

SOLO[®] MAX

Automatic Wrapper **Parts Catalog**

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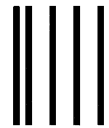
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Columbus, Ohio 43240

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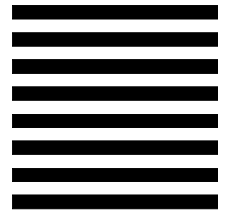
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PRECAUTIONS

READ this manual BEFORE operating or servicing this equipment.

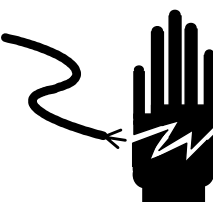
FOLLOW these instructions carefully.

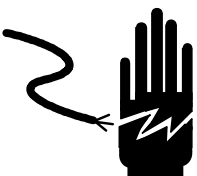
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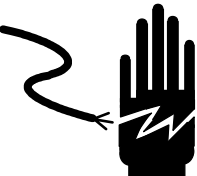
DO NOT allow untrained personnel to operate, clean, inspect, maintain, service, or tamper with this equipment.

ALWAYS DISCONNECT this equipment from the power source before cleaning or performing maintenance.

CALL METTLER TOLEDO for parts, information, and service.

	 WARNING
	ONLY PERMIT QUALIFIED PERSONNEL TO SERVICE THIS EQUIPMENT. EXERCISE CARE WHEN MAKING CHECKS, TESTS AND ADJUSTMENTS THAT MUST BE MADE WITH POWER ON. FAILING TO OBSERVE THESE PRECAUTIONS CAN RESULT IN BODILY HARM AND/OR PROPERTY DAMAGE.

	 WARNING
	FOR CONTINUED PROTECTION AGAINST SHOCK HAZARD CONNECT TO PROPERLY GROUNDED OUTLET ONLY. DO NOT REMOVE THE GROUND PRONG.

	 WARNING
	DISCONNECT ALL POWER TO THIS UNIT BEFORE REMOVING THE FUSE OR SERVICING.

 CAUTION
BEFORE CONNECTING OR DISCONNECTING ANY INTERNAL ELECTRONIC COMPONENTS OR INTERCONNECTING WIRING BETWEEN ELECTRONIC EQUIPMENT, ALWAYS REMOVE POWER AND WAIT AT LEAST THIRTY (30) SECONDS BEFORE ANY CONNECTIONS OR DISCONNECTIONS ARE MADE. FAILURE TO OBSERVE THESE PRECAUTIONS COULD RESULT IN DAMAGE TO, OR DESTRUCTION OF THE EQUIPMENT OR BODILY HARM.

 CAUTION
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES.

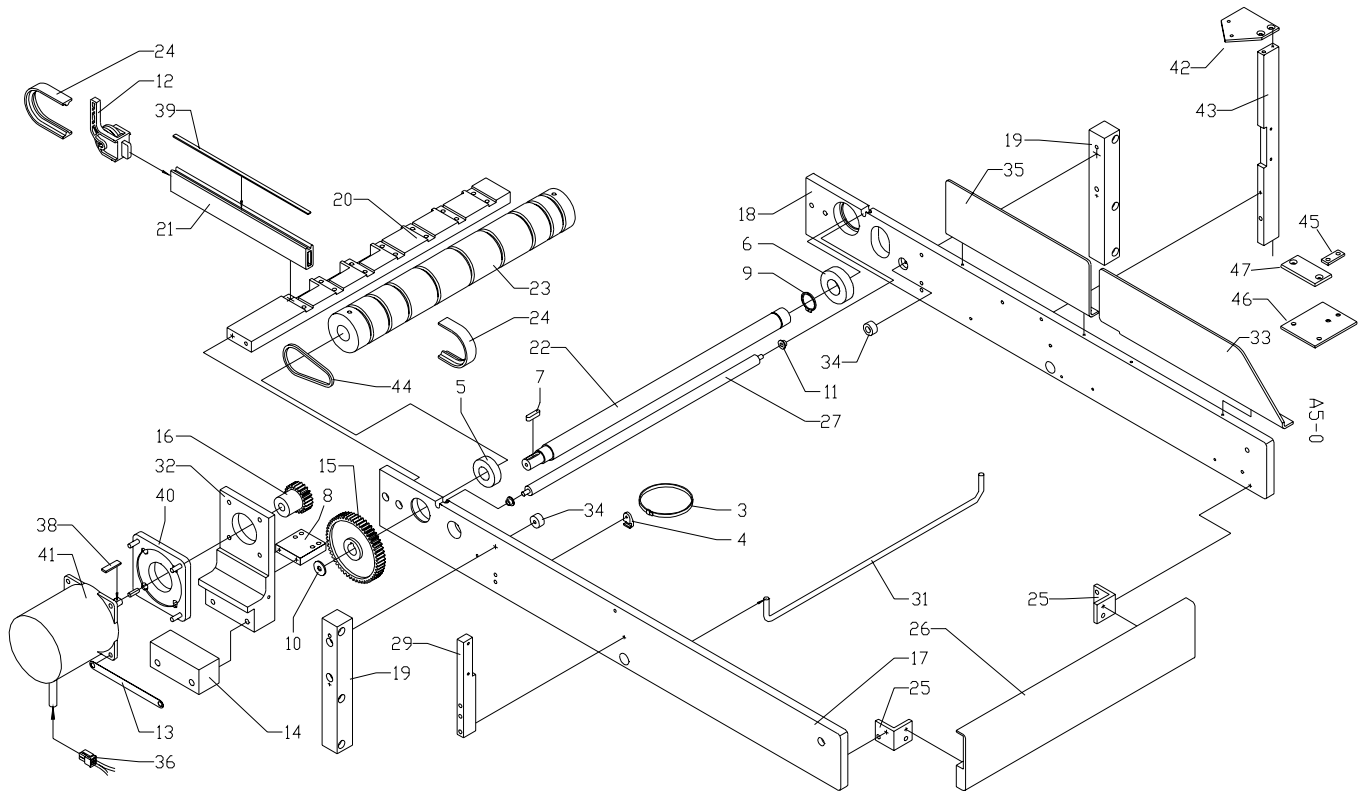
CONTENTS

Infeed Frame and Conveyor 2	2
Infeed Conveyor 1	4
Infeed Photoeyes and Control Panel.....	6
Frame and Power Switch.....	8
Covers	10
Covers 2	12
Safety Photoeyes	14
Lifter.....	16
Lifter Actuator.....	18
Center Clamp	20
Center Clamp Actuator.....	22
Side Clamps	24
Side Clamp Actuator	26
Film Folders, Distributor, & Clamp.....	28
Package Drive Rollers & Upper Distributor	30
Sealing Belt	32
Heater Blower	34
T-Bar	36
Lifter Control Cam	38
Film Reel & Film Rollers	40
Pressure Ski.....	42
Electronics	44
Interface Connectors.....	46
Legs and Casters	48



SOLO® Max

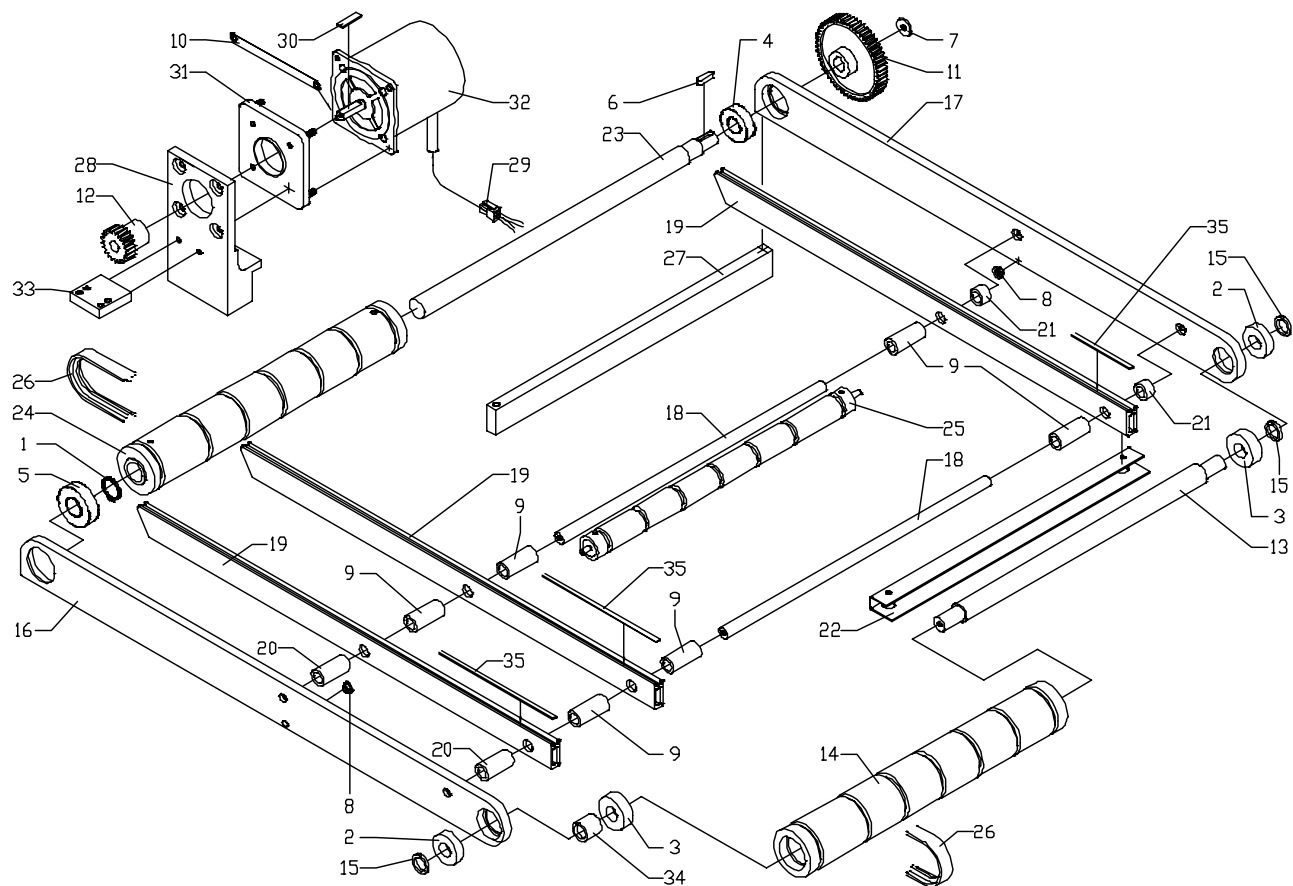
Infeed Frame and Conveyor 2



Infeed Frame and Conveyor 2

3	81253900A	Tie Wrap, 4.6 MM X 180
4	82701400A	Cable Clamp
5	83086600A	Bearing 6003-2RS
6	83086800A	Bearing 6004-2RS
7	83087400A	Feather key 5x5x20 DIN 6885A
8	83136700A	infeed frame support block
9	82707200A	Snap Ring, External,DIN 471-20MM ID
10	82710600A	Fender Washer, SS, DIN 9021B - M6
11	82721200A	Iglide Flng BRG, 5MM IDX7MM ODX5MM
12	83142200A	Pulley Assembly Infeed
13	82742000A	Ground Strap
14	83224200A	Spacer for Left Infeed Motor Mount
15	83105900A	Infeed drive gear
16	83106000A	Infeed drive pinion
17	83106100A	Infeed side frame left
18	83106200A	Infeed side frame right
19	83106300A	Infeed side frame support block
20	83222400A	Rear infeed cross bar
21	83222500A	Rear infeed tracks
22	83222600A	Rear infeed drive shaft
23	83224500A	Rear infeed drive roller
24	83222700A	Rear infeed belt
25	83107800A	Front infeed angle support bracket
26	83223400A	Front infeed front cross bar
27	83223500A	Infeed joint roller
29	83109400A	Vertical Photocell Support on infeed
31	83224100A	Cable Support Rod
32	83108100A	Infeed motor mount
33	83162800A	Outer Infeed Package Guide
34	83108300A	Bolt spacer
35	83162900A	Inner Infeed Package Guide
36	83231100A	Power Harness Assembly
38	83127900A	Feather key for T-bar
39	83224700A	Teflon Strip for Infeed 2
40	83137400A	Motor vibration insulator
41	83137500A	Stepper motor 4.4 Nm
42	83217200A	Photoeye Bracket
43	83242800A	Right Vertical Photocell Support
44	83108600A	Infeed joint belt
45	83219100A	Spacer
46	83217300A	Reflector Bracket
47	83057400A	Reflector

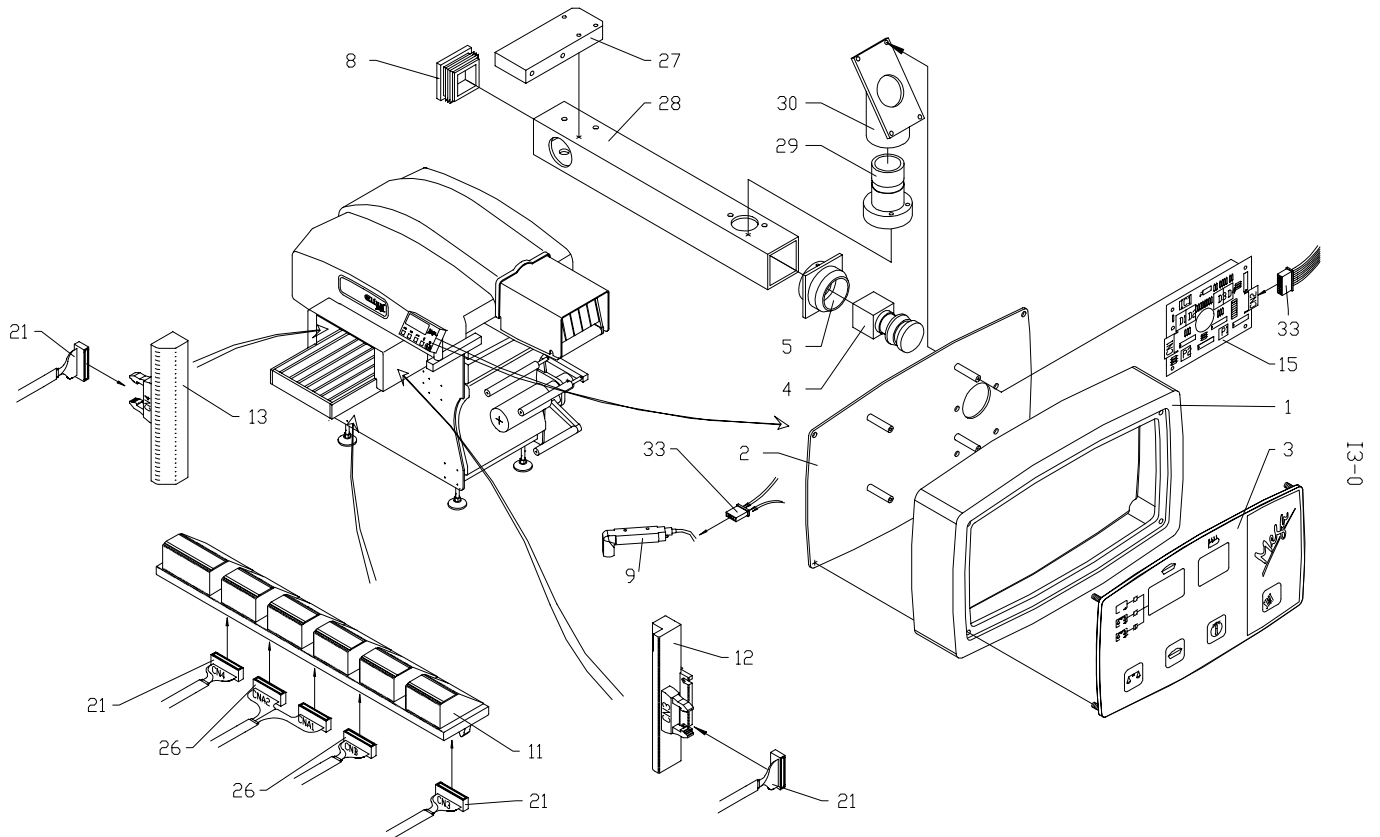
Infeed Conveyor 1



Infeed Conveyor 1

1	82707200A	Snap Ring, External, DIN 471-20MM ID
2	83086400A	Bearing 6002-2RS
3	83086500A	Bearing 6202-2RS
4	83086600A	Bearing 6003-2RS
5	83086800A	Bearing 6004-2RS
6	83087400A	Feather key 5x5x20 DIN 6885A
7	82710600A	Fender Washer, SS, DIN 9021B - M6
8	82721200A	Iglide Flange Bearing, 5MM IDX7MM ODX5MM
9	82723100A	Delrin Spacer, 12MM ID X 17MM OD X38
10	82742000A	Ground Strap
11	83105900A	Infeed drive gear
12	83106000A	Infeed drive pinion
13	83222800A	Front infeed free shaft
14	83224300A	Front infeed grooved free roller
15	83107000A	Spacer for front infeed free shaft
16	83109500A	Infeed Side Frame-Mobile Left
17	83109600A	Infeed Side Frame-Mobile Right
18	83223000A	Shaft for infeed spacers
19	83107200A	Front infeed tracks
20	83223700A	Spacer - Infeed
21	83109000A	Short spacer for between infeed tracks
22	83109800A	Infeed belt roller guard
23	83223100A	Front infeed drive shaft
24	83224400A	Front infeed grooved drive roller
25	83223200A	Front infeed mid grooved free roller
26	83107600A	Front infeed belt
27	83223300A	Front infeed rear cross bar
28	83108100A	Infeed motor mount
29	83231100A	Power Harness Assembly
30	83127900A	Feather key for T-bar
31	83137400A	Motor vibration insulator
32	83137500A	Stepper motor 4.4 Nm
33	83136700A	Infeed frame support block
34	83222900A	Spacer - Infeed Roller
35	83159500A	Teflon Strip for Infeed 1 Belt Guides

