

AstroJet SP2

Digital Color Envelope Printing System

Parts List

Part Number: 22834746-EN-E

Revision: 1.0

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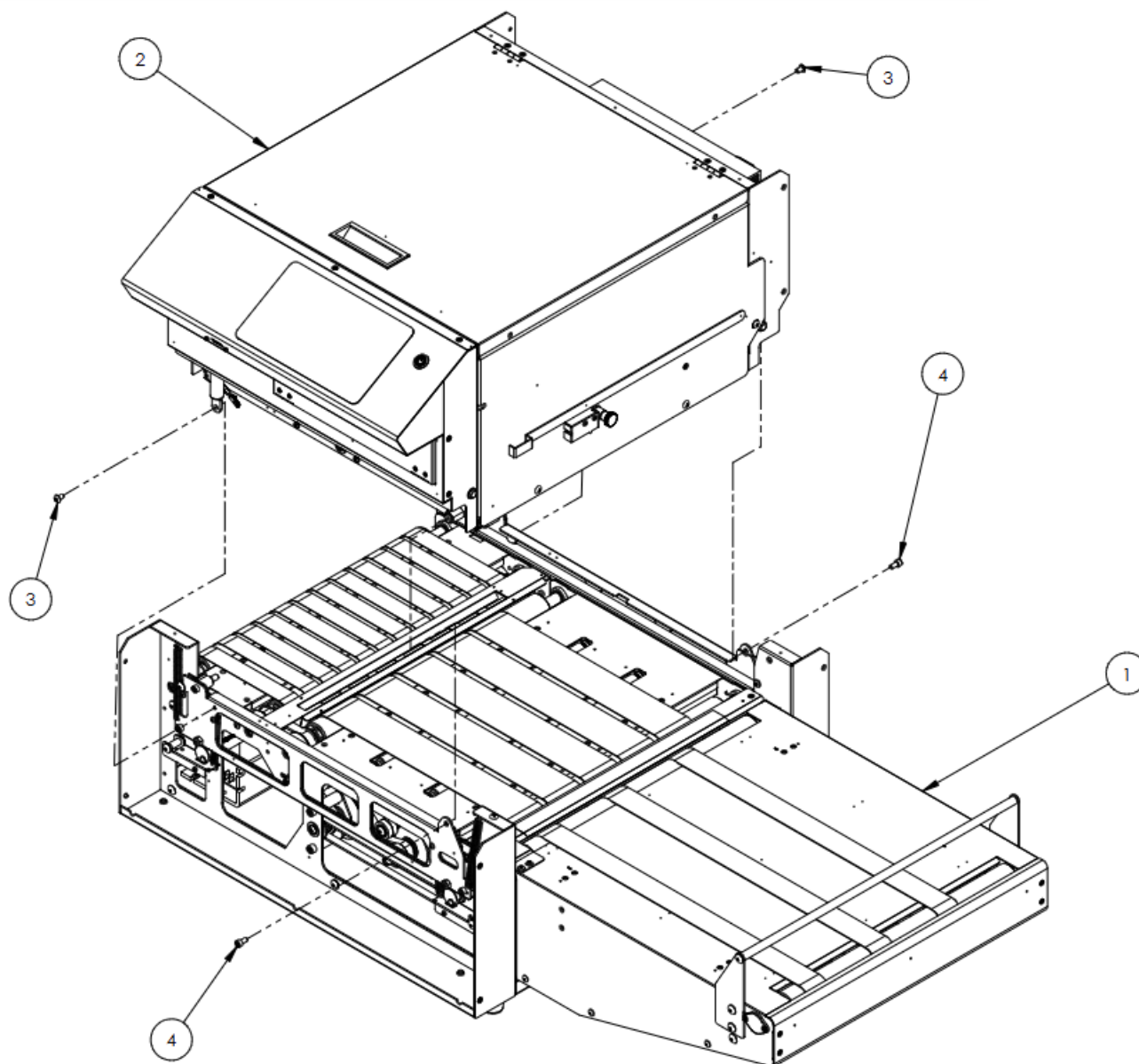
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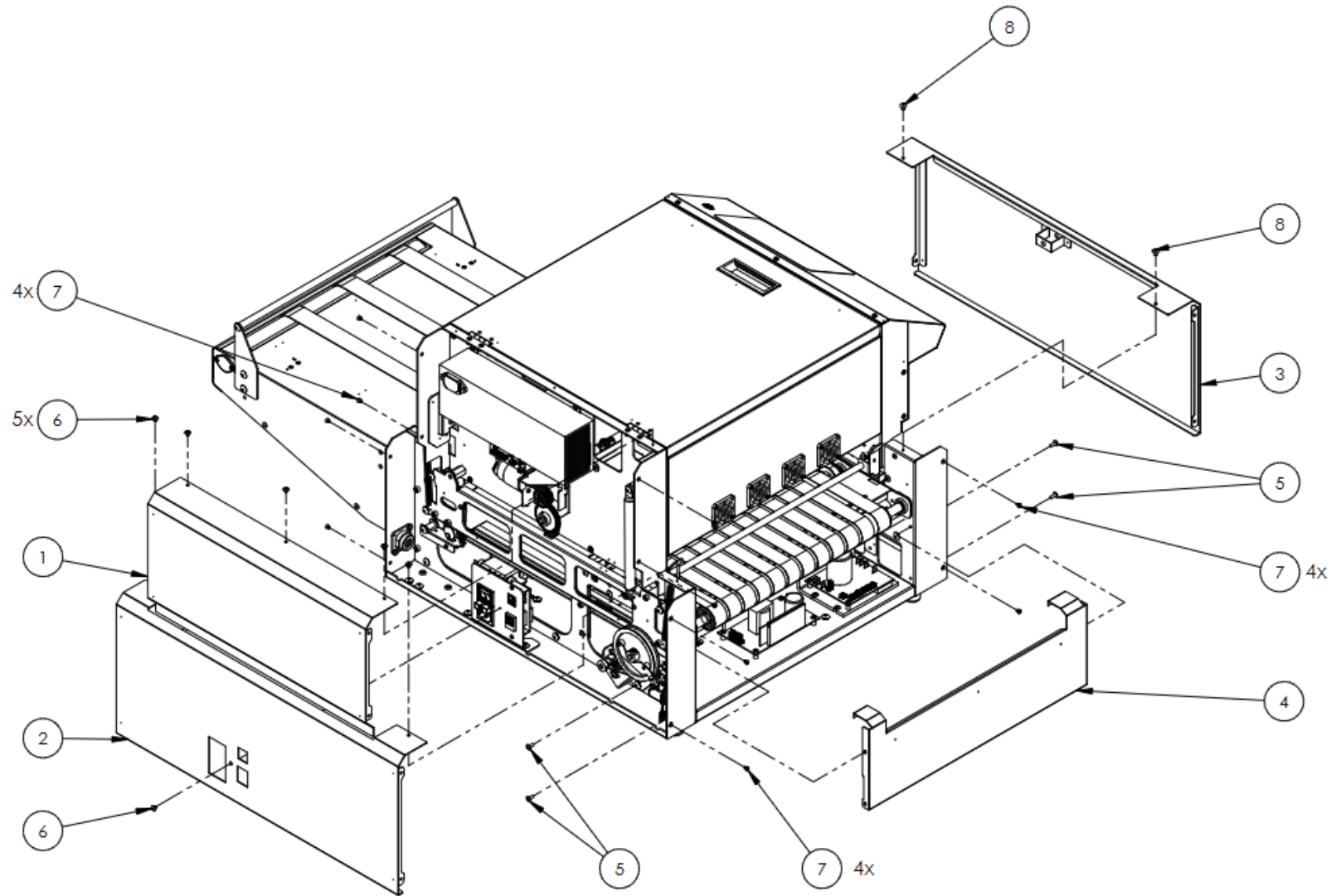
GROUP 1.1
PRINTER ASSEMBLY (53-100-02)



GROUP 1.1
PRINTER ASSEMBLY (53-100-02)

KEY	PART NO.	DESCRIPTION	QTY
1	53-110-02	CONVEYOR FRAME ASSY	1
2	53-100-04	HEAD ASSY, SP2	1
3	123-2451	SCREW, SOCKET HEAD BUTTON 10-32 X 5/16", 18-8	2
4	123-0185	SCREW, 10-32 X 3/8 SOCKET HEAD CAP SS	2
5	123-0675	SCREW, 6-32 X 3/16 FLAT HEAD W/ UNDERCUT SS	3
6	123-1136	SCREW, 8-32 X 1/4 TRUSS HEAD PHILIPS SS	1

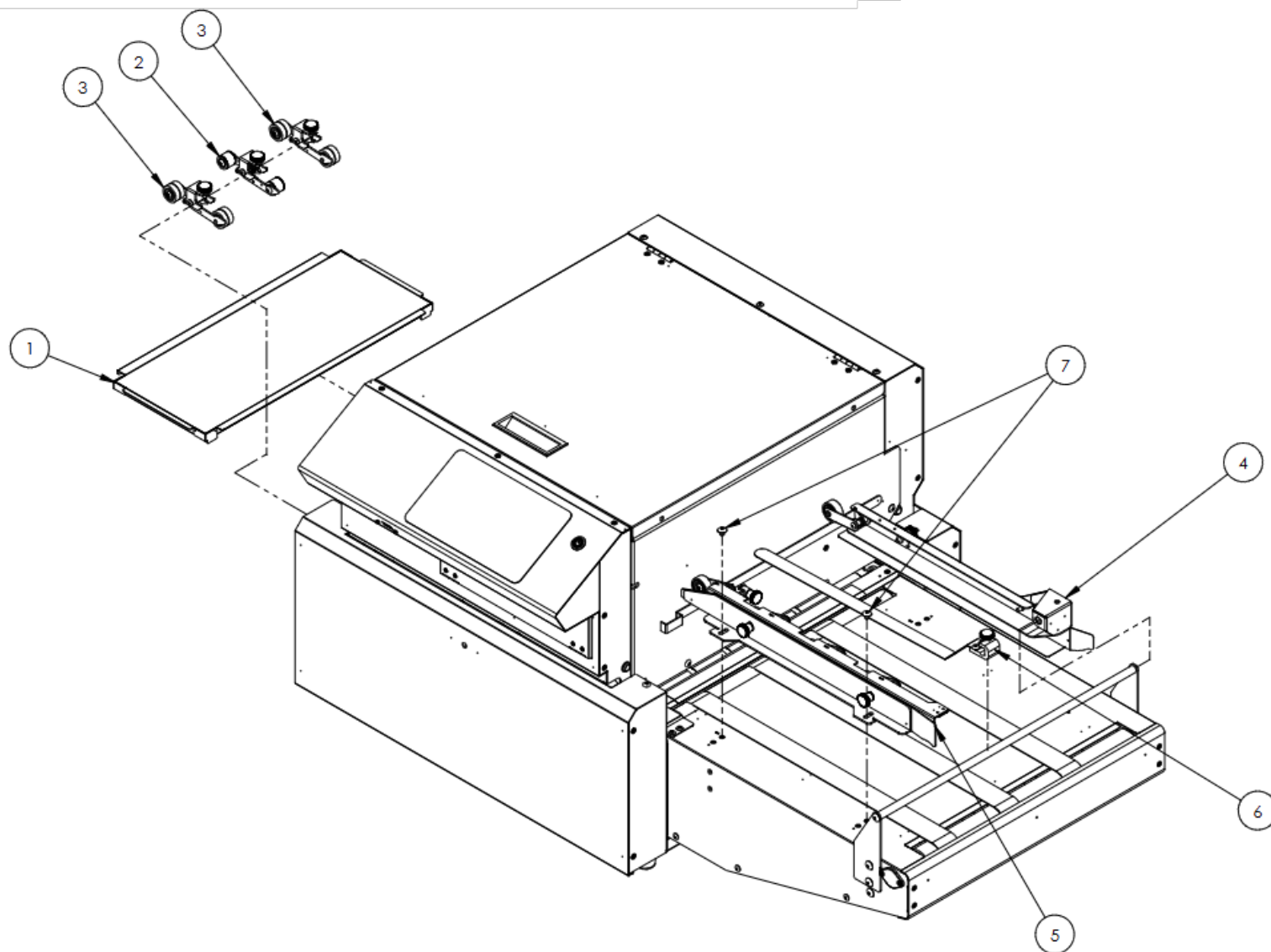
GROUP 1.2
PRINTER ASSEMBLY (53-100-02)



GROUP 1.2
PRINTER ASSEMBLY (53-100-02)

KEY	PART NO.	DESCRIPTION	QTY
1	53-100-32	HEAD FRAME COVER	1
2	53-110-25	FRONT COVER REAR, SP2	1
3	53-110-23	SIDE FRAME, FRONT COVER, SP2	1
4	53-116-04	EXIT TRANSPORT CLOSURE, SP2	1
6	123-0274	SCREW, 6-32 X 3/8 PHILLIPS TRUSS HEAD SS	4
7	123-2360	SCREW, 6-32 X 3/16, TRUSS HEAD PHILLIPS	6
8	123-0675	SCREW, 6-32 X 3/16 FLAT HEAD W/ UNDERCUT SS	12
9	123-1136	SCREW, 8-32 X 1/4 TRUSS HEAD PHILLIPS SS	2

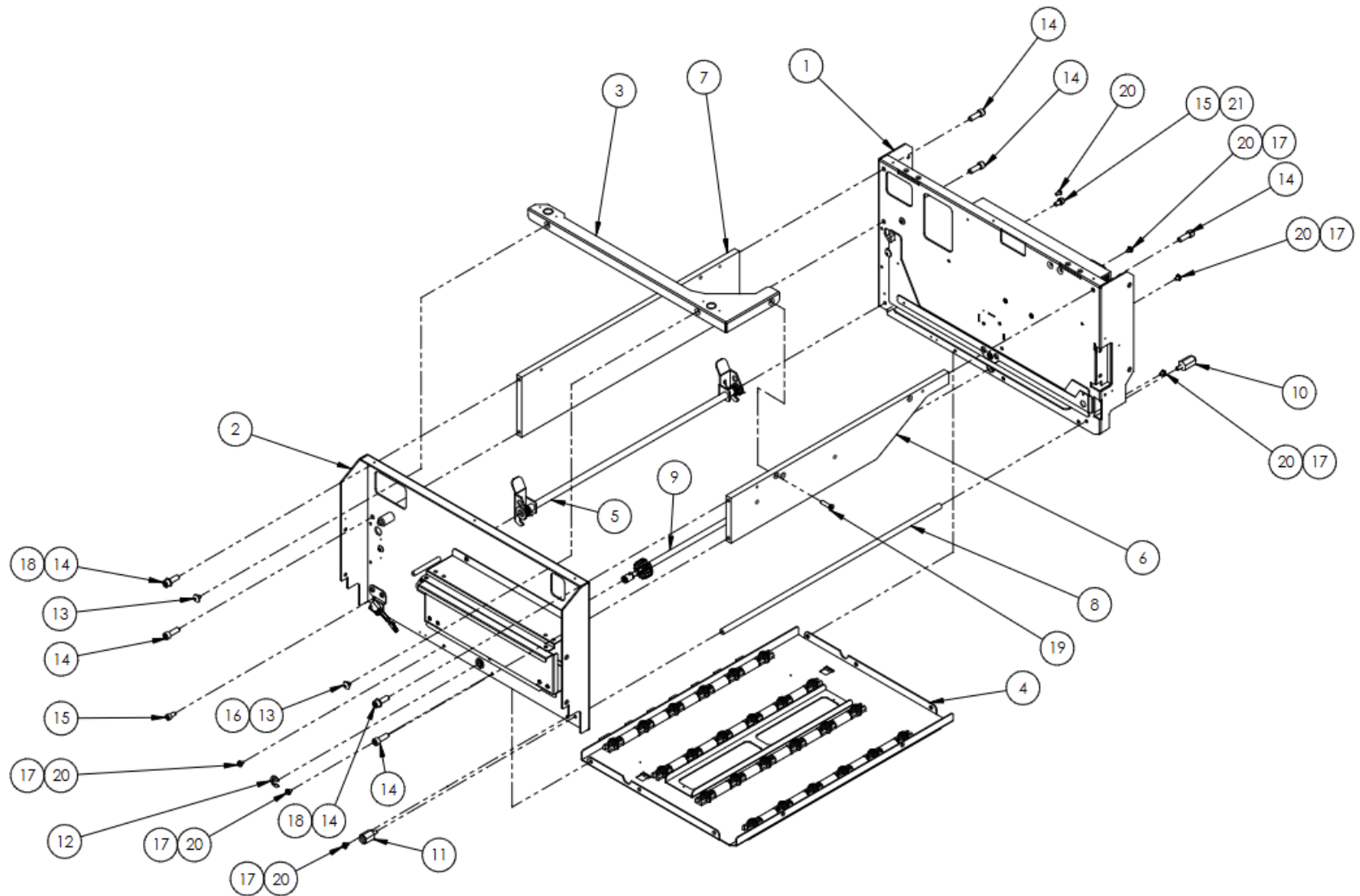
GROUP 1.3
PRINTER ASSEMBLY (53-100-02)



GROUP 1.3
PRINTER ASSEMBLY (53-100-02)

KEY	PART NO.	DESCRIPTION	QTY
1	53-112-20	INK PAN ASSY.	1
2	53-116-12	EXIT WHEEL ASSY.	1
3	53-116-23	EXIT WHEEL ASSY.	2
4	53-117-04	ADJUSTABLE RH MEDIA GUIDE ASSY.	1
5	53-117-40	FIXED LH MEDIA GUIDE ASSY.	1
6	95-105-24	PAPER RETAINER ASSY.	1
7	123-0017	SCREW, 10-32 X ¼ TRUSS HEAD PHILIPS SS	2
8	123-0675	SCREW, 6-32 X 3/16 FLAT HEAD W/ UNDERCUT SS	3
9	123-1136	SCREW, 8-32 X ¼ TRUSS HEAD PHILIPS SS	1

GROUP 2.1 HEAD ASSEMBLY (53-100-04)



GROUP 2.1
HEAD ASSEMBLY (53-100-04)

KEY	PART NO.	DESCRIPTION	QTY
1	53-100-05	REAR SIDE FRAME ASSY.	1
2	53-100-09	REAR SIDE FRAME ASSY.	1
3	53-101-08	HEAD REINFORCEMENT ASSY.	1
4	53-103-02	HEAD MEDIA GUIDE ASSY.	1
5	53-104-11	HEAD EXIT CROSS BAR ASSY.	1
6	53-104-37	HEAD BRIDGE R/H	1
7	53-104-38	HEAD BRIDGE L/H	1
8	53-104-39	HEAD CROSS BAR, BOTTOM	1
9	53-109-27	MAINTENANCE SHAFT ASSY.	1
10	53-111-11	HEAD HOLDER REAR ASSY.	1
11	53-111-12	HEAD HOLDER FRONT ASSY.	1
12	123-0006	TRUARC, #5133-37, 3/8"	1
13	123-0017	SCREW, 10-32 X 1/4 TRUSS HEAD PHILIPS SS	2
14	123-0182	SCREW, 1/4-20 X 3/4 SOCKET HEAD CAP SS	7
15	123-0185	SCREW, 10-32 X 3/8 SOCKET HEAD CAP SS	2
16	123-0237	WASHER, #10 STAR EXTERNAL	1
17	123-0252	WASHER, #6 STAR EXTERNAL	6
18	123-0278	WASHER, 1/4 STAR INTERNAL, SS	2
19	123-0531	SCREW, 10-32 X 3/4 FLAT HEAD PHILIPS SS	1
20	123-0612	SCREW, 6-32 X 1/4 PAN PHILIPS HEAD. SS	7
21	123-2396	WASHER, STAR #10, INTERNAL	1

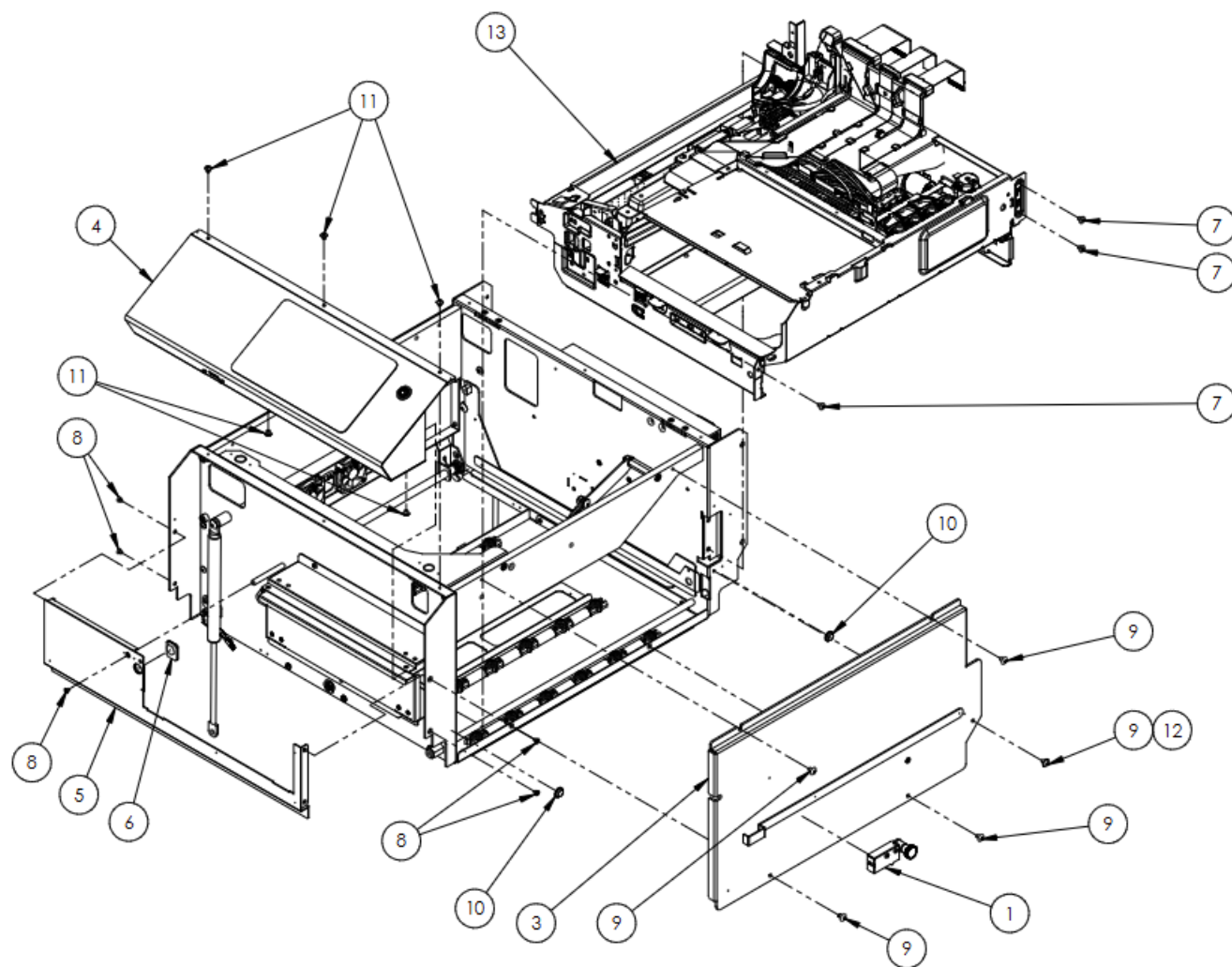
This exploded view diagram illustrates the assembly of a refrigerator. The components are numbered as follows:

