

PARTS

6

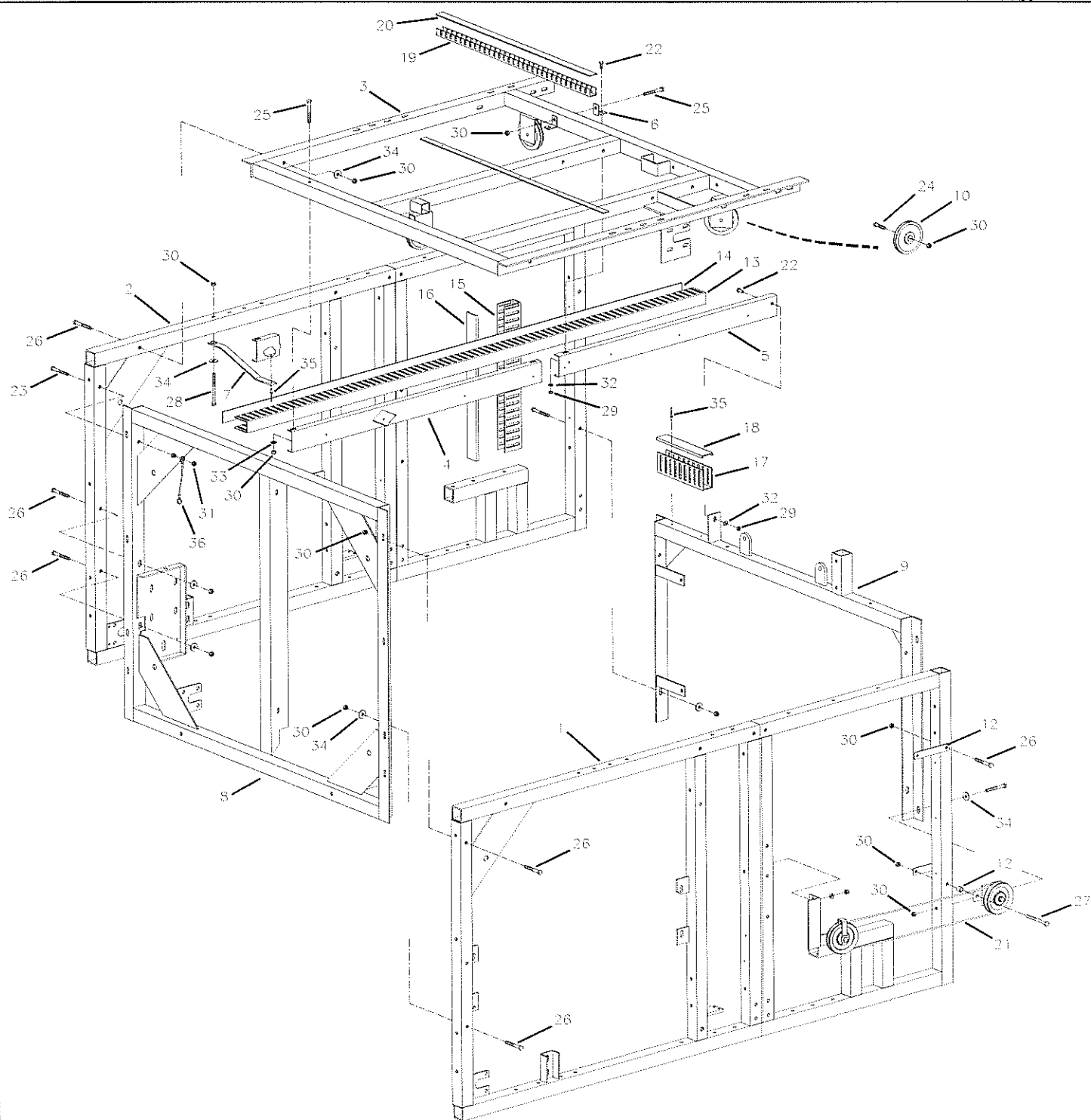


PARTS

Frame & Support

Pinsetter Frame Components

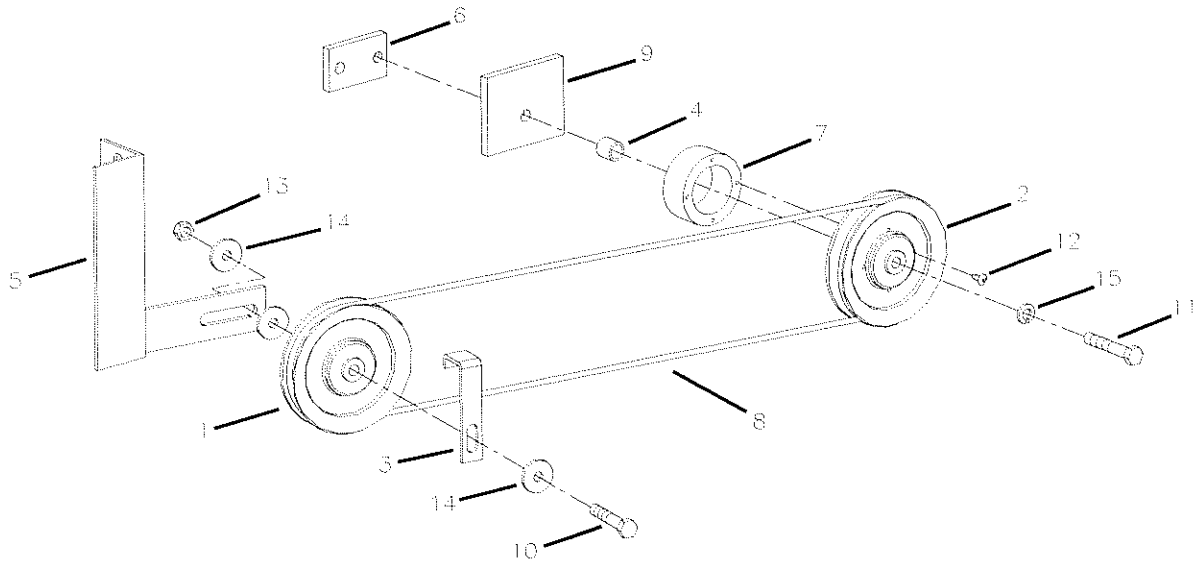
INDEX	PART NUMBER	DESCRIPTION
1	302-0000-01	PINSETTER FRAME, RIGHT
2	302-0005-01	PINSETTER FRAME, LEFT
3	302-0050-00	PINSETTER FRAME, TOP
4	302-0060-00	MOUNTING PLATE
5	302-0070-00	MOUNTING PLATE
6	302-0080-00	FRAME BRACKET
7	302-0090-00	FRAME BRACE
8	302-0100-00	PINSETTER FRAME, FRONT
9	302-0150-00	PINSETTER FRAME, REAR
10	302-1120-00	WIRE PULLEY
11	302-2255-00	SPRING TENSION PLATE
12	302-3020-00	SPACER BUSHING
13	303-0100-00	WIRING DUCT, 1-1/2" X 82-1/2"
14	303-0110-00	WIRING DUCT COVER, 1-1/2" X 82-1/2"
15	303-0120-00	WIRING DUCT, 1-1/2" X 20-3/4"
16	303-0130-00	WIRING DUCT COVER, 1-1/2" X 20-3/4"
17	303-0140-00	WIRING DUCT, 1-1/2" X 9-1/2"
18	303-0150-00	WIRING DUCT COVER, 1-1/2" X 8-1/2"
19	303-0160-00	WIRING DUCT, 1" X 32"
20	303-0170-00	WIRING DUCT COVER, 1" X 32"
21	see detail page 193A.03	CARROUSEL O-RING ASSEMBLY
22	7010-003118-075	HEXAGON CAP SCREW, 5/16"-18 X 3/4"
23	7010-003118-300	HEXAGON CAP SCREW, 5/16"-18 X 3"
24	7010-003716-175	HEXAGON CAP SCREW, 3/8"-16 X 1-3/4"
25	7010-003716-275	HEXAGON CAP SCREW, 3/8"-16 X 2-3/4"
26	7010-003716-300	HEXAGON CAP SCREW, 3/8"-16 X 3"
27	7010-003716-400	HEXAGON CAP SCREW, 3/8"-16 X 4"
28	7010-003716-550	HEXAGON CAP SCREW, 3/8"-16 X 5-1/2"
29	7036-003118-000	NYLOCK NUT, 5/16"-18
30	7036-003716-000	NYLOCK NUT, 3/8"-16
31	7038-003118-000	HEXAGON K-LOCK NUT, 5/16"-18
32	7050-034068-006	FLAT WASHER, 11/32" X 11/16" X 1/16"
33	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
34	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
35	7108-401800-050	DOME HEAD ALUMINUM POP RIVET, 3/16" X 1/2"
36	EC-2001-G	GROUND CABLE ASSEMBLY



Frame & Support

Carousel O-Ring Assembly

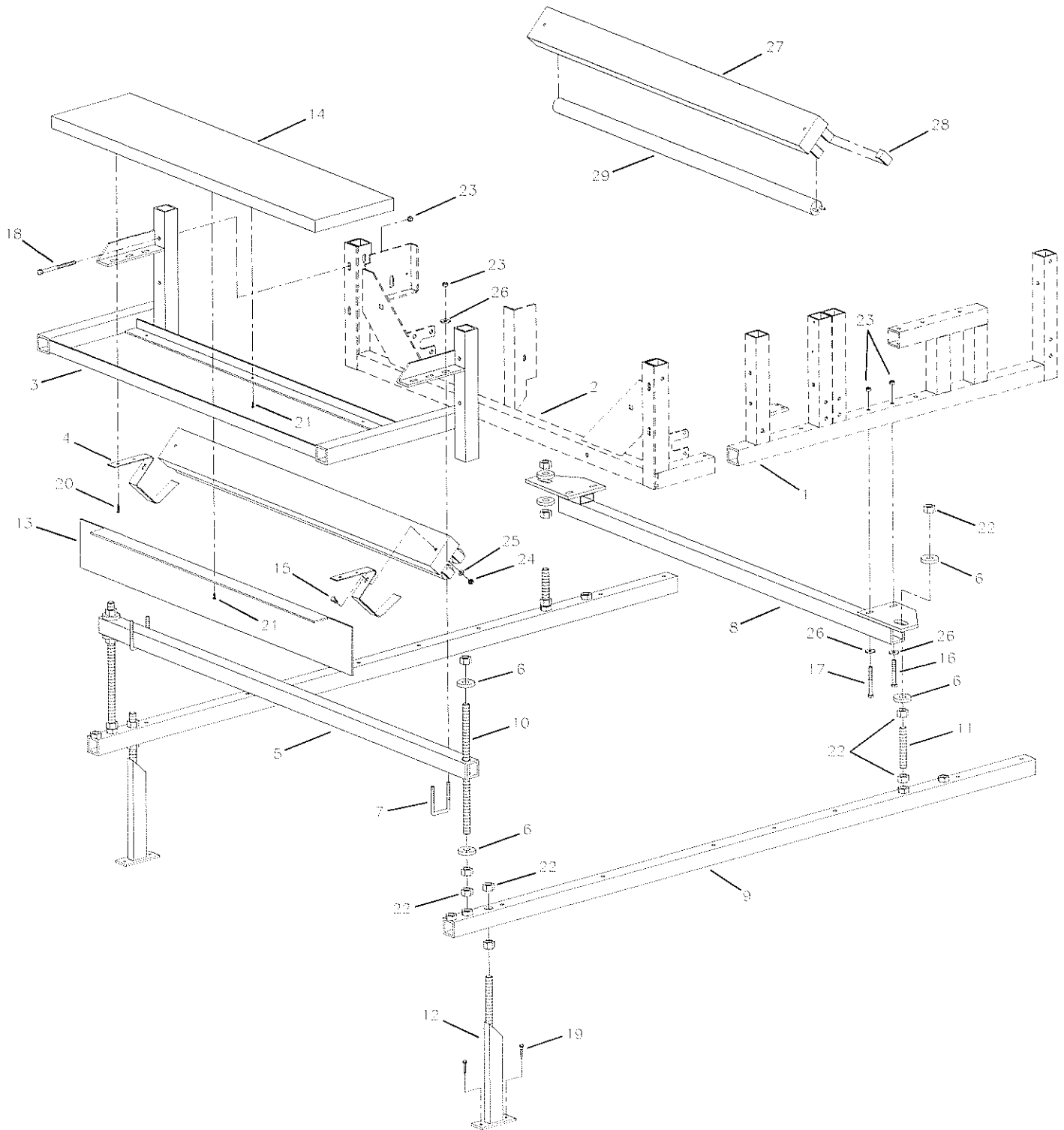
INDEX	PART NUMBER	DESCRIPTION
1	302-1120-00	WIRE PULLEY
2	302-1125-00	O-RING PULLEY
3	302-1230-00	O RING GUARD
4	302-3020-00	SPACER BUSHING
5	302-5350-00	PULLEY BRACKET
6	302-5360-00	ATTACHMENT PLATE
7	303-1125-00	DRIVE WHEEL
8	304-5010-00	CARROUSEL O-RING
9	308-5360-00	GUIDE
10	7010-003716-200	HEXAGON CAP SCREW, 3/8"-16 X 2"
11	7010-003716-250	HEXAGON CAP SCREW, 3/8"-16 X 2-1/2"
12	7024-410800-050	ROUND SOCKET HEAD METAL SCREW, #8 X 1/2"
13	7036-003716-000	NYLOCK NUT, 3/8"-16
14	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
15	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"