Infeed Photoeyes and Control Panel

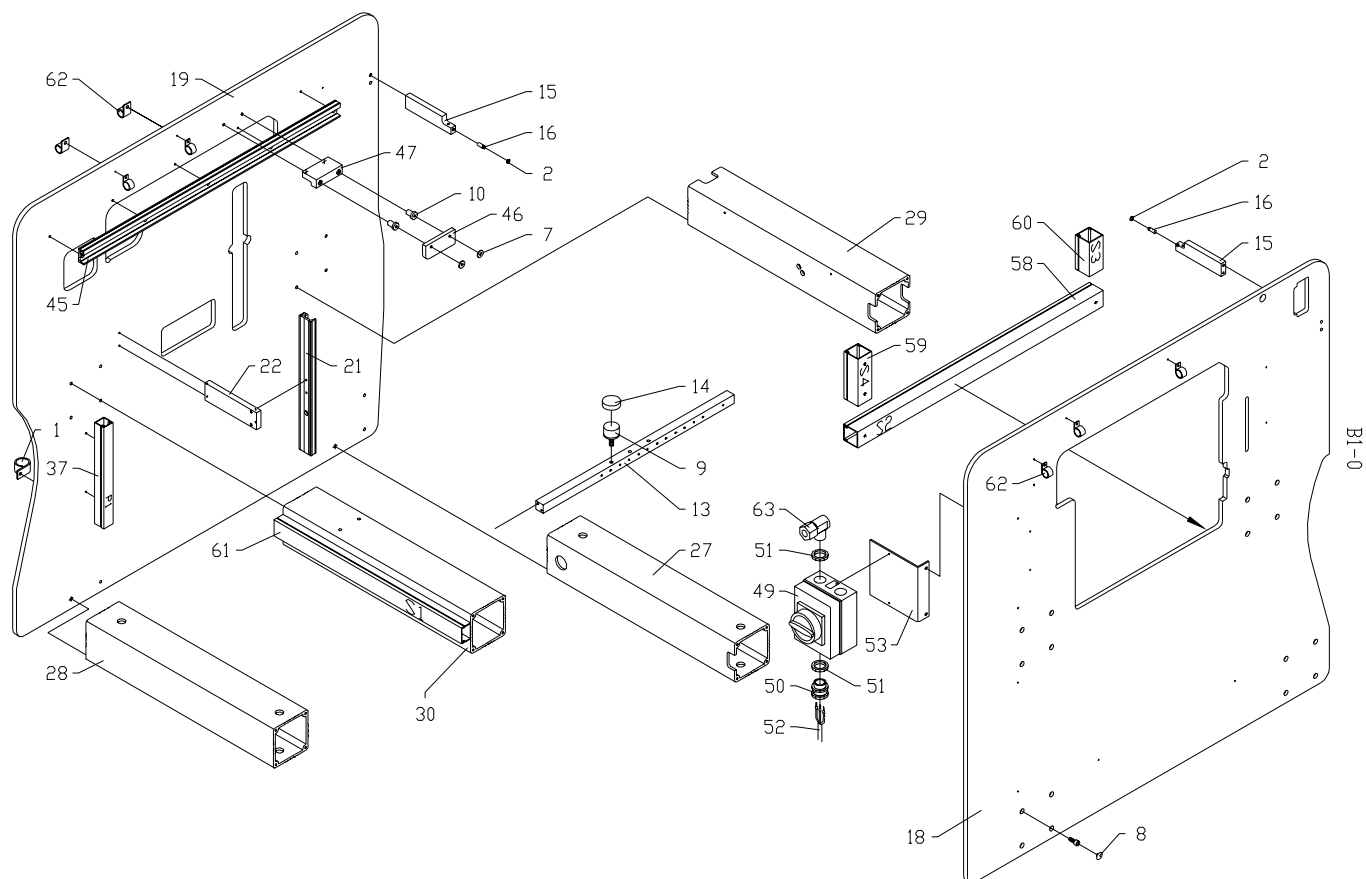


13-0

Infeed Photoeyes

1	83127400A	Control Panel Frame
2	83127500A	Control Panel Support Plate
3	83127600A	Control Panel Face
4	83127700A	Emergency stop button
5	83162300A	Mounting Plug for Emergency Stop Button
8	83098700A	Square Tube Plug 40x40x3
9	83217400A	Photoeye Assembly
11	146791TFW	Horizontal Photoeye Assembly
12	146795TFW	Vertical Photoeye Assembly -Right Side
13	146799TFW	Vertical Photoeye Assembly -Left Side
15	146779TFW	Display PCB
21	A82741300A	Vertical Light Curtain Ribbon Cable
26	83224600A	Horizontal Photocell Cable
27	83126200A	Control panel arm support block
28	83126300A	Control panel support arm
29	83126400A	Delrin pivot washer insert for control panel
30	83126500A	Control panel support block
33	83220900A	Cable Assembly and Infeed/Exit Signal Box

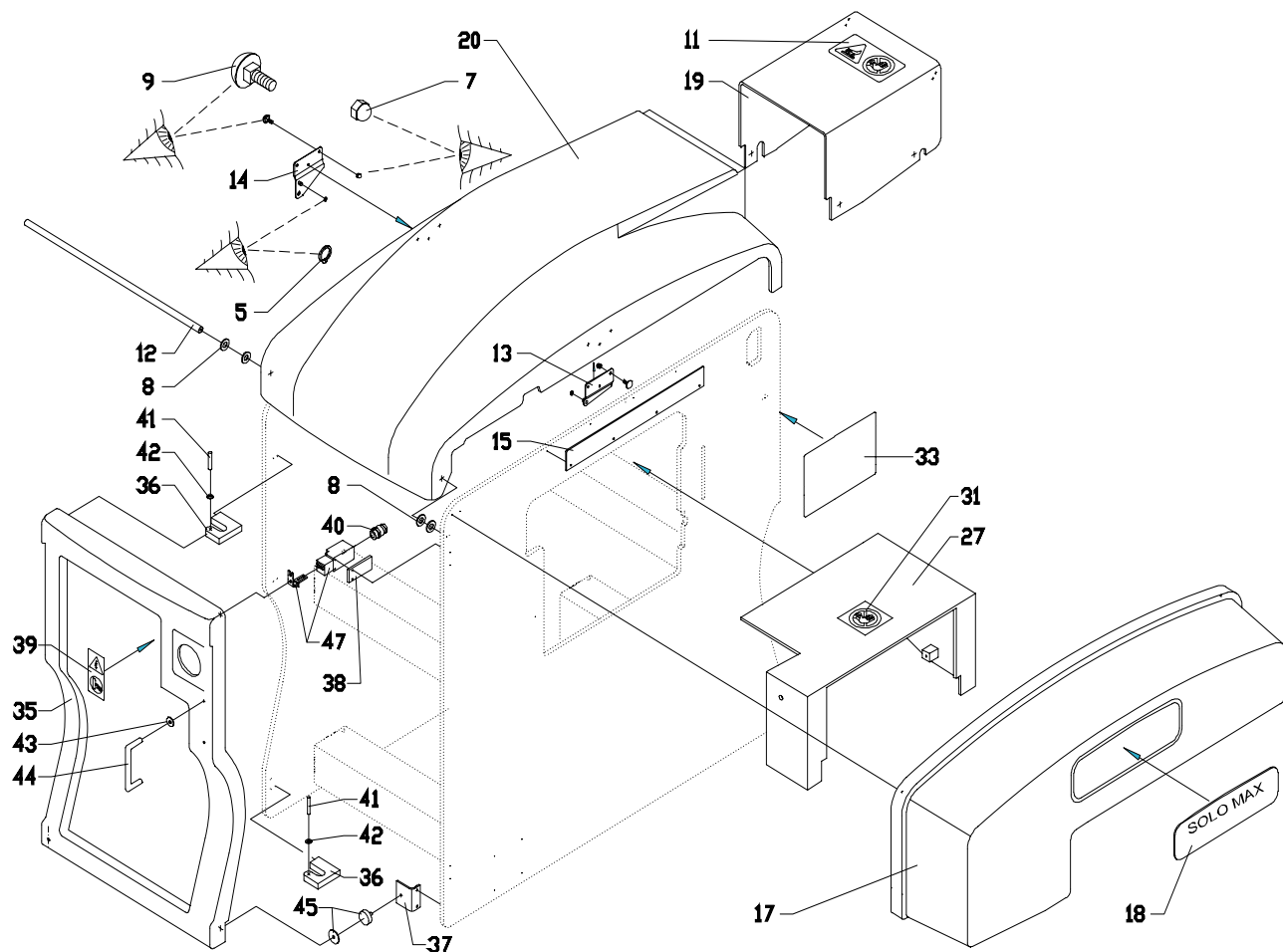
Frame and Power Switch



Frame and Power Switch

1	82700900A	Cable Clamp, 16MM ID
2	82706800A	Snap Ring, External, DIN 471-6MM ID
7	83091100A	Flat Fender Washer d5 Stainless DIN 9021B
8	83098400A	Socket Head Plug M6
9	83099000A	Rubber Foot/Bumper M8
10	83099100A	Flex-Loc M5
13	83225500A	Cross bar for lifter re-lock pads
14	83110000A	Lifter arm re-lock plastic pad
15	83225600A	Sealing belt support stop arm
16	83110200A	Pneumatic damper mount peg
18	83224900A	Machine frame-infeed side
19	83225000A	Machine frame-Electric Panel side
21	83235200A	Lifter Bearing Guide
22	83235300A	Support for Lifter Bearing Guide
27	83225100A	Lower right machine frame cross bar
28	83225200A	Lower left machine frame cross bar
29	83225300A	Upper right machine frame cross bar
30	83225400A	Upper left machine frame cross bar
37	83226100A	Cable Conduit
45	83228900A	Guide track for center clamp roller
46	83118300A	Cam for lever - film grabber raise/lower
47	83229000A	Support Block for Center Clamp Cam
49	83083500A	Main Power Switch
50	83084600A	Cable fitting
51	83084900A	Nylon Ring nut d16
52	83231100A	Power Harness Assembly
53	83226000A	Support Bracket for Power Switch
58	83226100A	Cable Conduit
59	83226100A	Cable Conduit
60	83226100A	Cable Conduit
61	83226100A	Cable Conduit
62	82700800A	CABLE CLAMP, 10MM ID
63	83084700A	Cable fitting 90°

Covers

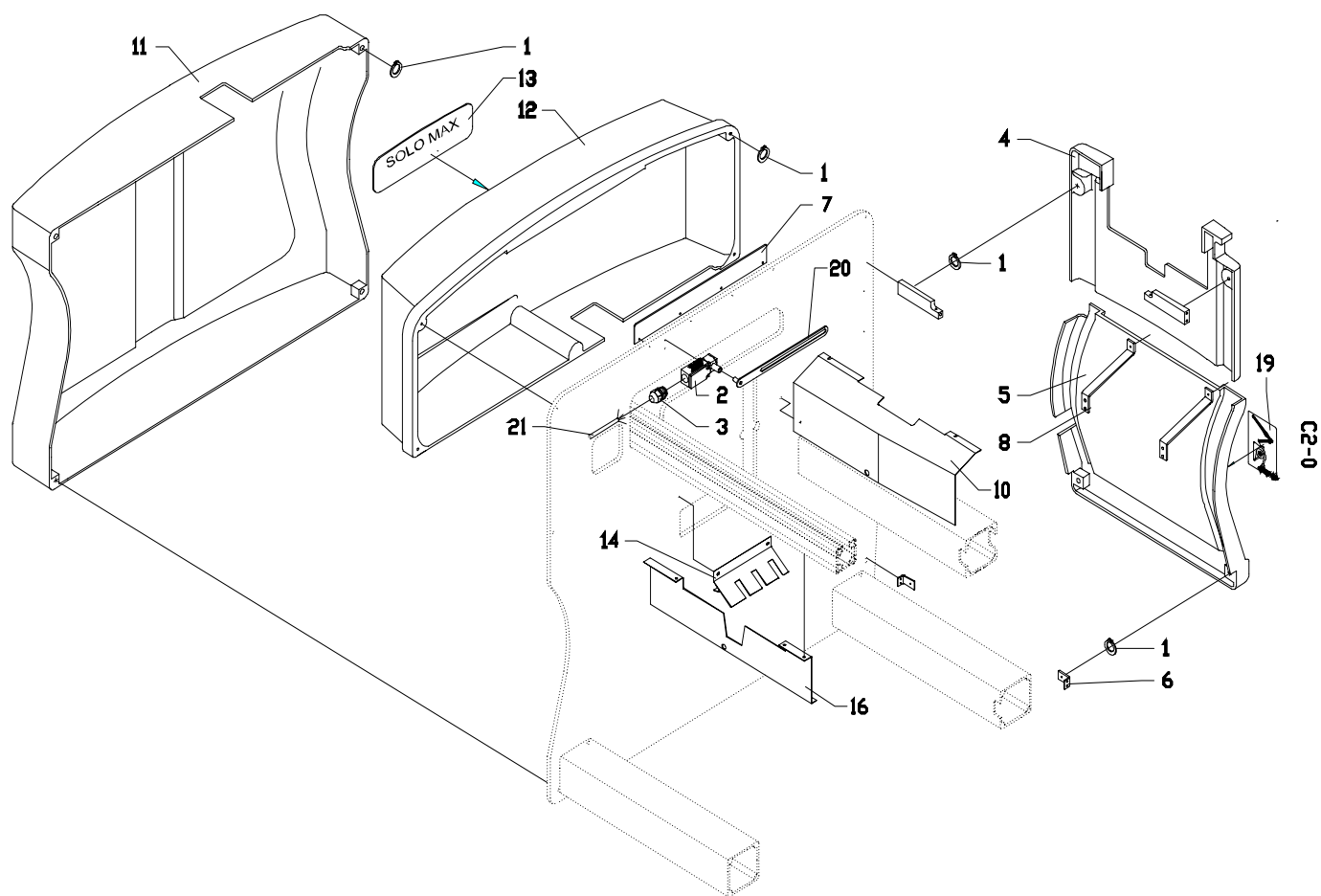


C1-0

Covers

5	82706800A	Snap Ring, External, DIN 471-6MM ID
7	83090000A	Hex Domed Nut M5 Chrome plated DIN 1587
8	83091000A	Flat Washer d12 polyamide DIN 125A
9	83094300A	RHS Neck Bolt M5x16 Stainless DIN 603
11	83070300A	Decal-warning "hot"
12	83226400A	Upper cover pivot shaft
13	83113800A	Mount plate for front pneumatic dampener on top cover
14	83113900A	Mount plate for rear pneumatic dampener on top cover
15	83226300A	Front and rear upper cover support
17	83227300A	Front Cover
18	83060200A	Decal-max logo
19	83227100A	Sealing belt cover
20	83226200A	Top cover
27	83223600A	Plastic infeed cover
31	83059100A	Decal-Warning Stop
33	83060400A	Decal-Cleaning And Emergency Codes
35	83226700A	Left side door
36	83115300A	Door hinge bracket
37	83114000A	Angle support bracket for lower right cover
38	83115500A	Spacer
39	83059000A	Decal-Warning & Power On-Off
40	83084400A	Cable fitting
41	82762300A	Dowel Pin, 5MM D X 25.8MM L
42	82710300A	Washer, Polyamide, DIN 125A - M5
43	83091100A	Flat Fender Washer d5 Stainless DIN 9021B
44	83097300A	Side Door Handle GN425-100-CR
45	83097500A	Side Door Magnet
47	83219200A	Interlock Switch