- 1:** Refrigerator door
- 2:** Door hinge pin
- 3:** Top panel
- 4:** Top panel hinge pin
- 5:** Top panel hinge pin
- 6:** Bottom panel
- 7:** Side panel
- 8:** Side panel hinge pin
- 9:** Side panel hinge pin
- 10:** Side panel hinge pin
- 11:** Side panel hinge pin
- 12:** Side panel hinge pin
- 13:** Side panel hinge pin
- 14:** Side panel hinge pin
- 15:** Side panel hinge pin
- 16:** Side panel hinge pin

GROUP 2.2
HEAD ASSEMBLY (53-100-04)

KEY	PART NO.	DESCRIPTION	QTY
1	48-103-14	GAS SPRING	2
2	53-100-09	REAR SIDE FRAME ASSY.	1
3	53-101-13	TOP COVER ASSY.	1
4	53-101-18	TOP COVER GUIDE	1
5	53-101-19	COVER STOPPER PIVOT	1
6	53-101-04	EXIT COVCER ASSY., SP2	1
7	123-0024	SCREW, 10-32 X 3/8 TRUSS HEAD PHILLIPS SS	2
8	123-0053	NUT, 10-32 SELF LOCKING SS	2
9	123-0114	WASHER, 3/16 X 7/16 X 1/32 PLASTIC	5
10	123-0180	SCREW, 10-32 X ½ TRUSS PHILIPS SS 18-8	1
11	123-0252	WASHER, #6 STAR EXTERNAL	1
12	123-0751	SCREW, 6-32 X 3/8 FLAT HEAD UNDERCUT PHILIPS SS	4
13	123-1135	SCREW, 6-32 X ¼ TRUSS HD PH SS	4
14	123-1136	SCREW, 8-32 X ¼ TRUSS HEAD PHILIPS SS	2
15	123-2273	LOCKNUT, HEX NYLON INSERT 6-32, SS	4
16	123-3435	SCREW, 10-32 X 2 ¼", SS PHILIPS FLT HD	1

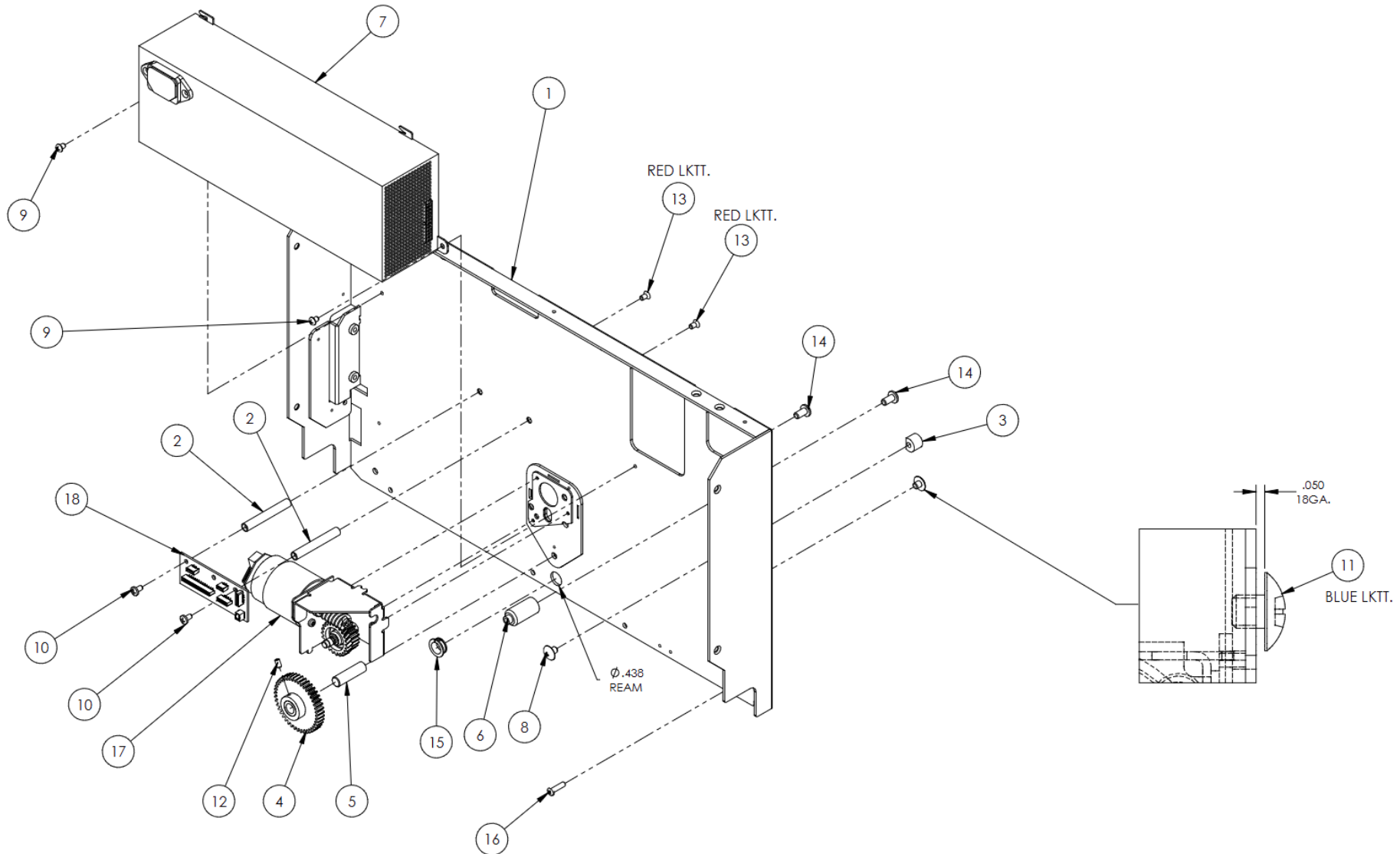
GROUP 2.3
HEAD ASSEMBLY (53-100-04)



GROUP 2.3
HEAD ASSEMBLY (53-100-04)

KEY	PART NO.	DESCRIPTION	QTY
1	49-107-03	MEDIA SENOR BRACKET ASSY.	1
2	53-100-09	REAR SIDE FRAME ASSY.	1
3	53-101-22	ENTRANCE COVER, SP2	1
4	53-102-03	FACE COVER ASSY., SP2	1
5	53-102-25	FRONT FRAME CLOSURE, SP2	1
6	53-102-30	MAGNET HOLDER ASSY.	1
7	123-0125	SCREW, 8-32 X 3/16 BINDING HEAD PHILIPS SS	3
8	123-0675	SCREW, 6-32 X 3/16 FLAT HEAD W/ UNDERCUT SS	8
9	123-1136	SCREW, 8-32 X 1/4 TRUSS HEAD PHILIPS SS	5
10	123-1257	BUMPER, MOLDED URETHANE 2001CL	2
11	123-2360	SCREW, 6-32 X 3/16, TRUSS HEAD PHILIPS	2
12	123-3072	WASHER STAR, #8 SCREW ZINC, EXTERNAL TOOTH	1
13	15141120	PRINT ENGINE W/ SERVICE STATION	1

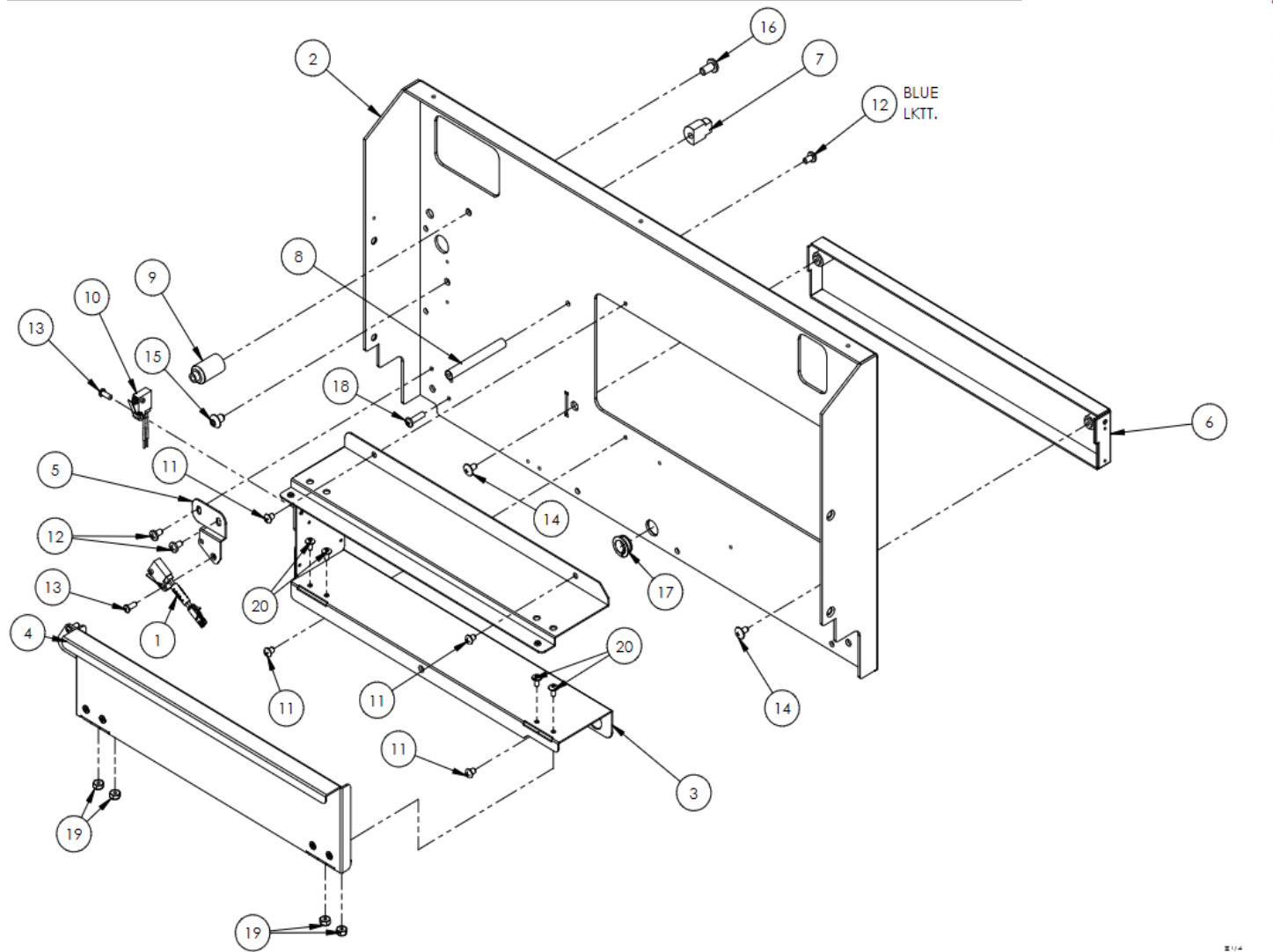
GROUP 3 REAR SIDE FRAME ASSEMBLY (53-100-05)



GROUP 3
REAR SIDE FRAME ASSEMBLY (53-100-05)

KEY	PART NO.	DESCRIPTION	QTY
1	53-100-06	REAR SIDE FRAME, SP2	1
2	53-100-40	STANDOFF, 6-32 X ¼" X 1.75"	2
3	53-104-33	HEAD STOPPER, REAR	1
4	53-109-31	SLED DOUBLE HEAR 43-16 ASSY.	1
5	53-109-36	SLED DOUBLE GEAR STUD	1
6	53-111-24	GAS SPRING PIVOT REAR	1
7	53-500-45	HP POWER SUPPLY W SAFETY CAP	1
8	123-0017	SCREW, 10-32 X ¼ TRUSS HEAD PHILIPS SS	1
9	123-0461	SCREW, 6-32 X 3/16 ROUND HEAD PHILIPS SS	2
10	123-0612	SCREW, 6-32 X ¼ PAN PHILIPS HEAD, SS	2
11	123-0701	SCREW, 10-32 X 3/16 TRUSS HEAD PHILIPS SS	1
12	123-0757	SCREW, 6-32 X ¼ SET CUP POINT SS	1
13	123-1178	SCREW, 6-32 X ¼ FLAT HEAD UNDERCUT PHILIPS SS	2
14	123-1210	SCREW, 10-32 X 3/8 BUTTON HEAD SOCKET CAP SS BLACK	2
15	123-1789	FLANGE, 3/8" SNAP-IN, MCI-06-02	1
16	123-2007	SCREW, 6-32 X ½ PAN HEAD SS	1
17	123-6007	MOTOR, SERVICE TRAY HP F1 1000	1
18	123-6008	PCB, LEFT REAR UPPER HP F1 1000	1

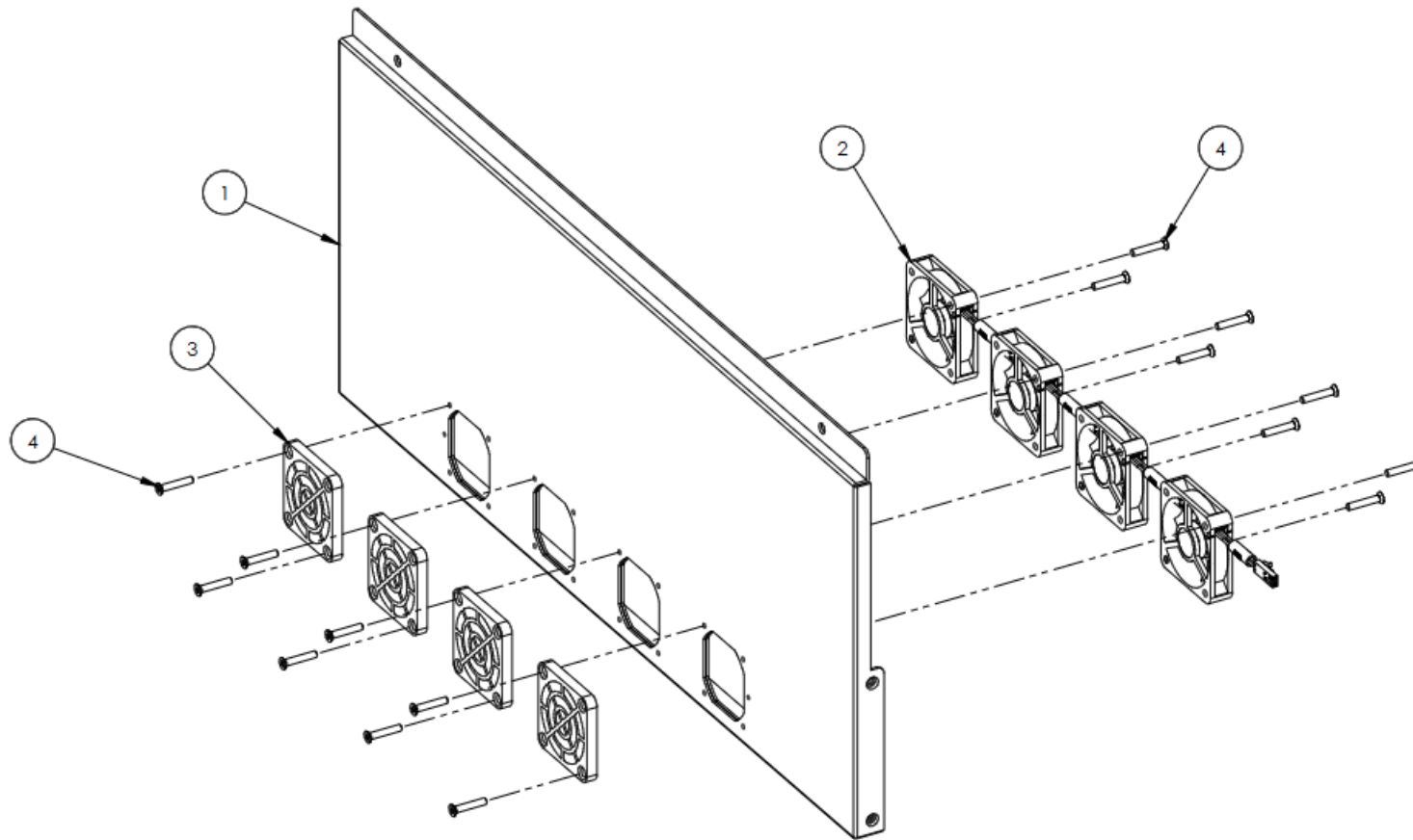
GROUP 4 **FRONT SIDE FRAME ASSEMBLY (53-100-09)**



GROUP 4
FRONT SIDE FRAME ASSEMBLY (53-100-09)

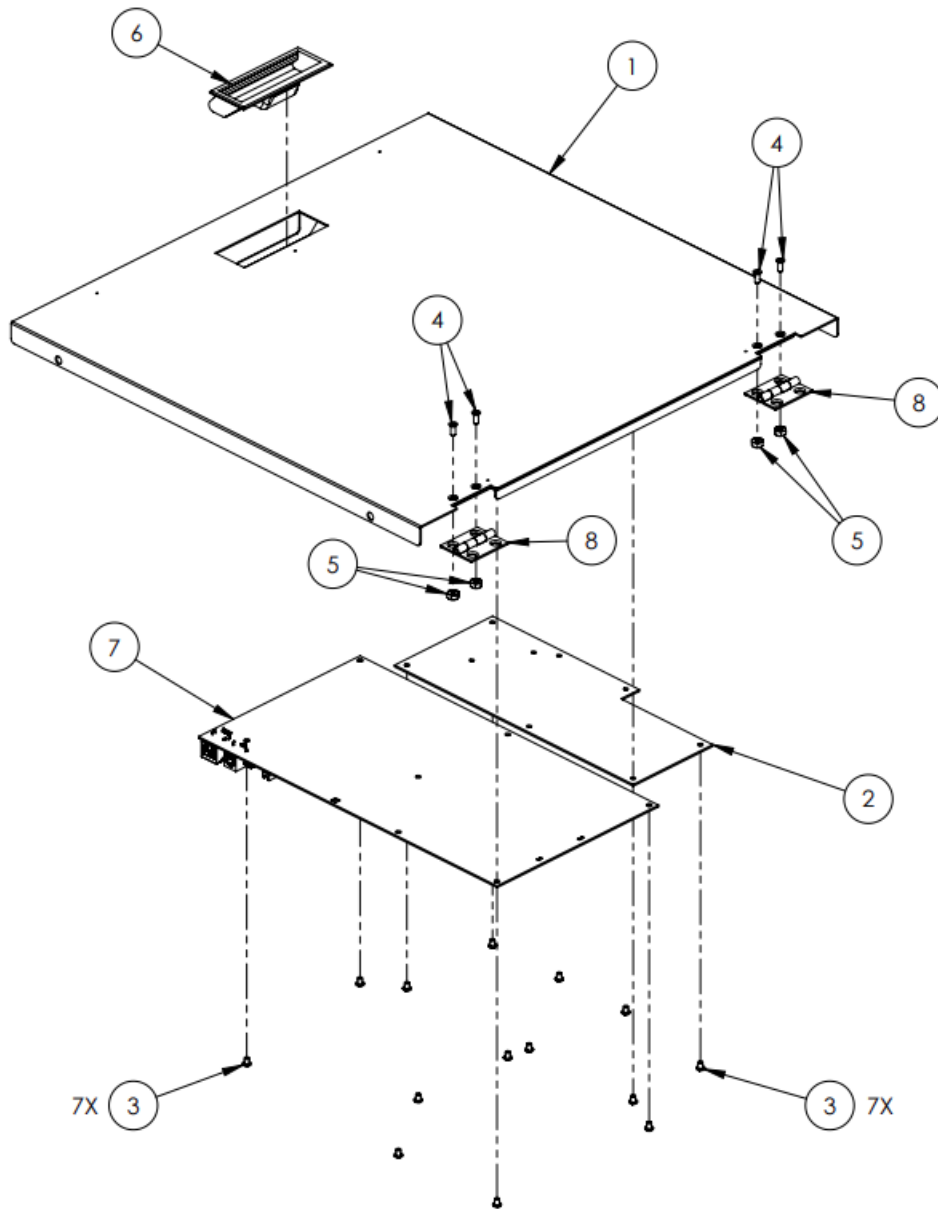
KEY	PART NO.	DESCRIPTION	QTY
1	48-500-61	SWITCH ASSY.	1
2	53-100-10	FRONT SIDE FRAME, SP2	1
3	53-102-14	CARTRIDGE OPENING GUARD WELDMENT	1
4	53-102-20	CARTRIDGE DOOR ASSY.	1
5	53-104-22	HEAD CLOSING SENSOR BRACKET	1
6	53-104-26	REAR SIDE FRAME SLIDER ASSY.	1
7	53-104-34	HEAD STOPPER, FRONT	1
8	53-104-43	FRONT COVER SUPPORT	1
9	53-111-23	GAS SPRING PIVOT FRONT	1
10	53-500-16	SAFETY SWITCH 2 – INK DOOR	1
11	123-0461	SCREW, 6-32 X 3/16 ROUND HEAD PHILIPS SS	4
12	123-0612	SCREW, 6-32 X 1/4 PAN PHILIPS HEAD, SS	3
13	123-1023	SCREW, 4-40 X 5/16 PHILIPS ROUND HEAD SS	2
14	123-1135	SCREW, 6-32 X 1/4 TRUSS.HD.PH. SS	2
15	123-1206	SCREW, 10-32 X 1/4 BUTTON HEAD SOCKET CAP BLACK	1
16	123-1210	SCREW, 10-32 X 3/8 BUTTON HEAD SOCKET CAP SS BLACK	1
17	123-1789	FLANGE, 3/8" SMAP-IN, MCI-06-02	1
18	123-2007	SCREW, 6-32 X 1/2 PAN HEAD SS	1
19	123-2282	LOCKNUT, 4-40 HEX NYLON INSERT	4
20	123-2770	SCREW, 4-40 X 1/4" PHILIPS TRUSS HEAD MACHINE, 18-8 SS	4

