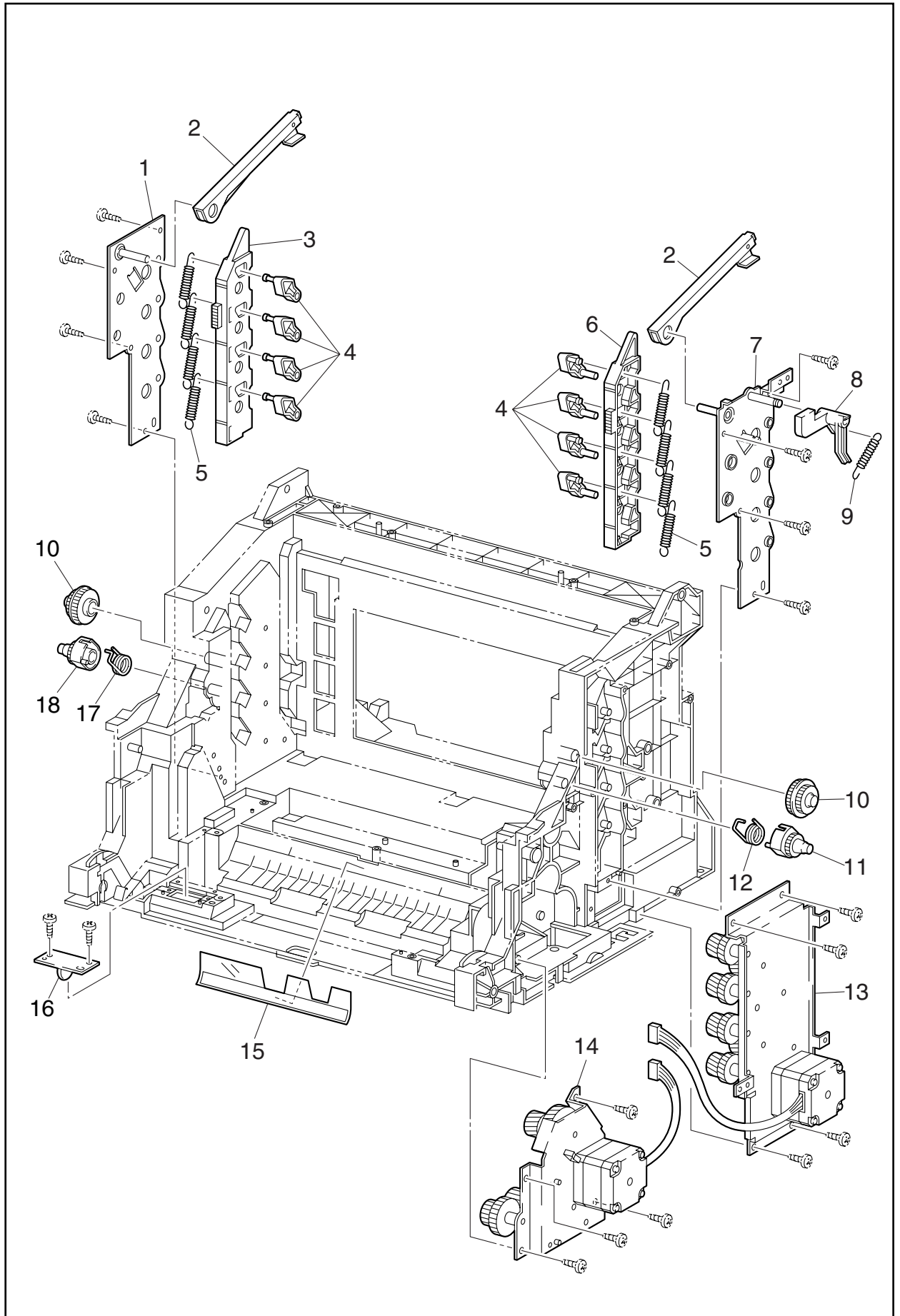
MODEL HL-4000CN 54S601

13. FRAME & DRIVE

REF.NO	CODE	Q'TY	DESCRIPTION	SYMBOL	REMARK
1	LM0266001	1	PLATE LEVER L		
2	LM0054001	1	BRACKET LEVER		
3	LM0055001	1	LINK LEVER L		
4	LM0056001	1	LEVER DRUM		
5	LM0057001	1	SPRING LEVER 30N		
6	LM0267001	1	LINK LEVER R		
7	LM0268001	1	PLATE LEVER R		
8	LM0058001	1	ACTUATOR I/L		
9	LM0269001	1	SPRING I/L		
10	LM0059001	1	GEAR IDL.PRESS		
11	LM0060001	1	GEAR PRESS R		
12	LM0061001	1	SPRING IDT R		
13	LM0062001	1	DRIVE ASSY DEVE		
14	LM0063001	1	DRIVE ASSY MAIN		
15	LM0064001	1	FILM REGI		
16	LM0270001	1	PWBA ASSY EARTH		
17	LM0065001	1	SPRING IDT L		
18	LM0066001	1	GEAR PRESS L		