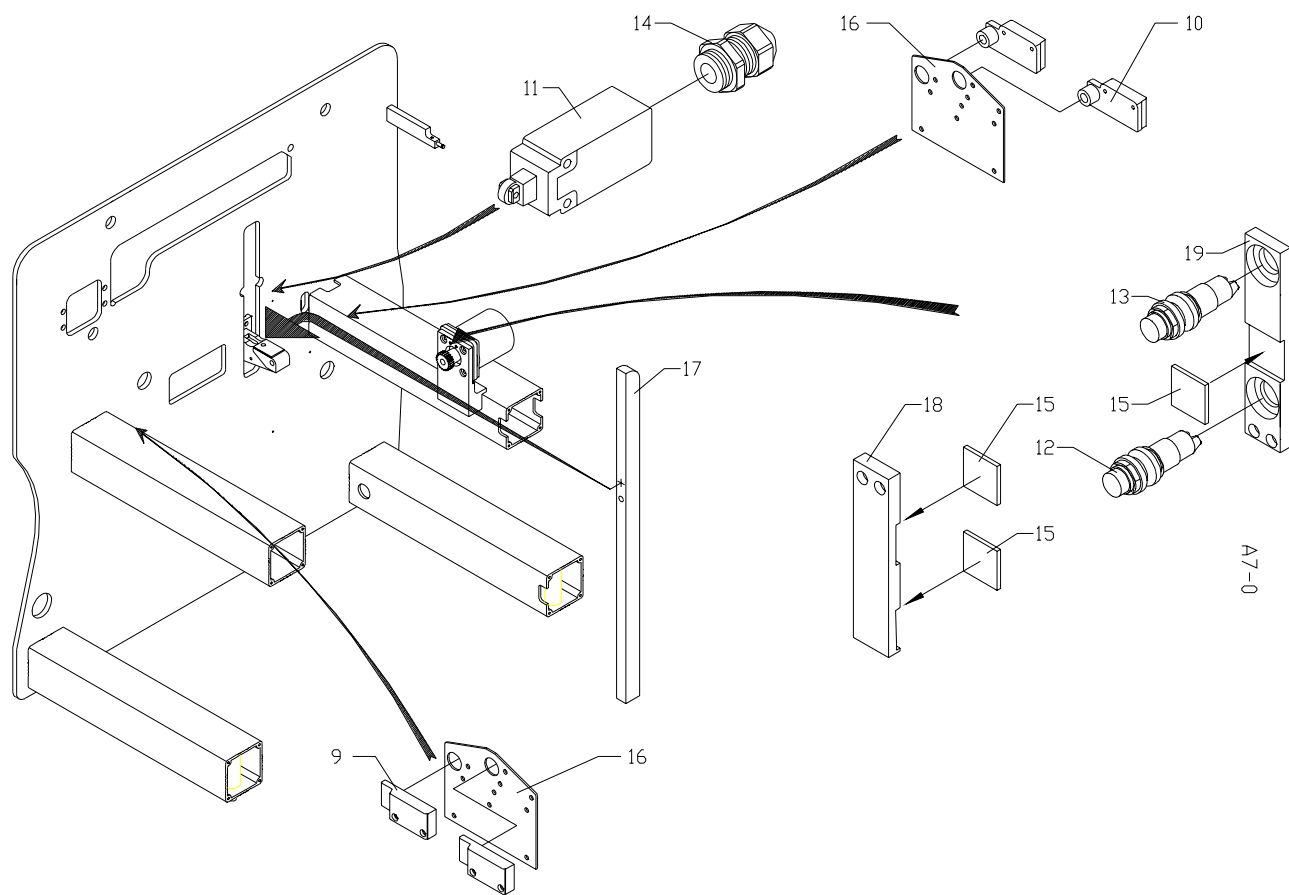
Covers 2



Covers 2

1	82707700A	Grip Ring, External, DIN 471-5MM ID
2	83083900A	Cover Safety Switch
3	83084400A	Cable fitting
4	83226500A	Upper right side plastic cover
5	83226600A	Lower right side plastic cover
6	83114000A	Angle support bracket for lower right cover
7	83226300A	Front and rear upper cover support
8	83227600A	Lower right Cover Support Bracket
10	83227700A	Infeed side guard right
11	83160100A	Lower Rear Cover
12	83227400A	Rear Upper plastic cover
13	83060200A	Decal-max logo
14	83226800A	Cam guard for lifter release
16	83227500A	Infeed side guard left
19	83049500A	Film Threading Decal
20	83114500A	Lever for top cover safety switch
21	83220900A	Cable Assembly and Infeed/Exit Signal Box

Safety Photoeyes

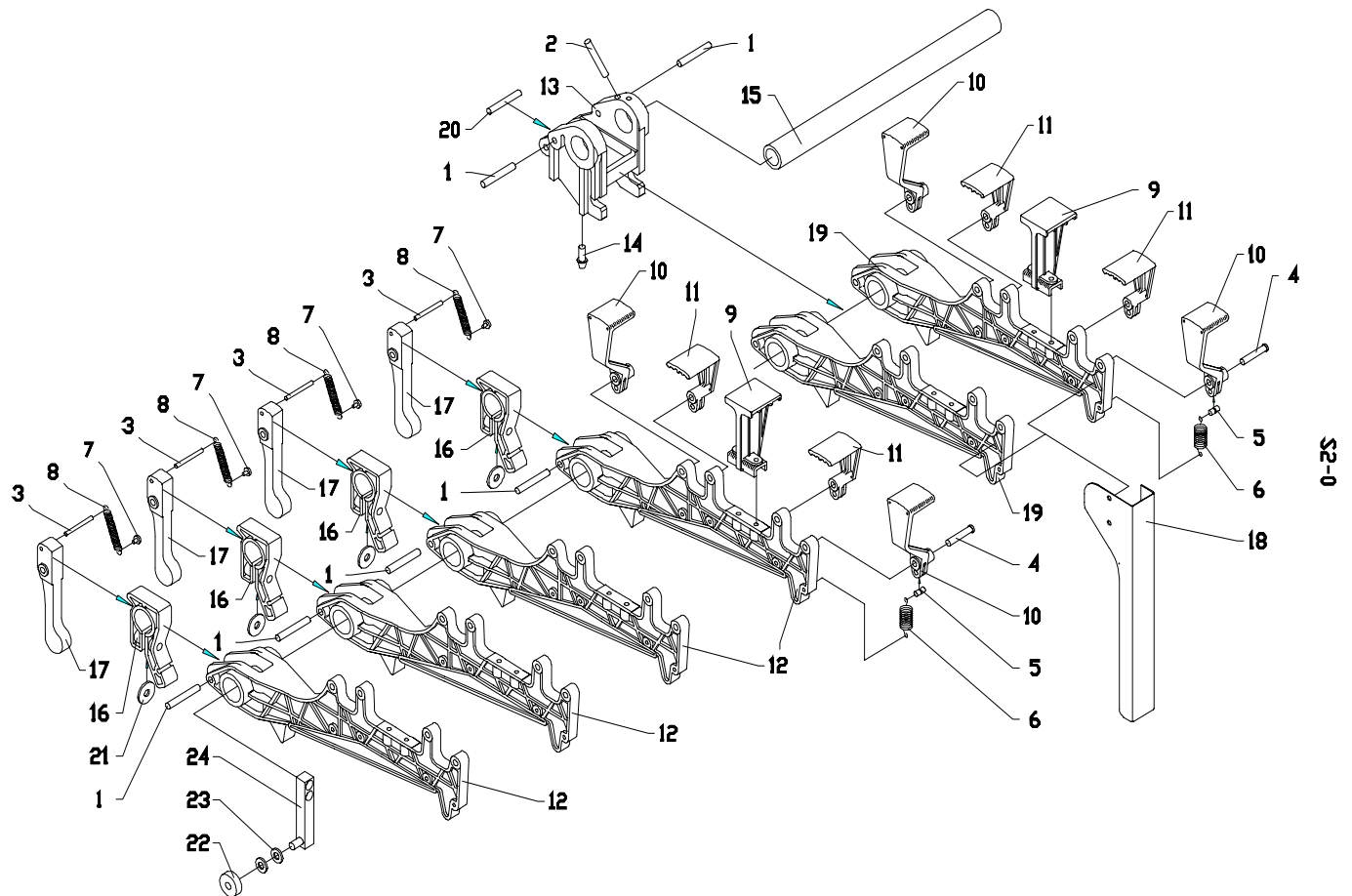


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Safety Photoeyes

9	83100000A	Photoeye Receiver
10	83100100A	Photoeye Transmitter
11	83083800A	Lifter Safety Switch
12	83084000A	Infeed Safety Photo Eye Receiver
13	83084100A	Infeed Safety Photo Eye Transmitter
14	83084500A	Cable fitting
15	83103200A	Mirror
16	83162200A	Lifter Safety Photocell Support Bracket
17	83223800A	Cam for lifter safety switch
18	83223900A	Mirror Support
19	83224000A	Infeed Safety Photocell Support

Lifter

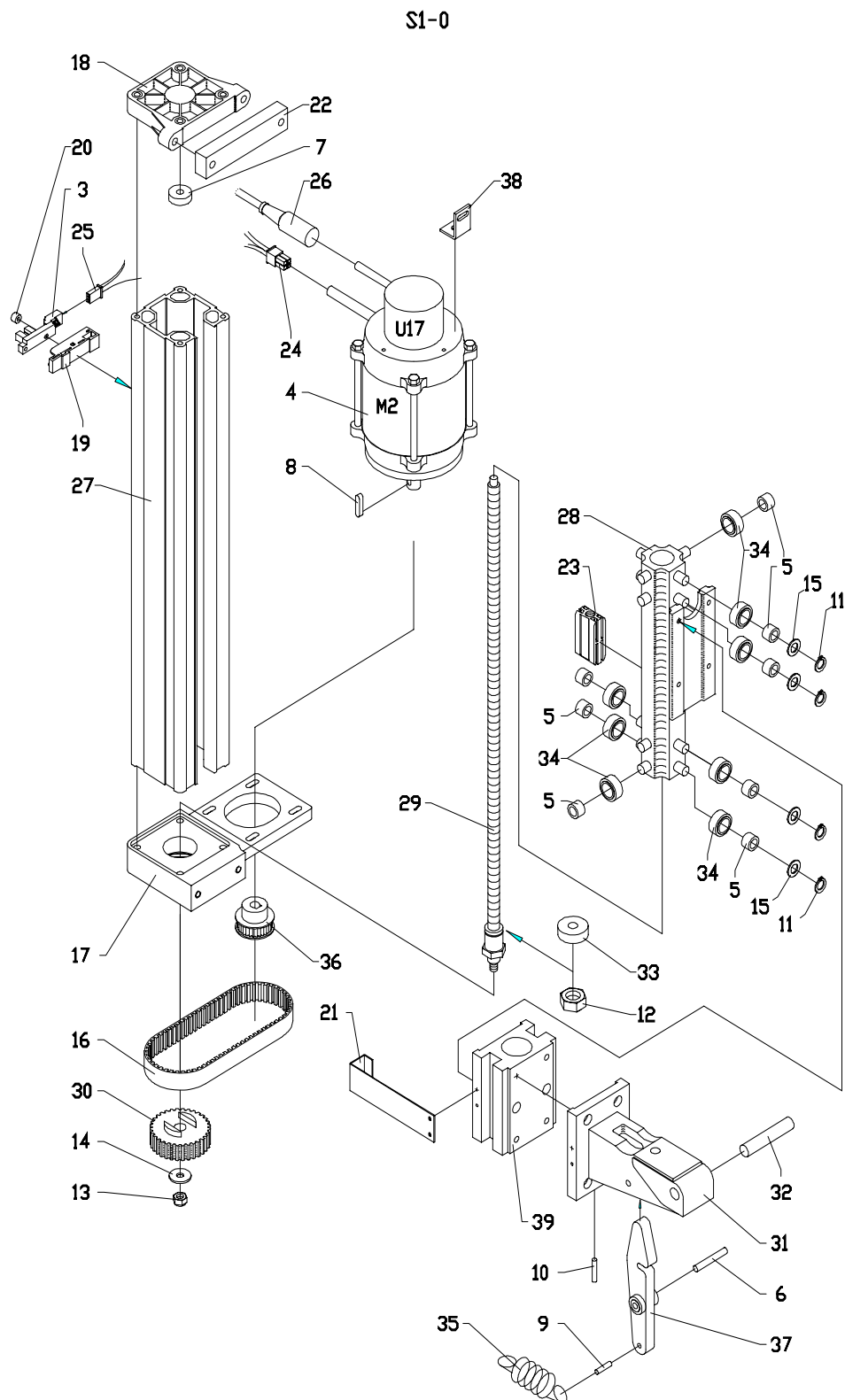


S2-0

Lifter

1	82703100A	Dowel Pin, 5MM D X 36MM L
2	83156200A	Roll Pin, HVY, DIN 1481-5MMX36MM L
3	82705900A	Spring Hook, DIN 1469C-3MM D X 30MM
4	82753900A	Package Supt Pivot Pin
5	82754000A	Package Supt Spring Hook
6	82754100A	Spring, L0=30.5 L1=61.4 K=0.93N/MM
7	82765800A	Spring Retainer
8	82754700A	Spring, L0=36.4 L1=52.8 K=0.39N/MM
9	A82753600A	Support - Center Package
10	82753700A	Support - Long
11	82753800A	Support - Short
12	83105500A	Lifter arm-pivot
13	83135200A	Lifter body and catch hook
14	83135300A	Lifter alignment pin
15	83235100A	Lifter support shaft
16	83135400A	Latch and stopper for mobile lifters
17	83135500A	Mobile lifter release lever
18	83135600A	Lifter package blocker
19	83135700A	Fixed lifter arm
20	82703200A	Dowel Pin, 5MM D X 40MM L
21	82710600A	Fender Washer, SS, DIN 9021B - M6
22	82704200A	Ball Bearing, 6MM ID X 19MM OD X 6MM
23	82709700A	Washer, SS, DIN 125A - M6
24	83235400A	Bearing Support - Lifter