GROUP 5
EXIT COVER ASSEMBLY (53-101-04)



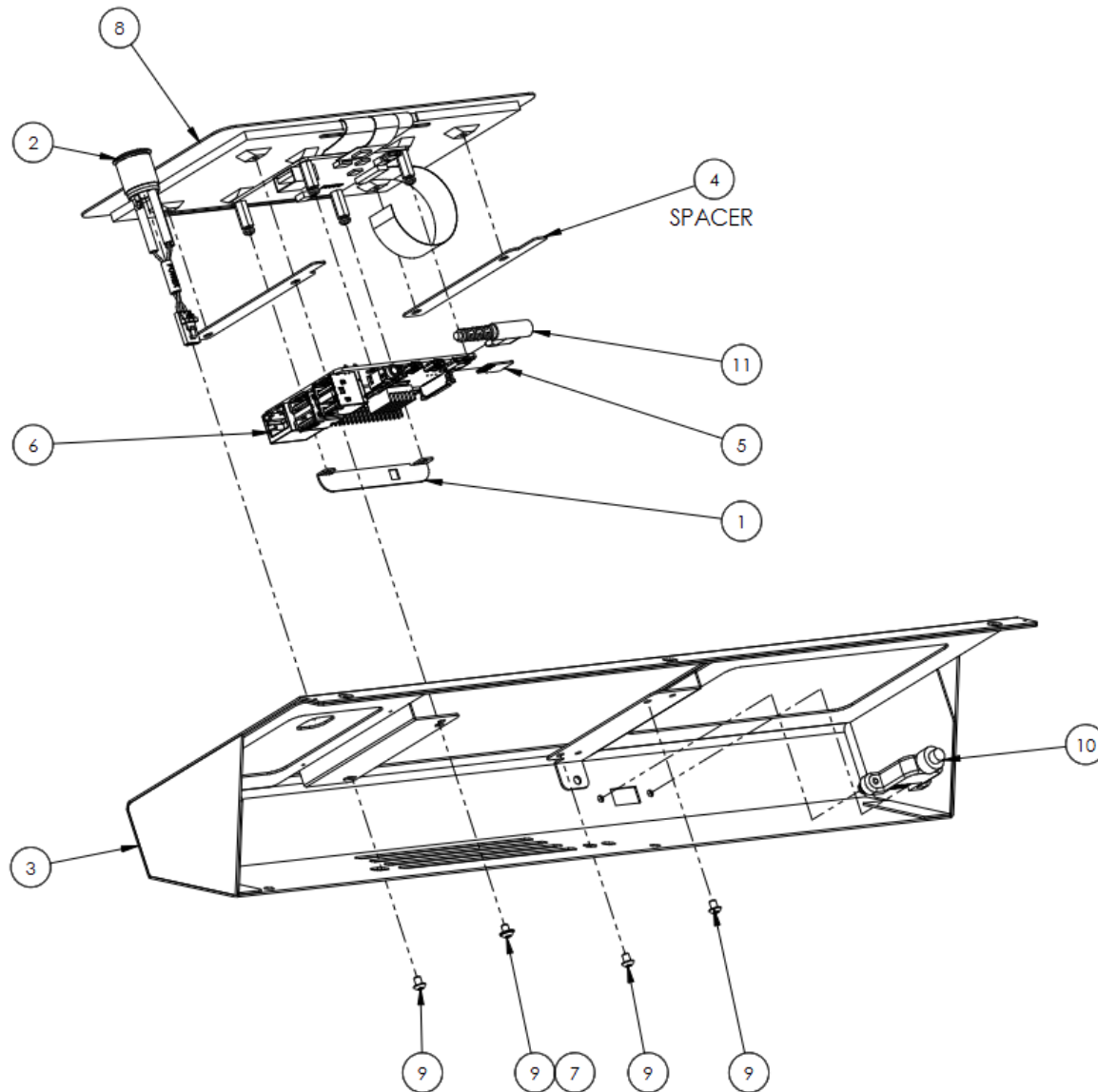
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	53-101-05	EXIT COVER, SP2	1
2	34-500-17	WIRE HARNESS, FAN ASSY	4
3	123-2806	GUARD, HIGH FAN WITH FILTER	4
4	123-2652	SCREW, 4-40 X 5/8", SS PHILIPS FLT HD UNDER CUT	16

GROUP 6
TOP COVER ASSEMBLY (53-101-13)



KEY	PART NO.	DESCRIPTION	QTY
1	53-101-14	TOP COVER, SP2	1
2	53-500-150	BOARD, CONTROL, ASTROJET SP2	1
3	123-0461	SCREW, 6-32 X 3/16 ROUND HEAD PHILIPS SS	14
4	123-0751	SCREW, 6-32 X 3/8 FLAT HEAD UNDERCUT PHILIPS SS	4
5	123-2273	LOCKNUT, HEX NYLON INSERT 6-32, SS	4
6	123-2438	HANDLE, SNAP-IN 3-1/2" X 1-1/2"	1
7	53-500-100	PROGRAMMED SP2 MPCA	1
8	123-2619	SURFACE-MOUNT HINGE WITH HOLES	2

GROUP 7
FACE COVER ASSEMBLY (52-102-03)



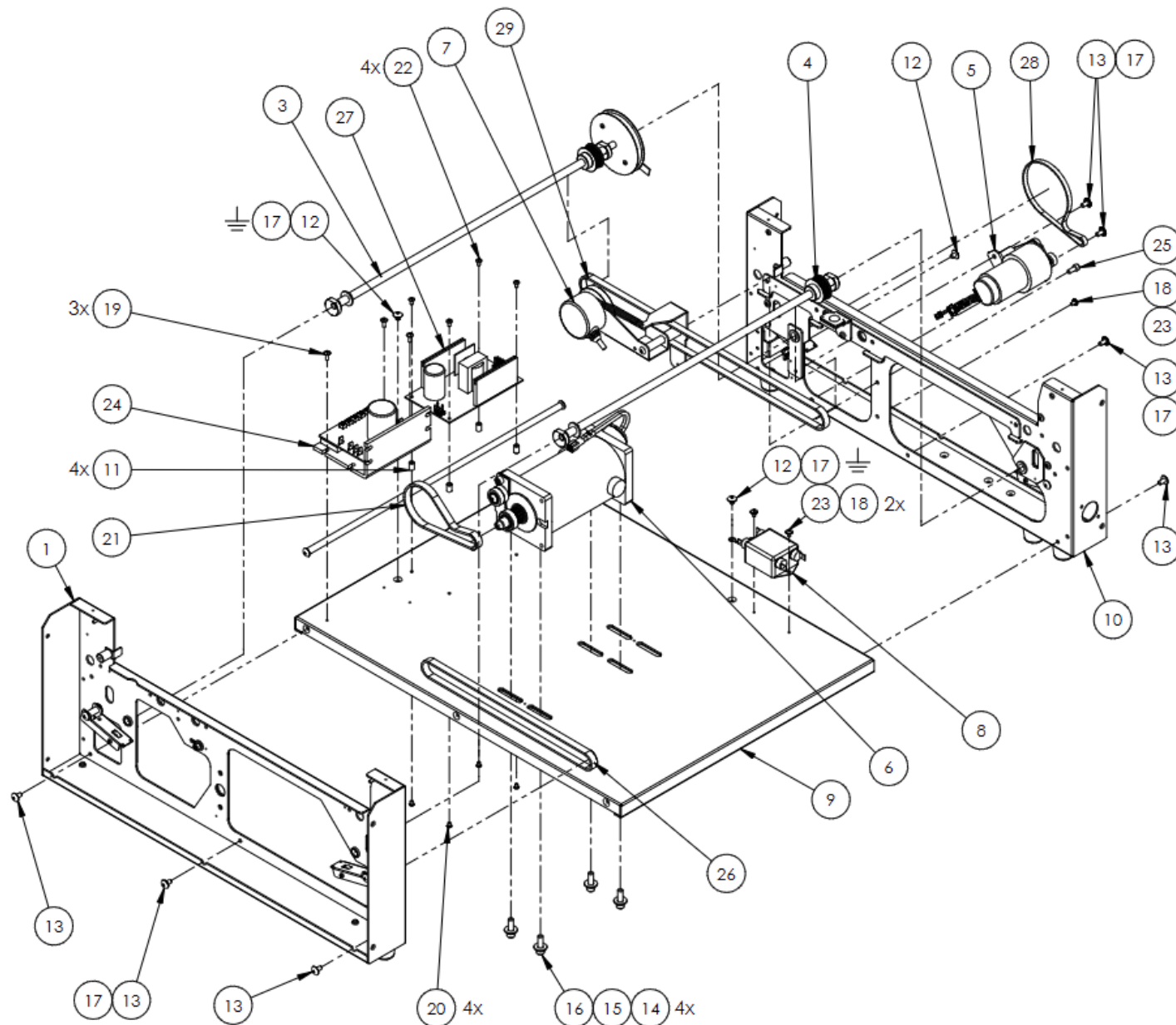
NOTES:

1. ALTERNATIVE DISPLAY: 123-3479, RASPBERRY PI - TOUCH DISPLAY 2
2. SPACERS NOT REQUIRED FOR ALT. DISPLAY.

GROUP 7
FACE COVER ASSEMBLY (53-102-03)

KEY	PART NO.	DESCRIPTION	QTY
1	48-115-32	HEAD COVER SWITCH BRACKET	1
2	48-500-19	POWER SWITCH	1
3	53-102-04	FACE COVER, SP2	1
4	53-102-11	TOUCH DISPLAY 1 SPACER	2
5	53-500-50	RP1 FI 1000 SD CARD, AMC	1
6	100-500-01	RASPBERRY PI 4 ASSY.	1
7	123-0261	WASHER, #4 STAR EXTERNAL	1
8	123-2782	RASPBERRY PI – TOUCHSCREEN DISPLAY	1
9	123-2820	SCREW, M3X0.5MM, 4MM LONG, ZINC BUTTON HEAD	4
10	123-3148	CABLE, USB FEMALE-MALE	1
11	123-3462	CABLE, USB-A TO USB-C 90 DEG, 1M LG.	1

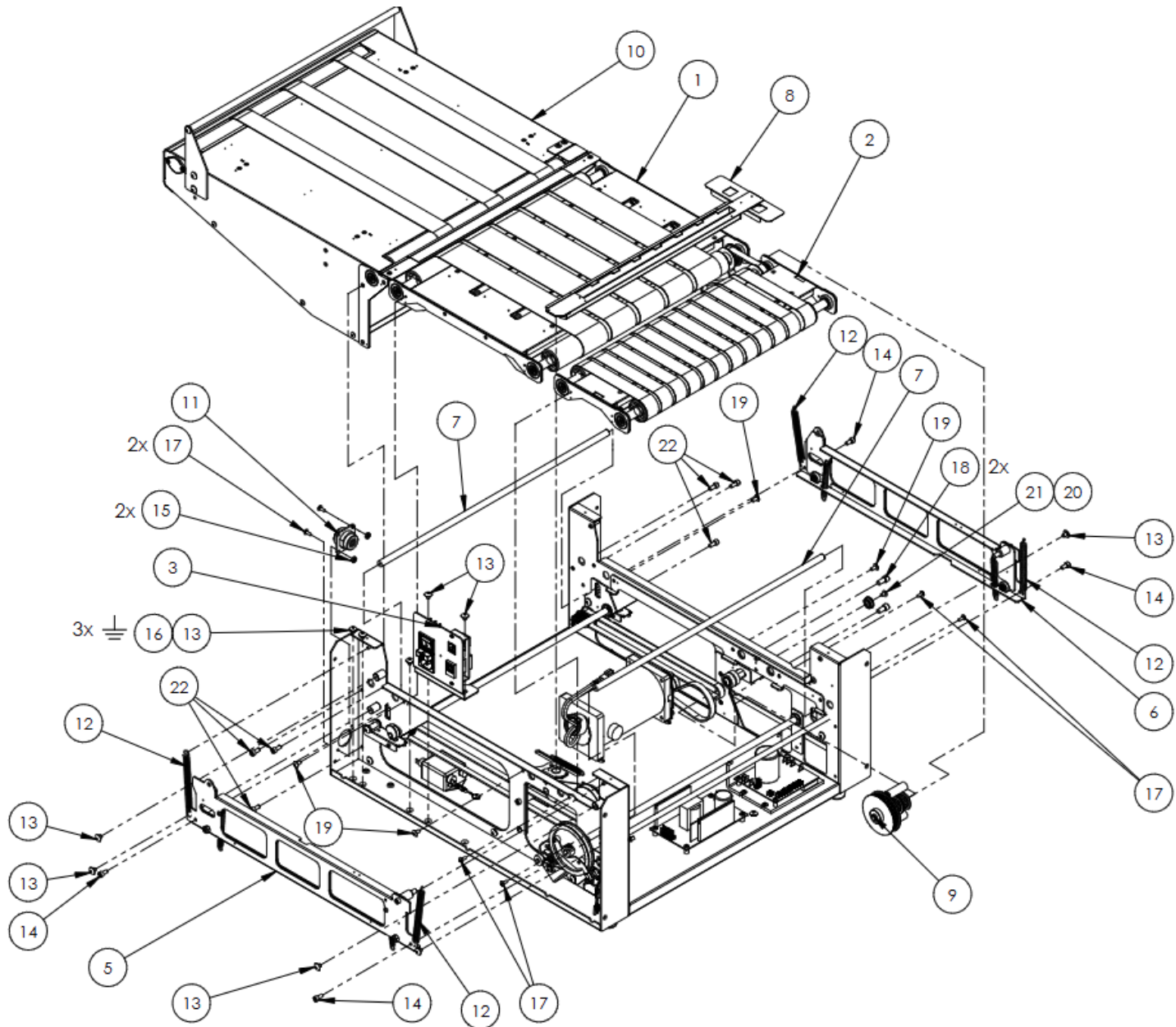
GROUP 8.1 **CONVEYOR FRAME ASSEMBLY (53-110-02)**



GROUP 8.1
CONVEYOR FRAME ASSEMBLY (53-110-02)

KEY	PART NO.	DESCRIPTION	QTY
1	53-110-06	SIDE FRAME FRONT ASSY.	1
2	53-110-29	FRAME CROSS BAR	1
3	53-113-04	ECCENTRIC DRIVE SHAFT ASSY.	1
4	53-117-07	ECCENTRIC DRIVEN SHAFT ASSY.	1
5	53-113-10	RISING MOTOR ASSY.	1
6	53-114-27	MOTOR RAE (M4000) ASSY.	1
7	53-116-40N	ENCODER ASSY.	1
8	53-500-20	FILTER ASSY.	1
9	53-110-19	MOTOR BASE, SP2	1
10	53-110-03	REAR SIDE FRAME ASSY.	1
11	95-100-32	PC BOARD SUPPORT	4
12	123-0017	SCREW, 10-32 X ¼ TRUSS HEAD PHILIPS SS	5
13	123-0024	SCREW, 10-32 X 3/8 TRUSS HEAD PHILIPS SS	7
14	123-0063	WASHER, 0.625OD X 0.281ID X 1/16	4
15	123-0064	WASHER, ¼ LOCK SS	4
16	123-0182	SCREW, ¼-20 X ¾ SOCKET HEAD CAP SS	4
17	123-0237	WASHER, #10 STAR EXTERNAL	6
18	123-0252	WASHER, #6 STAR EXTERNAL	3
19	123-0274	SCREW, 6-32 X 3/8 PHILIPS TRUSS HEAD SS	3
20	123-0461	SCREW, 6-32 X 3/16 ROUND HEAD PHILIPS SS	4
21	123-0573	BELT, TIMING 130XLO43	1
22	123-0612	SCREW, 6-32 X ¼ PAN PHILIPS HEAD, SS	4
23	123-1135	SCREW, 6-32 X ¼ TRUSS.HD.PH.SS	3
24	123-1651	CONTROL, SPEED #MMXL02-D240AC-PCM-0000	1
25	123-2062	SCREW, 10-32 X 7/16 SOCKET HEAD CAPS SS, BLACK	1
26	123-2661	BELT, TMING, 240XL X 120 TEETH	1
27	123-3411	POWER SUPPLY, AC/DC CONVERTER 24 V, 75 W	1
28	123-3415	BELT, TIMING 6MM WIDE, 160 TEETH, GT2	1
29	123-3417	BELT, 3MM HTD PITCH, 39 IT, 9MM WIDE	1

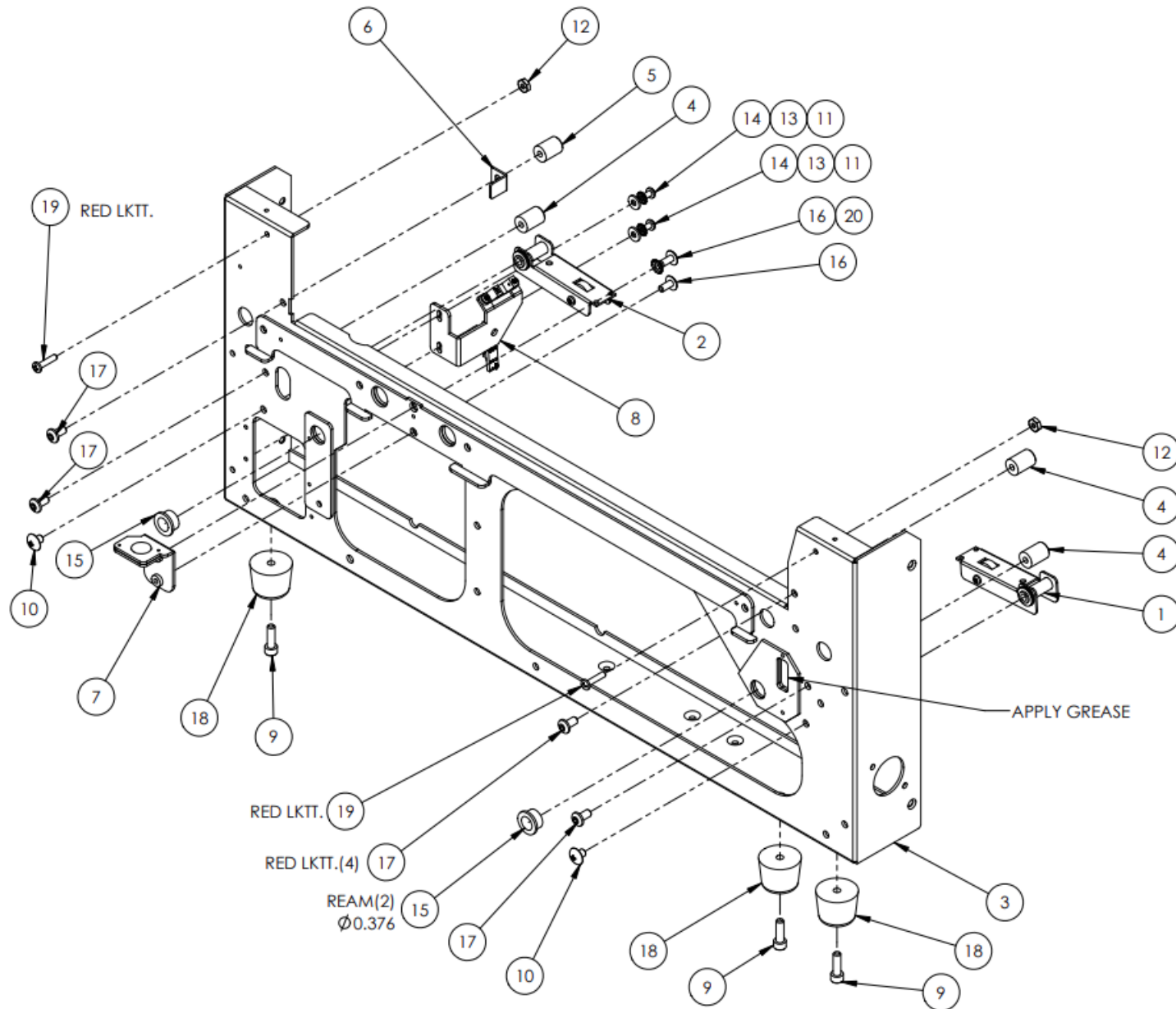
GROUP 8.2
CONVEYOR FRAME ASSEMBLY (53-110-02)



GROUP 8.2
CONVEYOR FRAME ASSEMBLY (53-110-02)