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13. FRAME & DRIVE



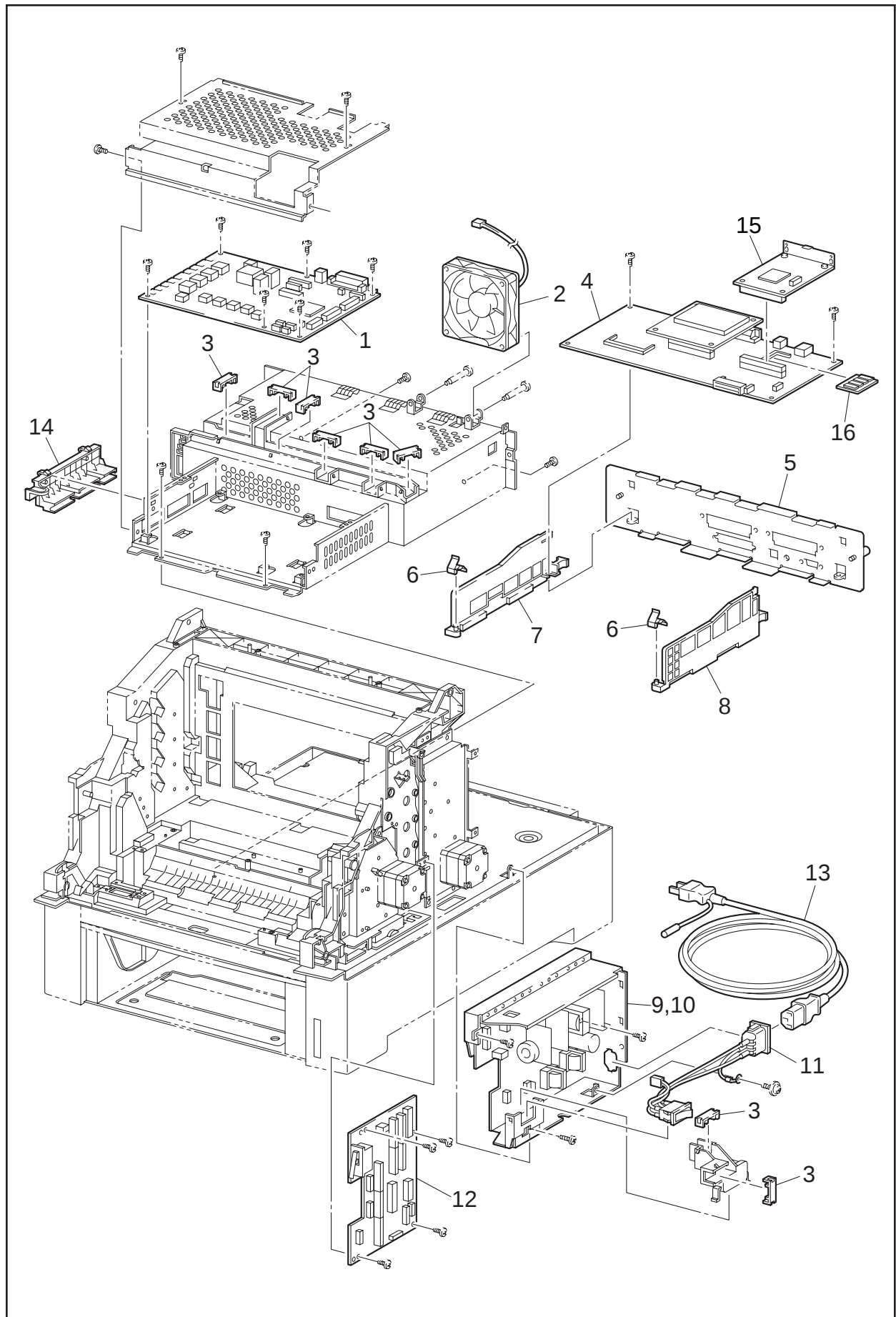
MODEL HL-4000CN 54S601

14. ELECTRICAL

REF.NO	CODE	Q'TY	DESCRIPTION	SYMBOL	REMARK
1	LJ8951001	1	PKG SERVICE MCU HL-4000		
2	LM0067001	1	FAN REAR		
3	LM0271001	1	CALMP GUIDE HARNESS		
4	LJ8952001	1	CONTROLLER BOARD PS 220V	160K85919	chg
4	LJ9142001	1	CONTROLLER BOARD PS 110V	160K88097	chg
5	LM0068001	1	PLATE REAR ESS		
6	LM0272001	1	SPRING EARTH ESS		
7	LM0273001	1	GUIDE R ESS		