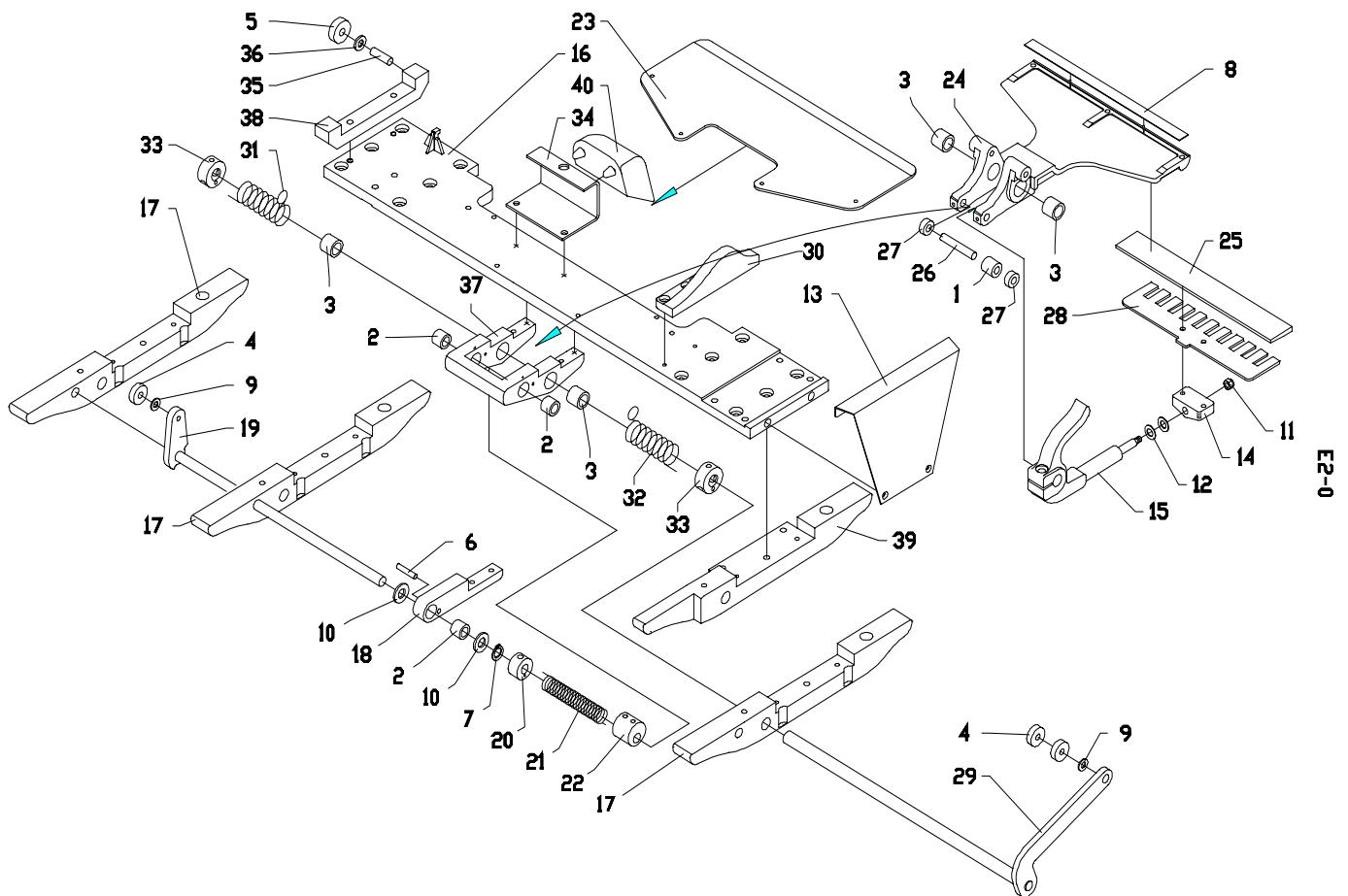
Lifter Actuator



Lifter Actuator

3	82700500A	Photo Interrupt Sensor
4	83084200A	Motor Brushless 0.8 Nm 9000 RPM
5	83085400A	Roller bearing HK0808
6	82703100A	Dowel Pin, 5MM D X 36MM L
7	82704200A	Ball Bearing, 6MM ID X 19MM OD X 6MM
8	83087300A	Feather key 4x4x20 DIN 6885A
9	82706100A	Spring Hook, DIN 1469C-4MM D X 16MM
10	82706200A	Spring Hook, DIN 1469C-4MM D X 20MM
11	82707900A	Grip Ring, External, DIN 471-8MM ID
12	83089500A	Hex Jam Nut M12 Stainless DIN 439B
13	82709200A	Self-Locking Nut, SS, DIN 985 - M6
14	82710600A	Fender Washer, SS, DIN 9021B - M6
15	82711300A	Shim Washer, DIN 988;8 IDX14 ODX.5MM
16	83097100A	Belt 5x16 Z=59
17	82939100A	Lifter Motor Mount-Plastic
18	82752700A	Supt, Screw Tail
19	82752900A	Adjustable Sensor Mount
20	83119900A	Rubber Spacer for Sensor Screw
21	82753200A	Sensor Flag - Lifter
22	82755800A	Screw Support Spacer
23	83105600A	Linear actuator bearing right hand thread
24	83231100A	Power Harness Assembly
25	83220900A	Cable Assembly and Infeed/Exit Signal Box
26	83127100A	Extension for encoder cable
27	83234800A	Lifter linear actuator case
28	83134700A	Lifter carriage assembly
29	83234900A	Lifter lead screw assembly
30	83134900A	Linear actuator pulley
31	83135000A	Lifter release lever support
32	83135100A	Lifter catch pin
33	83135900A	Spacer for lead screw
34	83136000A	Linear actuator roller
35	83136100A	Lifter release lever spring
36	83136300A	Motor pulley
37	83136200A	Lifter release lever
38	83162600A	Lifter Motor Support Bracket
39	83235000A	Lifter Support Spacer

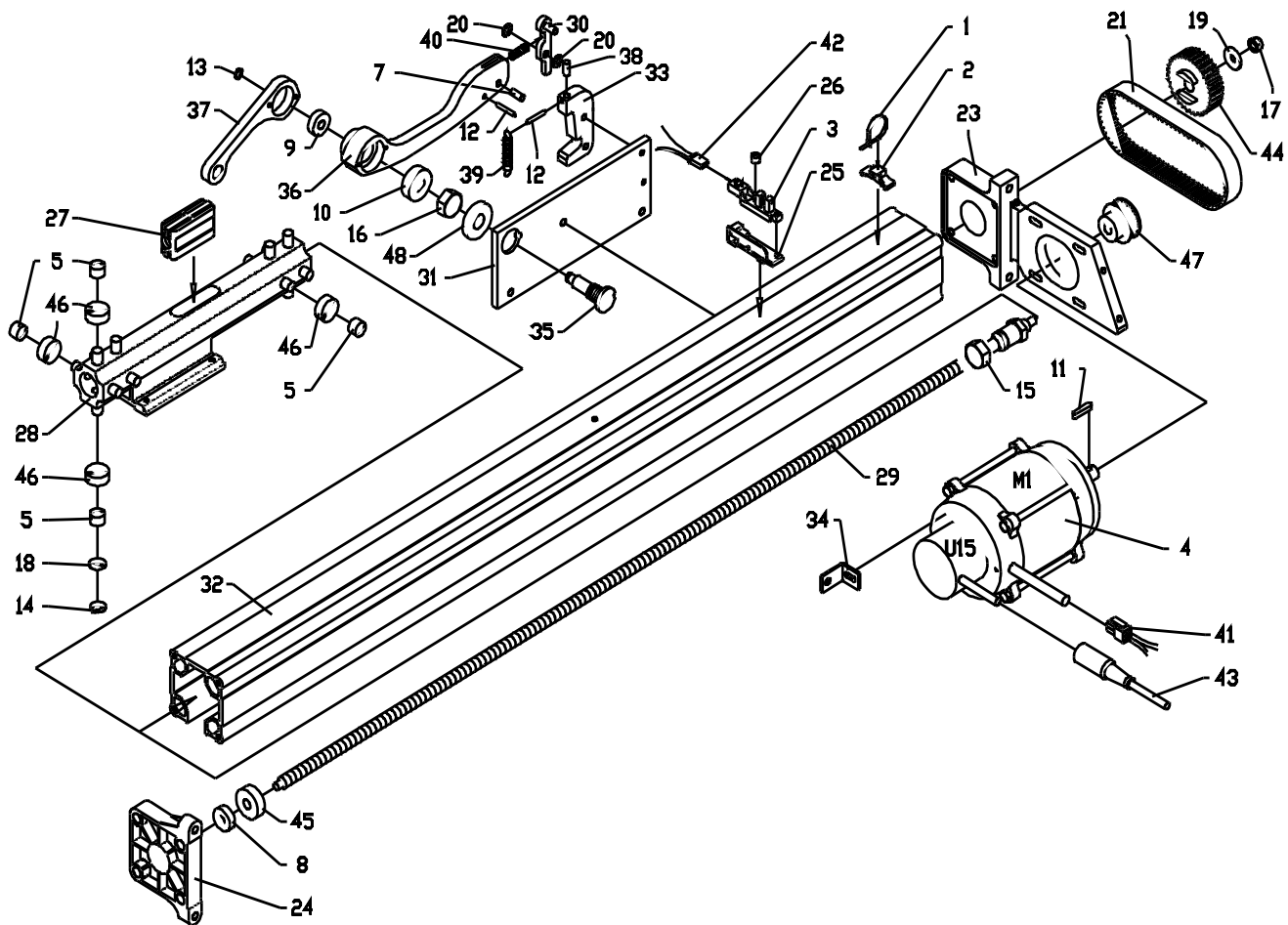
Center Clamp



Center Clamp

1	83085200A	Bearing NK 6-12 TN
2	83085300A	Roller Bearing HK0810
3	82701900A	Roller Bearing, 10MM ID X 14MM OD X 12
4	82704000A	Ball Bearing, 5MM ID X 16MM OD X 5MM
5	82704200A	Ball Bearing, 6MM ID X 19MM OD X 6MM
6	83088100A	Grooved Pin D4x20 Stainless DIN 1471
7	82707900A	Grip Ring, External, DIN 471-8MM ID
8	83120000A	Spacer Strip for top Film Grabber
9	82709600A	Washer, SS, DIN 125A - M5
10	82709800A	Washer, SS, DIN 125A - M8
11	82709000A	Self-Locking Nut, SS, DIN 985 - M4
12	82721800A	Belleville Spring, DIN 2093B 6.2X12
13	82733000A	Sensor Flag - Center Clamp
14	82733700A	Gripper Rocker Bearing - Center Clamp
15	83104200A	Center clamp film release lever
16	83228100A	Center clamp body
17	83117000A	Center clamp ski
18	83117100A	Support arm for film grabber raise/lower lever
19	83228800A	Raise/lower lever for film grabber
20	83117300A	Locking collar for torsion spring - raise/lower lever
21	83117400A	Torsion spring for raise/lower lever
22	83117500A	Cam for film grabber raise/lower
23	83228400A	Under Fold Plate
24	83119800A	Center clamp-film grabber-top
25	83117700A	Pad for film grabber
26	83085800A	Dowel pin d6x39.8
27	83117800A	Delrin spacer
28	83228700A	Film grabber clamp comb
29	83228600A	Film grabber lever
30	83118100A	Film grabber cam
31	83118400A	Torsion spring for film grabber clamp - rear
32	83118500A	Torsion spring for film grabber clamp - front
33	83118900A	Set collar for film grabber clamp torsion springs
34	83229200A	Pusher - Center Clamp
35	82703400A	Dowel Pin, 6MM D X 20MM L
36	82709700A	Washer, SS, DIN 125A - M6
37	83228200A	Eccentric Support - Center Clamp
38	83228300A	Bearing Support Block
39	83228500A	Center clamp ski - infeed end
40	83237100A	Pusher Pad

Center Clamp Actuator

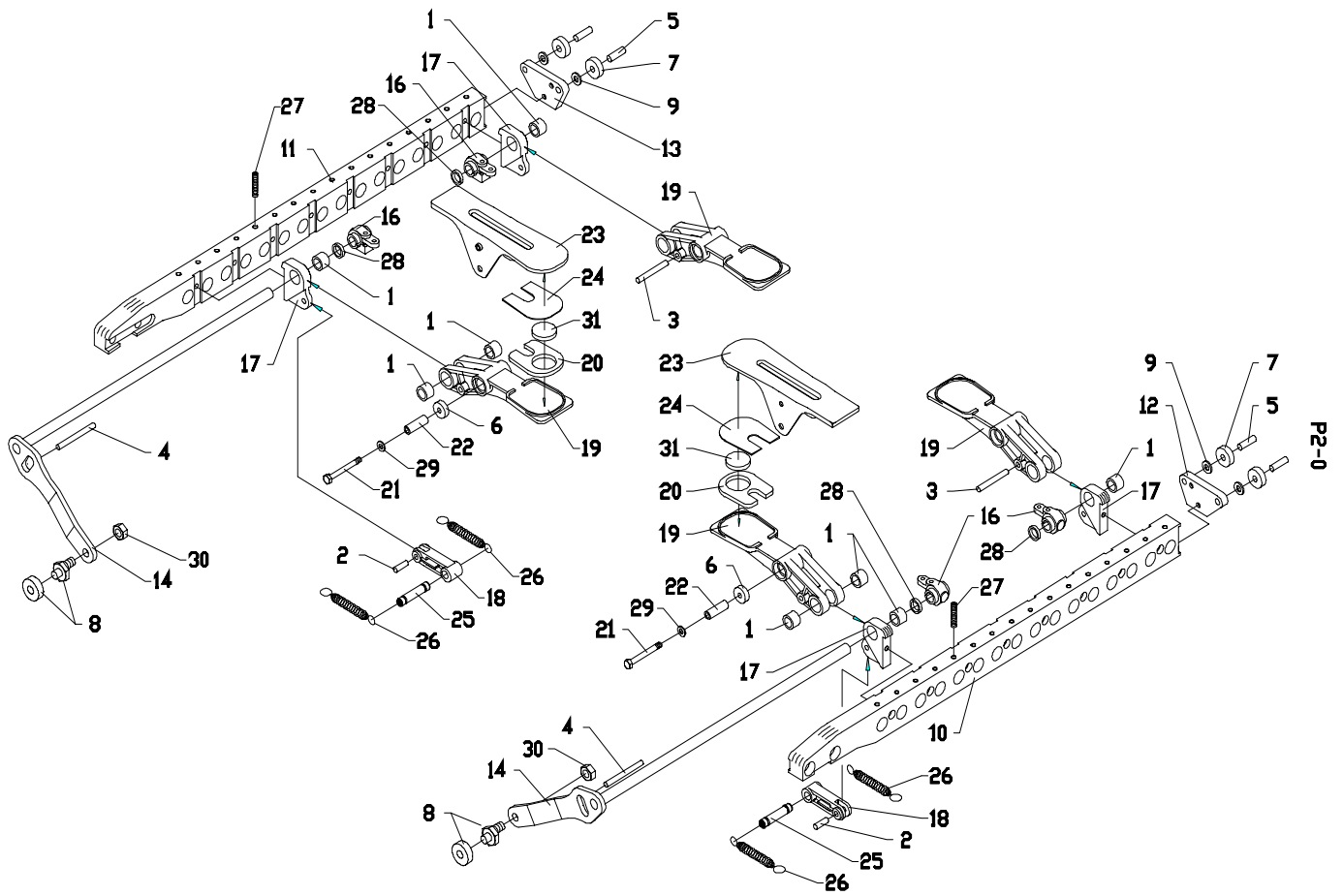


E1-0

Center Clamp Actuator

1	A80655500A	Cable Tie
2	83104400A	Snap on Wire Tie Anchor
3	82700500A	Photo Interrupt Sensor
4	83084200A	Motor Brushless 0.8 Nm 9000 RPM
5	83085400A	Roller bearing HK0808
7	83085700A	Dowel pin, 5x11.8
8	82704200A	Ball Bearing, 6MM ID X 19MM OD X 6MM
9	83086100A	Bearing 607-2RS
10	82704500A	Ball Bearing, 10MM ID X 26MM OD X 8MM
11	83087300A	Feather key 4x4x20 DIN 6885A
12	82705800A	Spring Hook, DIN 1469C-3MM D X 20MM
13	83088300A	Snap Ring, External, DIN 471-7MM ID
14	82707900A	Grip Ring, External, DIN 471-8MM ID
15	83089500A	Hex Jam Nut M12 Stainless DIN 439B
16	83089600A	Hex Jam Nut M12x1.5 Stainless DIN 439B
17	82709200A	Self-Locking Nut, SS, DIN 985 - M6
18	82711300A	Shim Washer, DIN 988;8 IDX14 ODX.5MM
19	82710600A	Fender Washer, SS, DIN 9021B - M6
20	83091500A	Shim washer d5x10x.5 DIN 988
21	83097000A	Belt 5x16 Z=61
23	82938900A	Center Clamp Motor Mount-Plastic
24	83229100A	Supt, Screw Tail
25	82752900A	Adjustable Sensor Mount
26	83119900A	Rubber Spacer for Sensor Screw
27	83105600A	Linear actuator bearing right hand thread
28	83116600A	Center clamp carriage assembly
29	83228000A	Lead screw assembly
30	83116800A	Locking lever for film grabber control lever
31	83118700A	Support plate for film grabber control lever
32	83227900A	Center clamp linear actuator case
33	83119000A	Latch for locking film grabber control lever
34	83160500A	Center Clamp Motor Support Bracket
35	83119100A	Fulcrum pin for film grabber control lever
36	83119200A	Cam on film grabber control lever
37	83119300A	Film grabber control lever
38	83119400A	Shock absorber for locking lever
39	83119500A	Spring for film grabber control lever
40	83119600A	Spring for locking lever
41	83228000A	Lead screw assembly
42	83220900A	Cable Assembly and Infeed/Exit Signal Box
43	83127100A	Extension for encoder cable
44	83134900A	Linear actuator pulley
45	83135900A	Spacer for lead screw
46	83136000A	Linear actuator roller
47	83136300A	Motor pulley
48	83137200A	Washer D12x4