Frame & Support

Pinsetter Support Components

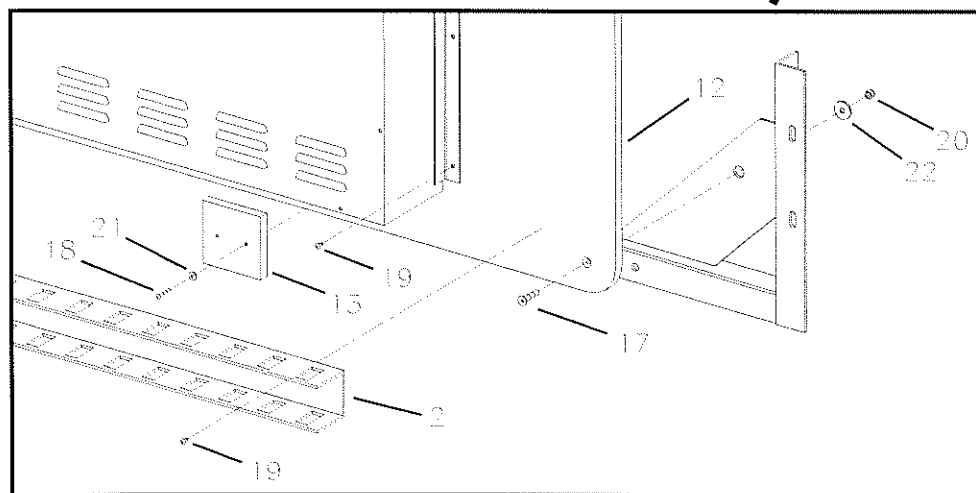
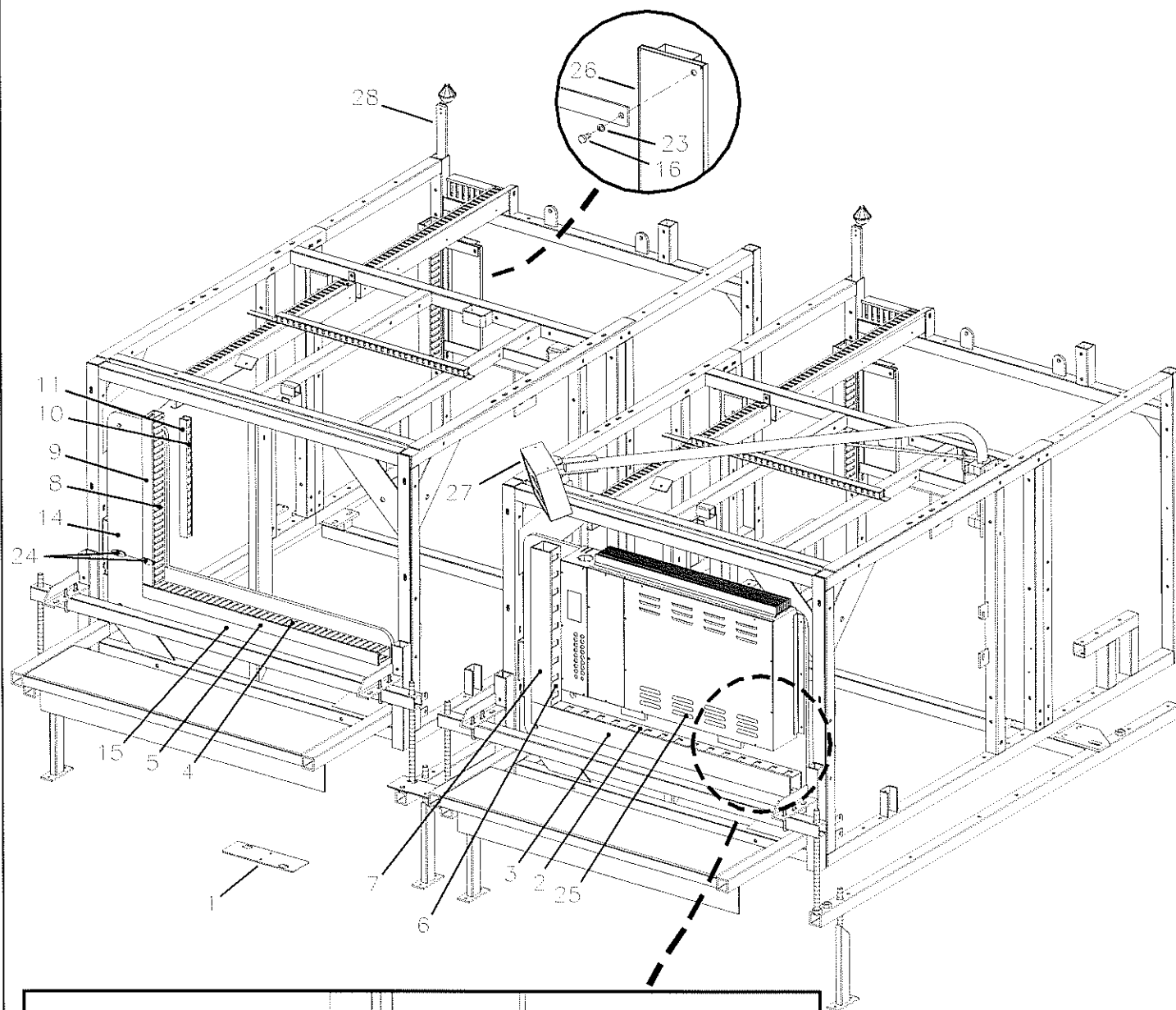
INDEX	PART NUMBER	DESCRIPTION
1	302-0000-01	PINSETTER FRAME, RIGHT
2	302-0100-00	PINSETTER FRAME, FRONT
3	302-0200-00	CATWALK SUPPORT
4	302-0210-00	LIGHTING BRACKET
5	302-0250-00	CROSS SUPPORT, FRONT
6	302-0260-00	SPACER WASHER, 3/4" X 2" X 3/8"
7	302-0270-00	U BOLT, 3/8"
8	302-0300-00	CROSS SUPPORT, REAR
9	302-0350-00	KICKBACK TUBING
10	302-0360-00	THREAD ROD, 3/4"-10 X 16"
11	302-0370-00	THREAD ROD, 3/4"-10 X 5"
12	302-0380-00	THREAD ROD, 3/4"-10 X WITCH FOOT
13	303-0050-00	FLUORESCENT LIGHT DEFLECTOR
14	306-0400-00	CATWALK PLANK
15	7010-003118-062	HEXAGON CAP SCREW, 5/16"-18 X 5/8"
16	7010-003716-300	HEXAGON CAP SCREW, 3/8"-16 X 3"
17	7010-003716-350	HEXAGON CAP SCREW, 3/8"-16 X 3-1/2"
18	7010-003716-500	HEXAGON CAP SCREW, 3/8"-16 X 5"
19	7022-201400-150	HEX WASHER HEAD WOOD SCREW, #14 X 1-1/2"
20	7022-310800-100	FLAT SOCKET HEAD WOOD SCREW, #8 X 1"
21	7024-410800-075	ROUND SOCKET HEAD METAL SCREW, #8 X 3/4"
22	7034-007510-000	HEXAGON NUT, 3/4"-10
23	7036-003716-000	NYLOCK NUT, 3/8"-16
24	7038-003118-000	HEXAGON K-LOCK NUT, 5/16"-18
25	7050-034068-006	FLAT WASHER, 11/32" X 11/16" X 1/16"
26	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
27	E-F48	FLUORESCENT LIGHT FIXTURE, 48" DOUBLE
28	E-F48S	FLUORESCENT LIGHT SOCKET
29	E-F48T	FLUORESCENT LIGHT TUBE, 48"



Frame & Support

Cabling Accessories

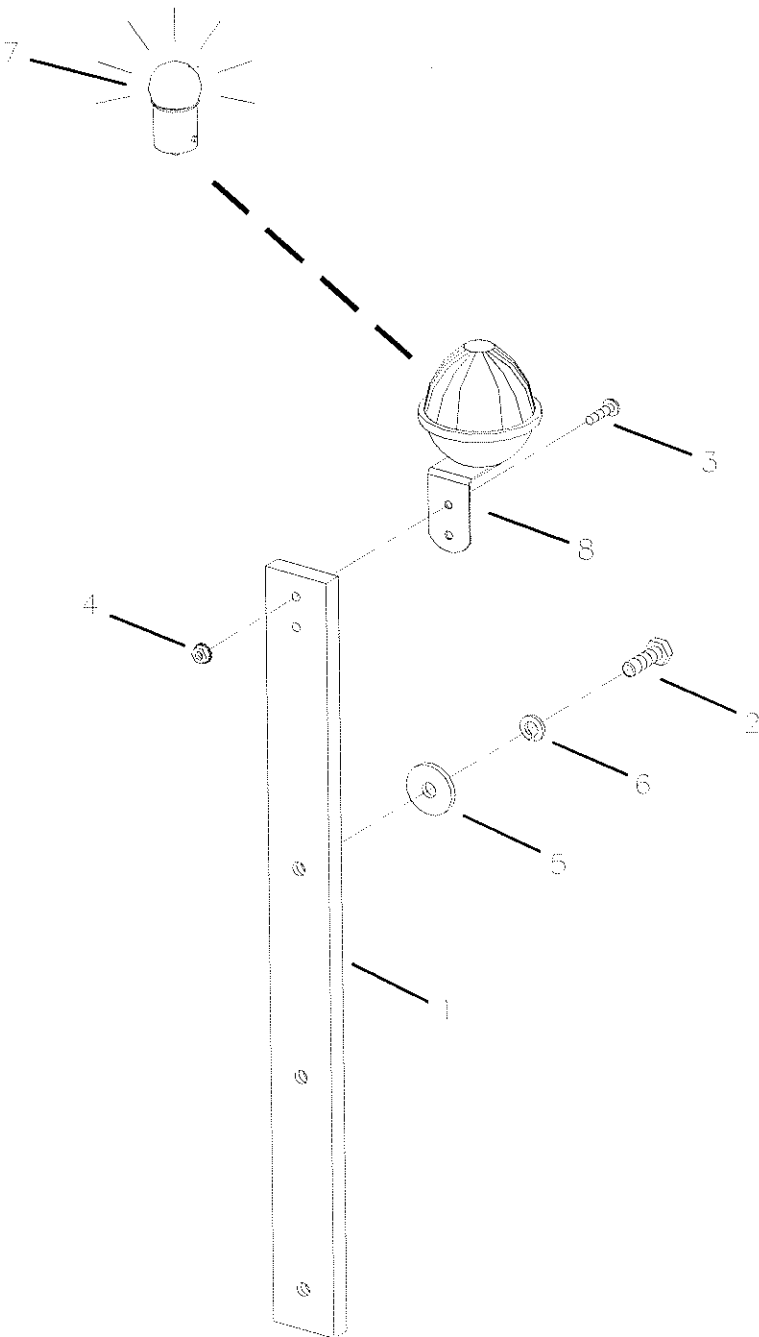
INDEX	PART NUMBER	DESCRIPTION
1	302-0390-00	WIRING PLATE
2	303-0180-00	WIRING DUCT, 2" X 48"
3	303-0190-00	WIRING DUCT COVER, 2" X 48"
4	303-0200-00	WIRING DUCT, 1-1/2" X 48"
5	303-0210-00	WIRING DUCT COVER, 1-1/2" X 48"
6	303-0220-00	WIRING DUCT, 2" X 24"
7	303-0230-00	WIRING DUCT COVER, 2" X 24"
8	303-0240-00	WIRING DUCT, 1" X 24"
9	303-0250-00	WIRING DUCT COVER, 1-1/2" X 24"
10	303-0260-00	WIRING DUCT, 1-1/2" X 16"
11	303-0270-00	WIRING DUCT COVER, 1" X 16"
12	306-0100-00	POWER BOX PANEL
13	306-0110-00	GUIDE BLOCK
14	306-0200-00	WIRING DUCT PANEL, SIDE
15	306-0300-00	WIRING DUCT PANEL, BOTTOM
16	7010-003118-075	HEXAGON CAP SCREW, 5/16"-18 X 3/4"
17	7016-313118-150	FLAT SOCKET HEAD MACHINE SCREW, 5/16"-18 X 1-1/2"
18	7022-410800-125	ROUND HEAD WOOD SCREW, #8 X 1-1/4"
19	7024-410800-050	ROUND SOCKET HEAD METAL SCREW, #8 X 1/2"
20	7036-003118-000	NYLOCK NUT, 5/16"-18
21	7050-021050-006	FLAT WASHER, 7/32" X 1/2" X 1/16"
22	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
23	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
24	8850-000010-000	PANEL TONGUE
25	SB-302-7000	ELECTRONIC POWER BOX ASSEMBLY
26	SB-302-7100	CARROUSEL CONTROLLER ASSEMBLY
27	see detail page 197B.03	MAGNET 2001 CONTROLLER ARM ASSEMBLY
28	see detail page 197A.03	TROUBLE LIGHT ASSEMBLY



Frame & Support

Trouble Light Assembly (SB-45022)

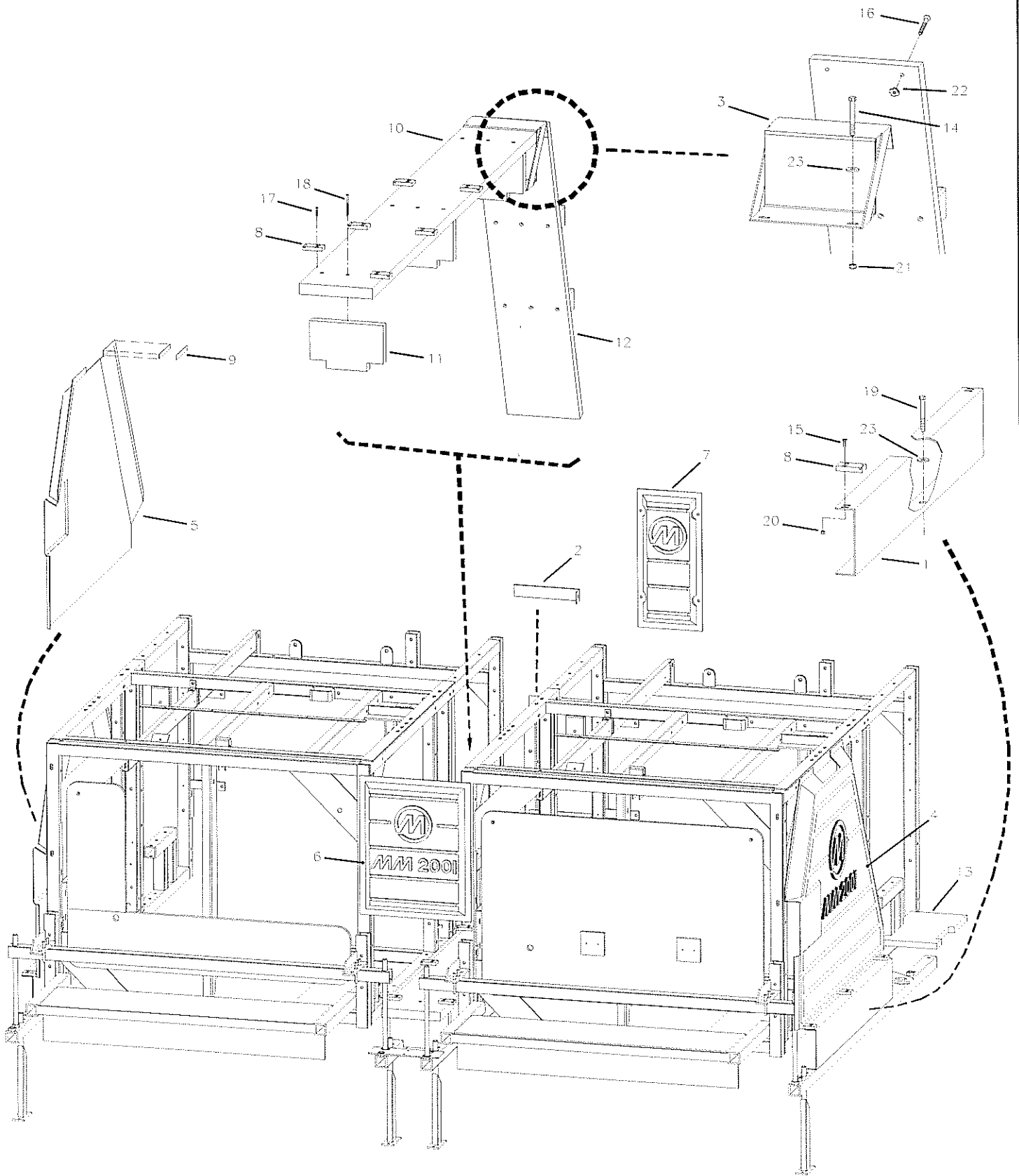
INDEX	PART NUMBER	DESCRIPTION
1	306-0700-00	MOUNTING PLATE
2	7010-003118-100	HEXAGON CAP SCREW, 5/16"-18 X 1"
3	7016-411032-075	ROUND SOCKET HEAD MACHINE SCREW, #10-32 X 3/4"
4	7038-001032-000	HEXAGON K-LOCK NUT, #10-32
5	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
6	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
7	E-067	TROUBLE LIGHT BULB
8	E-45022	TROUBLE LIGHT