8	LM0274001	1	GUIDE L ESS		
9	LJ8953001	1	LVPS 120V		
10	LJ8954001	1	LVPS 230V		
11	LM0275001	1	HARNESS ASSY AC SW		
12	LM0069001	1	PWBA HNB DRV		
13	LM0276001	1	POWER CORD 120V		
14	LM0277001	1	HOUSING ASSY CONTACT		
15	LJ8955001	1	NIC PWB	160K85935	chg
16	LM0370001	1	PWBA FONT CARD		ADD

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14. ELECTRICAL



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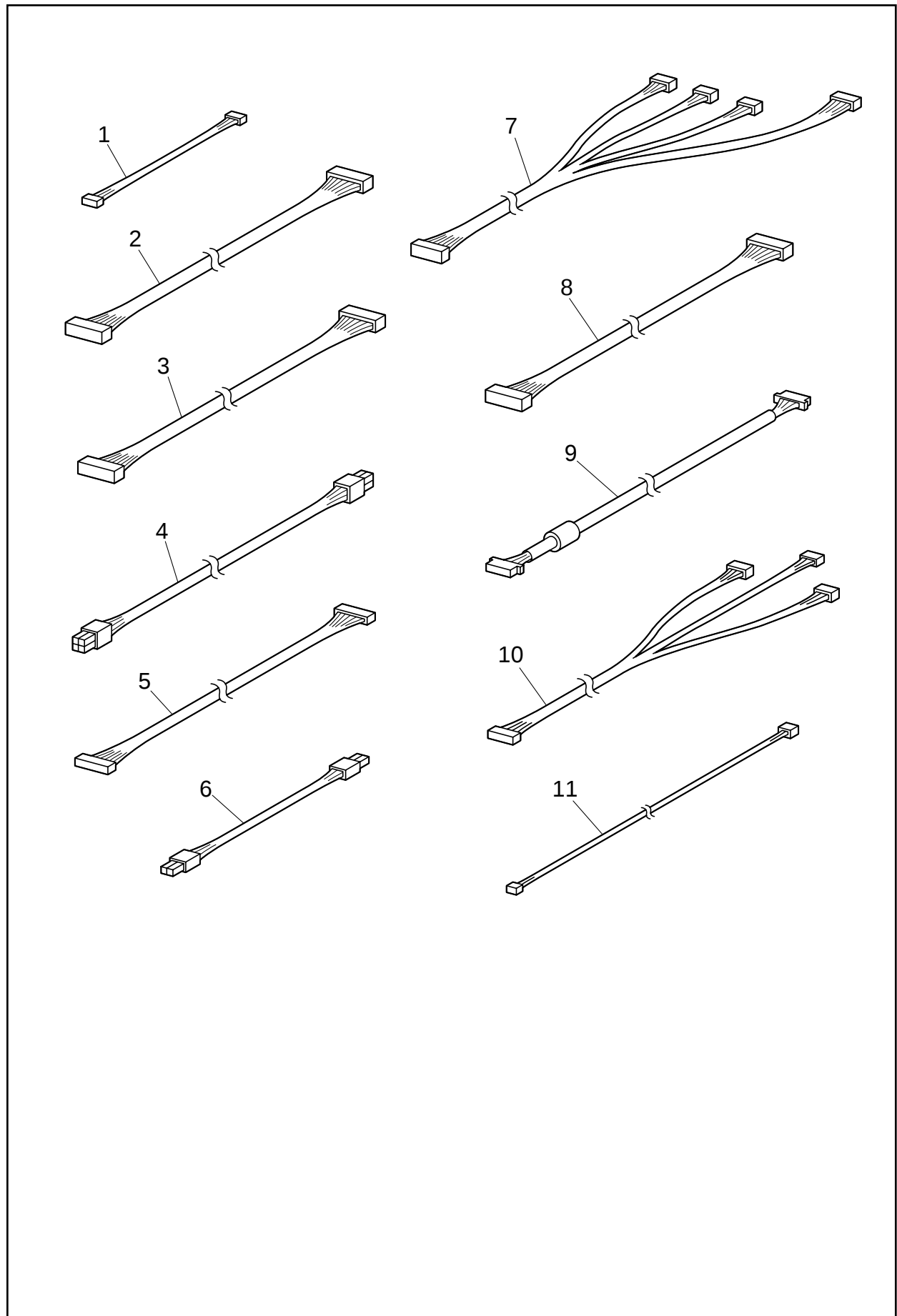
T/I NO. PR2002163