Side Clamps

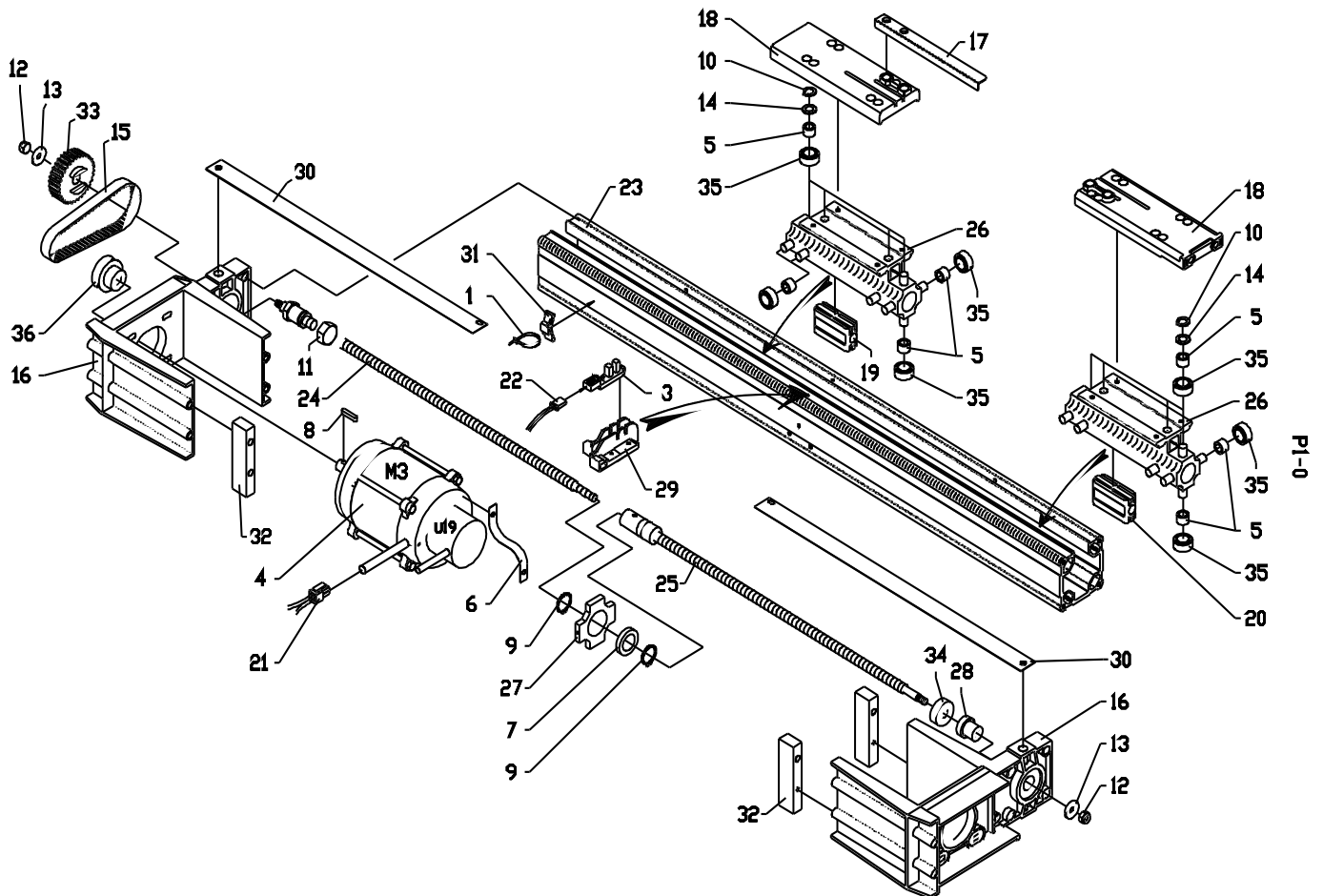


P2-0

Side Clamps

1	82701800A	Roller Bearing, 10MM ID X 14MM OD X 10
2	82702800A	Dowel Pin, 5MM D X 16MM L
3	82703200A	Dowel Pin, 5MM D X 40MM L
4	82703300A	Dowel Pin, 5MM D X 50MM L
5	82703400A	Dowel Pin, 6MM D X 20MM L
6	82704000A	Roller Bearing, 5MM ID X 16MM OD X 5MM
7	82704200A	Roller Bearing, 6MM ID X 19MM OD X 6MM
8	83246000A	Eccentric Assembly (Max)
9	82709700A	Washer, SS, DIN 125A - M6
10	82837500A	Side Clamp Frame-Front
11	82837700A	Side Clamp Frame-Rear
12	83233700A	Side clamp roller support bracket - front
13	83233800A	Side clamp roller support bracket - rear
14	82837600A	Side Clamp Lever
16	83105100A	Rod clamp
17	82750800A	Jaw Support - Side Clamp
18	82750900A	Lower Link - Side Clamp Jaw
19	82751000A	Lower Jaw - Side Clamp
20	83133300A	Side clamp lower jaw pad
21	83105000A	Jaw pin for side clamps
22	82751300A	Bearing Spacer - Side Clamp Jaw
23	83133500A	Side clamp upper jaw
24	82751500A	Side Clamp Pad - Upper Jaw
25	82751600A	Lower Pivot Pin - Side Clamp
26	82751700A	Spring, LO=69 L1=81.5 K=7.20N/MM
27	82751800A	Spring Hook
28	82838000A	Spacer 10.5 X 14 X 3 MM
29	82709600A	Washer, SS, DIN 125A - M5
30	82708100A	Hex Jam Nut, SS, DIN 439 B - M8
31	83133400A	Side clamp lower jaw disk

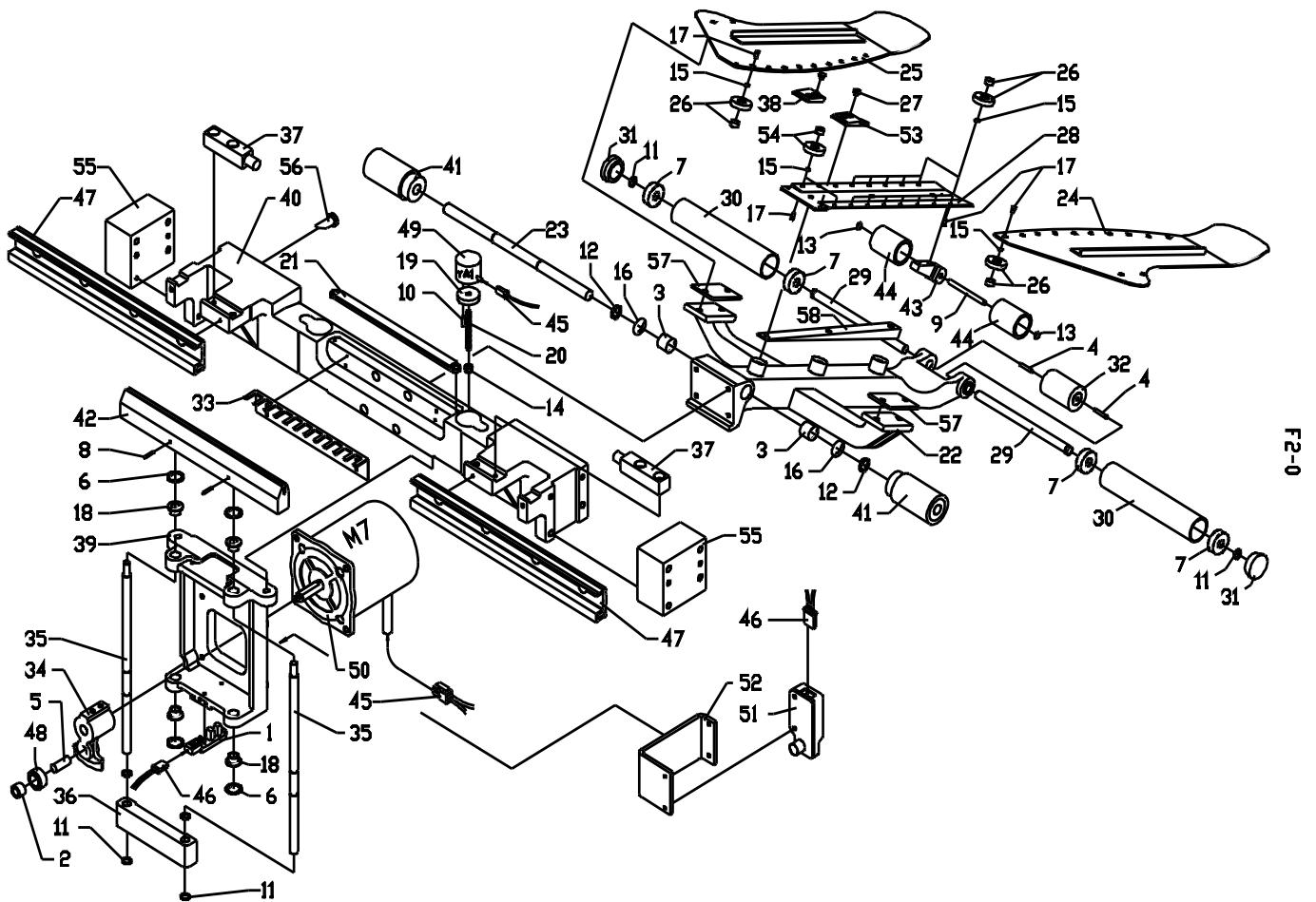
Side Clamp Actuator



Side Clamp Actuator

1	A80655500A	Cable Tie
3	82700500A	Photo Interrupt Sensor
4	83084200A	Motor Brushless 0.8 Nm 9000 RPM
5	83085400A	Roller bearing HK0808
6	82742000A	Ground Strap
7	83086700A	Bearing 61803-2RS
8	83087300A	Feather key 4x4x20 DIN 6885A
9	83088500A	Snap Ring, External, DIN 471-17MM ID
10	82707900A	Grip Ring, External, DIN 471-8MM ID
11	83089500A	Hex Jam Nut M12 Stainless DIN 439B
12	82709200A	Self-Locking Nut, SS, DIN 985 - M6
13	82710600A	Fender Washer, SS, DIN 9021B - M6
14	82711300A	Shim Washer, DIN 988;8 IDX14 ODX.5MM
15	83097200A	Belt 5x16 Z=66
16	82939000A	Side Clamp Motor Mount-Plastic
17	83104800A	Side clamp flag
18	83104900A	Slide block for side clamps
19	83105600A	Linear actuator bearing right hand thread
20	83105700A	Linear actuator bearing left hand thread
21	83231100A	Power Harness Assembly
22	83220900A	Cable Assembly and Infeed/Exit Signal Box
23	83233200A	Side clamp linear actuator case
24	83233300A	Side clamp lead screw assembly
25	83233400A	Side clamp lead screw assembly left hand threads
26	83132500A	Side clamp carriage assembly
27	83132600A	Side clamp lead screw joint support
28	83133800A	Bushing for lead screw in side clamp actuator
29	83132700A	Side clamp sensor support
30	83233600A	Cover for side clamp linear actuator case
31	83104400A	Snap on Wire Tie Anchor
32	83233500A	Spacer - Side Clamp Motor Mount
33	83134900A	Linear actuator pulley
34	83135900A	Spacer for lead screw
35	83136000A	Linear actuator roller
36	83136300A	Motor pulley