KEY	PART NO.	DESCRIPTION	QTY
1	53-108-03	CONVEYOR BODY ASSY.	1
2	53-108-23	CONVEYOR BODY ASSY.	1
3	53-109-12	INLETS HOLDER ASSY.	1
4	53-110-29	FRAME CROSS BAR	1
5	53-111-03	REAR FRAME BRIDGE ASSY.	1
6	53-111-08	FRONT FRAME BRIDGE ASSY.	1
7	53-111-19	BRIDGE CROSS BAR L/H	2
8	53-112-01	PRINT PLATEN ASSY.	1
9	53-114-02	DISTRIBUTOR SHAFT ASSY.	1
10	53-115-02	CONVEYOR BODY ASSY.	1
11	53-500-06	WH, FEEDER INTERFACE	1
12	84-120-10	SPRING PULL OUT ROLLER	4
13	123-0017	SCREW, 10-32 X 1/4 TRUSS HEAD PHILLIPS SS	12
14	123-0185	SCREW, 10-32 X 3/8 SOCKET HEAD CAP SS	4
15	123-0192	NUT, 6-32 HEX SS	2
16	123-0237	WASHER, #10 STAR EXTERNAL	3
17	123-0274	SCREW, 6-32 X 3/8 PHILLIPS TRUSS HEAD SS	6
18	123-0524	SCREW, 1/4-20 X 1/2 SOCKET HEAD CAP SS	2
19	123-0733	SCREW, 8-32 X 3/8 TRUSS HEAD SS 18-8	4
20	123-1064	BEARING, 1/4 X 5/8 X .196 SEALED	1
21	123-1136	SCREW, 8-32 X 1/4 TRUSS HEAD PHILLIPS SS	1
22	123-2062	SCREW, 10-32 X 7/16 SOCKET HEAD CAP SS, BLACK	6

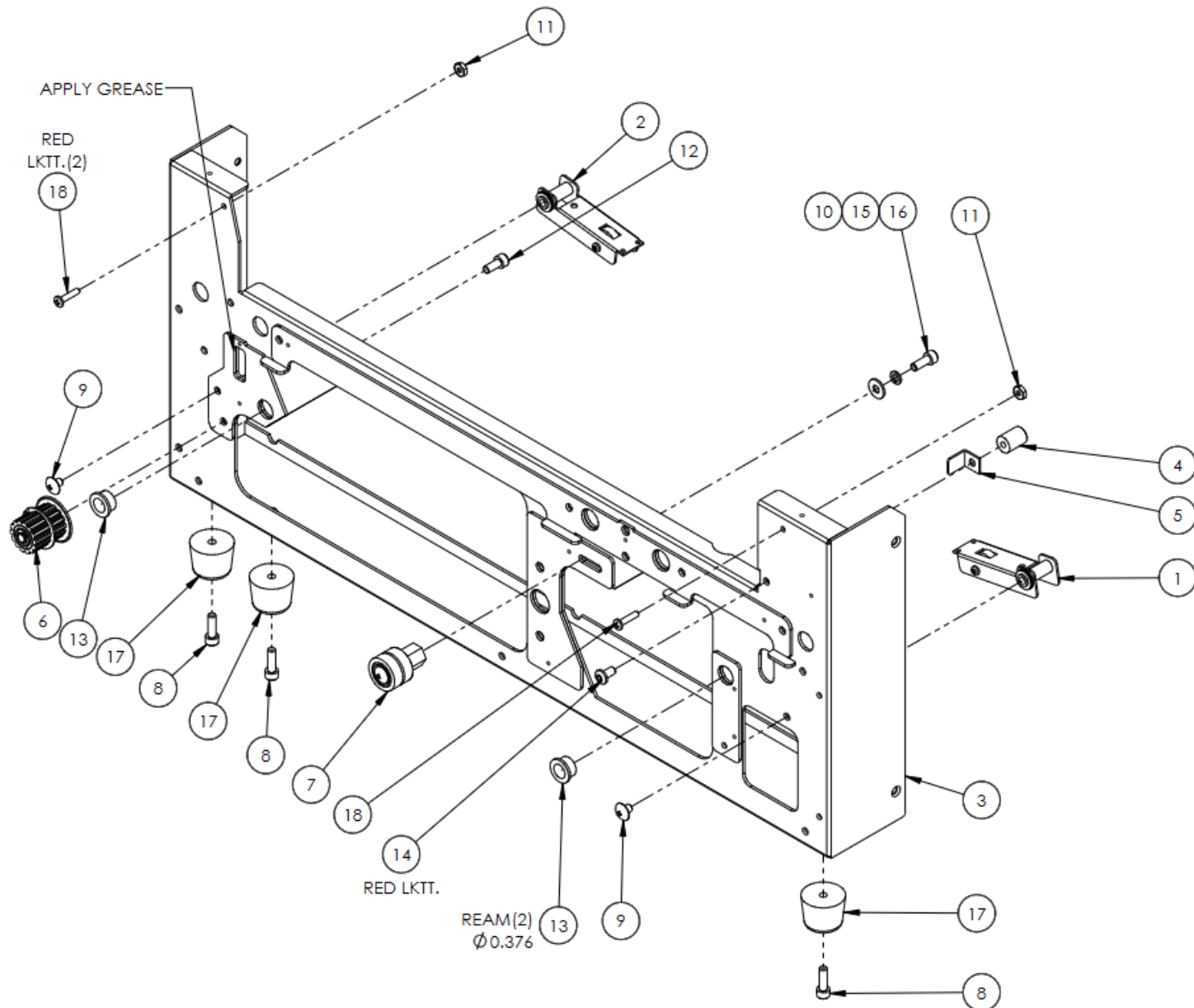
GROUP 9 REAR SIDE FRAME ASSEMBLY (53-110-03)



GROUP 9
REAR SIDE FRAME ASSEMBLY (53-110-03)

KEY	PART NO.	DESCRIPTION	QTY
1	45-104-18	SPRING ARM ASSY.	1
2	45-104-18	SPRING ARM ASSY.	1
3	53-110-04	REAR SIDE FRAME, SP2	1
4	53-111-17	BRIDGE GUIDE, BOTTOM	3
5	53-111-18	BRIDGE GUIDE, TOP	1
6	53-111-28	LOCK SPACER	1
7	53-112-15	PLATEN HOLDER ASSY	1
8	53-113-14	RISING SENSOR BRACKET ASSY.	1
9	123-0004	SCREW, 10-32 X 5/8 SOCKET HEAD SS	3
10	123-0017	SCREW, 10-32 X 1/4 TRUSS HEAD PHILLIPS SS	2
11	123-0191	WASHER, #6 PLAIN SS	2
12	123-0192	NUT, 6-32 HEX SS 2	
13	123-0252	WASHER, #6 STAR EXTERNAL	2
14	123-0612	SCREW, 6-32 X 1/4 PAN PHILLIPS HEAD, SS	2
15	123-0705	BUSHING, OILITE	2
16	123-0733	SCREW, 8-32 X 3/8 TRUSS HEAD SS 18-8	2
17	123-1210	SCREW, 10-32 X 3/8 BUTTON HEAD SOCKET CAP SS BLACK	4
18	123-2122	BUMPER, RECESSED 1-1/16" X 7/8", BLACK	3
19	123-2817	SCREW, 6-32 X 5/8" TRUSS HEAD SS	2
20	123-3072	WASHER STAR, #8 SCREW ZINC, EXTERNAL TOOTH	1

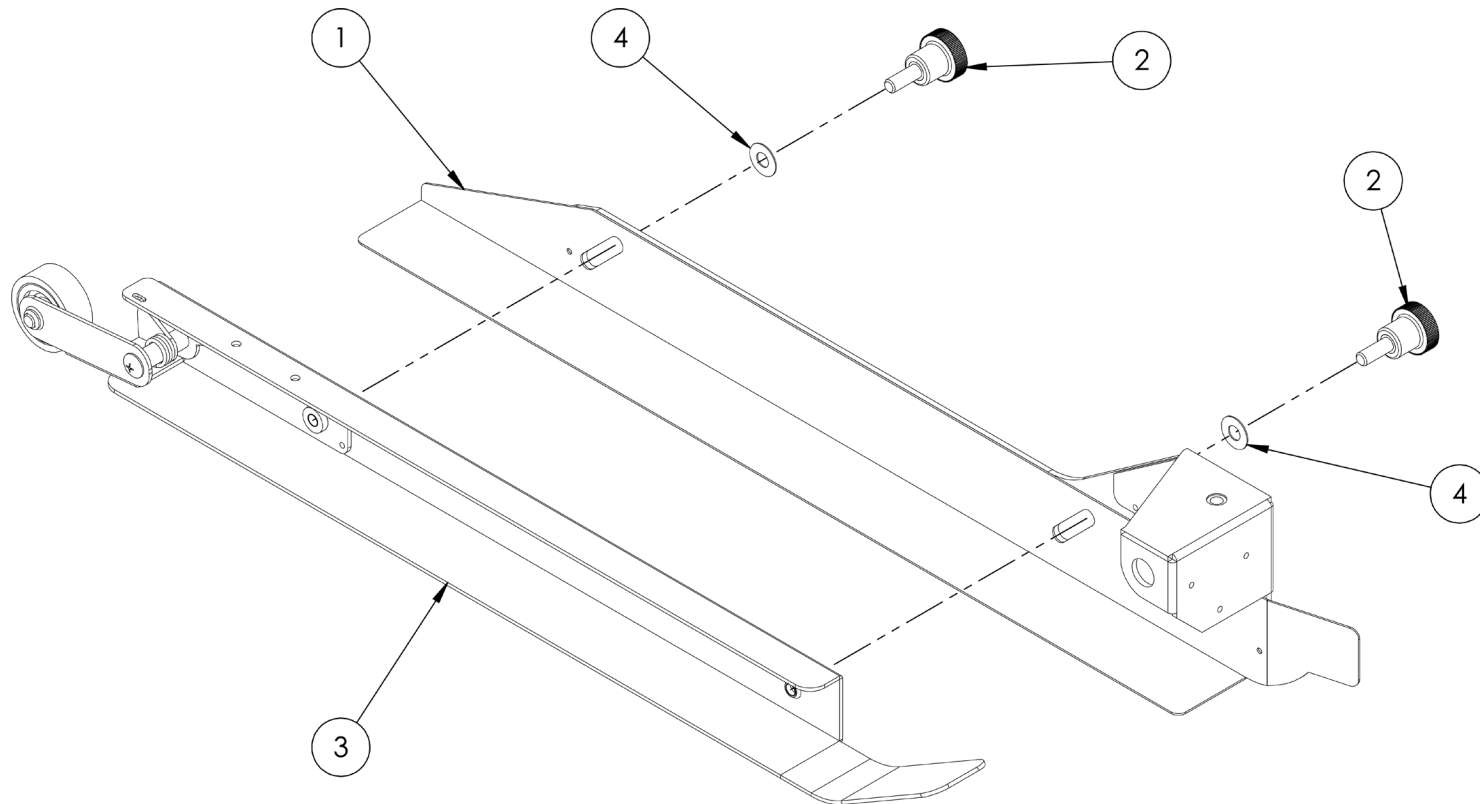
GROUP 10 **SIDE FRAME FRONT ASSEMBLY (53-110-06)**



GROUP 10
SIDE FRAME FRONT ASSEMBLY (53-110-06)

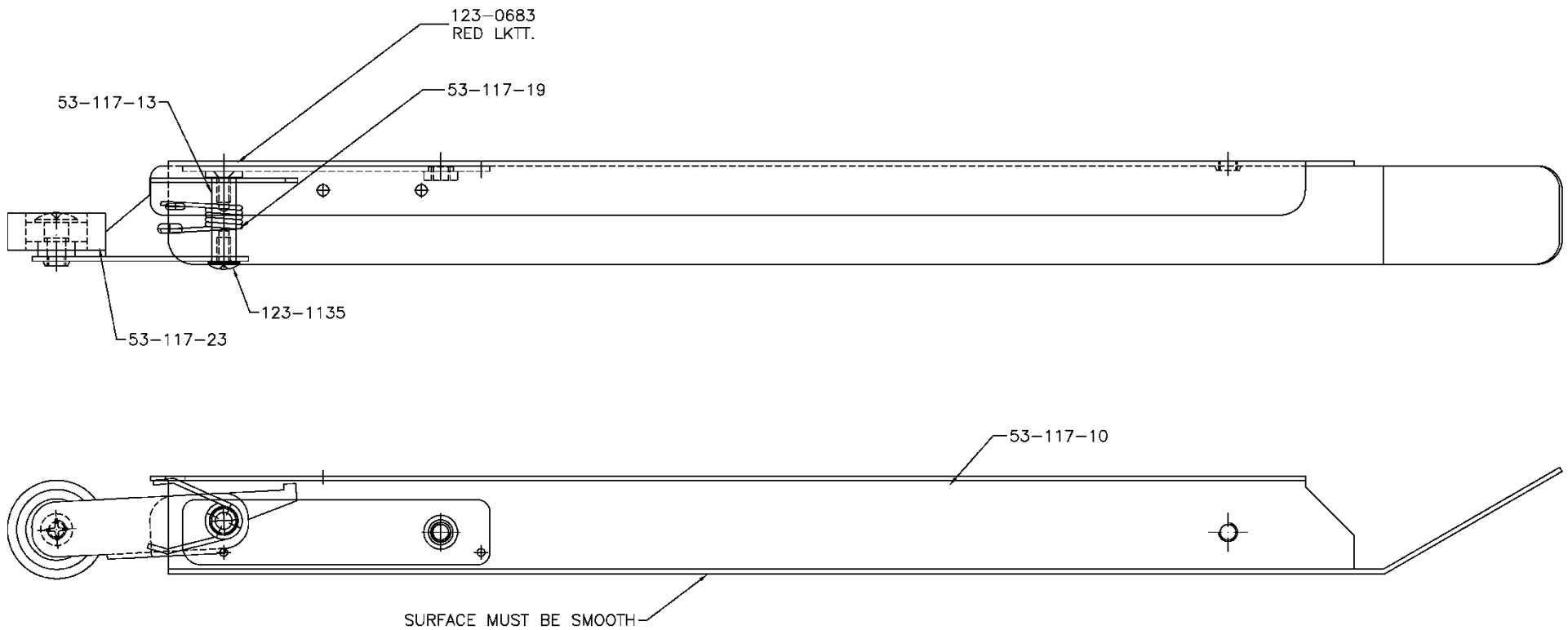
KEY	PART NO.	DESCRIPTION	QTY
1	45-104-18	SPRING ARM ASSY.	1
2	53-111-18	BRIDGE GUIDE, TOP	1
3	53-111-28A	LOCK SPACER	1
4	53-114-07	DOUBLE PULLEY 14XL ASSY.	1
5	53-114-23	TENSIONER STUD ASSY.	1
6	53-110-07	SIDE FRAME FRONT, WELDMENT	1
7	123-0004	SCREW, 10-32 X 5/8 SOCKET HEAD SS	3
8	123-0017	SCREW, 10-32 X 1/4 TRUSS HEAD PHILLIPS SS	2
9	123-0068	WASHER, #10 PLAIN SS 18-8	1
10	123-0192	NUT, 6-32 HEX SS	2
11	123-0486	SCREW, 10-32 X 7/16 SOCKET CAP SS	1
12	123-0705	BUSHING, OILITE	2
13	123-1210	SCREW, 10-32 X 3/8 BUTTON HEAD SOCKET CAP SS BLACK	1
14	123-1677	WASHER, LOCK TYPE 10 316 SS	1
15	123-1680	SCREW, 10-32 X 1/2, SOCKET HEAD CAP SS 18-8	1
16	123-2122	BUMPER, RECESSED 1-1/16" X 7/8", BLACK	3
17	123-2817	SCREW, 6-32 X 5/8" TRUSS HEAD SS	2

GROUP 11
ADJUSTABLE RH MEDIA GUIDE ASSEMBLY (53-117-04)



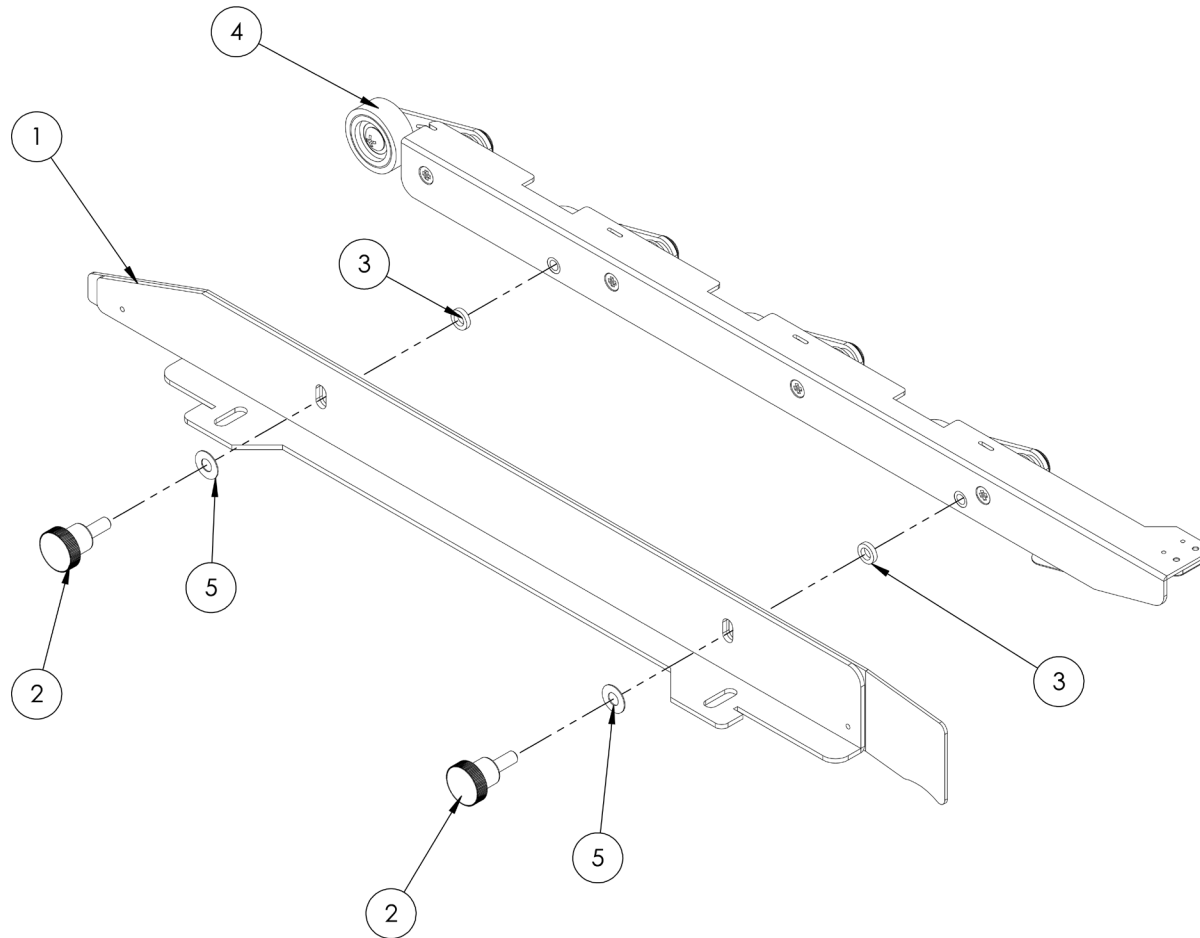
KEY	PART NO.	DESCRIPTION	QTY
1	53-117-05	MEDIA GUIDE WELDMENT RH	1
2	24-101-11	THUMB SCREW 10-32	2
3	53-117-09	TOP MEDIA GUIDE RH. ASSY.	1
4	123-0148	WASHER, 7/16OD X 0.200ID X 1/32	2

GROUP 12
TOP MEDIA GUIDE RH ASSEMBLY (53-117-09)



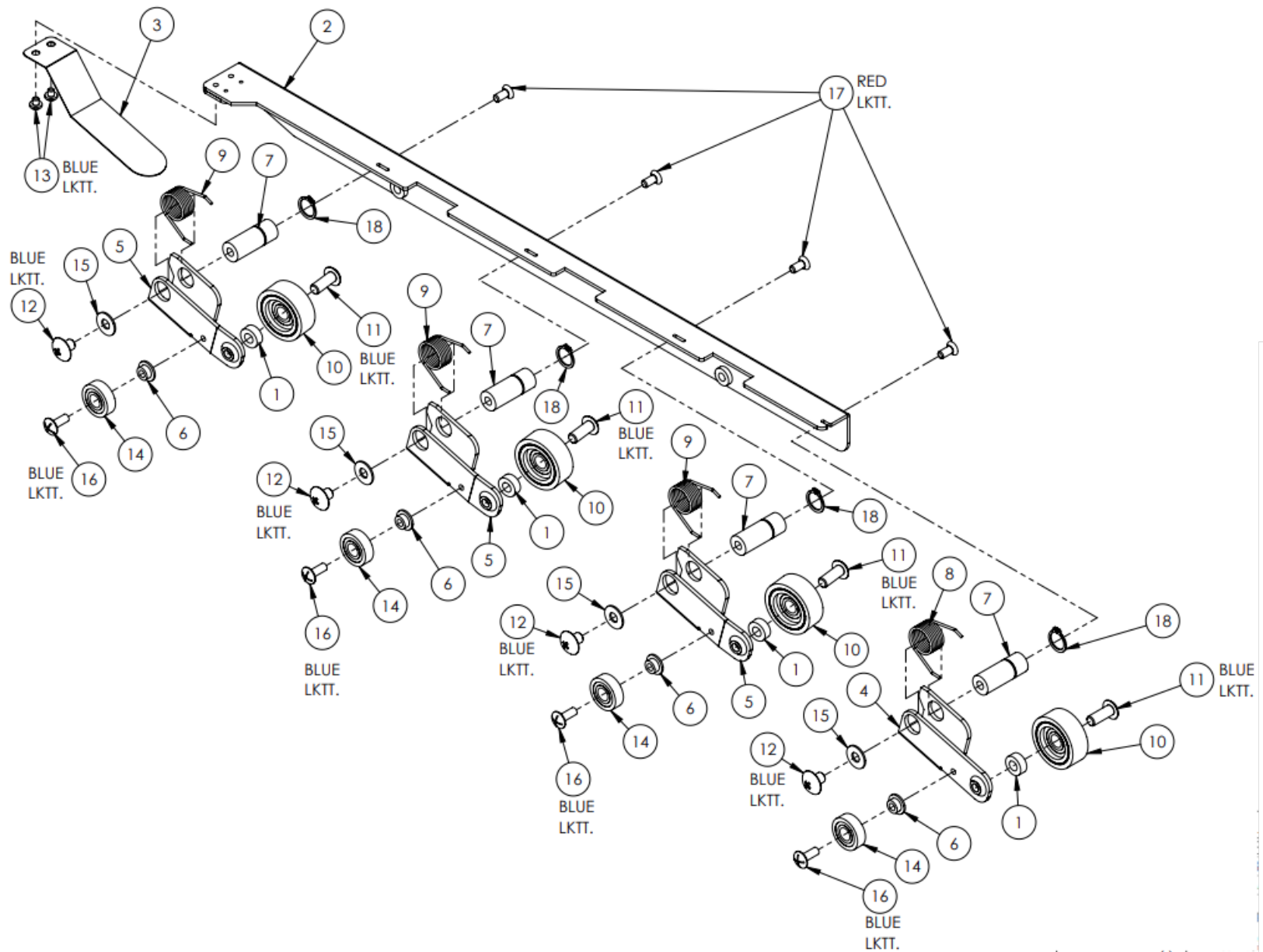
PART NO.	DESCRIPTION	QTY
123-0683	SCREW, 6-32 x 5/16 FLAT HEAD UNDERCUT PHILLIPS SS	1
123-1135	SCREW, 6-32 x 1/4 TRUSS.HD.PH. SS	1
53-117-10	TOP MEDIA GUIDE RH. WELDMENT	1
53-117-13	GUIDE EXIST WHEEL PIVOT	1
53-117-19	SPRING, MEDIA GUIDE RH.	1
53-117-23	REG. DEVICE ARM LH. ASSY.	1