15. HARNESS

REF.NO	CODE	Q'TY	DESCRIPTION	SYMBOL	REMARK
1	LM0279001	1	HARNESS ASSY LVNC		
2	LM0280001	1	HARNESS ASSY DRV 1		
3	LM0281001	1	HARNESS ASSY DRV 2		
4	LM0282001	1	HARNESS ASSY LVRPG		
5	LM0283001	1	HARNESS ASSY ROSKA		
6	LM0284001	1	HARNESS ASSY 24V		
7	LM0285001	1	HARNESS ASSY FRONT 1A		
8	LM0286001	1	HARNESS ASSY OPF MAIN		
9	LM0070001	1	HARNESS ASSY OPEPANE AS		
10	LM0287001	1	HARNESS ASSY EEPROM		
11	LM0288001	1	HARNESS ASSY TMPB		

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15. HARNESS



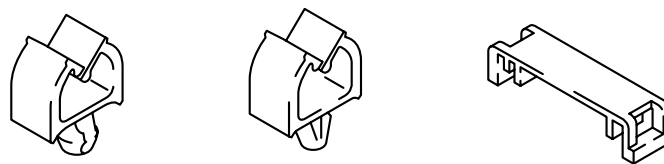
MODEL HL-4000CN 54S601

REF.NO	CODE	Q'TY	DESCRIPTION	SYMBOL	REMARK
1	LM0289001	1	KIT CLAMP		
2	LM0290001	1	KIT E RING		
3	LM0291001	1	HARDWARE KIT		
4	LM0296001	1	HL-4000 ACTUATOR KIT		