Frame & Support

Guards & Accessories

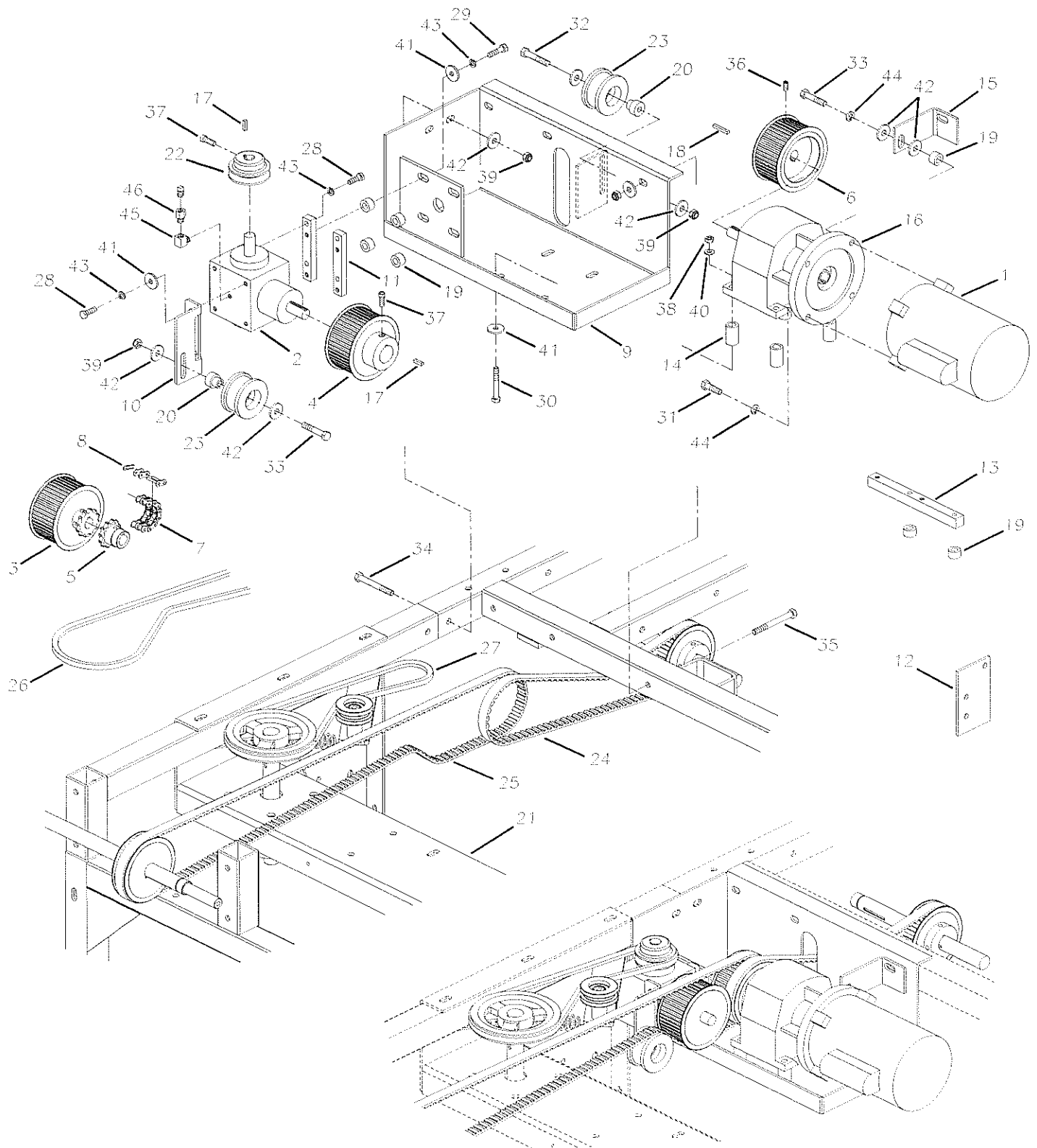
INDEX	PART NUMBER	DESCRIPTION
1	302-0450-00	GUARD SUPPORT
2	302-0470-00	FRAME PLATE
3	302-0600-00	CATWALK SUPPORT
4	303-0000-00	PINSETTER GUARD, RIGHT
5	303-0005-00	PINSETTER GUARD, LEFT
6	303-0010-00	PINSETTER GUARD, FRONT, 19"
7	303-0020-00	PINSETTER GUARD, FRONT, 11"
8	303-0030-00	GUARD SUPPORT
9	303-0040-00	GUARD VELCRO
10	306-0500-00	CATWALK PLANK
11	306-0510-00	CATWALK SUPPORT
12	306-0600-00	CATWALK STEPS
13	306-0800-00	DOUBLE KICKBACK SHELF
14	7010-003716-325	HEXAGON CAP SCREW, 3/8"-16 X 3-1/4"
15	7016-311032-075	FLAT SOCKET HEAD MACHINE SCREW, #10-32 X 3/4"
16	7016-313118-250	FLAT SOCKET HEAD MACHINE SCREW, 5/16"-18 X 2-1/2"
17	7022-310800-125	FLAT SOCKET HEAD WOOD SCREW, #8 X 1-1/4"
18	7026-311000-300	FLAT SOCKET HEAD SELF DRILLING SCREW, #10 X 3"
19	7028-003700-400	LAG SCREW, 3/8" X 4"
20	7036-001032-000	NYLOCK NUT, #10-32
21	7036-003716-000	NYLOCK NUT, 3/8"-16
22	7045-003118-037	TEE NUT, 5/16"-18 X 3/8"
23	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"



Drive Train

Main Components

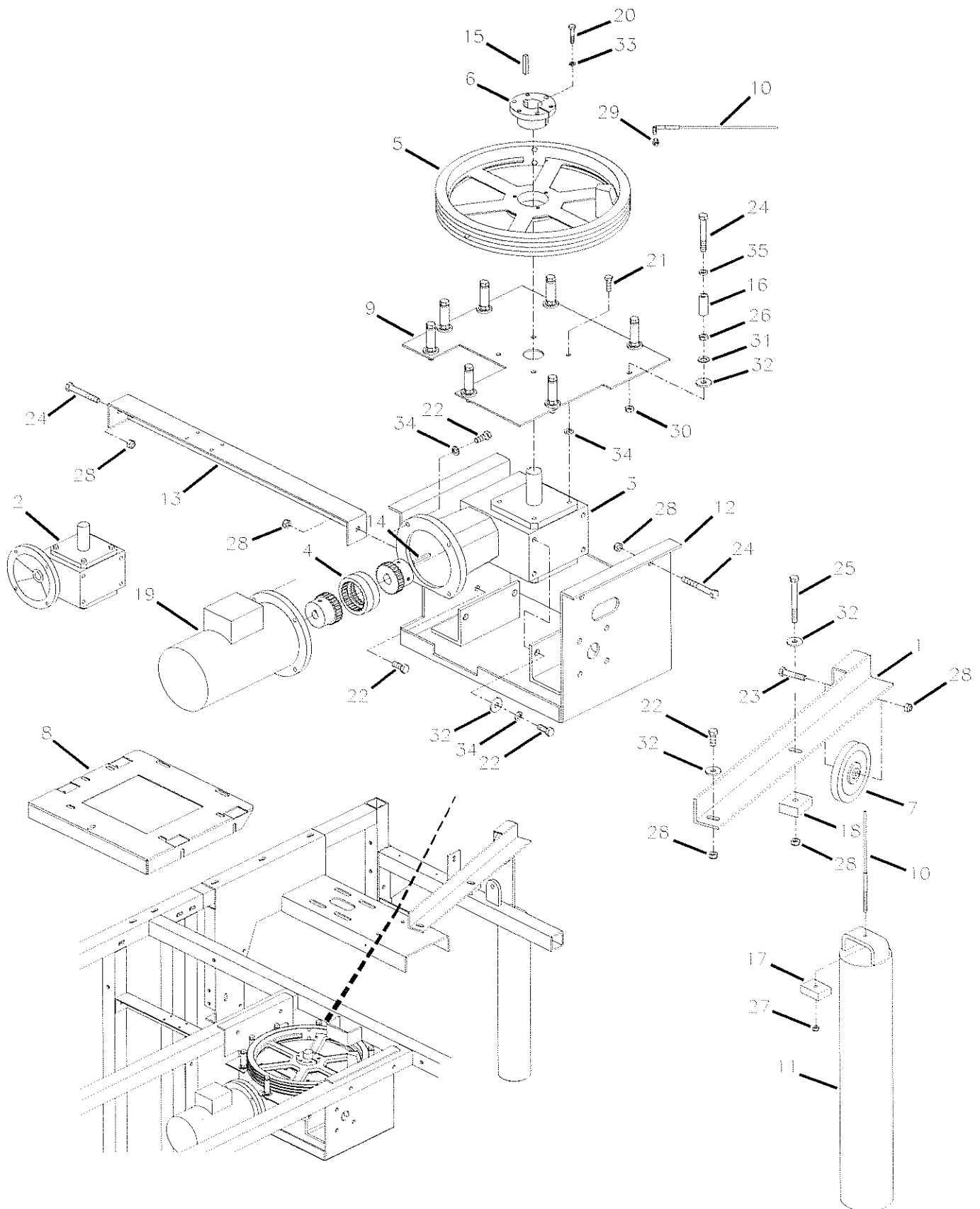
INDEX	PART NUMBER	DESCRIPTION
1	301-1200-00	MAIN MOTOR, 208/230VAC 1/2HP
2	302-2000-00	ANGLE DRIVE
3	302-2010-00	TIMING GEAR
4	302-2010-01	TIMING GEAR
5	302-2011-00	DRIVE TRAIN SPROCKET
6	302-2015-00	TIMING GEAR
7	302-2016-00	DOUBLE CHAIN COUPLING LINK
8	302-2017-00	DOUBLE CHAIN COUPLING LINK, DETACHABLE
9	302-2100-00	MAIN MOTOR FRAME
10	302-2110-00	MOUNTING BRACKET
11	302-2111-00	MOUNTING PLATE
12	302-2112-00	MOUNTING PLATE
13	302-2113-00	MOUNTING PLATE
14	302-2114-00	SPACER
15	302-2120-00	MOTOR BRACE
16	302-2300-00	PARALLEL SHAFT GEARBOX
17	302-2400-00	MACHINE KEY, 3/16" X 3/4"
18	302-2430-00	MACHINE KEY, 3/16" X 1-3/8"
19	302-3330-00	SPACER BUSHING
20	302-4500-00	BEARING SHOULDER
21	302-5000-00	CARROUSEL CHANNEL
22	302-5110-00	CARROUSEL PULLEY
23	303-2350-00	TENSIONER PULLEY
24	304-2000-00	DRIVE TRAIN BELT, 480H075
25	304-2020-00	DRIVE TRAIN BELT, 800H075
26	304-5000-00	CARROUSEL BELT, 4L 500
27	304-5000-01	CARROUSEL BELT, 4L 410
28	7010-003118-100	HEXAGON CAP SCREW, 5/16"-18 X 1"
29	7010-003118-125	HEXAGON CAP SCREW, 5/16"-18 X 1-1/4"
30	7010-003118-250	HEXAGON CAP SCREW, 5/16"-18 X 2-1/2"
31	7010-003716-125	HEXAGON CAP SCREW, 3/8"-16 X 1-1/4"
32	7010-003716-175	HEXAGON CAP SCREW, 3/8"-16 X 1-3/4"
33	7010-003716-200	HEXAGON CAP SCREW, 3/8"-16 X 2"
34	7010-003716-300	HEXAGON CAP SCREW, 3/8"-16 X 3"
35	7010-003716-350	HEXAGON CAP SCREW, 3/8"-16 X 3-1/2"
36	7018-002520-050	HEXAGON SOCKET CAP SCREW, 1/4"-20 X 1/2"
37	7018-003118-075	HEXAGON SOCKET CAP SCREW, 5/16"-18 X 3/4"
38	7036-003118-000	NYLOCK NUT, 5/16"-18
39	7036-003716-000	NYLOCK NUT, 3/8"-16
40	7050-034068-006	FLAT WASHER, 11/32" X 11/16" X 1/16"
41	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
42	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
43	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
44	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"
45	A-041	PIPE ELBOW, 1/8"
46	A-073	PIPE ADAPTOR, 1/8"M X 1/8"F



Drive Train

Deck Drive Components

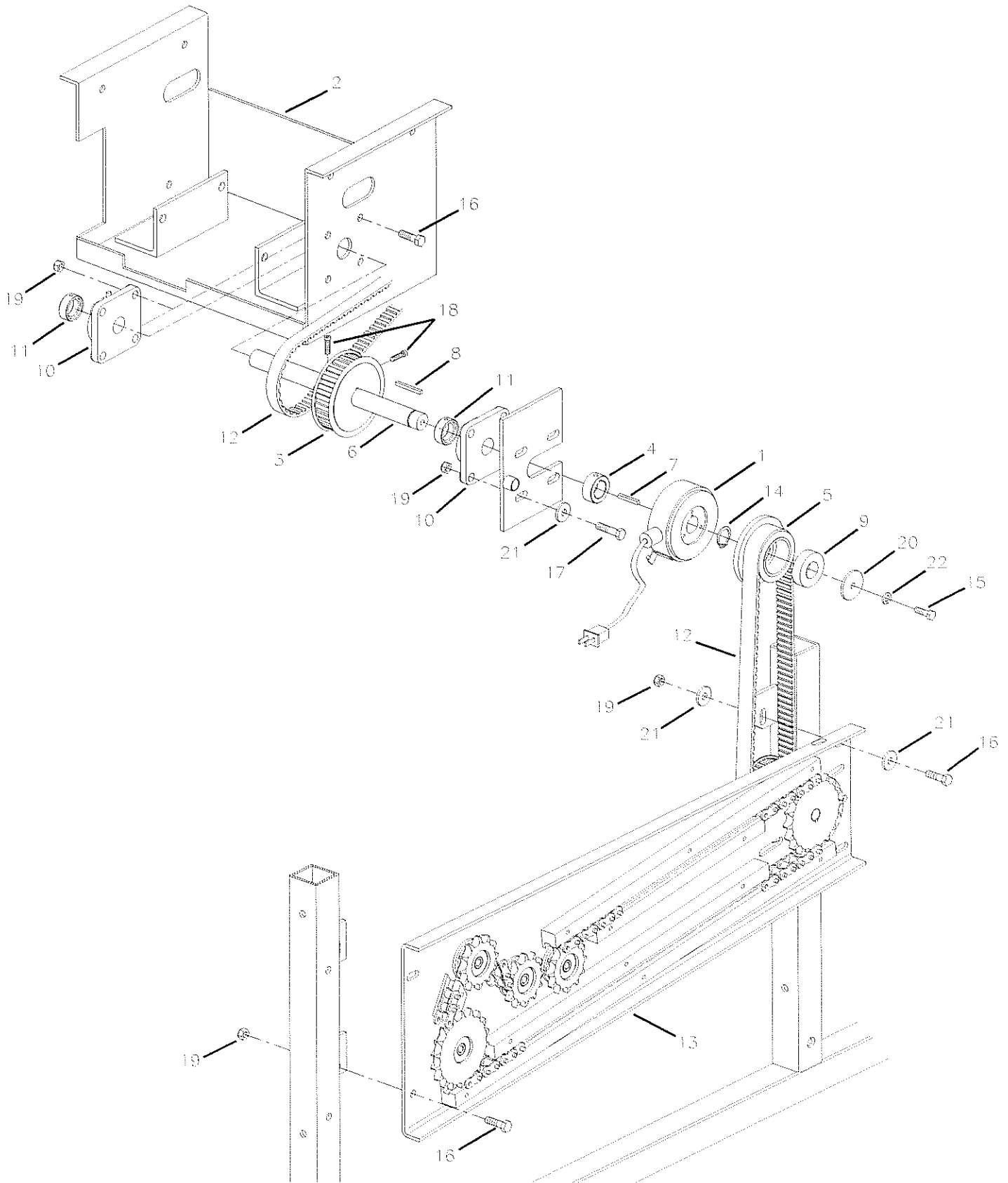
INDEX	PART NUMBER	DESCRIPTION
1	302-0170-00	LOAD ARM
2	302-1000-00	MOTOR REDUCER
3	302-1000-01	MOTOR REDUCER
4	302-1040-00	COUPLING KIT
5	302-1100-00	DECK PULLEY
6	302-1110-00	PULLEY HUB, 1-1/8"
7	302-1120-00	WIRE PULLEY
8	302-1130-00	GUIDE PLATE
9	302-1130-01	GUIDE PLATE
10	302-1180-00	LOAD WIRE, 112-1/4"
11	302-1190-00	DECK LOAD
12	302-1300-00	DRIVE TRAIN FRAME
13	302-1320-00	DRIVE TRAIN BRACE
14	302-2440-00	MACHINE KEY, 3/16" X 1-3/4"
15	302-2470-00	MACHINE KEY, 1/4" X 1-1/2"
16	303-5520-00	GUIDE ROLLER
17	304-1190-00	LOAD SHOCK ABSORBER
18	306-0180-00	SPACER BLOCK
19	311-1100-00	DECK MOTOR ASSEMBLY, 180VDC 3/4HP
20	7010-002520-125	HEXAGON CAP SCREW, 1/4"-20 X 1-1/4"
21	7010-003118-100	HEXAGON CAP SCREW, 5/16"-18 X 1"
22	7010-003716-100	HEXAGON CAP SCREW, 3/8"-16 X 1"
23	7010-003716-175	HEXAGON CAP SCREW, 3/8"-16 X 1-3/4"
24	7010-003716-275	HEXAGON CAP SCREW, 3/8"-16 X 2-3/4"
25	7010-003716-350	HEXAGON CAP SCREW, 3/8"-16 X 3-1/2"
26	7034-003716-000	HEXAGON NUT, 3/8"-16 X 4"
27	7036-002520-000	NYLOCK NUT, 1/4"-20
28	7036-003716-000	NYLOCK NUT, 3/8"-16
29	7040-002520-000	TWO-WAY LOCK NUT, 1/4"-20
30	7044-003716-000	THIN NYLOCK NUT, 3/8"-16
31	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
32	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
33	7060-025046-006	LOCK WASHER, 1/4" X 15/32" X 1/16"
34	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"
35	7652-037062-012	NYLON SPACER WASHER, 3/8" X 5/8" X 1/8"