GROUP 13
FIXED LH MEDIA GUIDE ASSEMBLY (53-117-40)



KEY	PART NO.	DESCRIPTION	QTY
1	53-117-41	MEDIA GUIDE WELDMENT LH	1
2	24-101-11	THUMB SCREW 10-32	2
3	48-101-30	BEARING SPACER SMALL	2
4	53-117-45	REGISTRATION GUIDE ASSY., LH	1
5	123-0148	WASHER, 7/16OD x 0.200ID x 1/32	2

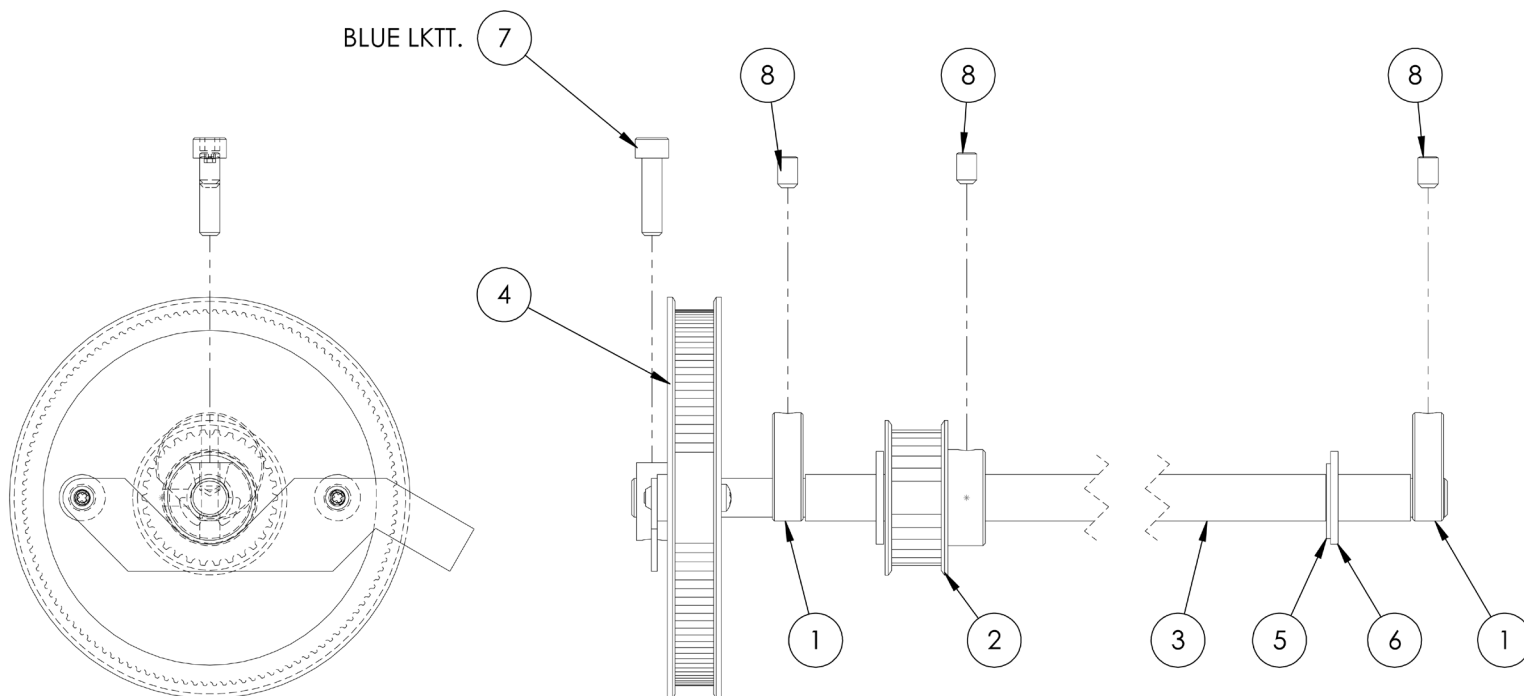
GROUP 14
REGISTRATION GUIDE ASSEMBLY, LH (53-117-45)



GROUP 14
REGISTRATION GUIDE ASSEMBLY, LH (53-117-45)

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	25-133-20	STUD	4
2	53-117-46	REGISTRATION GUIDE WELDMENT, LH	1
3	53-117-49	PAPER RETAINER	1
4	54-107-45B	REG. DEVICE ARM FRONT	1
5	54-107-45F	REG. DEVICE ARM FRONT	3
6	54-107-46	SPACER, REG. DEVICE	4
7	54-107-47	PIVOT, REG. DEVICE	4
8	54-107-48	SPRING, RH TORSION, 0.46ID, 180%%D	1
9	54-107-68	SPRING, RH TORSION, 0.46ID, 90%%D	3
10	97-115-02	WHEEL ASSY.	4
11	123-0008	SCREW, 10-32 x 1/2 BUTTON HEAD PHILLIPS SS	4
12	123-0017	SCREW, 10-32 x 1/4 TRUSS HEAD PHILLIPS SS	4
13	123-0021	SCREW, 4-40 x 1/8 BUTTON HEAD PHILLIPS SS	2
14	123-0035	BEARING, BALL	4
15	123-0114	WASHER, 3/16 x 7/16 x 1/32 PLASTIC	4
16	123-0274	SCREW, 6-32 x 3/8 PHILLIPS TRUSS HEAD SS	4
17	123-0683	SCREW, 6-32 x 5/16 FLAT HEAD UNDERCUT PHILLIPS SS	4
18	123-2250	RETAINING RING FOR 3/8" SHAFT DIAMETER	4

GROUP 15
ECCENTRIC DRIVE SHAFT ASSEMBLY (53-113-04)

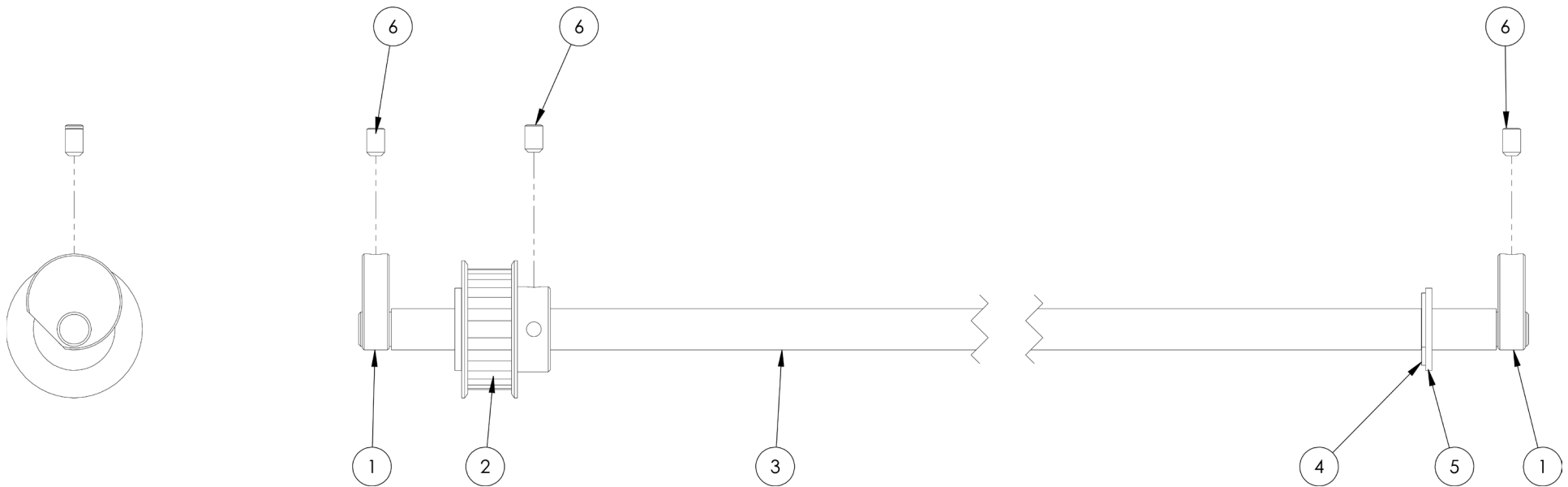


NOTES

1. DO NOT PREASSEMBLE.

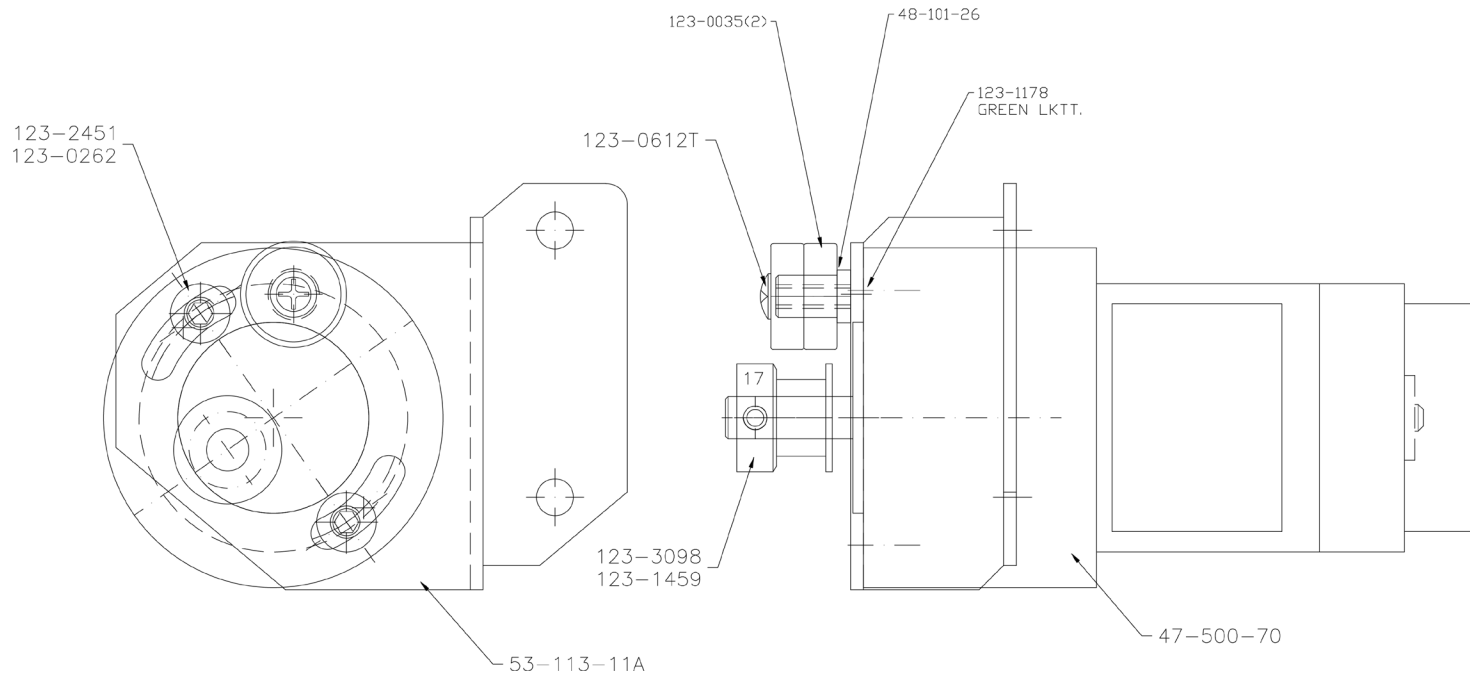
KEY	PART NO.	DESCRIPTION	QTY
1	45-104-14	ECCENTRIC CAM	2
2	53-108-45	ECCENTRIC SHAFT 30T PULLEY	1
3	53-113-05	DRIVE ECCENTRIC CAM SHAFT	1
4	53-113-21	ECCENTRIC SHAFT DRIVE PULLEY ASSY.	1
5	123-0006	TRUARC, #5133-37, 3/8"	1
6	123-0096	WASHER, NYLON 6/6 123-0096	2
7	123-0229	SCREW, 8-3/2 X 5/8 SOCKET CAP SS 18-8	1
8	123-0322	SCREW, 8-32 X 1/4 SET	3

GROUP 16
ECCENTRIC DRIVEN SHAFT ASSEMBLY (53-113-07)



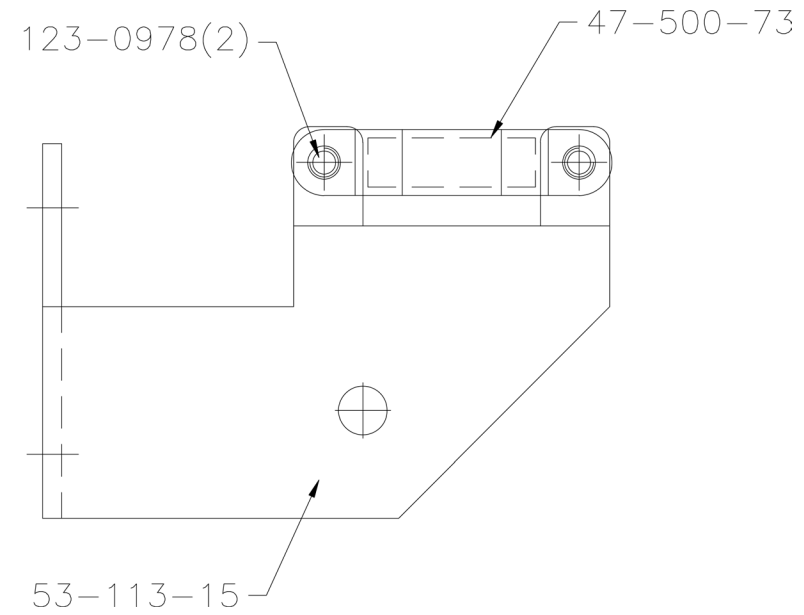
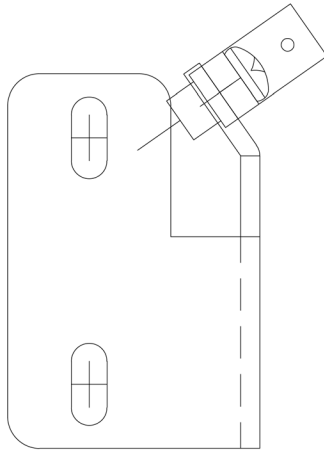
KEY	PART NO.	DESCRIPTION	QTY
1	45-104-14	ECCENTRIC CAM	2
2	53-108-45	ECCENTRIC SHAFT 30T PULLEY	1
3	53-113-06	ECCENTRIC CAM SHAFT	1
4	123-0006	TRUARC, #5133-37, 3/8"	1
5	123-0096	WASHER, NYLON 6/6 123-0096	2
6	123-0322	SCREW, 8-32 X 1/4 SET	3

GROUP 17
RISING MOTOR ASSEMBLY (53-113-10)



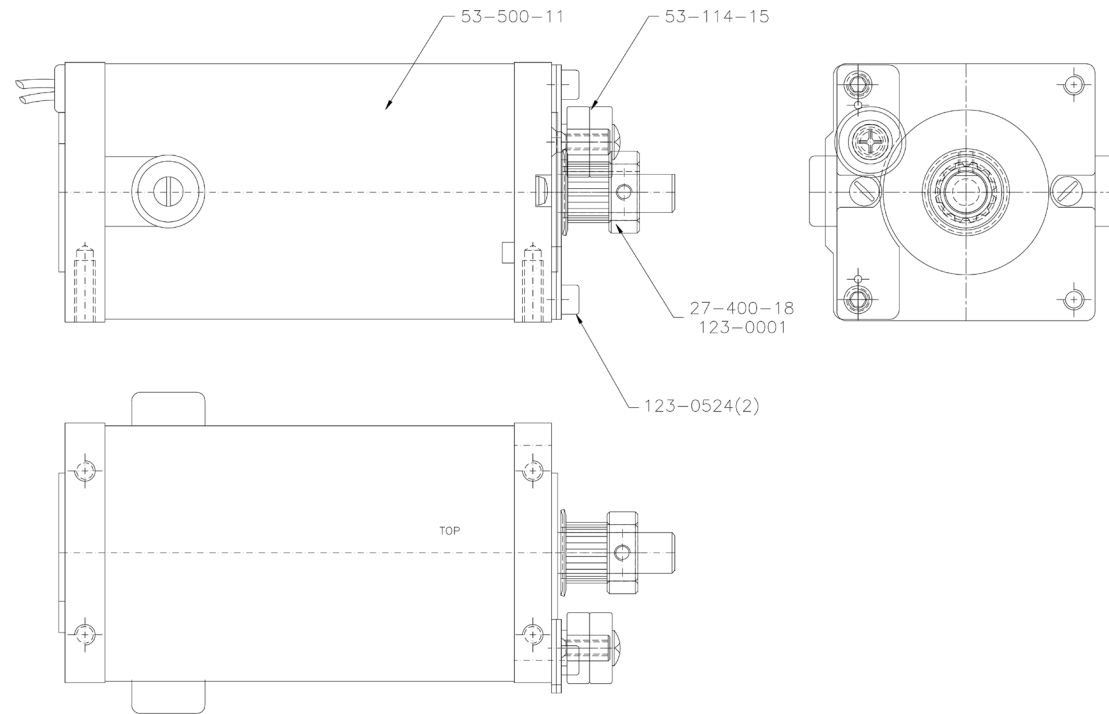
PART NO.	DESCRIPTION	QTY
123-0035	BEARING, BALL	2
123-0262	WASHER, #10 (0.193 x 3/8 x .032) 18-8 SS	1
123-0612T	ALLOY STEEL BUTTON HEAD TROX SCREWS ZINC-PLATED 6-32x1/4	1
123-1178	SCREW, 6-32 x 1/4 FLAT HEAD UNDERCUT PHILLIPS SS	1
123-1459	SCREW, 6-40 x 1/4 SET SCREW, CUP POINT	1
123-2451	SCREW, SOCKET HEAD BUTTON 10-32 x 5/16", 18-8	1
123-3098	TIMING PULLEY FOR .236 (6MM) WIDE BELT	1
47-500-70	MEDIA THICKNESS MOTOR ASSY.	1
48-101-26	MOTOR TENSIONER STUD	1
53-113-11A	RISING MOTOR BRACKET	1

GROUP 18
RISING SENSOR BRACKET ASSEMBLY (53-113-14)



PART NO.	DESCRIPTION	QTY
123-0978	SCREW, 4-40 x 3/16 PHILLIPS PAN HEAD SS	2
47-500-73	MPCA-MEDIA THICKNESS SENSOR	1
53-113-15	RISING SENSOR BRACKET	1

GROUP 19
MOTOR RAE (M4000) ASSEMBLY (53-114-27)