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16. KIT

1



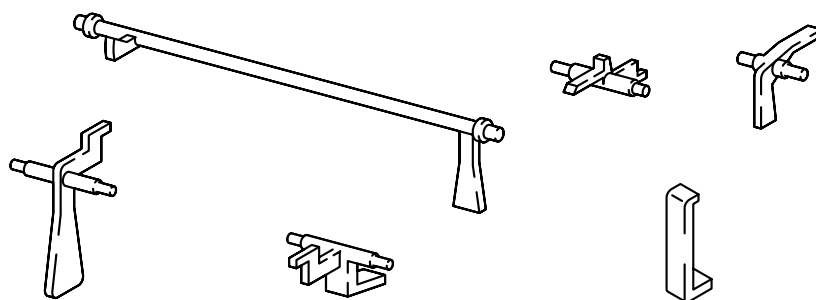
2



3



4



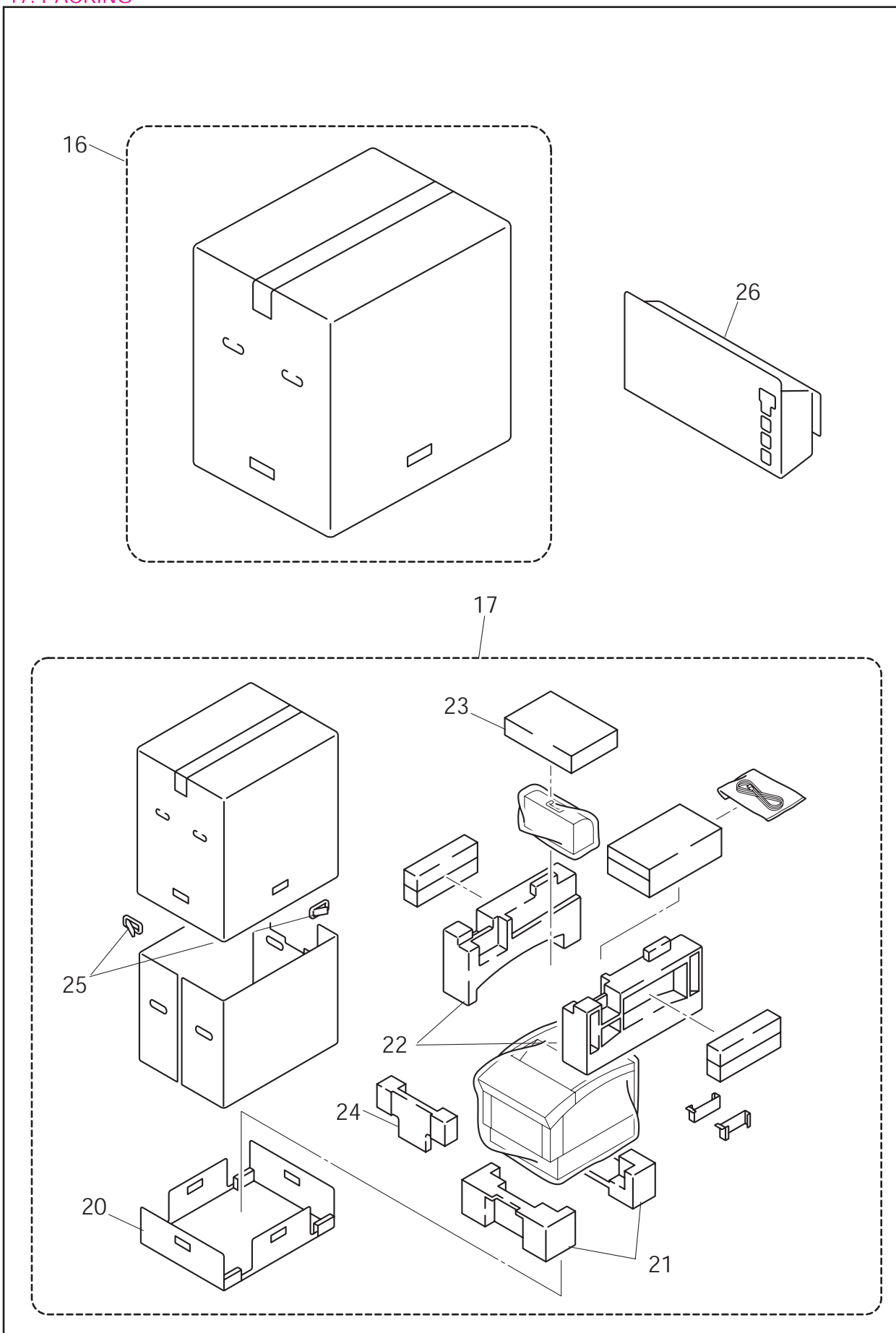
MODEL HL-4000CN 54S601

17. PACKING

REF.NO	CODE	Q'TY	DESCRIPTION	SYMBOL	REMARK
16	LM0292001	1	KIT REPACK BOX IOT (10 PCS)		chg
16	LM0365001	1	KIT REPACK BOX IOT (1 PIECE)		add
17	LM0294001	1	KIT PACKING IOT		
18	LM0293001	1	KIT REPACK BOX FDR		del
19	LM0295001	1	KIT PACKING FDR		del
20	LM0348001	1	TRAY BOTTOM		add
21	LM0349001	1	PAD BOTTOM ASSY		add
22	LM0350001	1	PAD TOP ASSY		add
23	LM0351001	1	PAD TOP PHD		add
24	LM0352001	1	PAD FRONT		add
25	LM0353001	1	JOINT		add
26	LM0934001	1	KIT RETURN BOX 1PCS		CHG