Drive Train

Sweep Drive Components

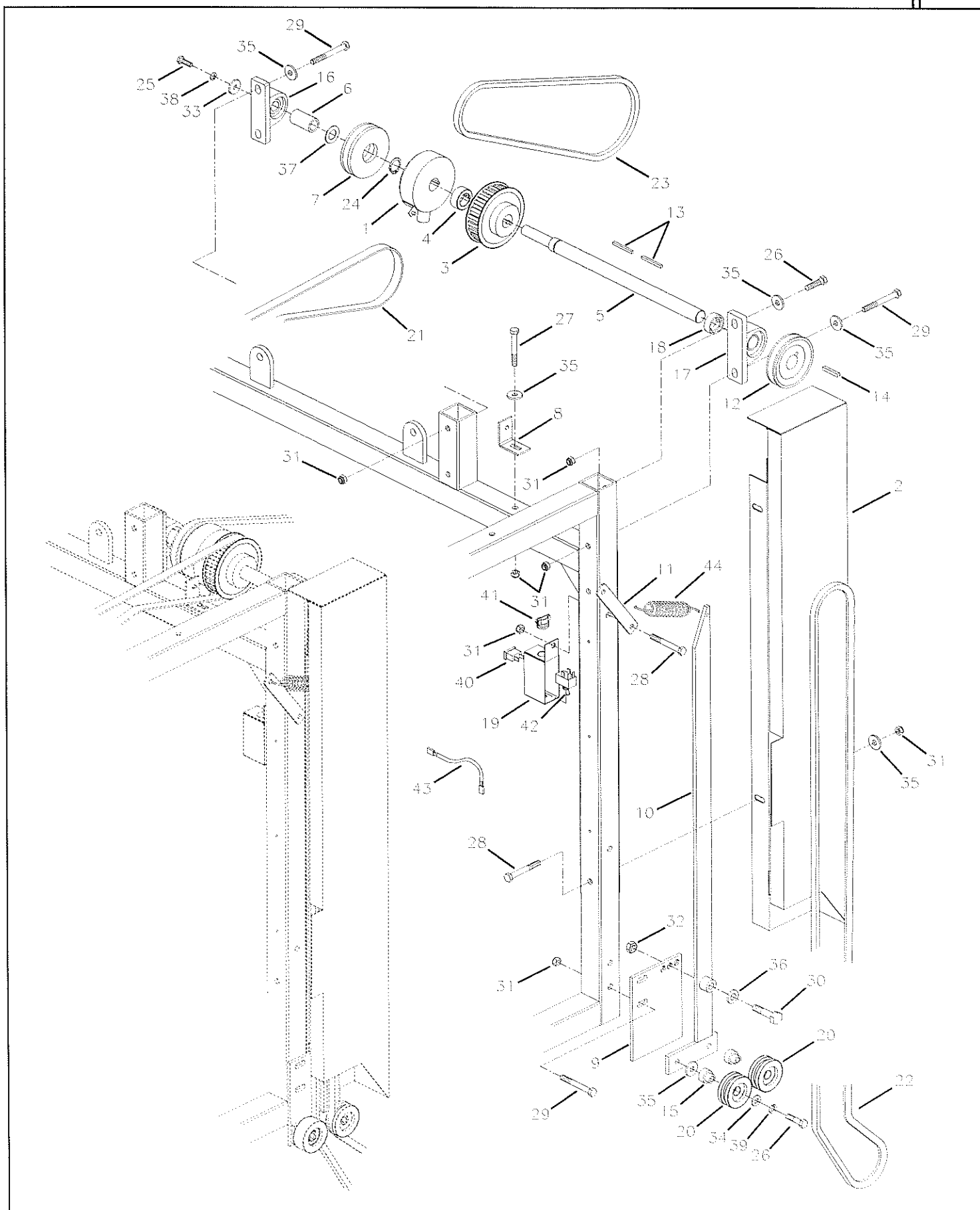
INDEX	PART NUMBER	DESCRIPTION
1	301-1400-00	MAGNETIC CLUTCH
2	302-1300-00	DRIVE TRAIN FRAME
3	302-2020-00	TIMING GEAR
4	302-2030-00	SPECIAL COLLAR, 1"
5	302-2050-00	TIMING GEAR
6	302-2060-00	DRIVE TRAIN SHAFT
7	302-2430-00	MACHINE KEY, 3/16" X 1-3/8"
8	302-2440-00	MACHINE KEY, 3/16" X 1-3/4"
9	302-6205-00	BALL BEARING
10	302-6212-00	FLANGE BALL BEARING, 1"
11	302-6217-00	LOCKING COLLAR, 1"
12	304-2000-00	DRIVE TRAIN BELT, 480H075
13	322-4400-00	SWEEP DRIVE TRAIN
14	7002-720000-098	EXTERNAL RETAINING RING, 63/64"
15	7010-003118-100	HEXAGON CAP SCREW, 5/16"-18 X 1"
16	7010-003716-125	HEXAGON CAP SCREW, 3/8"-16 X 1-1/4"
17	7010-003716-150	HEXAGON CAP SCREW, 3/8"-16 X 1-1/2"
18	7018-003118-100	HEXAGON SOCKET SET SCREW, 5/16"-18 X 1"
19	7036-003716-000	NYLOCK NUT, 3/8"-16
20	7050-034175-012	FLAT WASHER, 11/32" X 1-3/4" X 1/8"
21	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
22	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"



Drive Train

Pin Elevator Drive

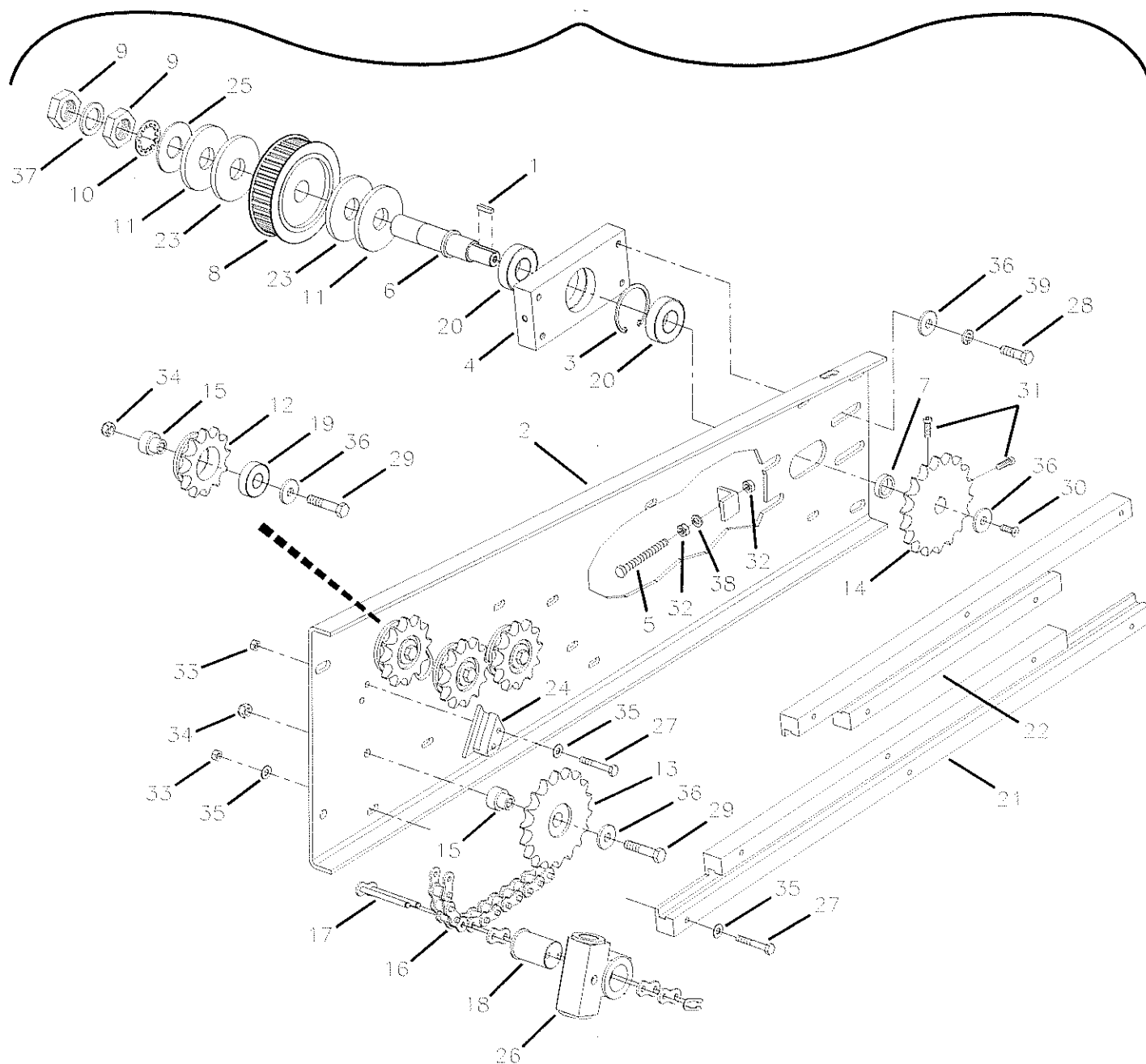
INDEX	PART NUMBER	DESCRIPTION
1	301-1400-00	MAGNETIC CLUTCH
2	302-0460-00	BELT GUARD
3	302-2020-00	TIMING GEAR
4	302-2030-00	SPECIAL COLLAR, 1"
5	302-2080-00	DRIVE TRAIN SHAFT
6	302-2085-00	PULLEY SPACER
7	302-2090-00	DRIVE TRAIN PULLEY
8	302-2170-00	CLUTCH BRACKET
9	302-2240-00	MOUNTING PLATE
10	302-2250-00	BELT TENSIONER
11	302-2255-00	SPRING TENSION PLATE
12	302-2320-00	DRIVE TRAIN PULLEY
13	302-2440-00	MACHINE KEY, 3/16" X 1-3/4"
14	302-2470-00	MACHINE KEY, 1/4" X 1-1/2"
15	302-4500-00	BEARING SHOULDER
16	302-6215-00	PIT PILLOW BLOCK, 3/4"
17	302-6216-00	PIT PILLOW BLOCK, 1"
18	302-6217-00	LOCKING COLLAR, 1"
19	302-8240-00	SWITCH BOX
20	303-2350-00	TENSIONING WHEEL
21	304-2020-00	DRIVE TRAIN BELT, 800H075
22	304-6050-00	PIT BELT, B107
23	304-8000-00	ELEVATOR BELT, 4L 460
24	7002-720000-098	EXTERNAL RETAINING RING, 63/64"
25	7010-003118-100	HEXAGON CAP SCREW, 5/16"-18 X 1"
26	7010-003716-150	HEXAGON CAP SCREW, 3/8"-16 X 1-1/2"
27	7010-003716-275	HEXAGON CAP SCREW, 3/8"-16 X 2-3/4"
28	7010-003716-300	HEXAGON CAP SCREW, 3/8"-16 X 3"
29	7010-003716-325	HEXAGON CAP SCREW, 3/8"-16 X 3-1/4"
30	7010-005020-200	HEXAGON CAP SCREW, 1/2"-20 X 2"
31	7036-003716-000	NYLOCK NUT, 3/8"-16
32	7042-005020-000	THIN NUT, 1/2"-20
33	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
34	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
35	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
36	7050-050106-009	FLAT WASHER, 1/2" X 1-1/16" X 3/32"
37	7052-075137-004	SPACER WASHER, 3/4" X 1-3/8" X 3/64"
38	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
39	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"
40	E-1306-001	BLACK RECEPTACLE
41	E-564	BX CONNECTOR, 3/8"
42	E-7565K7	2DP-2DT SWITCH
43	EC-2001-72	CABLE
44	S-080	TENSION SPRING



Sweep

Drive Components

INDEX	PART NUMBER	DESCRIPTION
1	302-2400-00	MACHINE KEY, 3/16" X 3/4"
2	302-4400-00	SWEEP DRIVE CHANNEL
3	302-4405-00	INTERNAL C-RING
4	302-4410-00	TENSION PILLOW BLOCK
5	302-4415-00	TENSION BOLT
6	302-4420-00	SWEEP DRIVE SHAFT
7	302-4425-00	SPROCKET SPACER
8	302-4430-00	TIMING GEAR
9	302-4440-00	SPECIAL HEX NUT, 1"-12
10	302-4445-00	K-LOCK WASHER, 1"
11	302-4450-00	FRICTION DISK
12	302-4460-00	SWEEP SPROCKET, 60B12
13	302-4470-00	SWEEP SPROCKET, 60B18
14	302-4480-00	SWEEP DRIVE SPROCKET
15	302-4500-00	BEARING SHOULDER
16	302-4520-00	SWEEP DRIVE CHAIN
17	302-4530-01	MAIL 60-3
18	302-4540-01	CHAIN & BEARING ATTACHMENT
19	302-6203-00	BALL BEARING
20	302-6205-00	BALL BEARING
21	303-4400-00	CHAIN GUIDE, BOTTOM
22	303-4410-00	CHAIN GUIDE, TOP
23	303-4420-00	FRICTION DISK
24	303-4430-00	CHAIN SUPPORT
25	305-4440-00	SPRING WASHER
26	322-4510-00	SWEEP ATTACHMENT ASSEMBLY (see detail page 210.03)
26	322-4510-01	SWEEP ATTACHMENT ASSEMBLY (see detail page 211.03)
27	7010-002520-075	HEXAGON CAP SCREW, 1/4"-20 X 3/4"
28	7010-003716-125	HEXAGON CAP SCREW, 3/8"-16 X 1-1/4"
29	7010-003716-175	HEXAGON CAP SCREW, 3/8"-16 X 1-3/4"
30	7016-312520-075	FLAT SOCKET HEAD MACHINE SCREW, 1/4"-20 X 3/4"
31	7018-003118-075	HEXAGON SOCKET CAP SCREW 5/16"-18 X 3/4"
32	7034-003118-000	HEXAGON NUT, 5/16"-18
33	7036-002520-000	NYLOCK NUT, 1/4"-20
34	7036-003716-000	NYLOCK NUT, 3/8"-16
35	7050-028062-006	FLAT WASHER, 9/32" X 5/8" X 1/16"
36	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
37	7052-100137-003	SPACER WASHER, 1" X 1-3/8" X 1/32"
38	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
39	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"