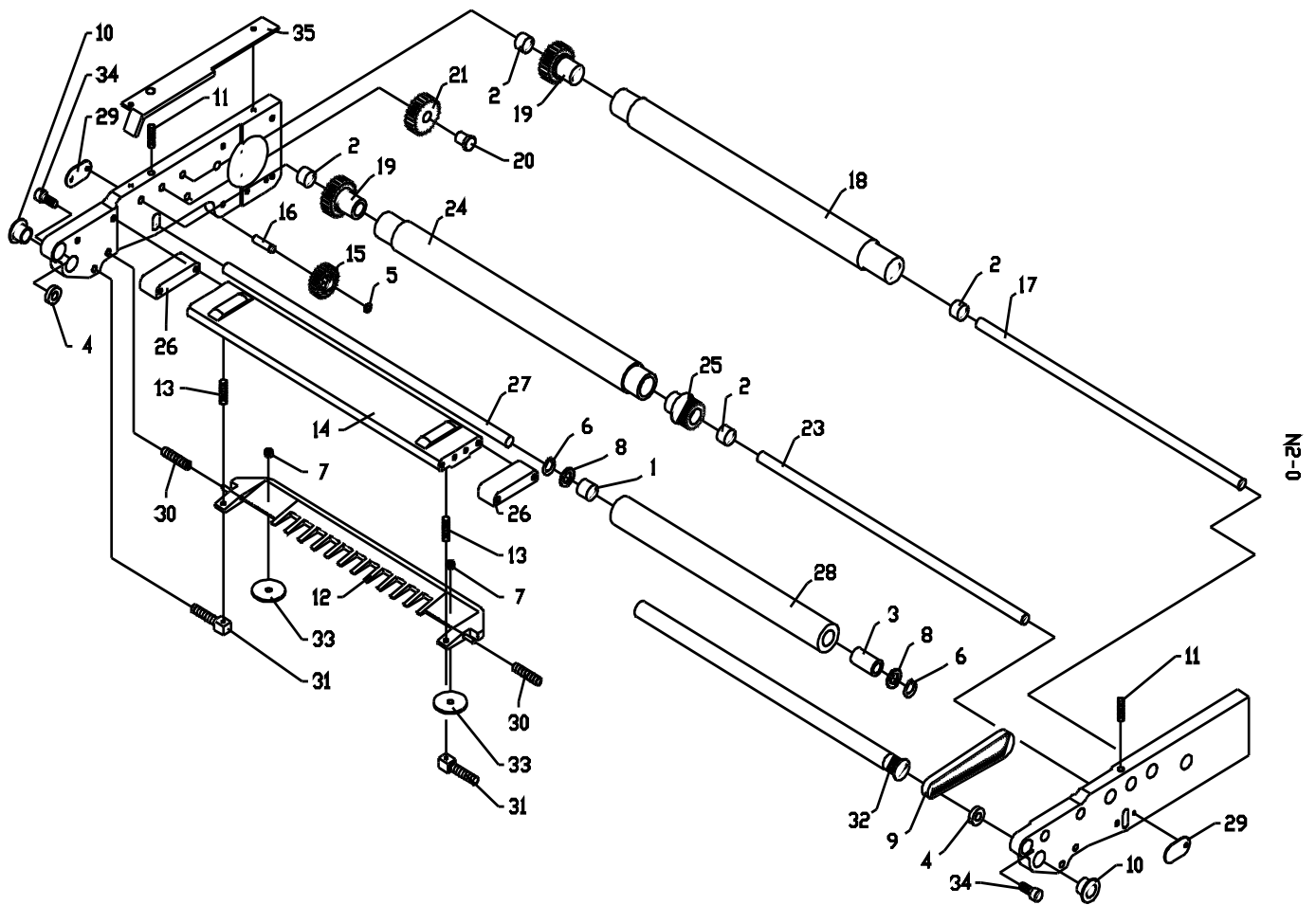
Film Folders, Distributor, & Clamp



Film Folders, Distributor, & Clamp

1	82700500A	Photo Interrupt Sensor
2	83085400A	Roller bearing HK0808
3	82701800A	Roller BRG, 10MM ID X 14MM OD X 10
4	82702400A	Dowel Pin, 3MM D X 16MM L
5	82703600A	Dowel Pin, 8MM D X 20MM L
6	83088700A	Snap Ring, Internal DIN 472-16MM OD
7	83086200A	Bearing 608-Z
8	83087600A	Spiral Pin d2x12 DIN 7343
9	83088000A	Dowel Pin d4x50 Stain DIN 1446B/ISO 2338B
10	82705300A	Spiral Pin, SS, ISO 8750-3MM D X 10
11	82706900A	Snap Ring, External, DIN 471-8MM ID
12	82707000A	Snap Ring, External, DIN 471-10MM ID
13	83089200A	Grip Ring d4 SP 220
14	82709000A	Self-Locking Nut, SS, DIN 985 - M4
15	82709400A	Washer, SS, DIN 125A - M3
16	83091600A	Shim washer d10x16x.5 DIN 988
17	83096500A	Rivet d 3x7.5 Al
18	83097700A	Iglide Flange Bearing, 8MM IDX10MM ODX7.5MM
19	82729600A	Electromagnet Pad
20	82729700A	Rod, Electromagnet Adjustment
21	83104100A	Distributor Clamp Pad
22	83123200A	Film folder support
23	83121200A	Upper roller shaft for film folder
24	83123700A	Film folder plate - front
25	83123800A	Film folder plate - back
26	83124400A	Film Folder Wheel
27	83121300A	Threaded bushing for film folder
28	83229700A	Film folder center wheel holder
29	83230100A	Shaft for lower film folder rollers
30	83230200A	Lower film roller for film folder
31	83121600A	End cap for lower film rollers on film folder
32	83121700A	Middle lower film roller on film folder
33	83121800A	Lower Distributor comb
34	83121900A	Cam for film cutter
35	83122000A	Film cutter shaft
36	83122100A	Film cutter follower
37	83229900A	Hinge pin for sealing belt
38	83125600A	Guide after rollers on film folder-back
39	83123300A	Film cutter motor support
40	83123100A	Distributor cross bar
41	83122600A	Lower film pressure roller
42	83122700A	Film cutter channel
43	83122800A	Support for middle film rollers on film folder
44	83230000A	Middle roller for film folder
45	83231100A	Power Harness Assembly
46	83220900A	Cable Assembly and Infeed/Exit Signal Box
47	83233900A	Side clamp track
48	83136000A	Linear actuator roller
49	82756900A	Electromagnet Assembly
50	83137500A	Stepper motor 4.4 Nm
51	83141300A	Photo Eye Receiver - SW Controlled
52	83230300A	Support for lifter photoeye receiver
53	83125700A	Guide after rollers on film folder-front
54	83124800A	Film folder wheel - recessed
55	83229800A	Spacer - Distributor Support
56	83162500A	Bushing for Thermister
57	83222300A	Spacer for Side Film Folders
58	83230900A	Spacer for Center Film Folder

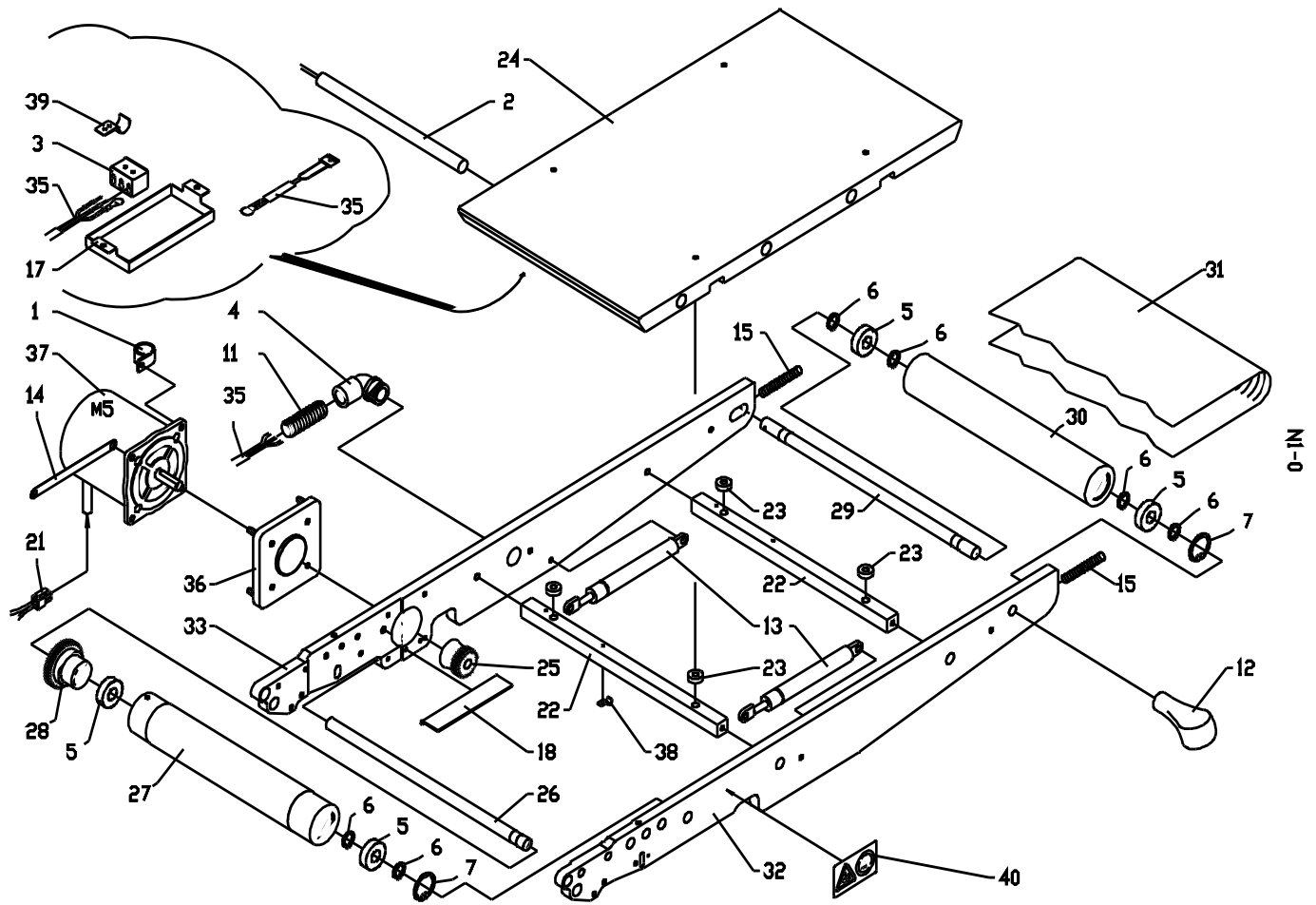
Package Drive Rollers & Upper Distributor



Package Drive Rollers & Upper Distributor

1	83085300A	Roller bearing HK0810
2	83085400A	Roller bearing HK0808
3	83085500A	One Way Roller bearing HFL0822
4	83086000A	Bearing 618-6
5	82706700A	Snap Ring, External, DIN 471-5MM ID
6	82707900A	Grip Ring, External, DIN 471-8MM ID
7	83090400A	Hex Lock Nut M3 Stainless DIN 985
8	82711400A	SHIM WASHER, DIN 988;8 IDX14 ODX1MM
9	83096900A	Belt 2.5x10 Z=92
10	82721400A	Iglide Flange Bearing, 10MM IDX12MM ODX9
11	82746600A	Spring, LO=19 L1=8.89 K=0.82N/MM
12	82746800A	Film Retainer, Distributor
13	82747500A	Spring, LO=25.25 L1=12.1 K=0.64N/MM
14	83131800A	Cutter Blade and Mount
15	82747700A	Idler Gear, 22 Teeth
16	83129800A	Pin for gear on sealing belt
17	83232200A	Shaft for right and middle open rollers
18	83232300A	Right open roller on sealing belt
19	83130000A	Gear for outer sealing belt rollers
20	83236900A	Idler hub
21	83237000A	Idler Gear
23	83232500A	Shaft for left open roller on sealing belt
24	83232600A	Left open roller on sealing belt
25	83130500A	Pulley for left open roller on sealing belt
26	83232700A	Spacer for knife mount
27	83232800A	Shaft for film pressure roller
28	83131300A	Film pressure roller
29	83130800A	Cover for film pressure roller shaft hole
30	83232900A	Set screw for upper distributor comb pivot
31	83233000A	Stud for upper distributor comb stopper
32	83233100A	Film drive roller
33	83131200A	Washer on upper distributor comb for magnet
34	83132100A	M6x13 Socket Head Capscrew with 1 mm shoulder
35	83132200A	Sealing belt gear protector

Sealing Belt

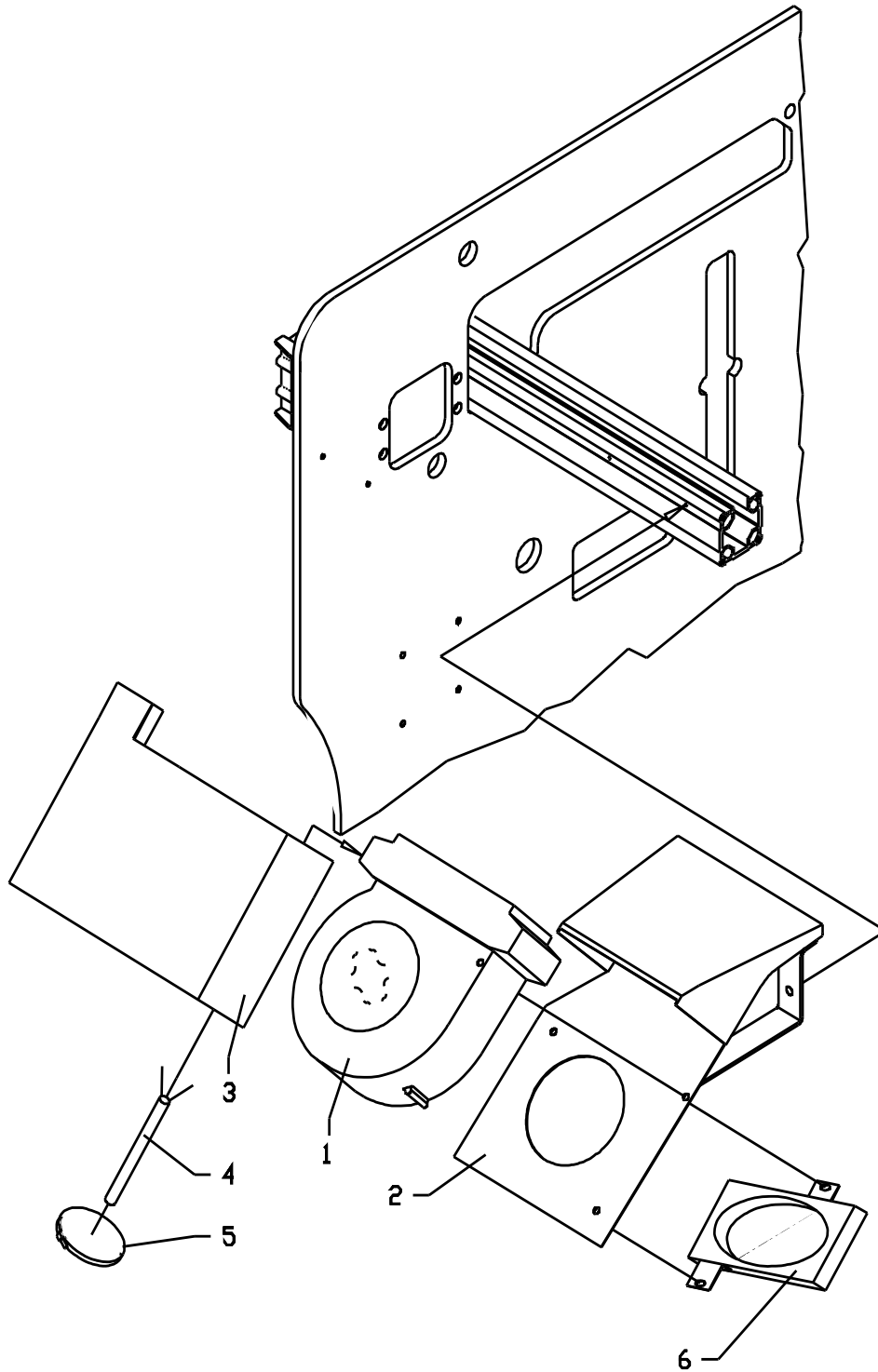


Sealing Belt

1	82700900A	Cable Clamp, 16MM ID
2	83131900A	Sealing Belt Heaters
3	83084300A	Terminal Block
4	83084800A	Cable fitting 90°
5	83085900A	Bearing 6001-2Z C3-AT
6	83088400A	Snap Ring, External, DIN 471-12MM ID
7	83088900A	Snap Ring, Internal DIN 472-28MM OD
11	83207100A	Flexible cable conduit
12	83097400A	Sealing Belt Handle
13	83099200A	Pneumatic damper d15, stroke:80 F:250N
14	82742000A	Ground Strap
15	82744900A	Spring L0=54.5 L1=22.2 K=1.56N/MM
17	83105800A	Terminal cover guard
18	83114200A	Sealing belt gear protection plate
21	83231100A	Power Harness Assembly
22	83231500A	Sealing belt frame cross bar
23	83128900A	Washer for sealing belt cross bar
24	83231600A	Sealing plate
25	83129100A	Sealing belt pinion
26	83231700A	Sealing belt drive shaft
27	83231800A	Sealing belt drive roller
28	83129400A	Sealing belt roller gear
29	83231900A	Sealing belt free shaft
30	83232000A	Sealing belt free roller
31	83232100A	Sealing belt
32	83131400A	Side frame for sealing belt - front
33	83131500A	Side frame for sealing belt - back
35	83132000A	Sealing belt wire assembly
36	82756300A	Isolator - Motor Mount
37	83137500A	Stepper motor 4.4 Nm
38	83085000A	Metal Wire Mounting Clamp d6
39	83085100A	Metal Wire Mounting Clamp d14
40	83058900A	Decal-Hands Warning