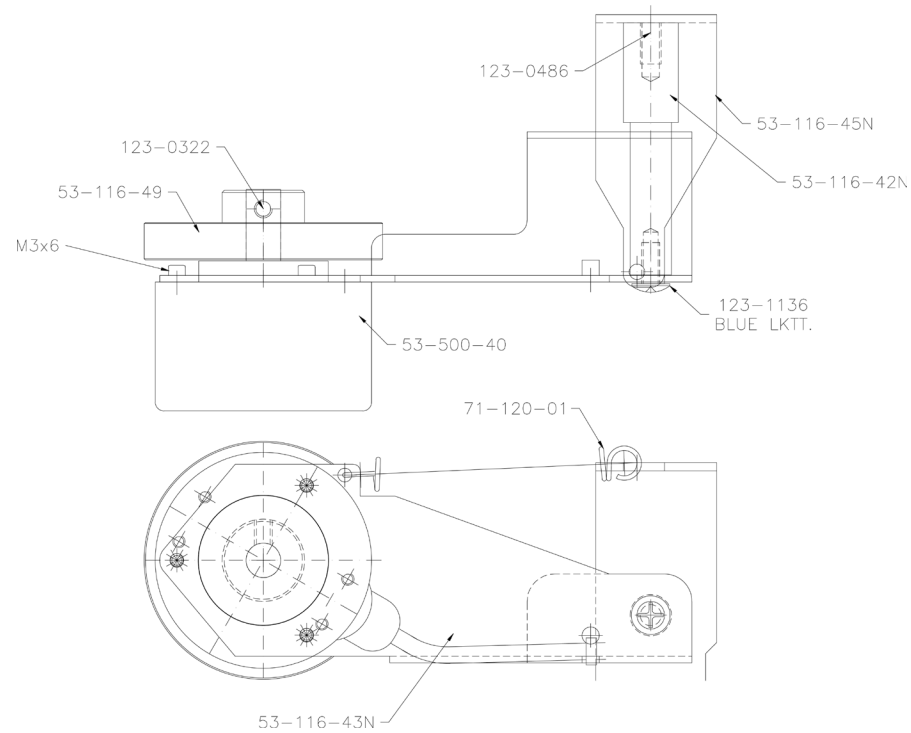


90 V DC
1039 RPM
0.86 AMPS.
68 IN.-OZ.
INSUL. F

NOTE:
RAE P/N P22026

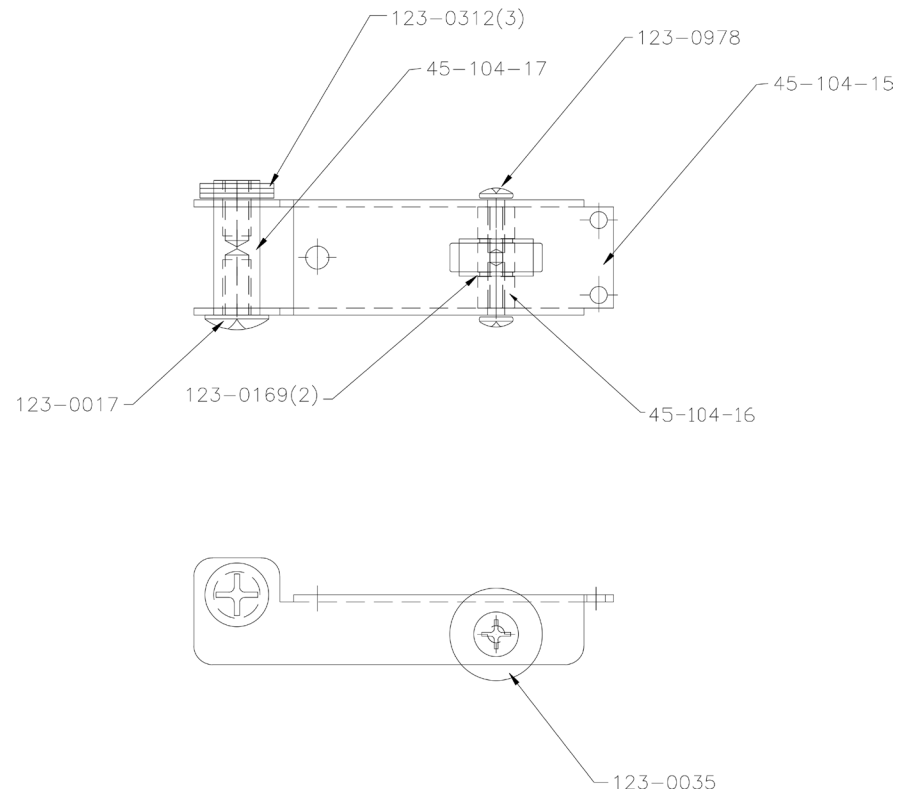
PART NO.	DESCRIPTION	QTY
123-0001	SCREW, 10-32 x 1/4 SET CUP POINT SOCKET	1
123-0524	SCREW, 1/4-20 x 1/2 SOCKET HEAD CAP SS	2
27-400-18	MOTOR PULLEY 12XL GROOVES, SUBASSY.	1
53-114-15	MOTOR TENSIONER BRACKET ASSY.	1
53-500-11	TRANSPORT MOTOR ASSY	1

GROUP 20 ENCODER ASSEMBLY (53-116-40N)



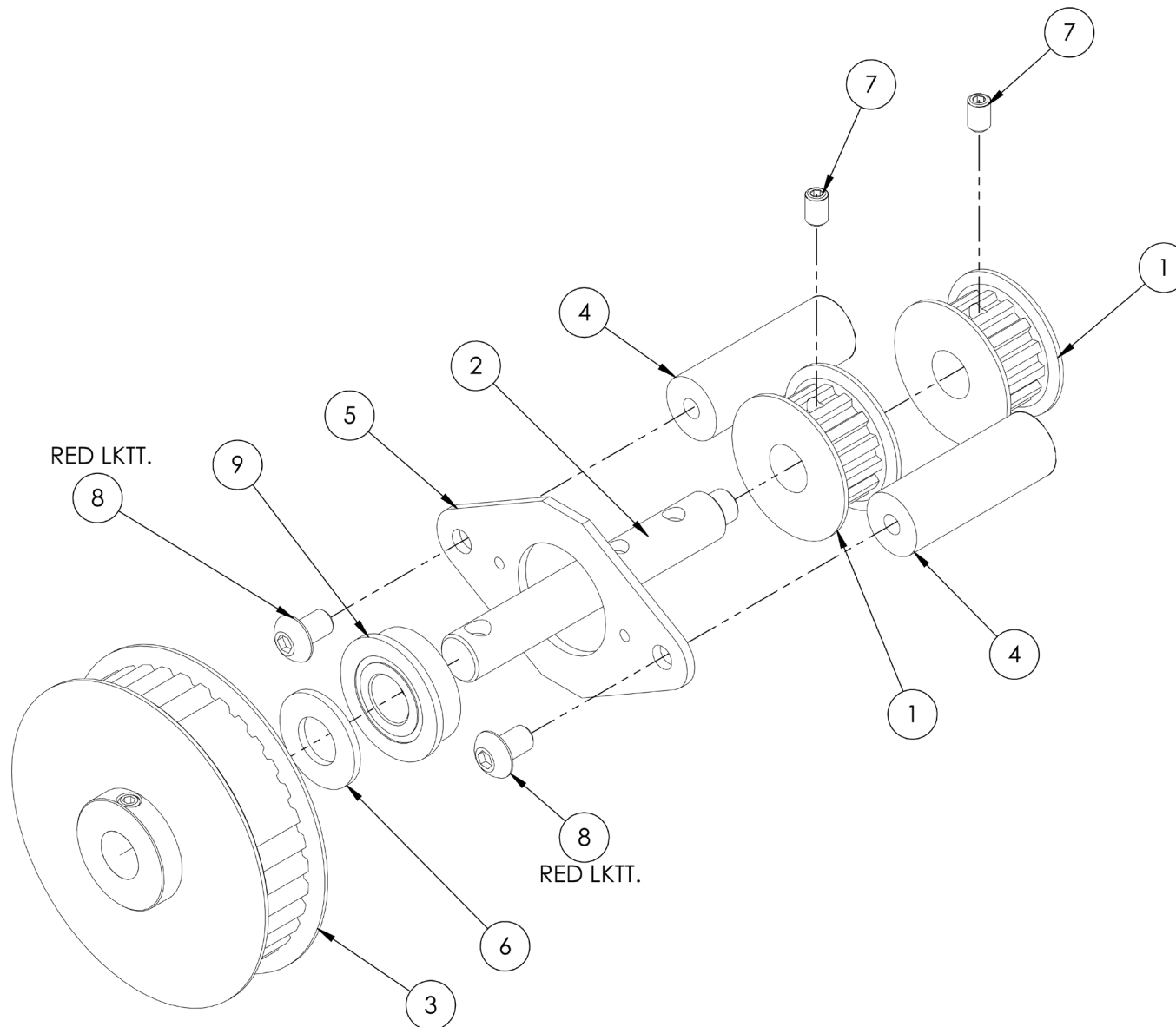
PART NO.	DESCRIPTION	QTY
123-0322	SCREW, 8-32 x 1/4 SET	1
123-0486	SCREW, 10-32 x 7/16 SOCKET CAP SS	1
123-1136	SCREW, 8-32 x 1/4 TRUSS HEAD PHILLIPS SS	1
53-116-42N	ENCODER BRACKET PIVOT	1
53-116-43N	ENCODER BRACKET	1
53-116-45N	ENCODER SPRING HOLDER	1
53-116-49	ENCODER WHEEL	1
53-500-40	PRINT ZONE ENCODER	1
71-120-01	MAIN SPRING	1
M3	SCREW, M3 x 6mm, TORX W/ SPRING WASHER	6

GROUP 21
SPRING ARM ASSEMBLY (45-104-18)



PART NO.	DESCRIPTION	QTY
123-0017	SCREW, 10-32 x 1/4 TRUSS HEAD PHILLIPS SS	1
123-0035	BEARING, BALL	1
123-0169	C-CLIP, 1/4" (CRESCENT)	2
123-0312	WASHER, 5/16 x 1/2 x 0.030 PLASTIC	3
123-0978	SCREW, 4-40 x 3/16 PHILLIPS PAN HEAD SS	1
45-104-15	SPRING ARM	1
45-104-16	SPRING ARM STUD	1
45-104-17	SPRING ARM PIVOT	1

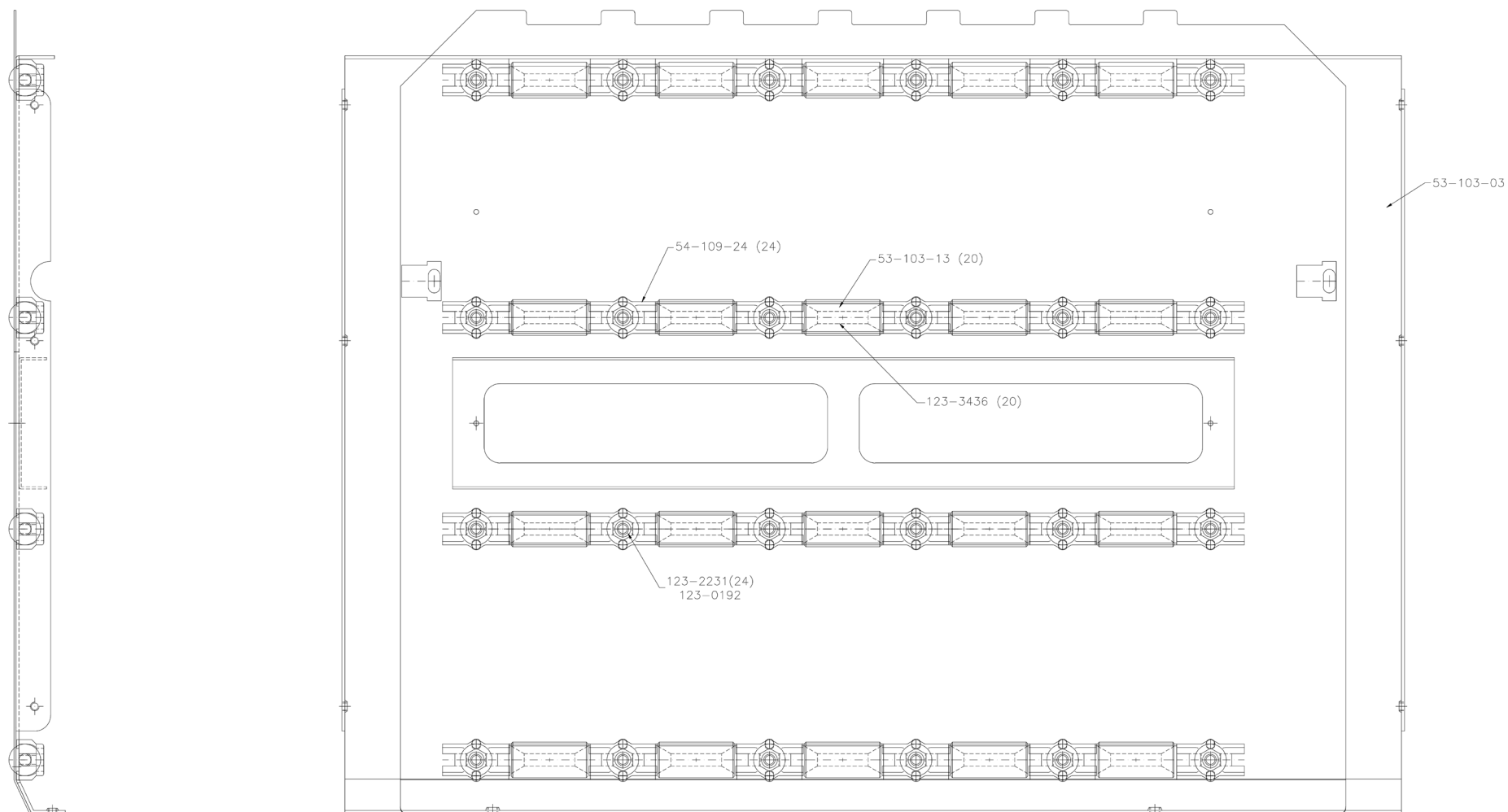
GROUP 22
DISTRIBUTOR SHAFT ASSEMBLY (53-114-02)



GROUP 22
DISTRIBUTOR SHAFT ASSEMBLY (53-114-02)

KEY	PART NO.	DESCRIPTION	QTY
1	21-111-04	PULLEY, 14XL GROOVES	2
2	53-114-03	DISTRIBUTOR SHAFT	1
3	53-114-06	DISTRIBUTOR 36T PULLEY	1
4	53-114-13	DISTRIBUTOR SHAFT STAND OFF	2
5	53-114-14	DISTRIBUTOR SHAFT BRACKET	1
6	123-0096	WASHER, NYLON 6/6 123-0096	1
7	123-0322	SCREW, 8-32 X 1/4 SET	2
8	123-2451	SCREW, SOCKET HEAD BUTTON 10-32 X 5/16", 18-8	2
9	123-2813	BEARING, BALL FLANGED - DOUBLE SHIELD	1

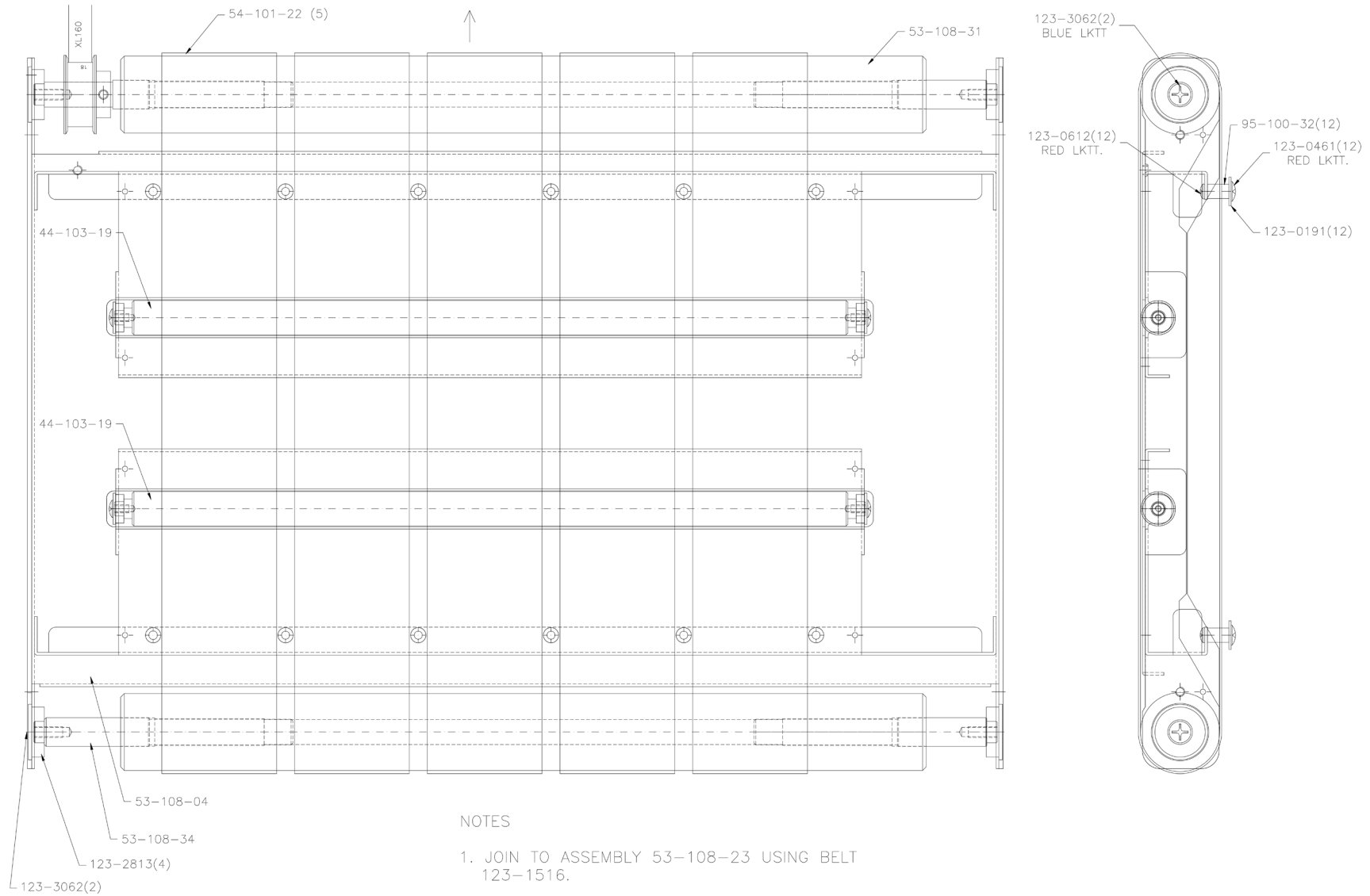
GROUP 23 **HEAD MEDIA GUIDE ASSEMBLY (53-103-02)**



GROUP 23
HEAD MEDIA GUIDE ASSEMBLY (53-103-02)

PART NO.	DESCRIPTION	QTY
123-0192	NUT, 6-32 HEX SS	1
123-2231	SCREW, 6-32 x 1/2" PHILLIPS FLAT SS	24
123-3436	SPRING	20
53-103-03	HEAD MEDIA GUIDE WELDMENT	1
53-103-13	REGISTRATION GUIDE STUD	20
54-109-24	SPRING HOLDER	24

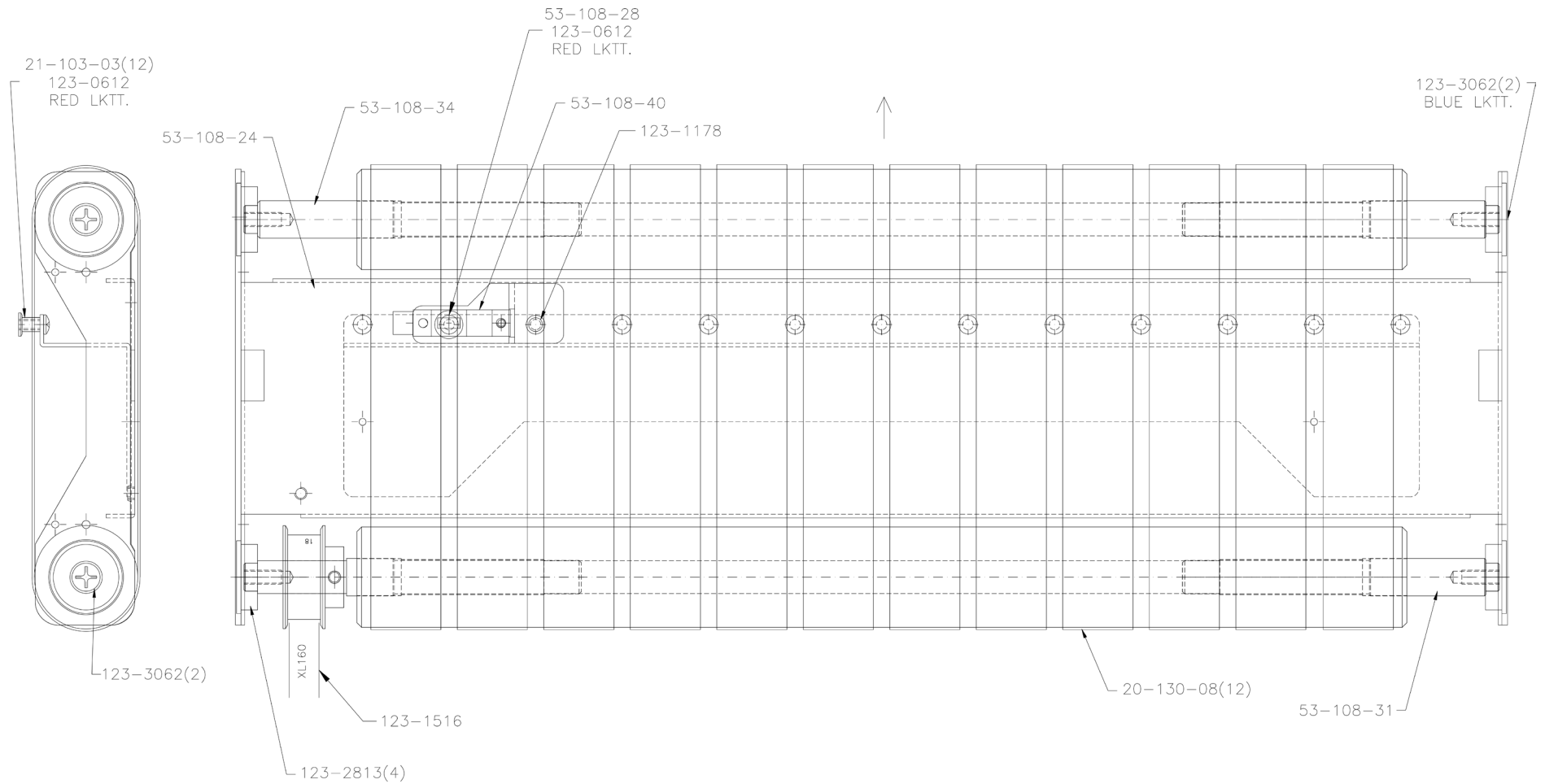
GROUP 24 CONVEYOR BODY ASSEMBLY (53-108-03)



GROUP 24
CONVEYOR BODY ASSEMBLY (53-108-03)