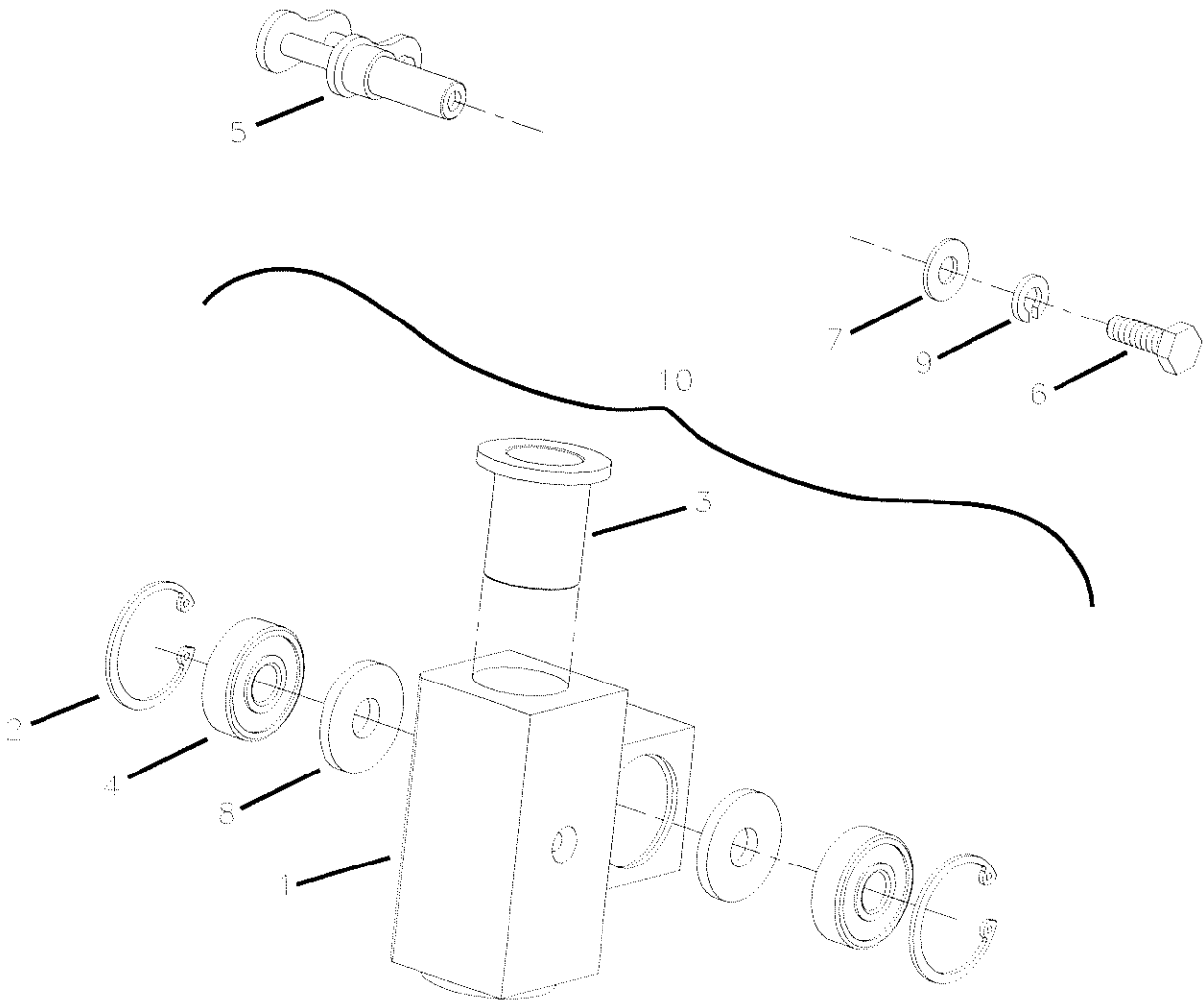


Sweep

Sweep Attachment Assembly (322-4510-00)
&
Chain Attachment Assembly (322-4530-00)

INDEX	PART NUMBER	DESCRIPTION
1	302-4510-00	ATTACHMENT BLOCK
2	302-4515-00	INTERNAL RETAINING RING
3	302-4560-00	FLANGE BEARING
4	302-6200-00	BALL BEARING
5	322-4530-00	CHAIN ATTACHMENT ASSEMBLY
6	7010-002520-075	HEXAGON CAP SCREW, 1/4"-20 X 3/4"
7	7050-028062-006	FLAT WASHER, 9/32" X 5/8" X 1/16"
8	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
9	7060-025046-006	LOCK WASHER, 1/4" X 15/32" X 1/16"
10	322-4510-00	SWEEP ATTACHMENT ASSEMBLY

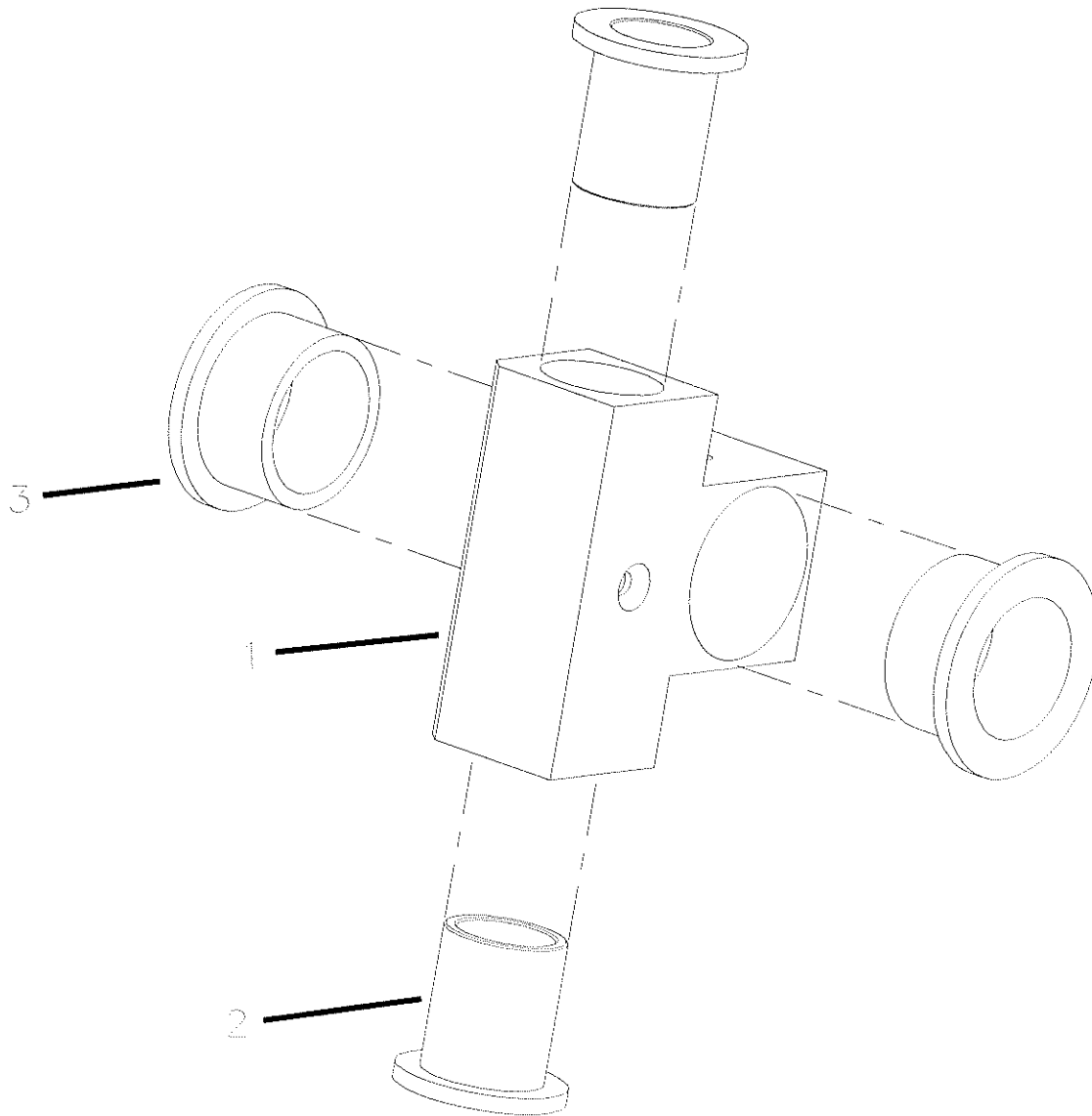
The Chain Attachment Assembly (322-4530-00), although made up of 3 pieces, is available only as a whole. When ordering this part, you will receive the three (3) pieces which make up part number 322-4530-00.



Sweep

Sweep Attachment Assembly (322-4510-01)

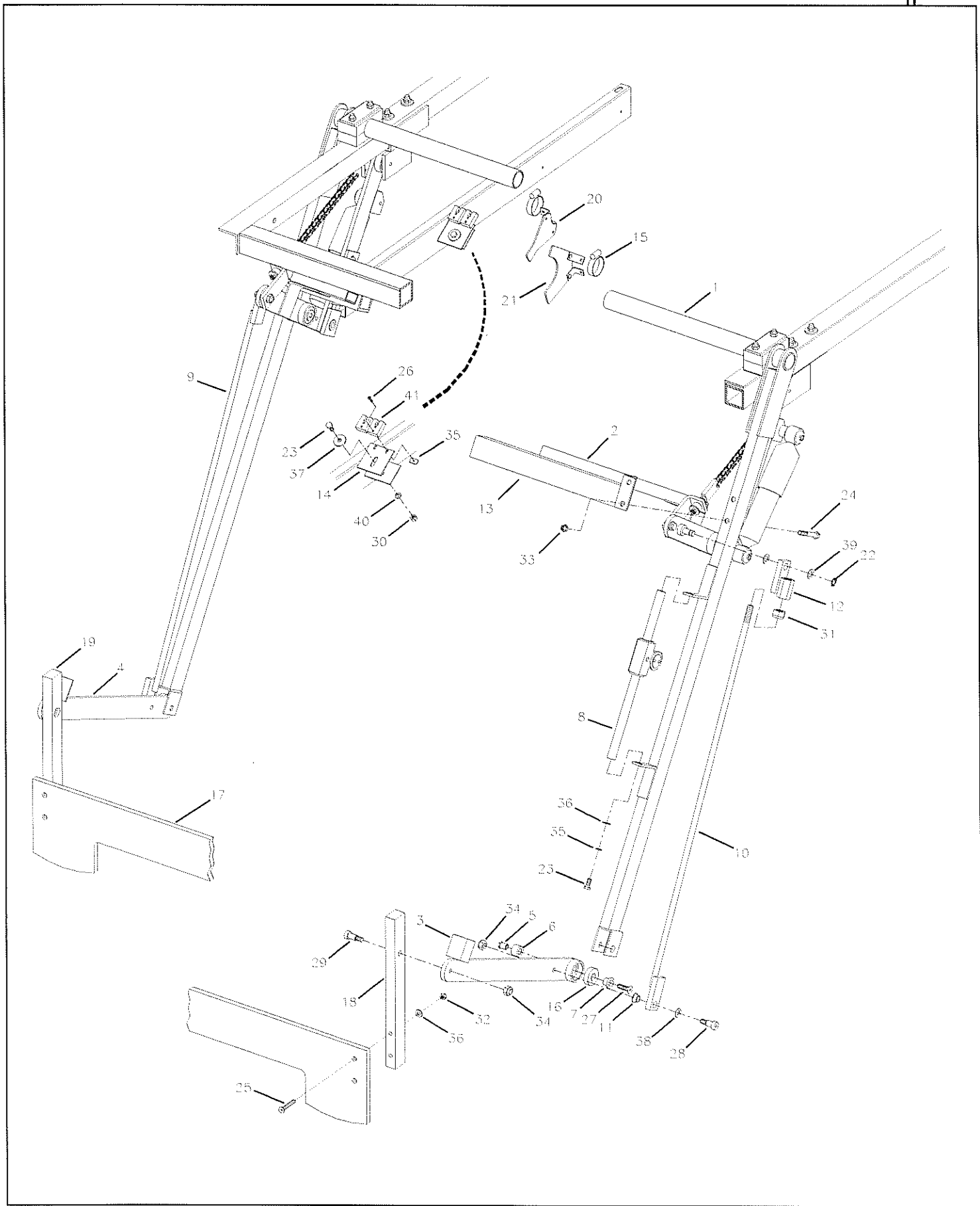
INDEX	PART NUMBER	DESCRIPTION
1	302-4510-01	ATTACHMENT BLOCK
3	302-4560-00	FLANGE BEARING
3	302-4570-00	FLANGE BEARING