Heater Blower

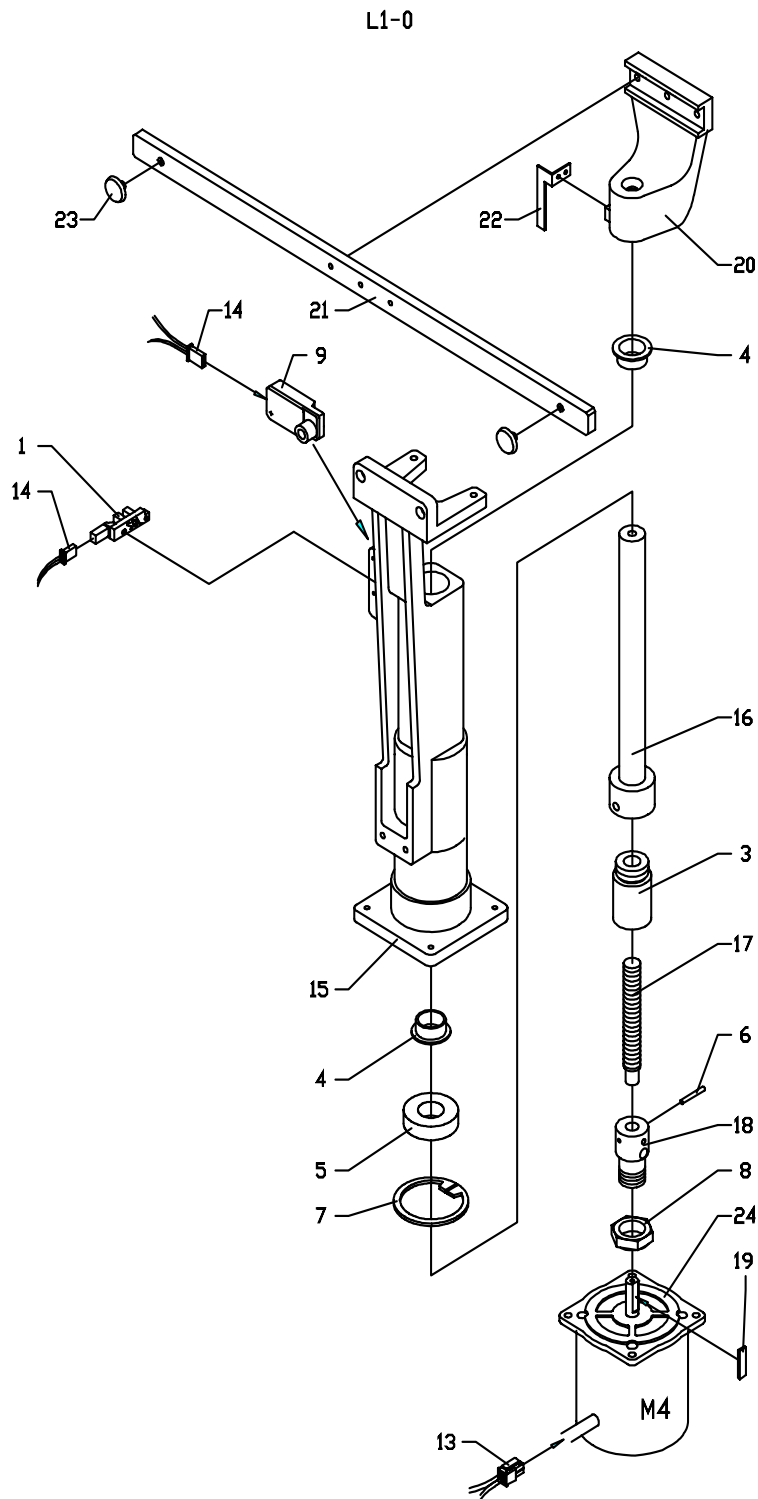
T1-0



Heater Blower

1	83099400A	Fan heater kit
2	83151700A	Heater/Blower Nozzle
3	83136600A	Internal film heater cover
4	83127200A	Wire bundle for internal heater
5	81253900A	Tie Wrap, 3.6 MM X 140
6	83141700A	Heater Blower Filter

T-Bar

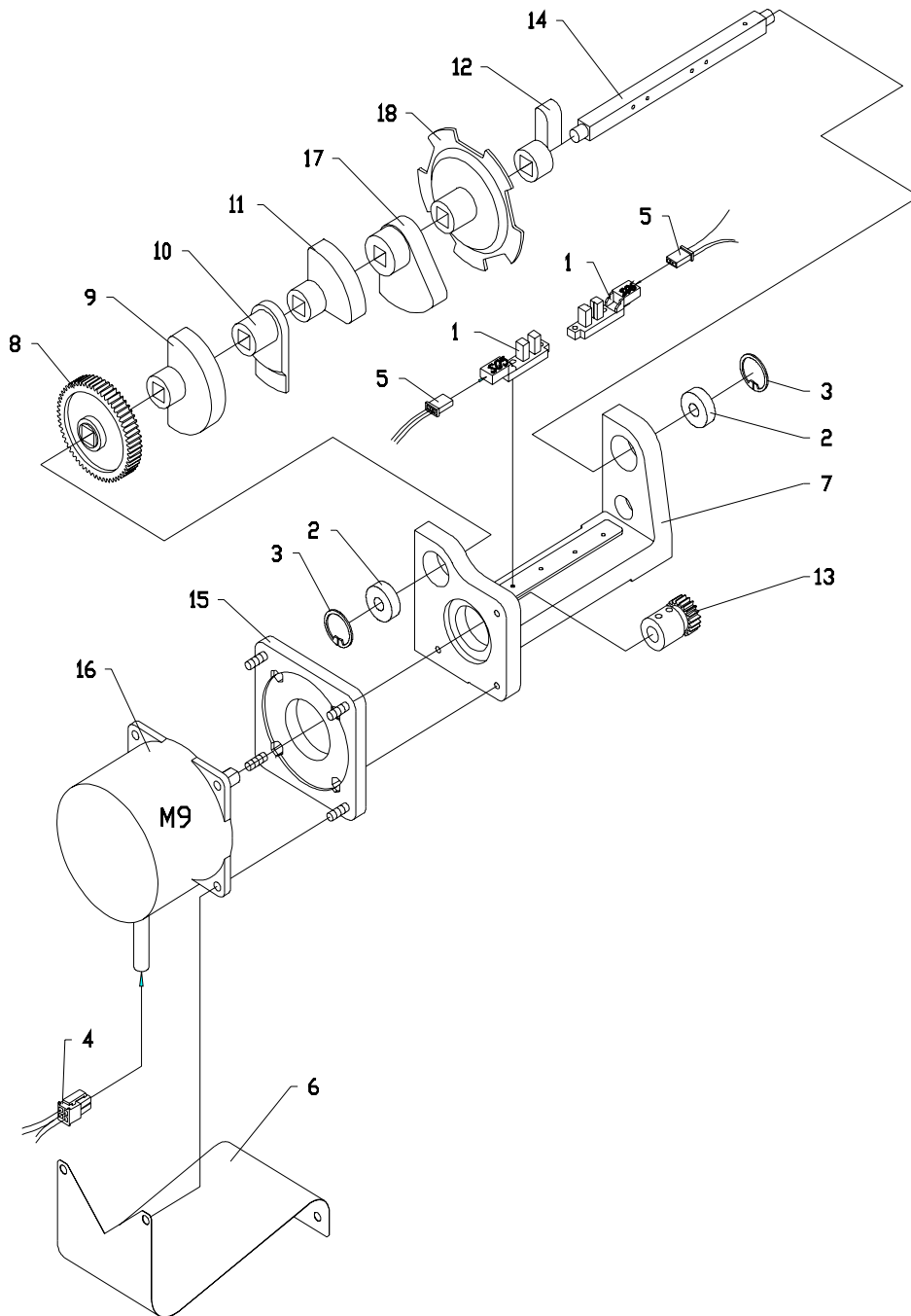


T-Bar

1	82700500A	Photo Interrupt Sensor
3	83085600A	Ball Nut
4	83097800A	Iglide Flange Bearing, 20MM IDX23MM ODX11.5MM
5	83086900A	Bearing 6204-2RS
6	83087700A	Spiral Pin d3x24 DIN 7343
7	83089100A	Snap Ring, Internal DIN 472-47MM OD
8	83089300A	Lock Nut for T-bar M20x1
9	83141200A	Photo Eye Transmitter - SW Controlled
13	83231100A	Power Harness Assembly
14	83220900A	Cable Assembly and Infeed/Exit Signal Box
15	83128700A	T-bar actuator housing
16	83128300A	Plunger for T-bar
17	83128600A	Lead screw for T-bar
18	83128500A	Coupler - motor to lead screw for T-bar
19	83127900A	Feather key for T-bar
20	83128000A	Support arm for T-bar
21	83128100A	T-bar
22	83128200A	Flag for T-bar sensor
23	83128400A	Plastic glide for T-bar
24	83137500A	Stepper motor 4.4 Nm

Lifter Control Cam

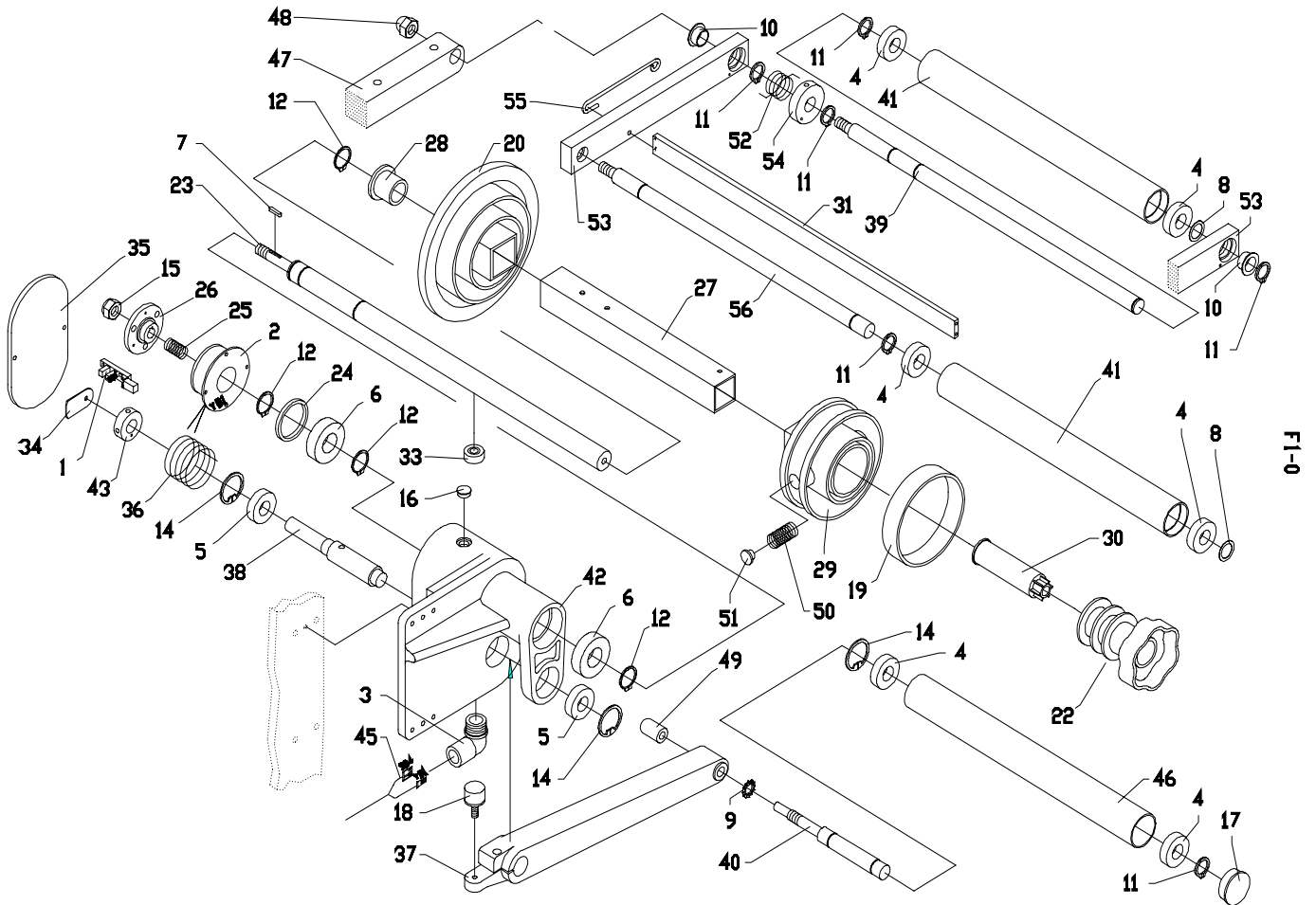
S3-0



Lifter Control Cam

1	82700500A	Photo Interrupt Sensor
2	82704300A	Ball Bearing, 8MM ID X 22MM OD X 7MM
3	83088800A	Snap Ring, Internal DIN 472-22MM OD
4	83231100A	Power Harness Assembly
5	83220900A	Cable Assembly and Infeed/Exit Signal Box
6	83126000A	Ground ribbon for lifter cam motor
7	83234000A	Lifter cam support
8	83134000A	Gear for Lifter cam
9	83234200A	Cam for left most mobile lifter
10	83234300A	Flag for lifter cam sensor
11	83234400A	Cam for left-center mobile lifter
12	83234700A	Cam for right mobile lifter
13	83134500A	Pinion for lifter cam
14	83234100A	Shaft for lifter cam
15	82756300A	Isolator - Motor Mount
16	82756600A	Stepper Motor
17	83234500A	Cam for right-center mobile lifter
18	83234600A	Flag for lifter cam sensor

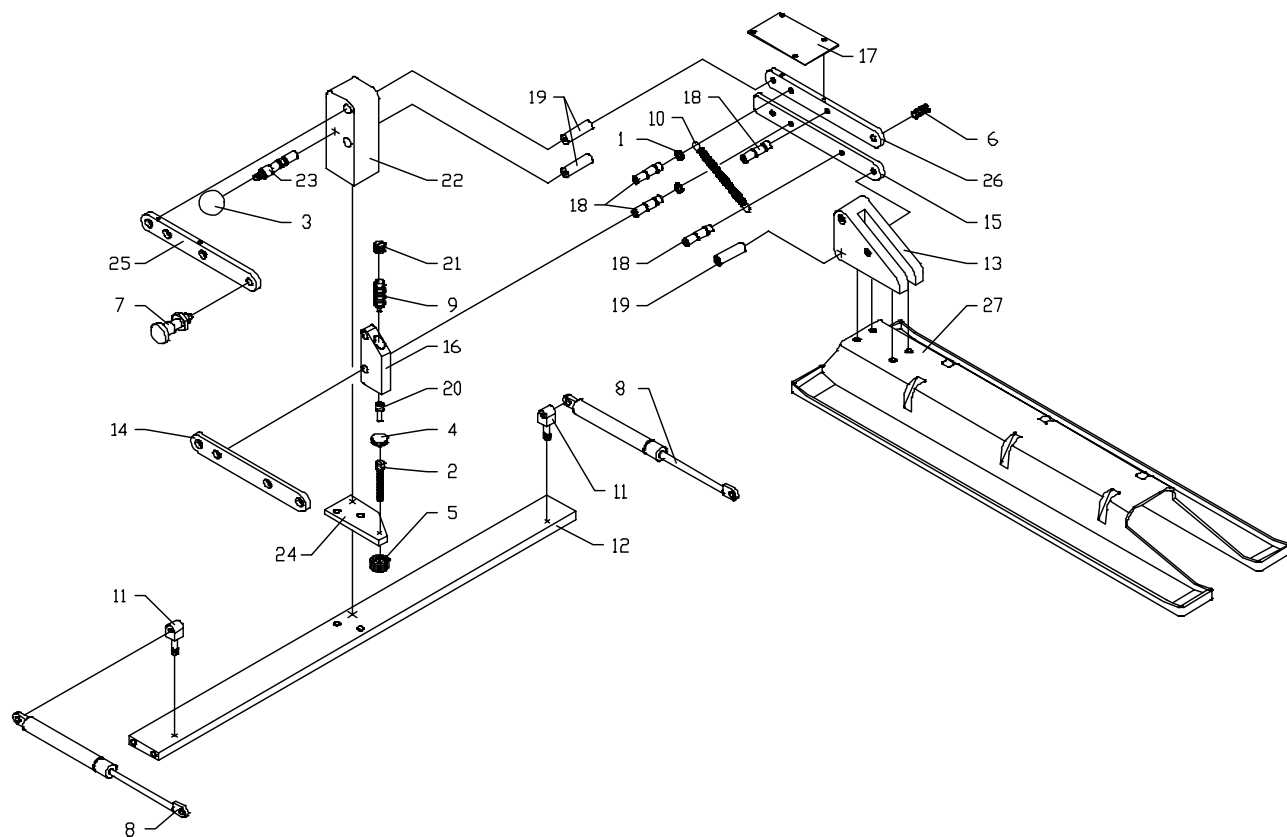
Film Reel & Film Rollers



Film Reel & Film Rollers

1	82700500A	Photo Interrupt Sensor
2	83124200A	Film reel brake electromagnet
3	83084800A	Cable fitting 90°
4	83086300A	Bearing 6002-Z
5	83086400A	Bearing 6002-2RS
6	83086800A	Bearing 6004-2RS
7	83087200A	Feather key 3x3x16 DIN 6885A
8	83245200A	Shim Washer, DIN 988; 15 IDX21 ODX0.2MM
9	83091400A	Serrated Lock Washer d10 Stainless DIN 6798A
10	83174700A	Iglide Flange Bearing, 15MM IDX17MM ODX9MM
11	82707100A	Snap Ring, External, DIN 471-15MM ID
12	82707200A	Snap Ring, External, DIN 471-20MM ID
14	83089000A	Snap Ring, Internal DIN 472-32MM OD
15	83090500A	Hex Lock Nut M10 Stainless DIN 985
16	83097900A	Hole Plug d10.5
17	83098600A	Hole Plug d32.2
18	83098900A	Rubber Foot/Bumper M6
19	82763300A	Bobbin Lock Ring
20	82763100A	Bobbin rear ref. Disk - 3" molded
22	A82739300A	Roll Grip Cam
23	83229300A	Film Roll Supply Shaft
24	83120200A	Spacer for bearing on film reel shaft
25	83124900A	Compression spring
26	83120300A	Brake disk for film reel shaft
27	83229400A	Film Reel Supply Tube
28	83160800A	Delrin Sleeve for Film Reel Supply Shaft
29	82763200A	Bobbin Locking Disk - 3" Molded
30	82763800A	Bobbin Retainer Cap
31	83230700A	Upper Dancer Bar Support Brace
33	83159300A	Plastic Washer
34	83120900A	Flag for sensor on film reel brake
35	83161300A	Cover for Film Reel Brake Housing
36	83123600A	Torsion spring for lower dancer bar
37	83122200A	Lower dancer bar arm
38	83122300A	Lower dancer bar pivot shaft
39	83230800A	Fixed film roller shaft
40	83122400A	Lower dancer bar roller shaft
41	83229500A	Fixed film roller
42	83122500A	Body for film reel brake
43	83123500A	Set collar for lower dancer bar torsion spring
45	83220900A	Cable Assembly and Infeed/Exit Signal Box
46	83229600A	Film rollers for dancer bars
47	83125500A	Film roller support arm
48	83090300A	Hex Domed Nut M10 Chrome plated DIN 1587
49	83098800A	Rod End Cap d10x25.4
50	82763000A	Compression Spring
51	82911000A	Cam Follower
52	83125000A	Torsion spring for upper dancer bar
53	83230600A	Upper dancer bar arm
54	83125300A	Locking ring for spring tension on dancer
55	83160700A	Upper Dancer Bar Stopper
56	83230500A	Upper Dancer Bar Shaft