PART NO.	DESCRIPTION	QTY
123-0191	WASHER, #6 PLAIN SS	12
123-0461	SCREW, 6-32 x 3/16 ROUND HEAD PHILLIPS SS	12
123-0612	SCREW, 6-32 x 1/4 PAN PHILLIPS HEAD, SS	12
123-2813	BEARING, BALL FLANGED – DOUBLE SHIELD	4
123-3062	SCREW, PHILLIPS FLAT HEAD, 12-24 x 3/8" SS	2
123-3062	SCREW, PHILLIPS FLAT HEAD, 12-24 x 3/8" SS	2
44-103-19	CONVEYOR INTERMEDIATE ROLLER ASSY.	1
44-103-19	CONVEYOR INTERMEDIATE ROLLER ASSY.	1
53-108-04	CONVEYOR BODY WELDMENT	1
53-108-31	CONVEYOR DRIVER ROLLER ASSY	1
53-108-34	CONVEYOR ROLLER SUBASSY.	1
54-101-22	TRANSPORT VACUUM BELT	5
95-100-32	PC BOARD SUPPORT	12

GROUP 25 CONVEYOR BODY ASSEMBLY (53-108-23)



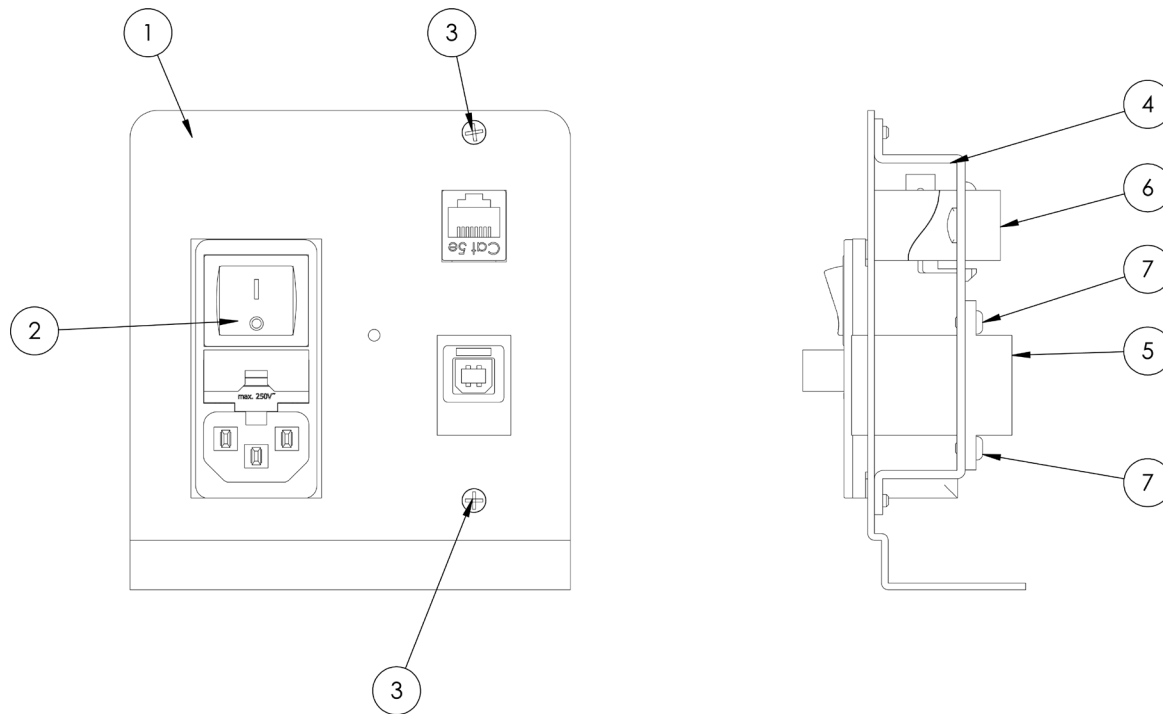
NOTES

1. JOIN TO ASSEMBLY 53-108-03 USING BELT 123-1516.

GROUP 25
CONVEYOR BODY ASSEMBLY (53-108-23)

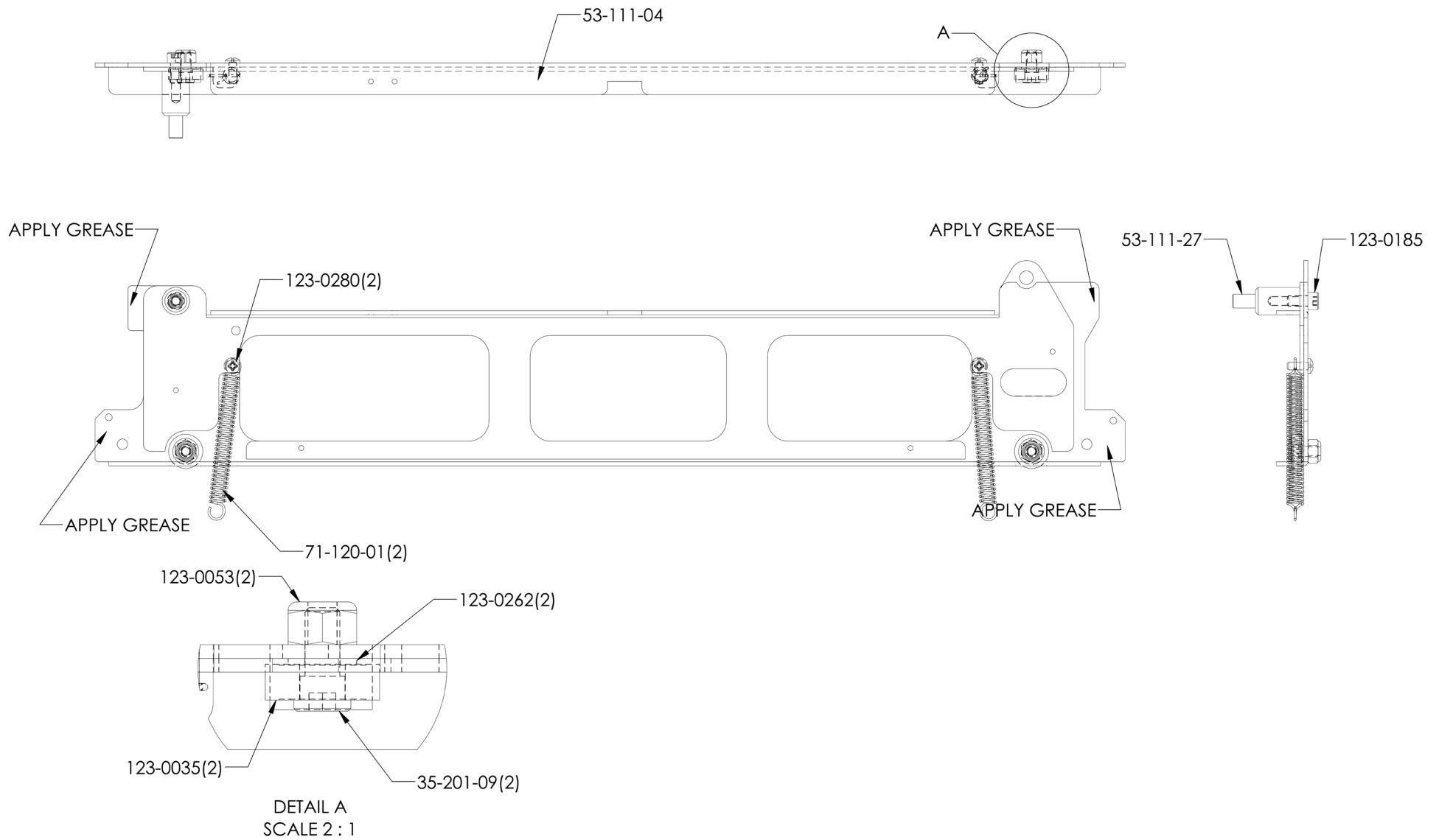
PART NO.	DESCRIPTION	QTY
123-0612	SCREW, 6-32 x 1/4 PAN PHILLIPS HEAD, SS	1
123-0612	SCREW, 6-32 x 1/4 PAN PHILLIPS HEAD, SS	1
123-1178	SCREW, 6-32 x 1/4 FLAT HEAD UNDERCUT PHILLIPS SS	1
123-1516	BELT, TIMING 160XL043	1
123-2813	BEARING, BALL FLANGED – DOUBLE SHIELD	4
123-3062	SCREW, PHILLIPS FLAT HEAD, 12-24 x 3/8" SS	2
123-3062	SCREW, PHILLIPS FLAT HEAD, 12-24 x 3/8" SS	2
20-130-08	CONVEYOR ENDLESS BELT	12
21-103-03	BELT GUIDE PIN	12
53-108-23	CONVEYOR BODY ASSY.	1
53-108-24	CONVEYOR BODY WELDMENT	1
53-108-28	BELT GUIDE PIN, Ø5/16"	1
53-108-31	CONVEYOR DRIVER ROLLER ASSY	1
53-108-34	CONVEYOR ROLLER SUBASSY.	1
53-108-40	EXIT MEDIA SENSOR ASSY.	1

GROUP 26
INLETS HOLDER ASSEMBLY (53-109-12)



KEY	PART NO.	DESCRIPTION	QTY
1	53-109-13	INLETS HOLDER	1
2	47-500-15	POWER INLET	1
3	123-1158	SCREW, 4-40 X 3/16 FLAT HEAD UNDERCUT PHILLIPS SS	2
4	42-104-08	COUPLER HOLDER	1
5	123-2386	COUPLER, USB A/B UNSHIELDED - BLACK	1
6	123-2387	COUPLER, CAT 5 KEESTONE FEED-THRU	1
7	123-0978T	ALLOY STEEL BUTTON HEAD TROX SCREWS ZINC-PLATED 4-40X3/16	2

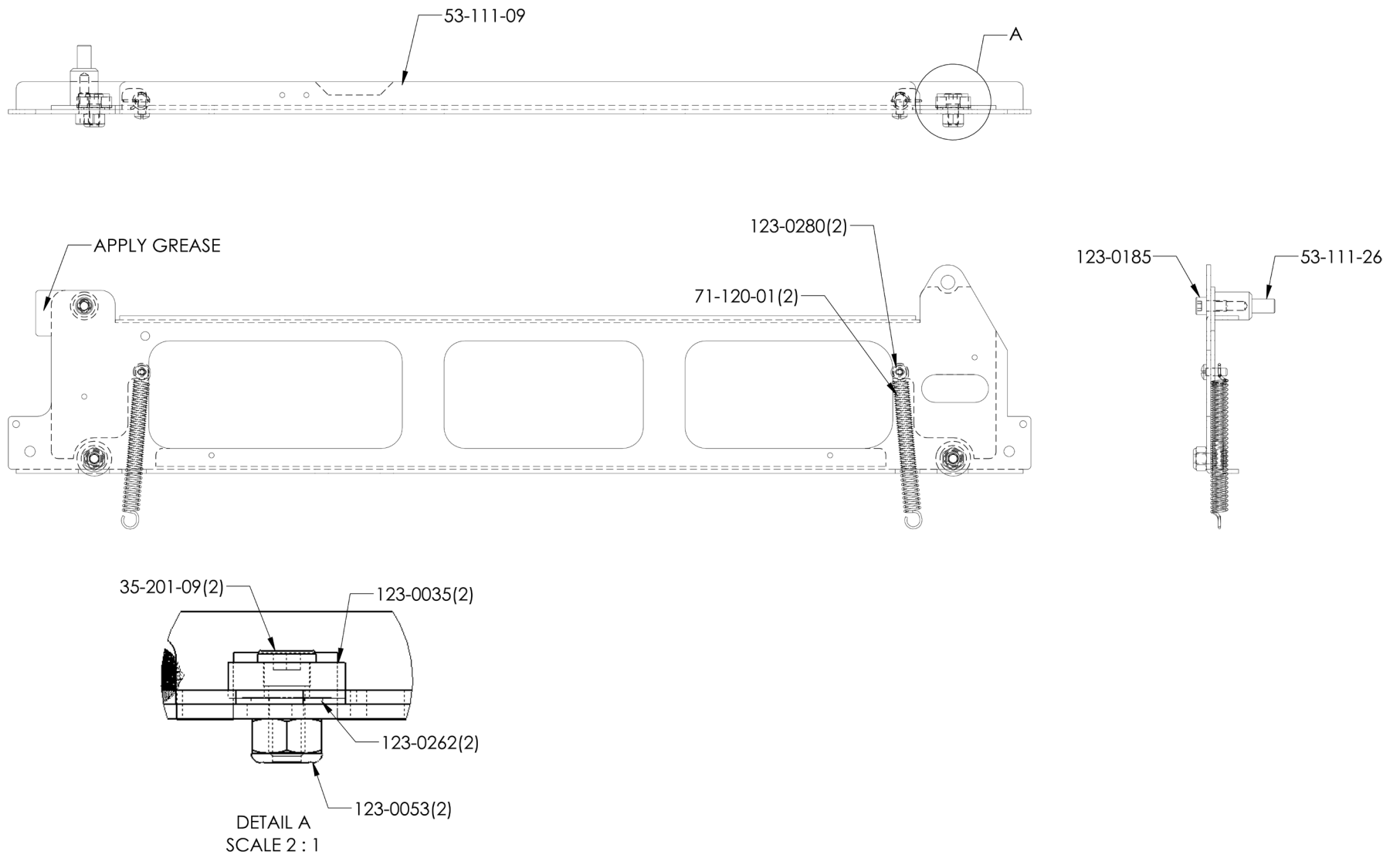
GROUP 27 **REAR FRAME BRIDGE ASSEMBLY (53-111-03)**



GROUP 27
REAR FRAME BRIDGE ASSEMBLY (53-111-03)

PART NO.	DESCRIPTION	QTY
123-0035	BEARING, BALL	2
123-0053	NUT, 10-32 SELF LOCKING SS	2
123-0185	SCREW, 10-32 x 3/8 SOCKET HEAD CAP SS	1
123-0262	WASHER, #10 (0.193 x 3/8 x .032) 18-8 SS	2
123-0280	ALLOY STEEL BUTTON HEAD TROX SCREWS CINC PLATED 6-32x3/8	2
35-201-09	SCREW	2
53-111-04	REAR FRAME BRIDGE WELDMENT	1
53-111-27	HEAD HOLDER FRONT R/H	1
71-120-01	MAIN SPRING	2

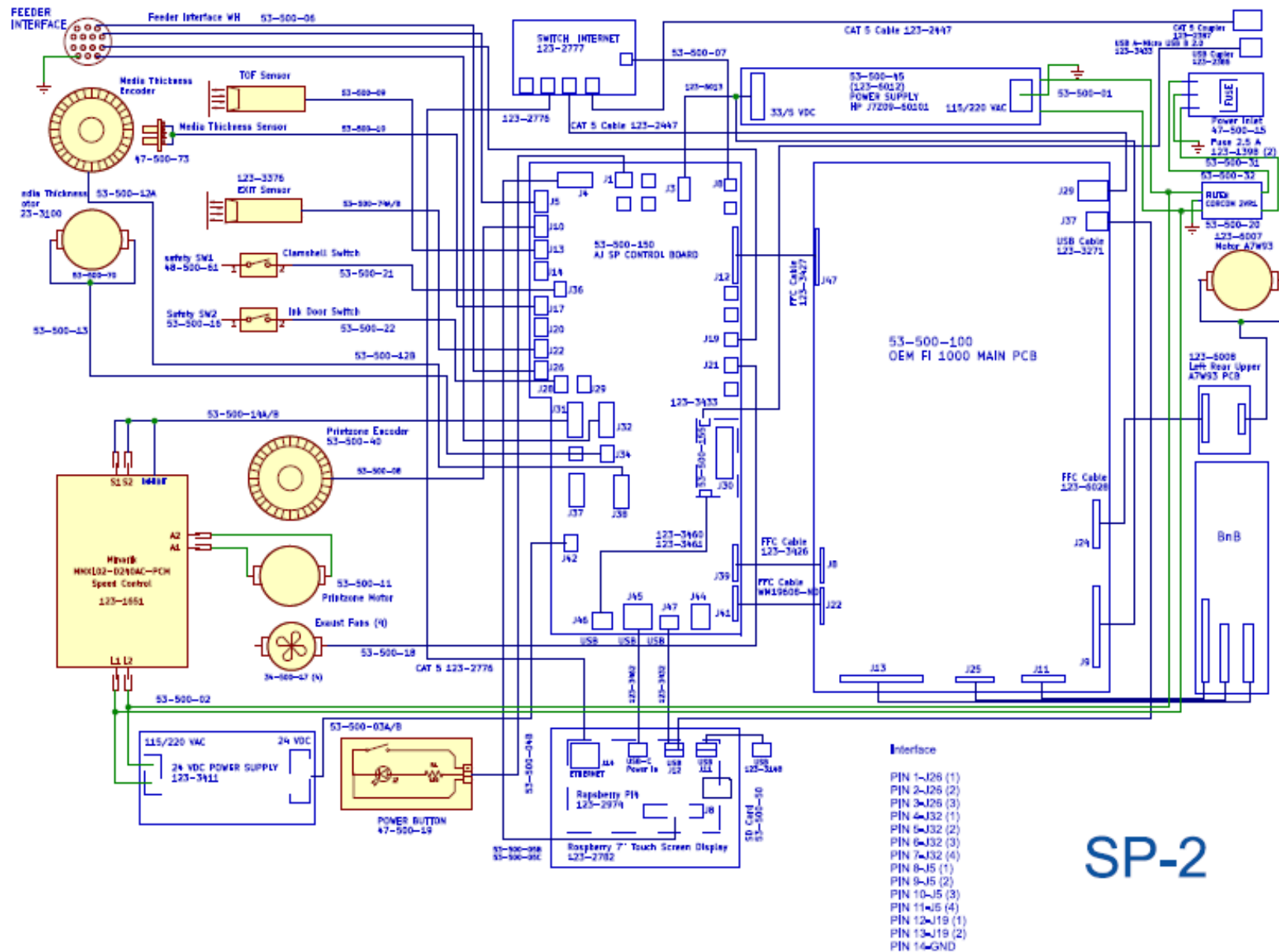
GROUP 28 **FRONT FRAME BRIDGE ASSEMBLY (53-111-08)**



GROUP 28
FRONT FRAME BRIDGE ASSEMBLY (53-111-08)

PART NO.	DESCRIPTION	QTY
123-0035	BEARING, BALL	2
123-0053	NUT, 10-32 SELF LOCKING SS	2
123-0185	SCREW, 10-32 x 3/8 SOCKET HEAD CAP SS	1
123-0262	WASHER, #10 (0.193 x 3/8 x .032) 18-8 SS	2
123-0280	ALLOY STEEL BUTTON HEAD TROX SCREWS ZINC-PLATED 6-32x3/8	2
35-201-09	SCREW	2
53-111-09	FRONT FRAME BRIDGE WELDMENT	1
53-111-26	HEAD HOLDER FRONT L/H	1
71-120-01	MAIN SPRING	2

GROUP 29 ELECTRICAL SCHEMATIC



GROUP 29 ELECTRICAL SCHEMATIC

PART NO.	DESCRIPTION	QTY
123-1398	FUSE 2.5 A	2
123-1651	SPEED CONTROL	1
123-2386	USB COUPLER	1
123-2387	CAT 5 COUPLER	1
123-2447	CAT 5 CABLE	1
123-2458	USB CABLE 3"	1
123-2776	CAT 5 CABLE	1
123-2777	NETWORK SWITCH	1
123-2782	RASPBERRY 7" TOUCH SCREEN DISPLAY	1
123-2974	RASPBERRY Pi4	1
123-3148	USB CABLE 1.5 FT	1
123-3411	POWER SUPPLY 24 VDC	1
123-3426	FFC CABLE 18 POS IMM 4"	1
123-3427	FFC CABLE 26 POS 1MM 4"	1
123-3432	USB CABLE	1
123-3433	SUB-A MICRO USB B 2.0 CABLE	1
123-3460	MICRO USB-2 TO USB-C ADAPTER	
123-3461	MICRO USB TO USB-C CABLE, 1 FOOT	
123-3462	CABLE, USN-A TO USB-C 90 DEG, 1MM LG	1
123-6007	MOTOR	1
123-6008	123-6008	1
123-6012	POWER SUPPLY HP J7Z09-6101 115/220 VAC 33/5 VDC	1
123-6013	WIRE HARNESS HP POWER CABLE 33/5 VDC	1

PART NO.	DESCRIPTION	QTY
53-500-01	WH, FILTER-POWER SUPPLY 34 VDC (HP)	1
53-500-02		
53-500-03 A/B	WIRE HARNESS 24 VDC POWER CABLE EXTENSION	1
53-500-04B	WIRE HARNESS POWER EXT.	
53-500-05B/C		
53-500-06	WIRE HARNESS FEEDER INTERFACE	1
53-500-07	WIRE HARNESS 5 VDC POWER TO DATA SWITCH (J8)	1
53-500-08	WIRE HARNESS PRINT ZONE ENCODER EXTENSION (J10)	1
53-500-09	WH, TOF SENSOR	1
53-500-10	WIRE HARNESS MEDIA THICKNESS SENSOR EXTENSION, ASSEMBLY (J17)	1
53-500-11	WIRE HARNESS TRANSPORT MOTOR	1
53-500-12A	WIRE HARNESS MEDIA THICKNESS ENCODER EXTENSION	1
53-500-12B	WIRE HARNESS MEDIA THICKNESS ENCODER EXTENSION (J38)	1
53-500-13	WIRE HARNESS MEDIA THICKNESS MOTOR EXTENSION (J34)	1
53-500-14A/B	WIRE HARNESS PRINT ZONE MOTOR EXTENSION	1
53-500-150	INTERFACE PCB	1
53-500-55		
53-500-16	SAFETY SWITCH 2 – INK DOOR	1
53-500-18	WIRE HARNESS FAN ASSY. EXTENSION	1
53-500-20	FILTER 2VR1	1
53-500-21	WIRE HARNESS SAFETY SWITCH 2 CLAMSHELL EXT - BLUE	1
53-500-22	WIRE HARNESS SAFETY SWITCH PRINTHEAD RED	1
53-500-31		