Sweep

Main Components

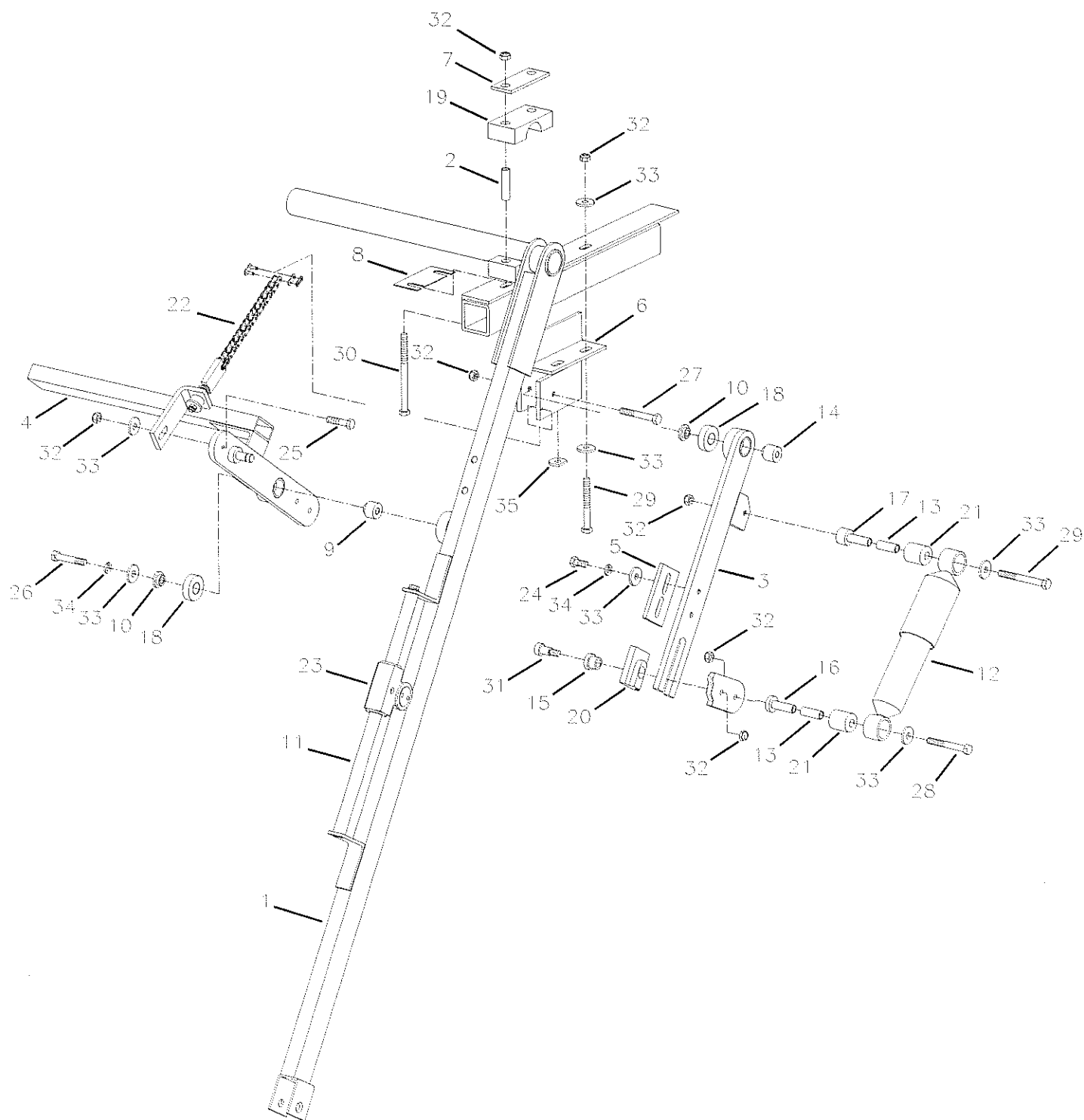
INDEX	PART NUMBER	DESCRIPTION
1	302-4000-00	SWEEP FRAME
2	302-4020-00	SWEEP BAR, CENTER
3	302-4040-00	FOLLOWER ARM, RIGHT
4	302-4045-00	FOLLOWER ARM, LEFT
5	302-4090-00	COUPLING NUT
6	302-4100-00	SWEEP BUSHING
7	302-4110-00	BEARING SHOULDER
8	302-4120-00	ARM SHAFT
9	302-4180-00	SWEEP ROD
10	302-4185-00	ADJUSTMENT ROD
11	302-4190-00	FLANGE BEARING
12	302-4195-00	ROD HOLDER
13	302-4220-00	CROSS SUPPORT
14	302-4600-00	MOUNTING PLATE
15	302-4620-00	SWEEP COLLAR, 2"
16	302-6203-00	BALL BEARING
17	303-4010-00	SWEEP BOARD
18	303-4020-00	SWEEP ARM, RIGHT
19	303-4025-00	SWEEP ARM, LEFT
20	303-4610-00	UP ACTUATOR
21	303-4630-00	DOUBLE ACTUATOR
22	7002-710000-050	EXTERNAL RETAINING RING, 1/2"
23	7010-003118-075	HEXAGON CAP SCREW, 5/16"-18 X 3/4"
24	7010-003716-275	HEXAGON CAP SCREW, 3/8"-16 X 2-3/4"
25	7016-313118-200	FLAT SOCKET HEAD MACHINE SCREW, 5/16"-18 X 2"
26	7016-410632-100	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 1"
27	7018-303716-125	FLAT HEAD HEXAGON SOCKET CAP SCREW, 3/8"-16 X 1-1/4"
28	7020-005000-062	SHOULDER SCREW, 1/2" X 5/8"
29	7020-005000-075	SHOULDER SCREW, 1/2" X 3/4"
30	7034-003118-000	HEXAGON NUT, 5/16"-18
31	7034-005013-000	HEXAGON NUT, 1/2"-13
32	7036-003118-000	NYLOCK NUT, 5/16"-18
33	7036-003716-000	NYLOCK NUT, 3/8"-16
34	7044-003716-000	THIN NYLOCK NUT, 3/8"-16
35	7046-000632-006	WELD NUT, #6-32 X 1/16"
36	7050-034068-006	FLAT WASHER, 11/32" X 11/16" X 1/16"
37	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
38	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
39	7052-050087-003	SPACER WASHER, 1/2" X 7/8" X 1/32"
40	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
41	SB-ECIL-325-FS	OPTICAL SENSOR ASSEMBLY



Sweep

Motion Components Right

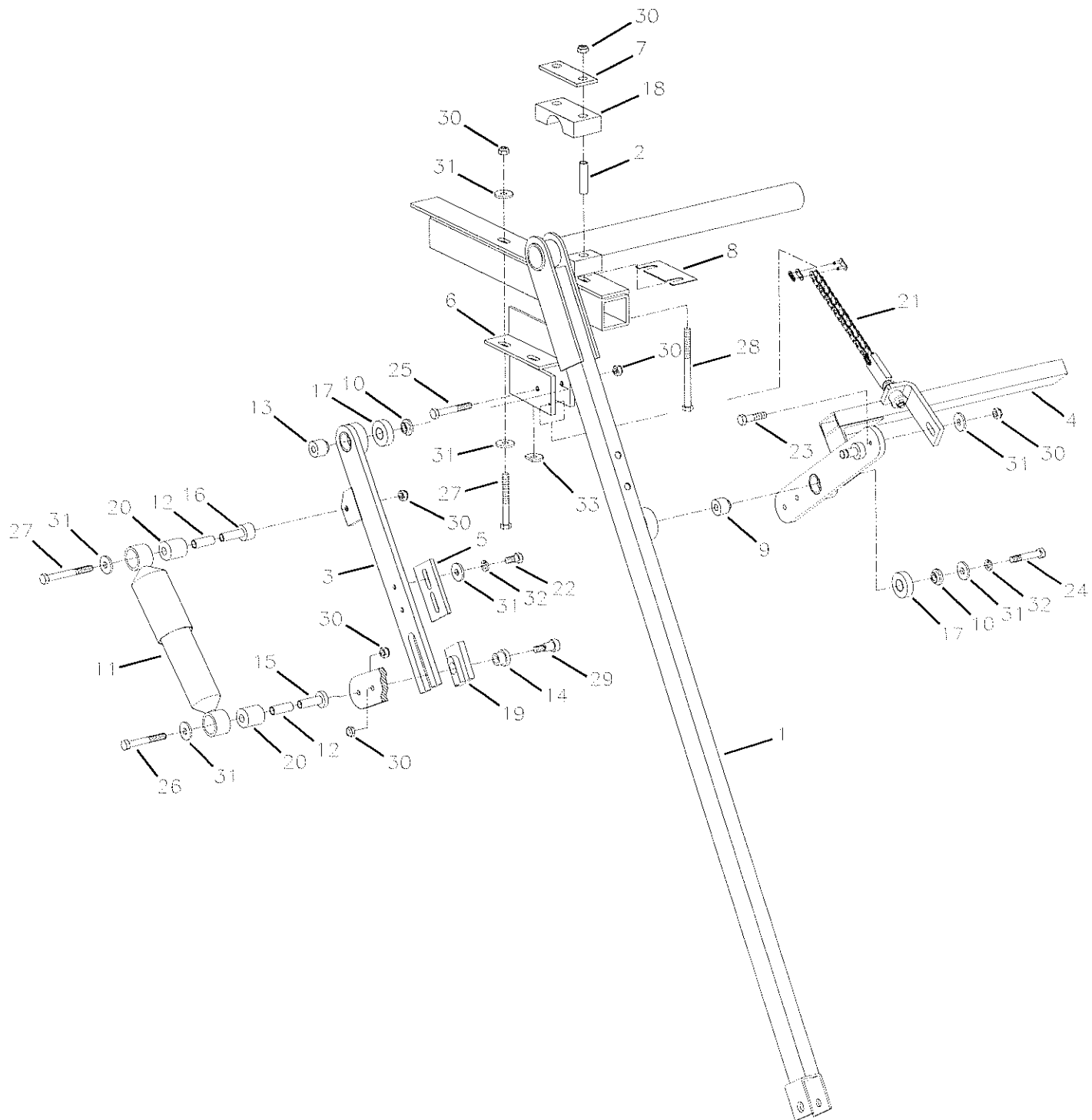
INDEX	PART NUMBER	DESCRIPTION
1	302-4000-00	SWEEP FRAME
2	302-4005-00	SWEEP COLLAR BUSHING
3	302-4010-00	SWEEP BAR, RIGHT
4	302-4020-00	SWEEP BAR, CENTER
5	302-4030-00	ADJUSTMENT PLATE
5	302-4030-01	ADJUSTMENT PLATE
6	302-4050-00	SWEEP BRACKET, RIGHT
6	302-4050-01	SWEEP BRACKET, RIGHT
7	302-4060-00	COLLAR PLATE
8	302-4065-00	COLLAR SHIM
9	302-4070-00	BEARING SHOULDER
10	302-4080-00	BEARING SHOULDER
11	302-4120-00	ARM SHAFT
12	302-4130-00	SHOCK ABSORBER
13	302-4135-00	SLEEVE BEARING
14	302-4140-00	BEARING SHOULDER
14	302-4140-01	BEARING SHOULDER
15	302-4150-00	ROLLER BUSHING
16	302-4160-00	BEARING SHOULDER
17	302-4170-00	BEARING SHOULDER
18	302-6203-00	BALL BEARING
19	303-4000-00	SWEEP COLLAR
20	303-4150-00	ROLLER BUSHING
21	304-1550-00	SLEEVE SHOCK ABSORBER
22	322-4200-00	SWEEP CHAIN ASSEMBLY (see detail page 215C.03)
22	322-4200-01	SWEEP CHAIN ASSEMBLY (see detail page 215D.03)
23	322-4510-00	SWEEP ATTACHMENT ASSEMBLY (see detail page 210.03)
23	322-4510-01	SWEEP ATTACHMENT ASSEMBLY (see detail page 211.03)
24	7010-003716-075	HEXAGON CAP SCREW, 3/8"-16 X 3/4"
25	7010-003716-150	HEXAGON CAP SCREW, 3/8"-16 X 1-1/2"
26	7010-003716-200	HEXAGON CAP SCREW, 3/8"-16 X 2"
27	7010-003716-250	HEXAGON CAP SCREW, 3/8"-16 X 2-1/2"
28	7010-003716-275	HEXAGON CAP SCREW, 3/8"-16 X 2-3/4"
29	7010-003716-325	HEXAGON CAP SCREW, 3/8"-16 X 3-1/4"
30	7010-003716-500	HEXAGON CAP SCREW, 3/8"-16 X 5"
31	7020-005000-075	SHOULDER SCREW, 1/2" X 3/4"
32	7036-003716-000	NYLOCK NUT, 3/8"-16
33	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
34	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"
35	7080-800000-012	CUT FLAT WASHER, 3/8" X 43/52" X 7/64"



Sweep

Motion Components

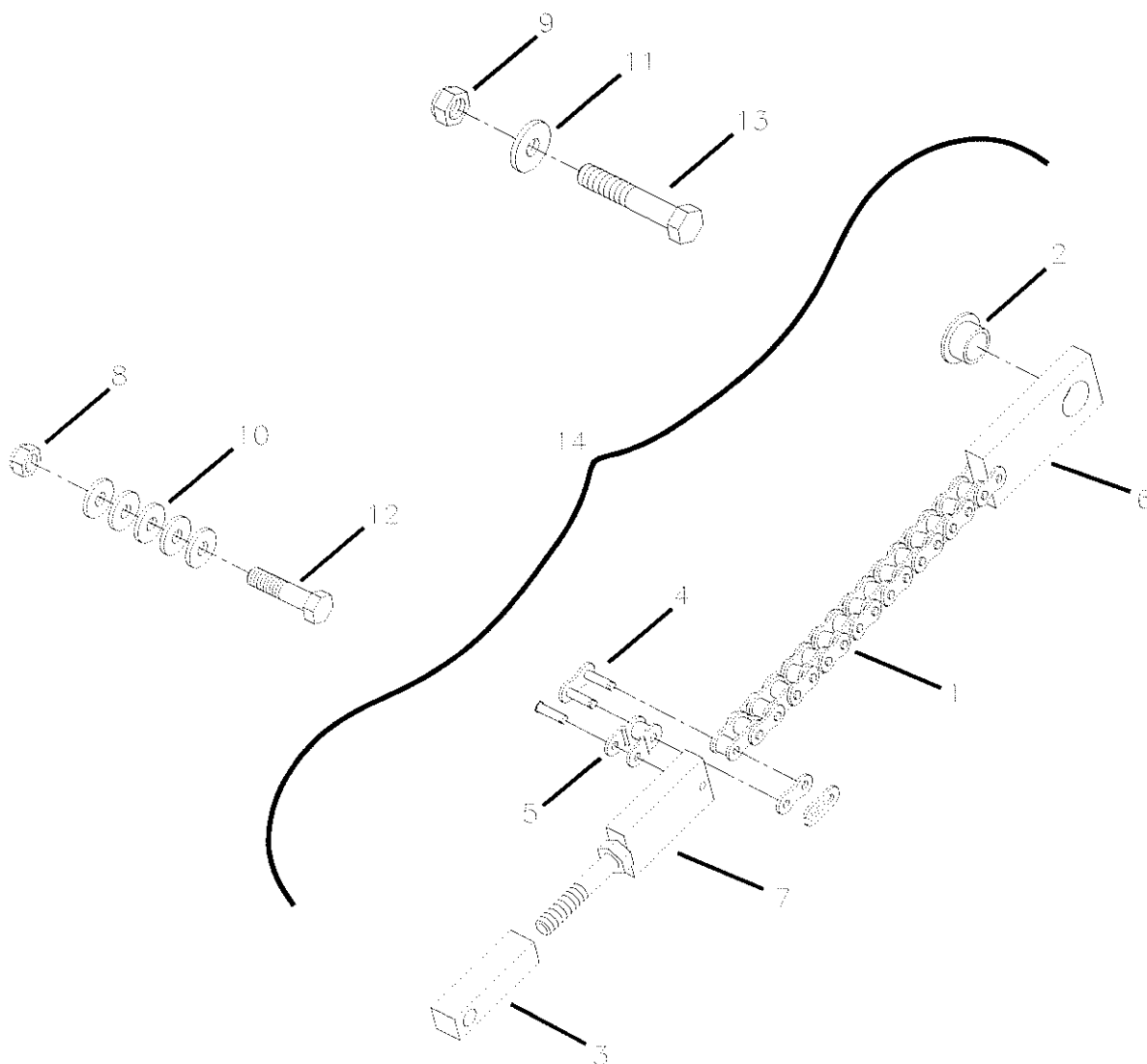
INDEX	PART NUMBER	DESCRIPTION
1	302-4000-00	SWEEP FRAME
2	302-4005-00	SWEEP COLLAR BUSHING
3	302-4015-00	SWEEP BAR, LEFT
4	302-4020-00	SWEEP BAR, CENTER
5	302-4030-00	ADJUSTMENT PLATE
5	302-4030-01	ADJUSTMENT PLATE
6	302-4055-00	SWEEP BRACKET, LEFT
6	302-4055-01	SWEEP BRACKET, LEFT
7	302-4060-00	COLLAR PLATE
8	302-4065-00	COLLAR SHIM
9	302-4070-00	BEARING SHOULDER
10	302-4080-00	BEARING SHOULDER
11	302-4130-00	SHOCK ABSORBER
12	302-4135-00	SLEEVE BEARING
13	302-4140-00	BEARING SHOULDER
13	302-4140-01	BEARING SHOULDER
14	302-4150-00	ROLLER BUSHING
15	302-4160-00	BEARING SHOULDER
16	302-4170-00	BEARING SHOULDER
17	302-6203-00	BALL BEARING
18	303-4000-00	SWEEP COLLAR
19	303-4150-00	ROLLER BUSHING
20	304-1550-00	SLEEVE SHOCK ABSORBER
21	322-4200-00	SWEEP CHAIN ASSEMBLY <i>(see detail page 215C.03)</i>
21	322-4200-01	SWEEP CHAIN ASSEMBLY <i>(see detail page 215D.03)</i>
22	7010-003716-075	HEXAGON CAP SCREW, 3/8"-16 X 3/4"
23	7010-003716-150	HEXAGON CAP SCREW, 3/8"-16 X 1-1/2"
24	7010-003716-200	HEXAGON CAP SCREW, 3/8"-16 X 2"
25	7010-003716-250	HEXAGON CAP SCREW, 3/8"-16 X 2-1/2"
26	7010-003716-275	HEXAGON CAP SCREW, 3/8"-16 X 2-3/4"
27	7010-003716-325	HEXAGON CAP SCREW, 3/8"-16 X 3-1/4"
28	7010-003716-500	HEXAGON CAP SCREW, 3/8"-16 X 5"
29	7020-005000-075	SHOULDER SCREW, 1/2" X 3/4"
30	7036-003716-000	NYLOCK NUT, 3/8"-16
31	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
32	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"
33	7080-800000-012	CUT FLAT WASHER, 3/8" X 43/52" X 7/64"