MODEL HL-4000CN 54S601

17. PACKING



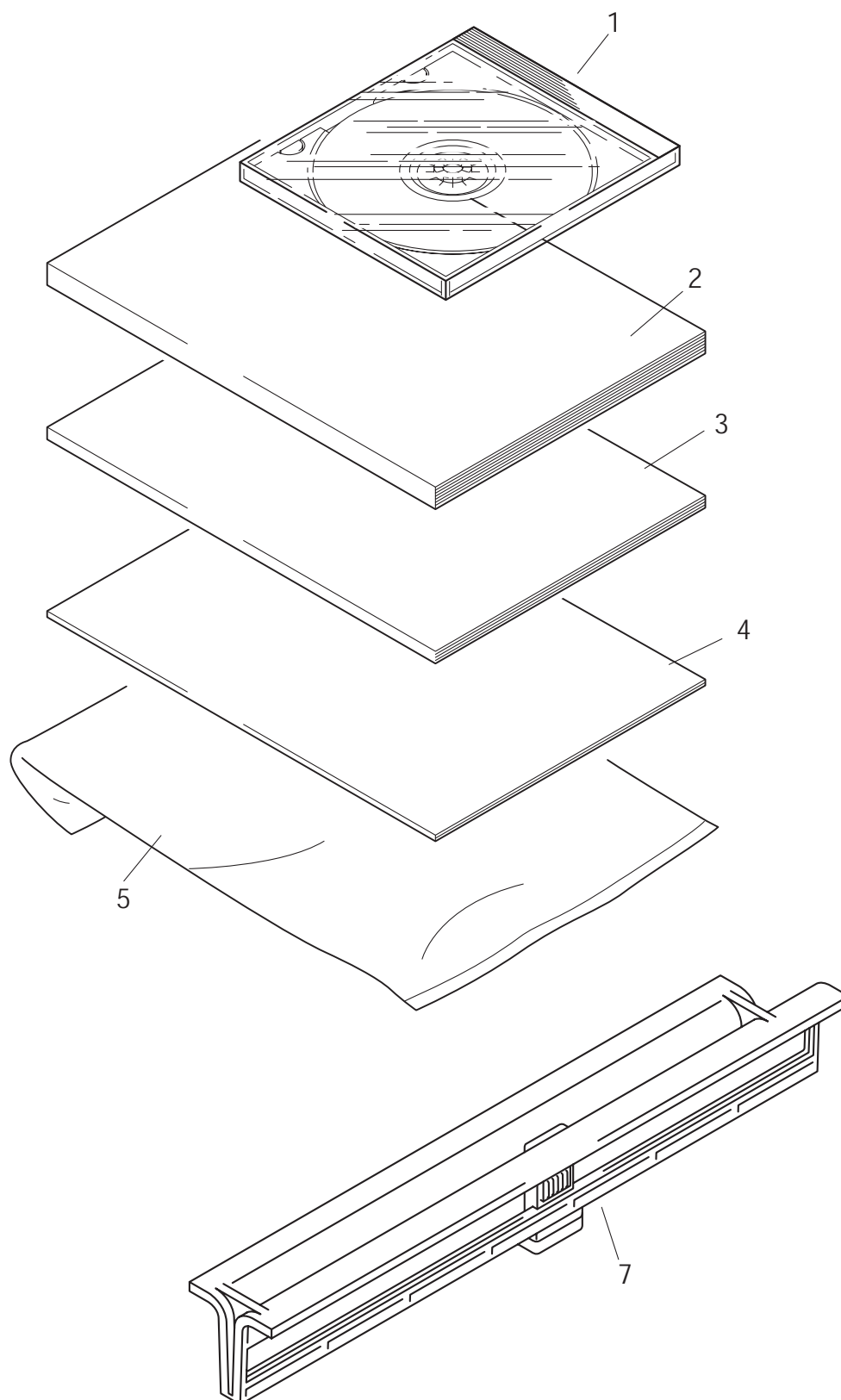
MODEL HL-4000CN 54S601

18. ACCESSORIES

REF.NO	CODE	Q'TY	DESCRIPTION	SYMBOL	REMARK
1	LJ8927001	1	CD ASSY WIN	Ver.B	chg
1	LJ9102001	1	CD ASSY MAC		
2	LJ3855001	1	SET GUIDE, ENG		
2	LJ3856001	1	SET GUIDE, FRA		
3	LJ3857001	1	DRIVER SET GUIDE WIN, ENG		
3	LJ3858001	1	DRIVER SET GUIDE WIN, FRA		
3	LM0110001	1	DRIVER SET GUIDE MAC, ENG		
3	LM0111001	1	DRIVER SET GUIDE MAC, FRA		
4	LM0130001	1	READ ME FIRST SHEET		
5	LJ4961001	1	BAG, 215X350H		
6	LM0929001	1	CLN-RTC ASSY		del
7	LM0950001	1	CLN-RTC KIT		ADD

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18. ACCESSORIES



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