123-6028	FCC CABLE	1
34-500-17	WIRE HARNESS FAN ASSEMBLY	4
47-500-15	POWER INLET	1
47-500-19	POWER BUTTON ASSY.	1
47-500-73	MEDIA THICKNESS SENSOR	1
48-500-61	SWITCH ASSY.	1

53-500-32		
53-500-40	ENCODER PRINT ZONE	1
53-500-70	MEDIA GAP MOTOR ASSY.	1
53-500-73		

CONSUMABLES AND NORMAL WEAR PARTS

PART NO.	DESCRIPTION	QTY PER PRINTER
123-0035	BEARING, BALL	16
123-0139	BELT, TIMING 100XL031	1
123-0384	BEARING, RADIAL BALL: 8 x 22 x 7 SHIELDED	9
123-0573	BELT, TIMING 130XL043	1
123-1064	BEARING, 1/4 x 5/8 x .196 SEALED	5
123-1398	FUSE, 2.5A	2
123-1516	BELT, TIMING 160XL043	1
123-1651	SPEED CONTROL	1
123-2254	BEARING, BALL DOUBLE SHIELDED	2
123-2320	TAPE, PTFE COMFORTABLE TEFLON 1" x 180"	1
123-2661	BELT, TIMING 240XL X 120 TEETH	1
123-2777	NETWORK SWITCH	1
123-2782	7" TOUCHSCREEN DISPLAY	1
123-2813	BEARING, BALL FLANGED DOUBLE SHIELD	11
123-2974	RASPBERRY PI4 2GB	1
123-3100	MOTOR, DC040B-1SE0-A09; 9232, 24V, G51A	1
123-3105	SENSOR, OPTO SLOT 9.53MM TRANS CMT	1
123-3376	SENSOR OPT REFL 2MM-22MM MODULE	1
123-3377	POLARIZED RETROREFLECTIVE SENSOR	1
123-3378	ABSORBER, FELT IN 10 MM THICK 15 x 38 cm	1
123-3411	AC/DC CONVERTER 24V 75W	1
123-3415	BELT, TIMING 130XL043	1
123-3417	BELT, 3MM HTD PITCH, 391T, 9MM WIDE	1
123-3426	CABLE, FFC/FPC 18POS 1MM 4"	1
123-3427	CABLE, FFC/FPC 26POS 1MM 4"	1
123-3428	CABLE, FFC/FPC 19POS 1MM 4"	1

PART NO.	DESCRIPTION	QTY PER PRINTER
123-3436	SPRING	20
15141120	PRINT ENGINE (BnB)	1
15141290	SERVICE TRAY	1
123-6007	MOTOR, SERVICE TRAY HP F1 1000	1
123-6008	PCB, LEFT REAR UPPER HP F1 1000	1
27610034	BLACK INK CARTRIDGE	1
27610031	CYAN INK CARTRIDGE	1
27610032	MAGENTA INK CARTRIDGE	1
27610033	YELLOW INK CARTRIDGE	1
20-130-08	CONVEYOR ENDLESS BELT	12
26-500-10	MOTOR, RAE- 3120-325 FOR W985/986	1
47-106-32	RISING MOTOR	1
47-500-15	ASSY, POWER INLET	1
47-500-19	ASSEMBLY, POWER SWITCH	1
47-500-73	MPCA-MEDIA THICKNESS SENSOR	1
4CC94A	MOTOR, SERVICE TRAY HP F1 1000	1
53-104-44	SPRING, LH TORSION, 0.46ID, 270%%D	1
53-104-45	SPRING, RH TORSION, 0.46ID, 180%%D	1
53-108-41	EXIT MEDIA SENSOR	1
53-112-01	PRINT PLATEN ASSY	1
53-112-20	INK PAN W/FELT	1
53-112-21	INK PAN WELDMENT	1
53-114-27	MOTOR RAE (M4000) ASSY.	1
53-115-13	REFLECTIVE TAPE	1
53-115-30	CONVEYOR MEDIA REGISTRATION BELT	3
53-116-12	EXIT WHEEL ASSY – COARSE/SPRING	1

CONSUMABLES AND NORMAL WEAR PARTS

PART NO.	DESCRIPTION	QTY PER PRINTER
53-116-20	EXIT WHEEL LH	1
53-116-21	EXIT WHEEL RH	1
53-116-23	EXIT WHEEL ASSY – SMOOTH/GRAVITY	2
53-116-28	EXIT WHEEL LH	1
53-116-30	EXIT WHEEL RH	1
53-116-49	ENCODER WHEEL	1
53-117-09	TOP MEDIA GUIDE RH ASSY	1
53-117-45	REGISTRATION GUIDE ASSY LH	1
53-500-09	WH, TOF SENSOR	1
53-500-11	TRANSPORT MOTOR ASSY	1
53-500-150	BOARD, CONTROL	1
53-500-17	SAFETY SWITCH CLAMSHELL	1
53-500-20	FILTER ASSY	1
53-500-22	SAFETY SWITCH INK DOOR	1
53-500-40	ENCODER PRINT ZONE	1
53-500-45	POWER SUPPLY, HP F1 1000 W/SAFETY CAP	1
53-500-70	MEDIA GAP MOTOR ASSY	1
53-500-74B	WH, EXIT SENSOR	1
53-500-100	MAIN PCB OEM F1 100 SP2	1

PART NO.	DESCRIPTION	QTY PER PRINTER
53-500-50	SD CARD RPI SP	1
54-101-22	TRANSPORT VACUUM BELT	5
54-107-48	SPRING, RH TORSION, 0.46ID, 180%%D	5
71-120-01	MAIN SPRING	5
95-105-24	PAPER RETAINER ASSY	1
97-115-02	WHEEL ASSY	5
99-100-98	BEARING ASSY	2

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PART NO.	GROUP	KEY	PART NO.	GROUP	KEY	PART NO.	GROUP	KEY
100-500-01	7	6	123-0053	27	NA	123-0192	23	NA
123-.675	1.1	5	123-0053	28	NA	123-0192	8.2	15
123-0001	19	NA	123-0053	2.2	8	123-0192	9	12
123-0001	19	NA	123-0053	27	NA	123-0192	10	11
123-0003	2.1	12	123-0053	28	NA	123-0192	23	NA
123-0004	9	9	123-0063	8.1	12	123-0229	15	7
123-0004	10	9	123-0063	8.1	14	123-0229	15	7
123-0004	9	9	123-0064	8.1	13	123-0237	8.1	15
123-0004	10	8	123-0064	8.1	15	123-0237	8.2	15
123-0006	2.1	13	123-0068	10	11	123-0237	2.1	16
123-0006	15	5	123-0068	10	10	123-0237	8.1	17
123-0006	16	4	123-0096	15	6	123-0237	8.2	16
123-0006	2.1	12	123-0096	16	5	123-0252	8.1	16
123-0006	15	5	123-0096	22	6	123-0252	9	13
123-0006	16	4	123-0096	15	6	123-0252	2.1	17
123-0008	14	NA	123-0096	16	5	123-0252	2.2	11
123-0008	14	11	123-0096	22	6	123-0252	8.1	18
123-0017	1.3	7	123-0114	2.2	12	123-0252	9	13
123-0017	2.1	14	123-0114	14	NA	123-0261	7	7
123-0017	3	7	123-0114	2.2	9	123-0262	17	NA
123-0017	7	16	123-0114	14	15	123-0262	27	NA
123-0017	8.1	11	123-0125	2.3	3	123-0262	28	NA
123-0017	8.2	12	123-0125	2.3	7	123-0262	17	NA
123-0017	9	10	123-0139	7	18	123-0262	27	NA
123-0017	10	10	123-0139	30	NA	123-0262	28	NA
123-0017	14	NA	123-0148	11	4	123-0274	1.2	6
123-0017	21	NA	123-0148	13	5	123-0274	8.2	16
123-0017	1.3	7	123-0148	11	4	123-0274	14	NA
123-0017	2.1	13	123-0148	13	5	123-0274	1.2	5
123-0017	3	8	123-0169	21	NA	123-0274	8.1	19
123-0017	8.1	12	123-0169	21	NA	123-0274	8.2	17
123-0017	8.2	13	123-0180	2.2	8	123-0274	14	16
123-0017	9	10	123-0180	2.2	10	123-0278	2.1	18
123-0017	10	9	123-0182	2.1	15	123-0280	8.1	17
123-0017	14	12	123-0182	8.1	14	123-0280	27	NA
123-0017	21	NA	123-0182	2.1	14	123-0280	28	NA
123-0021	14	NA	123-0182	8.1	16	123-0280	27	NA
123-0021	14	13	123-0185	1.1	6	123-0280	28	NA
123-0024	1.1	4	123-0185	2.1	16	123-0312	21	NA
123-0024	7	17	123-0185	8.2	13	123-0312	21	NA
123-0024	2.2	7	123-0185	27	NA	123-0322	15	8
123-0024	8.1	13	123-0185	28	NA	123-0322	16	6
123-0035	14	NA	123-0185	1.1	4	123-0322	20	NA
123-0035	17	NA	123-0185	2.1	15	123-0322	22	7
123-0035	21	NA	123-0185	8.2	14	123-0322	15	8
123-0035	27	NA	123-0185	27	NA	123-0322	16	6
123-0035	28	NA	123-0185	28	NA	123-0322	20	NA
123-0035	14	14	123-0191	9	11	123-0322	22	7
123-0035	17	NA	123-0191	24	NA	123-0384	30	NA
123-0035	21	NA	123-0191	9	11	123-0461	3	8
123-0035	27	NA	123-0191	24	NA	123-0461	6	8
123-0035	28	NA	123-0192	8.2	14	123-0461	8.1	18
123-0035	30	NA	123-0192	9	12	123-0461	24	NA
123-0053	2.2	7	123-0192	10	12	123-0461	3	9

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PART NO.	GROUP	KEY	PART NO.	GROUP	KEY	PART NO.	GROUP	KEY
123-0461	4	11	123-0751	2.2	12	123-1210	3	14
123-0461	8.1	20	123-0751	6	4	123-1210	4	16
123-0461	24	NA	123-0757	3	11	123-1210	9	17
123-0461M	6	9	123-0757	3	12	123-1210	10	14
123-0486	10	13	123-0978	4	11	123-1257	2.3	10
123-0486	20	NA	123-0978	18	NA	123-1398	29	49
123-0486	10	12	123-0978	21	NA	123-1398	29	NA
123-0486	20	NA	123-0978	18	NA	123-1398	30	NA
123-0524	8.2	17	123-0978	21	NA	123-1459	17	NA
123-0524	19	NA	123-0978T	26	7	123-1459	17	NA
123-0524	8.2	18	123-0978T	26	7	123-1461	6	3
123-0524	19	NA	123-1023	4	12	123-1516	25	NA
123-0531	2.1	19	123-1023	4	13	123-1516	25	NA
123-0573	8.1	19	123-1064	8.2	19	123-1516	30	NA
123-0573	8.1	21	123-1064	8.2	20	123-1651	8.1	22
123-0573	30	NA	123-1064	30	NA	123-1651	29	17
123-0612	2.1	17	123-1074	7	20	123-1651	8.1	24
123-0612	3	9	123-1135	2.1	18	123-1651	29	NA
123-0612	4	10	123-1135	2.2	5	123-1651	30	NA
123-0612	8.1	20	123-1135	4	13	123-1677	10	16
123-0612	9	14	123-1135	7	21	123-1677	10	15
123-0612	24	NA	123-1135	8.1	21	123-1680	10	17
123-0612	25	NA	123-1135	12	NA	123-1680	10	16
123-0612	25	NA	123-1135	2.2	13	123-1789	3	14
123-0612	2.1	20	123-1135	4	14	123-1789	4	16
123-0612	3	10	123-1135	8.1	23	123-1789	3	15
123-0612	4	12	123-1135	12	2	123-1789	4	17
123-0612	8.1	22	123-1136	1.2	9	123-2007	3	15
123-0612	9	14	123-1136	2.2	9	123-2007	4	17
123-0612	24	NA	123-1136	2.3	4	123-2007	3	16
123-0612	25	NA	123-1136	8.2	20	123-2007	4	18
123-0612T	17	NA	123-1136	20	NA	123-2062	8.1	23
123-0614T	17	NA	123-1136	1.1	6	123-2062	8.2	21
123-0675	1.2	8	123-1136	1.2	8	123-2062	8.1	25
123-0675	7	19	123-1136	1.3	9	123-2062	8.2	22
123-0675	1.2	7	123-1136	2.2	14	123-2122	9	18
123-0675	1.3	8	123-1136	2.3	9	123-2122	10	17
123-0675	2.3	8	123-1136	8.2	21	123-2231	23	NA
123-0683	12	NA	123-1136	20	NA	123-2250	14	18
123-0683	14	NA	123-1158	26	3	123-2254	30	NA
123-0683	12	1	123-1158	26	3	123-2273	2.2	15
123-0683	14	17	123-1178	3	12	123-2273	6	5
123-0701	3	10	123-1178	7	22	123-2282	4	19
123-0701	3	11	123-1178	17	NA	123-2320	30	NA
123-0705	9	15	123-1178	25	NA	123-2360	1.2	6
123-0705	10	14	123-1178	3	13	123-2360	2.3	11
123-0705	9	15	123-1178	17	NA	123-2386	26	5
123-0705	10	13	123-1178	25	NA	123-2386	29	NA
123-0733	8.2	18	123-1206	4	14	123-2387	26	6
123-0733	9	16	123-1206	4	15	123-2387	29	NA
123-0733	8.2	19	123-1210	3	13	123-2396	2.1	21
123-0733	9	16	123-1210	4	15	123-2438	6	6
123-0751	2.2	11	123-1210	9	17	123-2447	29	NA
123-0751	6	10	123-1210	10	15	123-2451	1.1	3

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123-2451	17	NA	123-3461	29	NA	48-101-26	17	NA
123-2451	22	8	123-3462	7	11	48-103-14	2.2	1
123-2458	29	NA	123-3462	29	NA	48-115-32	7	1
123-2619	6	8	123-6007	3	17	48-500-19	7	2
123-2652	5	4	123-6007	29	NA	48-500-61	4	1
123-2661	8.1	26	123-6007	30	NA	48-500-61	29	NA
123-2661	30	NA	123-6008	3	18	49-107-03	2.3	1
123-2770	4	20	123-6008	29	NA	4CC94A	30	NA
123-2776	29	NA	123-6008	30	NA	53-100-04	1.1	2
123-2777	29	NA	123-6012	29	NA	53-100-05	2.1	1
123-2777	30	NA	123-6013	29	NA	53-100-06	3	1
123-2782	7	8	123-6028	29	NA	53-100-09	2.1	2
123-2782	29	NA	15141120	2.3	13	53-100-09	2.2	2
123-2782	30	NA	15141120	30	NA	53-100-09	2.3	2
123-2806	5	3	15141290	30	NA	53-100-10	4	2
123-2813	22	9	20-130-08	25	NA	53-100-32	1.2	1
123-2813	24	NA	20-130-08	30	NA	53-100-40	3	2
123-2813	25	NA	21-103-03	25	NA	53-101-04	2.2	6
123-2813	30	NA	21-111-04	22	1	53-101-05	5	1
123-2817	9	19	24-101-11	11	2	53-101-08	2.1	3
123-2817	10	18	24-101-11	13	2	53-101-13	2.2	3
123-2820	7	9	25-133-20	14	1	53-101-14	6	1
123-2974	29	NA	26-500-10	30	NA	53-101-18	2.2	4
123-2974	30	NA	27-400-18	19	NA	53-101-19	2.2	5
123-3062	24	NA	27610031	30	NA	53-101-22	2.3	3
123-3062	25	NA	27610032	30	NA	53-102-03	2.3	4
123-3072	2.3	12	27610033	30	NA	53-102-04	7	3
123-3072	9	20	27610034	30	NA	53-102-11	7	4
123-3098	17	NA	34-500-17	5	2	53-102-14	4	3
123-3100	30	NA	34-500-17	29	NA	53-102-20	4	4
123-3105	30	NA	35-201-09	27	NA	53-102-25	2.3	5
123-3148	7	10	35-201-09	28	NA	53-102-30	2.3	6
123-3148	29	NA	42-104-08	26	4	53-103-02	2.1	4
123-3376	30	NA	44-103-19	24	NA	53-103-03	23	NA
123-3377	30	NA	45-104-14	15	1	53-103-13	23	NA
123-3378	30	NA	45-104-14	16	1	53-104-11	2.1	5
123-3411	8.1	27	45-104-15	21	NA	53-104-22	4	5
123-3411	29	NA	45-104-16	21	NA	53-104-26	4	6
123-3411	30	NA	45-104-17	21	NA	53-104-33	3	3
123-3415	8.1	28	45-104-18	9	1	53-104-34	4	7
123-3415	30	NA	45-104-18	9	2	53-104-37	2.1	6
123-3417	8.1	29	45-104-18	10	1	53-104-38	2.1	7
123-3417	30	NA	45-104-18	10	2	53-104-39	2.1	8
123-3426	29	NA	47-106-32	30	NA	53-104-43	4	8
123-3426	30	NA	47-500-15	26	2	53-104-44	30	NA
123-3427	29	NA	47-500-15	29	NA	53-104-45	30	NA
123-3427	30	NA	47-500-15	30	NA	53-108-03	8.2	1
123-3428	30	NA	47-500-19	29	NA	53-108-04	24	NA
123-3432	29	NA	47-500-19	30	NA	53-108-12	8.2	3
123-3433	29	NA	47-500-70	17	NA	53-108-23	8.2	2
123-3435	2.2	16	47-500-73	18	NA	53-108-23	25	NA
123-3436	23	NA	47-500-73	29	NA	53-108-24	25	NA
123-3436	30	NA	47-500-73	30	NA	53-108-31	24	NA
123-3460	29	NA	48-101-11	13	3	53-108-31	25	NA

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53-108-34	24	NA	53-114-14	22	5	53-500-11	19	NA
53-108-34	25	NA	53-114-15	19	NA	53-500-11	29	NA
53-108-40	25	NA	53-114-23	10	6	53-500-11	30	NA
53-108-41	30	NA	53-114-27	8.1	6	53-500-12A	29	NA
53-108-45	15	2	53-114-27	30	NA	53-500-12B	29	NA
53-108-45	16	2	53-115-02	8.2	10	53-500-13	29	NA
53-109-13	26	1	53-115-13	30	NA	53-500-14A	29	NA
53-109-27	2.1	9	53-115-30	30	NA	53-500-14B	29	NA
53-109-31	3	4	53-116-04	1.2	4	53-500-150	6	2
53-109-36	3	5	53-116-12	1.3	2	53-500-150	29	NA
53-110-02	1.1	1	53-116-12	30	NA	53-500-150	30	NA
53-110-03	8.1	10	53-116-20	30	NA	53-500-16	4	10
53-110-04	9	3	53-116-21	30	NA	53-500-16	29	NA
53-110-06	8.1	1	53-116-23	1.3	3	53-500-17	30	NA
53-110-07	10	7	53-116-23	30	NA	53-500-18	29	NA
53-110-19	8.1	9	53-116-28	30	NA	53-500-20	8.1	8
53-110-23	1.2	3	53-116-30	30	NA	53-500-20	29	NA
53-110-25	1.2	2	53-116-40N	8.1	7	53-500-20	30	NA
53-110-29	8.1	2	53-116-42N	20	NA	53-500-21	29	NA
53-110-29	8.2	4	53-116-43N	20	NA	53-500-22	29	NA
53-111-03	8.2	5	53-116-45N	20	NA	53-500-22	30	NA
53-111-04	27	NA	53-116-49	20	NA	53-500-31	29	NA
53-111-08	8.2	6	53-116-49	30	NA	53-500-32	29	NA
53-111-09	28	NA	53-117-04	1.3-	4	53-500-40	29	NA
53-111-11	2.1	10	53-117-05	11	1	53-500-40	30	NA
53-111-12	2.1	11	53-117-07	8.1	4	53-500-45	3	7
53-111-17	9	4	53-117-09	11	3	53-500-45	30	NA
53-111-18	9	5	53-117-09	30	NA	53-500-50	7	5
53-111-18	10	3	53-117-10	12	3	53-500-55	29	NA
53-111-19	8.2	7	53-117-13	12	4	53-500-70	29	NA
53-111-23	4	9	53-117-19	12	5	53-500-70	30	NA
53-111-24	3	6	53-117-23	12	6	53-500-73	29	NA
53-111-27	27	NA	53-117-40	1.3	5	53-500-74B	30	NA
53-111-28	9	6	53-117-41	13	1	54-101-22	24	NA
53-111-28A	10	4	53-117-45	13	4	54-107-45B	14	4
53-112-01	8.2	8	53-117-45	30	NA	54-107-45F	14	5
53-112-01	30	NA	53-117-46	14	2	54-107-46	14	6
53-112-10	30	NA	53-117-49	14	3	54-107-47	14	7
53-112-15	9	7	53-500-01	29	NA	54-107-48	14	8
53-112-20	1.3	1	53-500-02	29	NA	54-107-68	14	9
53-112-21	30	NA	53-500-03A	29	NA	54-109-24	23	NA
53-113-04	8.1	3	53-500-03B	29	NA	71-120-01	20	NA
53-113-05	15	3	53-500-04B	29	NA	71-120-01	27	NA
53-113-06	16	3	53-500-05B	29	NA	71-120-01	28	NA
53-113-10	8.1	5	53-500-05C	29	NA	84-120-10	8.2	12
53-113-11A	17	NA	53-500-06	8.2	11	95-100-32	8.1	11
53-113-14	9	8	53-500-06	29	NA	95-100-32	24	NA
53-113-15	18	NA	53-500-07	29	NA	95-105-24	1.3	6
53-113-21	15	4	53-500-08	29	NA	97-115-02	14	10
53-114-02	8.2	9	53-500-09	29	NA	M3	20	NA
53-114-03	22	2	53-500-09	30	NA			
53-114-06	22	3	53-500-10	29	NA			
53-114-07	10	5	53-500-100	6	7			
53-114-13	22	4	53-500-100	30	NA			