Sweep

Sweep Chain Assembly (322-4200-00)

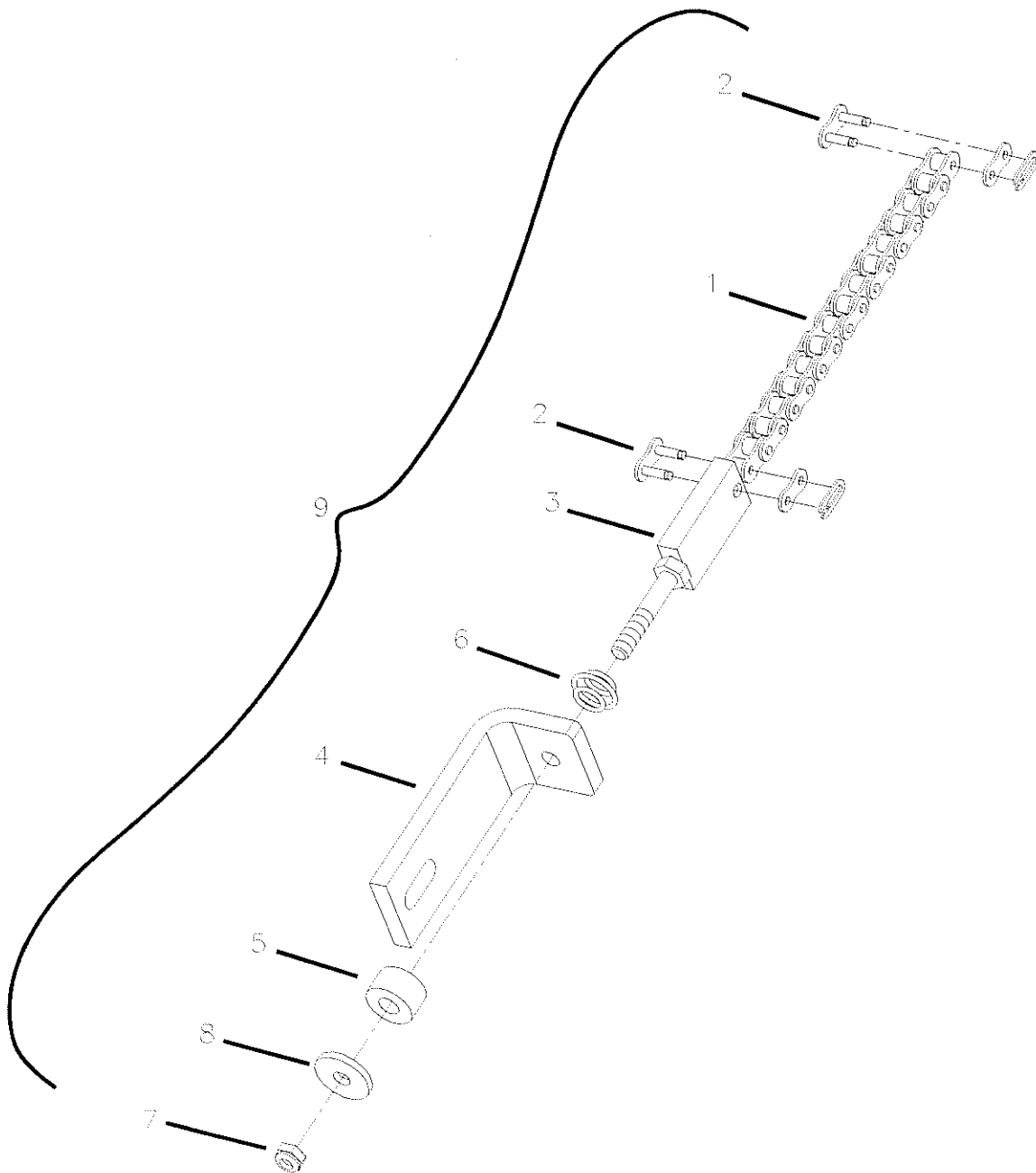
INDEX	PART NUMBER	DESCRIPTION
1	302-4200-00	SWEEP CHAIN
2	302-4205-00	FLANGE BEARING
3	302-4210-00	ADJUSTMENT BLOCK
4	302-4215-00	SWEEP CHAIN COUPLING
5	302-4225-00	SWEEP CHAIN COUPLING, HALF
6	302-4230-00	CHAIN BLOCK, TOP
7	302-4240-00	CHAIN BLOCK, BOTTOM
22	7036-003124-000	NYLOCK NUT 5/16"-24
23	7036-003716-000	NYLOCK NUT 3/8"-16
24	7050-034068-006	FLAT WASHER, 11/32" X 11/16" X 1/16"
25	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
26	7810-003124-150	GRADE 8 HEXAGON CAP SCREW, 5/16"-24 X 1-1/2"
27	7810-003716-250	GRADE 8 HEXAGON CAP SCREW, 3/8" 16 X 2-1/2"
28	322-4200-00	SWEEP CHAIN ASSEMBLY



Sweep

Sweep Chain Assembly (322-4200-01)

INDEX	PART NUMBER	DESCRIPTION
1	302-4200-00	SWEEP CHAIN
2	302-4215-00	SWEEP CHAIN COUPLING
3	302-4240-00	CHAIN BLOCK, BOTTOM
4	302-4250-00	RETAINING BRACKET
5	304-1550-00	SLEEVE SHOCK ABSORBER
6	305-5500-00	SHAFT SPRING
7	7036-003124-000	NYLOCK NUT 5/16"-24
8	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
9	322-4200-01	SWEEP CHAIN ASSEMBLY

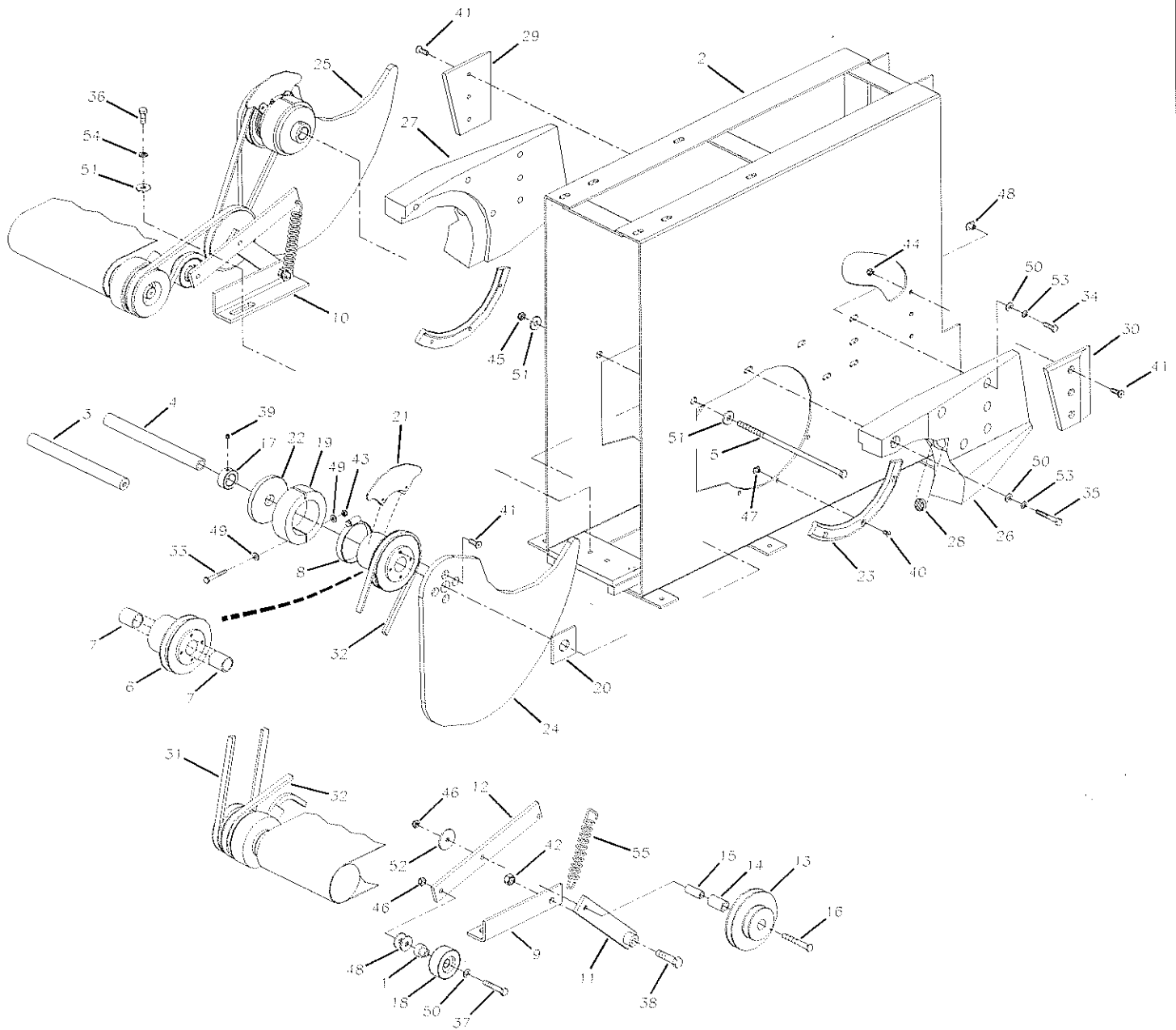


Pit

Kickback Components

INDEX	PART NUMBER	DESCRIPTION
1	302-4500-00	BEARING SHOULDER
2	302-6500-00	KICKBACK FRAME
3	302-6510-00	BALL DOOR SHAFT
4	302-6510-01	BALL DOOR SHAFT
5	302-6515-00	HEXAGONE CAP SCREW, 3/8"-16 X 11-1/2"
6	302-6520-00	HUB PULLEY
7	302-6530-00	SLEEVE BEARING
8	302-6550-00	PIT COLLAR, HS 044
9	302-6580-00	TENSION PLATE, RIGHT
10	302-6585-00	TENSION PLATE, LEFT
11	302-6590-00	MOUNTING PLATE
12	302-6595-00	MOUNTING PLATE
13	302-6600-00	DOUBLE PULLEY
14	302-6620-00	SLEEVE BEARING
15	302-6630-00	BUSHING SHOULDER
16	302-6640-00	SPECIAL BOLT, 3/8" X 2-3/4"
17	302-6670-00	STEEL COLLAR, 1"
18	303-2340-00	FLAT ROLLER
19	303-6510-00	BALL DOOR BRAKE
20	303-6520-00	BALL DOOR SPACER
21	303-6535-00	BALL DOOR ACTUATOR
22	303-6540-00	BRAKE SPACER
23	303-6550-00	PORT GUARD
24	303-6560-00	BALL DOOR, RIGHT
25	303-6565-00	BALL DOOR, LEFT
26	303-6600-00	DEFLECTOR BLOCK, RIGHT
27	303-6605-00	DEFLECTOR BLOCK, LEFT
28	303-6610-00	BALL READY REFLECTOR
29	303-6620-00	DEFLECTOR RIGHT
30	303-6625-00	DEFLECTOR LEFT
31	304-6100-00	PIT BELT, B65
32	304-6500-00	BALL DOOR BELT, 4L 340
33	7010-002520-200	HEXAGON CAP SCREW, 1/4"-20 X 2"
34	7010-003118-100	HEXAGON CAP SCREW, 5/16"-18 X 1"
35	7010-003118-225	HEXAGON CAP SCREW, 5/16"-18 X 2-1/4"
36	7010-003716-100	HEXAGON CAP SCREW, 3/8"-16 X 1"
37	7010-003716-200	HEXAGON CAP SCREW, 3/8"-16 X 2"
38	7010-005013-200	HEXAGON CAP SCREW, 1/2"-13 X 2"
39	7014-003118-025	HEXAGON SOCKET SET SCREW, 5/16"-18 X 1/4"
40	7016-312520-050	FLAT SOCKET HEAD MACHINE SCREW, 1/4"-20 X 1/2"
41	7016-313118-100	FLAT SOCKET HEAD MACHINE SCREW, 5/16"-18 X 1"
42	7034-005013-000	HEXAGON NUT, 1/2"-13
43	7036-002520-000	NYLOCK NUT, 1/4"-20
44	7036-003118-000	NYLOCK NUT, 5/16"-18
45	7036-003716-000	NYLOCK NUT, 3/8"-16
46	7044-003716-000	THIN NYLOCK NUT, 3/8"-16
47	7045-002520-031	TEE NUT, 1/4"-20 X 5/16"
48	7046-003118-037	WELD NUT, 5/16"-18 X 3/8"
49	7050-028062-006	FLAT WASHER, 9/32" X 5/8" X 1/16"
50	7050-034068-006	FLAT WASHER, 11/32" X 11/16" X 1/16"
51	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
52	7050-040175-012	FLAT WASHER, 13/32" X 1-3/4" X 1/8"
53	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
54	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"
55	S-080	TENSION SPRING

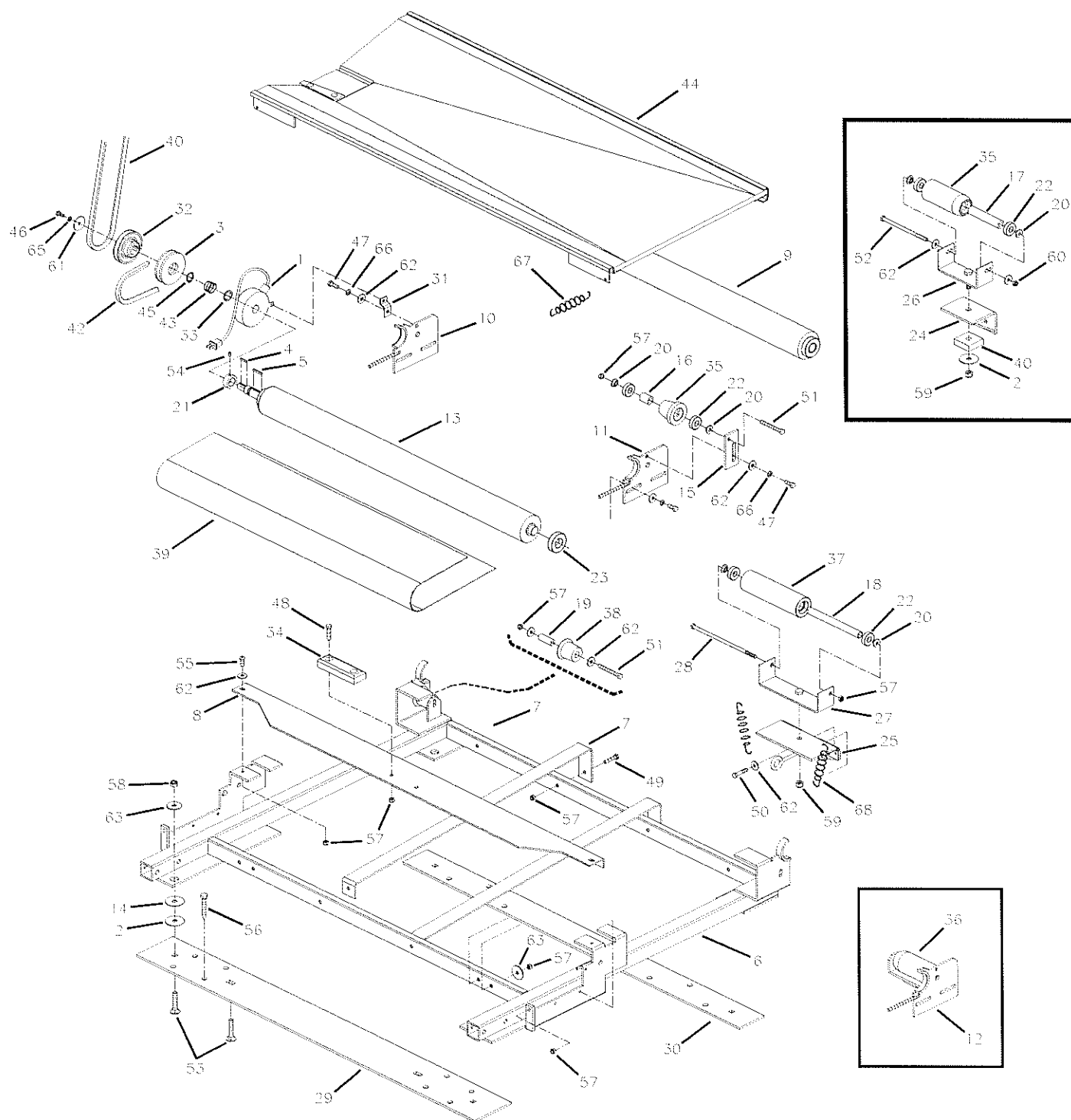
When replacing deflector blocks (303-6600-00 & 303-6605-00), make sure to order some removable thread locker (part number Z-24221) as explained in adjustment 3B of this manual.