Pressure Ski

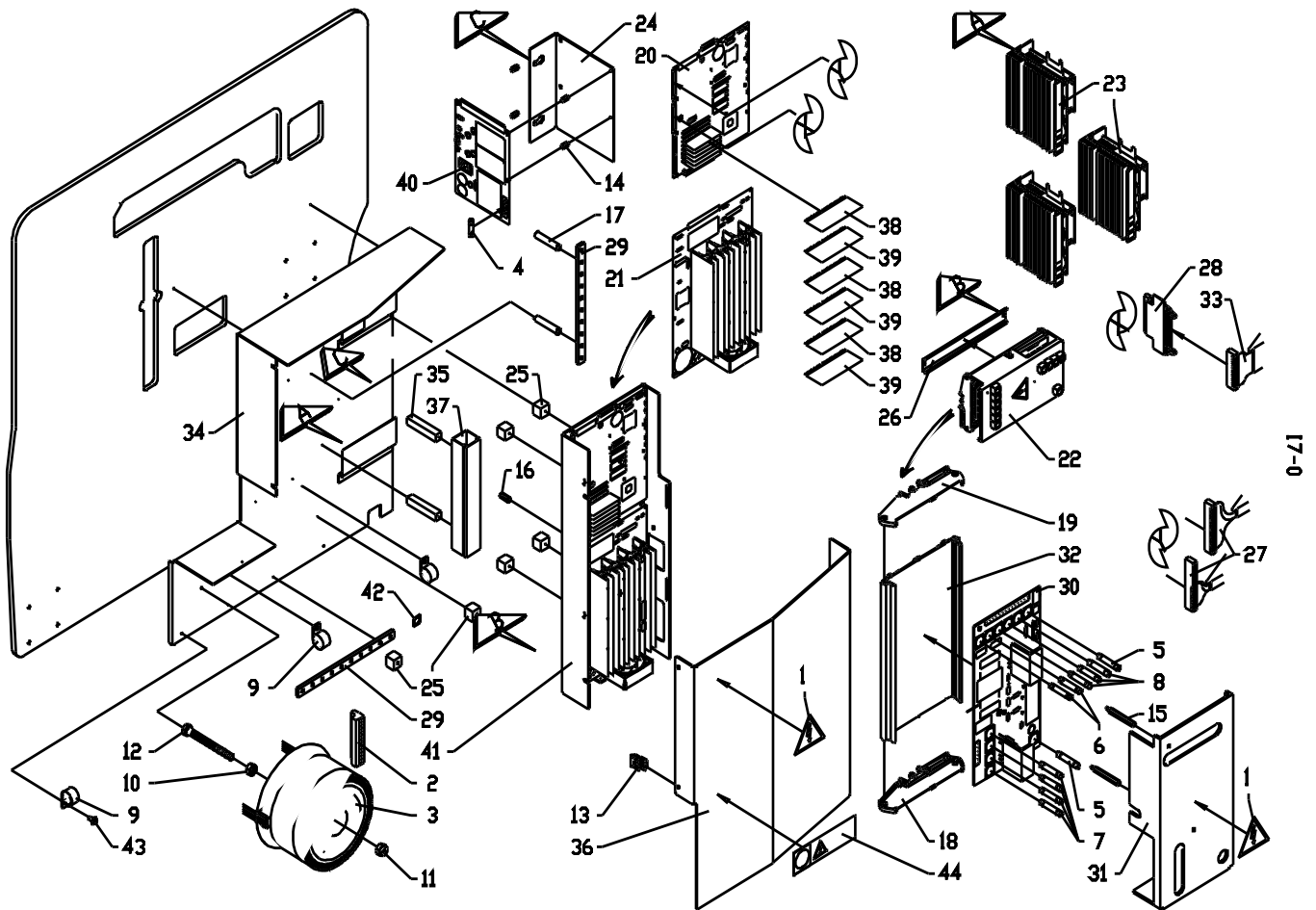


B2-0

Pressure Rollers

1	82706900A	Snap Ring, External, DIN 471-8MM ID
2	83242900A	SHCS, SS, DIN 912 - M5 X 40 MM
3	83243000A	Ball Knob
4	82720900A	Knurled Screw Cap, DELRIN-M5 SHCS
5	83243100A	Plastic Thumb Nut
6	83243200A	Ball End Set Screw
7	83243300A	Spring Loaded Release Knob
8	83243400A	Pneumatic damper d15, stroke:80 F:100N
9	83243500A	Shock Absorber
10	82725000A	SPRING, L0=53.2 L1=117.8 K=0.33N/MM
11	83111600A	Mounting pin for pneumatic dampener for top cover
12	83225700A	Support bar for pressure roller assembly
13	83243600A	Ski Support Block
14	83243700A	Lower Front Linkage
15	83243800A	Lower Rear Linkage
16	83243900A	Support for Shock Absorber
17	83244000A	Guard Plate
18	83244100A	Grooved Linkage Tie
19	83244200A	Linkage Tie
20	83244300A	Peg for Shock Absorber
21	83244400A	Short Flat Head Set Screw M10
22	83244500A	Support Block
23	83244600A	Stopper
24	83244700A	Support Plate for Height Adjustment
25	83244800A	Upper Front Linkage
26	83244900A	Upper Rear Linkage
27	83245000A	Pressure Ski

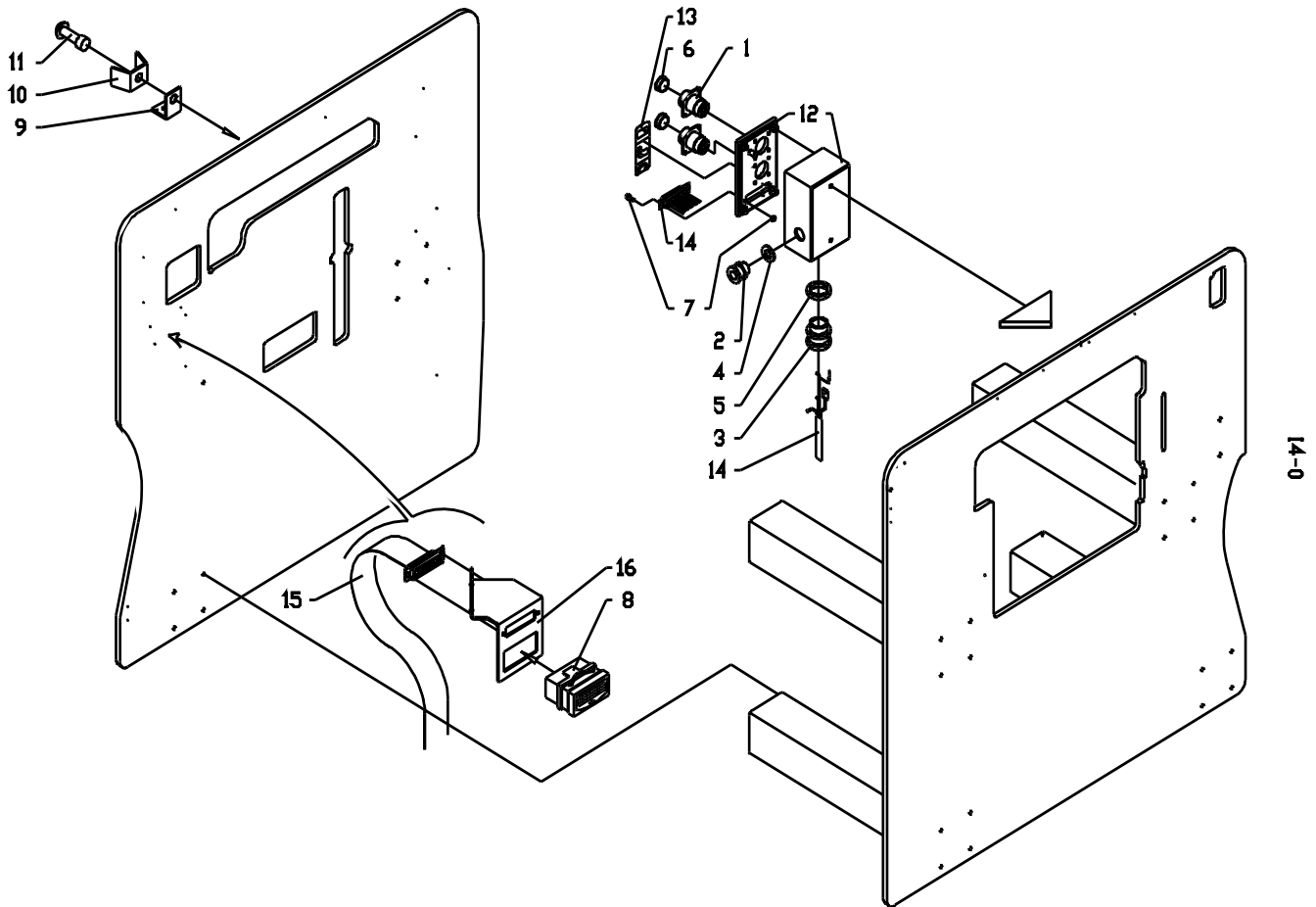
Electronics



Electronics

1	83059200A	Decal-Electrical Warning
2	83099500A	Terminal Plug 1.5/14-ST-5.08
3	83083700A	Transformer
4	83155200A	Fuse D5x20 T 800mA
5	83142300A	Fuse D6.3x32 T 2A
6	83142400A	Fuse D6.3x32 T 5A
7	83142500A	Fuse D6.3x32 T 8A
8	83142600A	Fuse D6.3x32 T 16A
9	82700900A	Cable Clamp, 16MM ID
10	82708700A	Hex Nut, SS, DIN 934 - M8
11	82709300A	Self-Locking Nut, SS, DIN 985 - M8
12	83092200A	Hex Cap Screw M8x90 Stainless DIN 933
13	82721600A	Clip On Nut, M5 X 12.3MM
14	83099600A	Spacer M3 Hole-both ends L=10 Steel 340003
15	83157300A	Spacer Threaded Hole/Stud - 5x40 - M3
16	83099800A	Spacer M4 Hole-both ends L=15 Brass 556.415
17	83099900A	Spacer M4 Hole-both ends L=40 Plastic FF01 R 4080
18	83157400A	End Cap for Fuse Board Support Housing - Right
19	83157500A	End Cap for Fuse Board Support Housing - Left
20	82722300A	Complete CPU Board Without Program
21	83142800A	Driver Board Assembly - Mega
22	83101400A	Fuse/Power I/O Board Assembly
23	83101500A	Servo Drive Board Assembly
24	83103800A	Relay Board Support Bracket
25	83104500A	Spacer for electrical rack
26	83104600A	DIN rail L=230
27	83224600A	Horizontal Photocell Cable
28	83141600A	Break Out Board For Photoeyes
29	83125800A	Ground bar
30	83140200A	Fuse/Power I/O Board
31	83161700A	Fuse Board Cover
32	83162000A	Fuse Board Support Housing
33	83220900A	Cable Assembly and Infeed/Exit Signal Box
34	83126600A	Electrical support rack
35	83126700A	Spacer for wire conduit
36	83126800A	Electrical rack cover
37	83126900A	Cable duct
38	82839300A	Hybrid Circuit-8 Input
39	82839400A	Hybrid Circuit-8 Output
40	83137300A	Relay Board
41	83236100A	Rack Assembly
42	82700100A	Ground Decal
43	82721000A	Push Rivet, Nylon, RICHCO PPR-5080
44	83137100A	Residual Voltage Decal

Interface Connectors

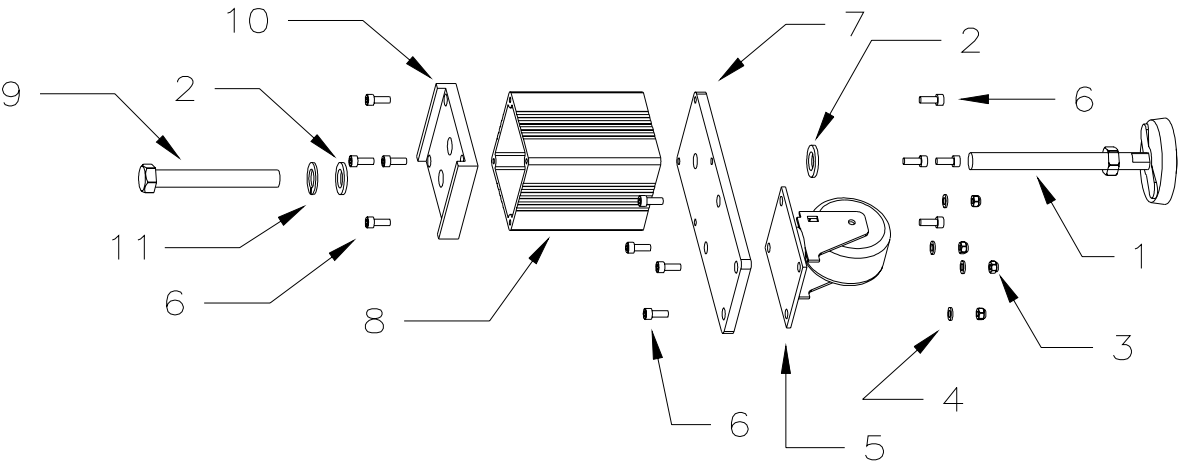


14-0

Interface Connectors

1	83207200A	9 Pin Receptacle
2	83207400A	Cable fitting
3	83084600A	Cable fitting
4	83207300A	Nylon Ring nut d9
5	83084900A	Nylon Ring nut d16
6	83174900A	Hole Plug d16.3
7	83207500A	Fastening Screw
8	83083600A	Digital Counter
9	83207600A	Brass un-insulated terminal
10	83207700A	Brass un-insulated terminal
11	83096400A	Rivet d4 0x13.9 Al BN 924
12	83161800A	Infeed/Exit/Scale Interface Box
13	83161900A	Decal for Infeed/Exit/Scale Interface Box
14	83220900A	Cable Assembly and Infeed/Exit Signal Box
15	83103700A	Cable RS 232
16	83127300A	Mounting bracket for counter and interface

Legs and Casters



Legs and Casters

Item	Part Number	Description
1	83061100A	Foot Assembly
2	83061700A	Washer, M16
3	82709200A	Locknut, M6
4	82709700A	Washer, m6
5	81851700A	Caster, 3"
6	82714100A	Capscrew, M6 x 16 Socket Head
7	83061200A	Mounting Plate
8	83061300A	Leg
9	83061600A	Bolt, M16 x 20 Hex Head
10	83061400A	Saddle
11	83061800A	Lockwasher, M16

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