Pit

Pinsetter 1 Conveyor Belt Assembly

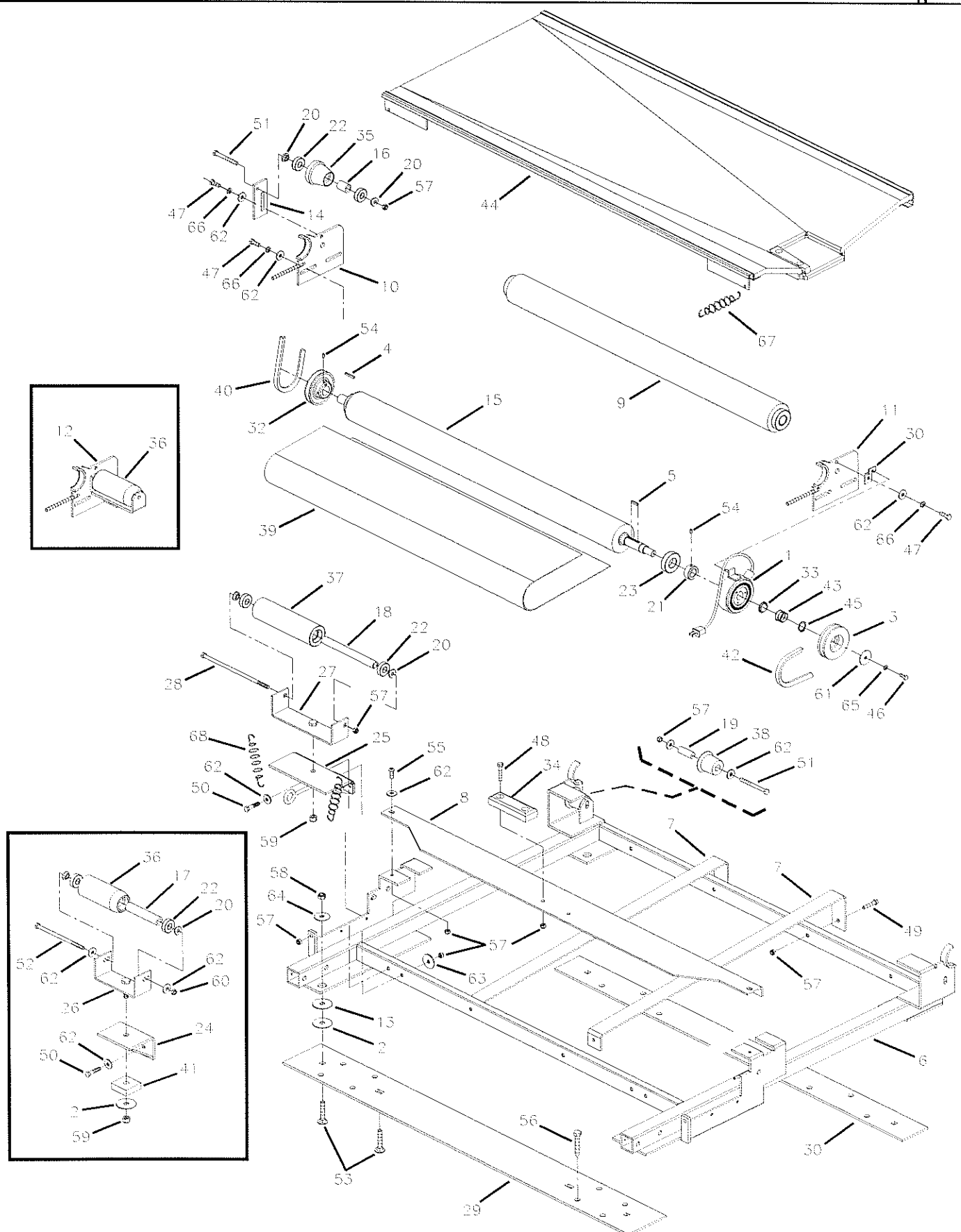
INDEX	PART NUMBER	DESCRIPTION
1	301-1400-00	MAGNETIC CLUTCH
2	302-1126-00	SPECIAL WASHER, 9/16" X 2-1/4" X 1/8"
3	302-2090-00	DRIVE TRAIN PULLEY
4	302-2410-00	MACHINE KEY, 3/16" X 1"
5	302-2430-00	MACHINE KEY, 3/16" X 1-3/8"
6	302-6000-00	PIT FRAME
7	302-6010-00	CARPET GUIDE
8	302-6020-00	CARPET SUPPORT
9	302-6025-00	CONVEYOR ROLLER, FRONT
10	302-6030-00	TENSION PLATE, RIGHT
11	302-6035-00	TENSION PLATE, LEFT
12	302-6045-00	TENSION PLATE, LEFT LANE, LEFT SIDE
13	302-6050-00	CONVEYOR ROLLER, LEFT LANE, REAR
14	302-6062-00	SPECIAL WASHER
15	302-6070-00	GUIDE SUPPORT
16	302-6080-00	SLEEVE BEARING
17	302-6090-00	SLEEVE BEARING
18	302-6090-01	SLEEVE BEARING
19	302-6100-00	SLEEVE BEARING
20	302-6180-00	BEARING SHOULDER
21	302-6190-00	CLUTCH COLLAR
22	302-6203-00	BALL BEARING
23	302-6206-00	BALL BEARING
24	302-6250-00	SUPPORT BRACKET
25	302-6250-01	SUPPORT BRACKET
26	302-6260-00	TENSIN ROLLER BRACKET
27	302-6260-01	TENSIN ROLLER BRACKET
28	302-6270-00	HEX CAP SCREW
29	302-6400-00	MOUNTING PLATE, REAR
30	302-6410-00	MOUNTING PLATE, FRONT
31	302-6420-00	CLUTCH BRACKET
32	302-6610-00	PIT PULLEY
33	303-2010-00	SPRING GUIDE
34	303-6020-00	CARPET SUPPORT, CENTER
35	303-6070-00	GUIDE WHEEL
36	303-6090-00	TENSION GUIDE
37	303-6090-01	TENSION GUIDE
38	303-6100-00	GUIDE WHEEL
39	304-6000-00	PIT CONVEYOR BELT
40	304-6100-00	PIT BELT, B65
41	304-6250-00	SHOCK ABSORBER
42	304-6500-00	BALL DOOR BELT, 4L 340
43	305-2000-00	DRIVE TRAIN SPRING
44	333-6175-00	PIT TABLE ASSEMBLY, LEFT LANE
45	7002-720000-098	EXTERNAL RETAINING RING, 63/64"
46	7010-003118-075	HEXAGON CAP SCREW, 5/16"-18 X 3/4"
47	7010-003716-100	HEXAGON CAP SCREW, 3/8"-16 X 1"
48	7010-003716-125	HEXAGON CAP SCREW, 3/8"-16 X 1-1/4"
49	7010-003716-175	HEXAGON CAP SCREW, 3/8"-16 X 1-3/4"
50	7010-003716-200	HEXAGON CAP SCREW, 3/8"-16 X 2"
51	7010-003716-325	HEXAGON CAP SCREW, 3/8"-16 X 3-1/4"
52	7010-003716-700	HEXAGON CAP SCREW, 3/8"-16 X 7"
53	7012-005013-250	CARRIAGE BOLT, 1/2"-13 X 2-1/2"
54	7018-002520-050	HEXAGON SOCKET CAP SCREW, 1/4"-20 X 1/2"
55	7018-503716-100	BUTTON HEAD HEXAGON SOCKET CAP SCREW, 3/8"-16 X 1"
56	7028-005000-175	LAG SCREW, 1/2" X 1-3/4"
57	7036-003716-000	NYLOCK NUT, 3/8"-16
58	7036-005013-000	NYLOCK NUT, 1/2"-13
59	7036-005020-000	NYLOCK NUT, 1/2"-13
60	7044-003716-000	THIN NYLOCK NUT, 3/8"-16
61	7050-034175-012	FLAT WASHER, 11/32" X 1-3/4" X 1/8"
62	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
63	7050-040175-012	FLAT WASHER, 13/32" X 1-3/4" X 1/8"
64	7050-051175-012	FLAT WASHER, 33/64" X 1-3/4" X 1/8"
65	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
66	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"
67	S-071	TENSION SPRING
68	S-080	TENSION SPRING



Pit

Pinsetter 2 Conveyor Belt Assembly

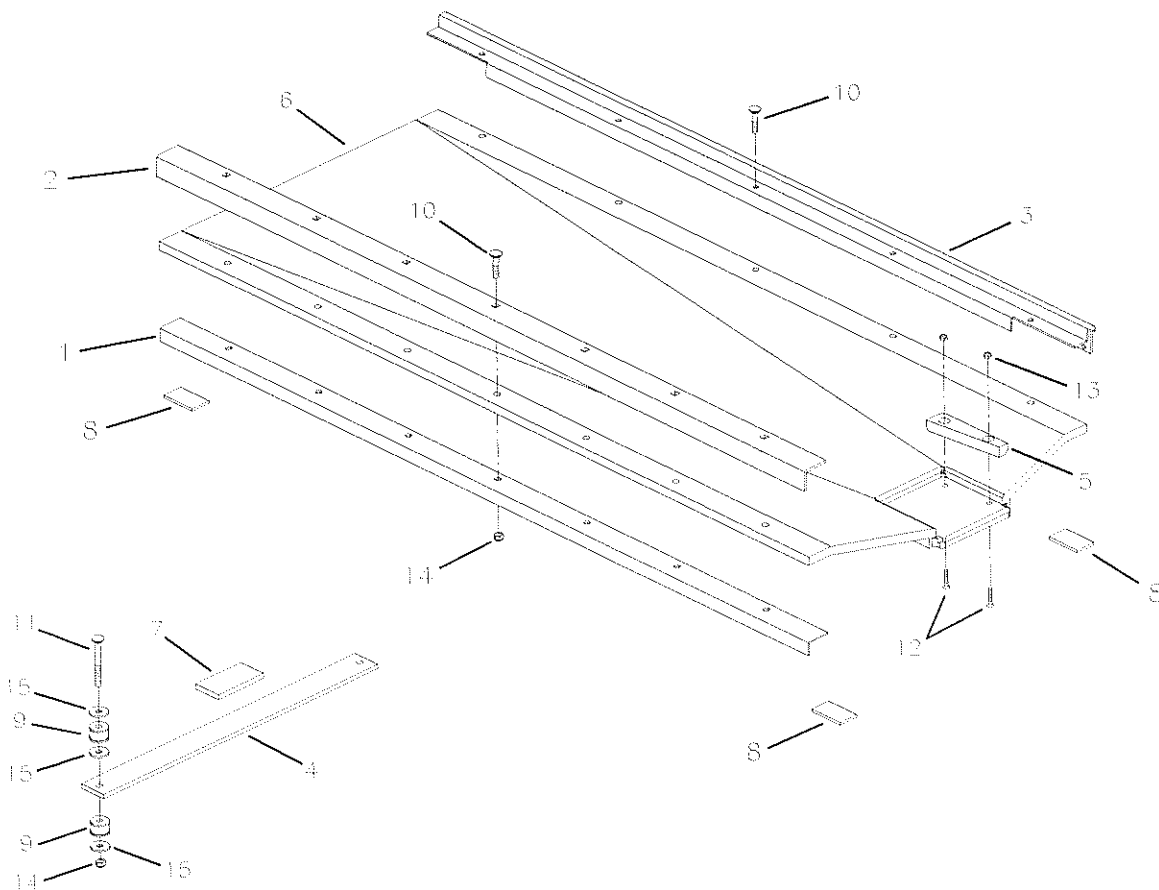
INDEX	PART NUMBER	DESCRIPTION
1	301-1400-00	MAGNETIC CLUTCH
2	302-1126-00	SPECIAL WASHER, 9/16" X 2-1/4" X 1/8"
3	302-2090-00	DRIVE TRAIN PULLEY
4	302-2410-00	MACHINE KEY, 3/16" X 1"
5	302-2430-00	MACHINE KEY, 3/16" X 1-3/8"
6	302-6000-00	PIT FRAME
7	302-6010-00	CARPET GUIDE
8	302-6020-00	CARPET SUPPORT
9	302-6025-00	CONVEYOR ROLLER, FRONT
10	302-6030-00	TENSION PLATE, RIGHT
11	302-6035-00	TENSION PLATE, LEFT
12	302-6040-00	TENSION PLATE, RIGHT LANE, RIGHT SIDE
13	302-6062-00	SPECIAL WASHER
14	302-6070-00	GUIDE SUPPORT
15	302-6075-00	CONVEYOR ROLLER, RIGHT LANE, REAR
16	302-6080-00	SLEEVE BEARING
17	302-6090-00	SLEEVE BEARING
18	302-6090-01	SLEEVE BEARING
19	302-6100-00	SLEEVE BEARING
20	302-6180-00	BEARING SHOULDER
21	302-6190-00	CLUTCH COLLAR
22	302-6203-00	BALL BEARING
23	302-6206-00	BALL BEARING
24	302-6250-00	SUPPORT BRACKET
25	302-6250-01	SUPPORT BRACKET
26	302-6260-00	TENSIN ROLLER BRACKET
27	302-6260-01	TENSIN ROLLER BRACKET
28	302-6270-00	HEX CAP SCREW
29	302-6400-00	MOUNTING PLATE, REAR
30	302-6410-00	MOUNTING PLATE, FRONT
31	302-6420-00	CLUTCH BRACKET
32	302-6610-00	PIT PULLEY
33	303-2010-00	SPRING GUIDE
34	303-6020-00	CARPET SUPPORT, CENTER
35	303-6070-00	GUIDE WHEEL
36	303-6090-00	TENSION GUIDE
37	303-6090-01	TENSION GUIDE
38	303-6100-00	GUIDE WHEEL
39	304-6000-00	PIT CONVEYOR BELT
40	304-6100-00	PIT BELT, B65
41	304-6250-00	SHOCK ABSORBER
42	304-6500-00	BALL DOOR BELT, 4L 340
43	305-2000-00	DRIVE TRAIN SPRING
44	333-6170-00	PIT TABLE ASSEMBLY, RIGHT LANE
45	7002-720000-098	EXTERNAL RETAINING RING, 63/64"
46	7010-003118-075	HEXAGON CAP SCREW, 5/16"-18 X 3/4"
47	7010-003716-100	HEXAGON CAP SCREW, 3/8"-16 X 1"
48	7010-003716-125	HEXAGON CAP SCREW, 3/8"-16 X 1-1/4"
49	7010-003716-175	HEXAGON CAP SCREW, 3/8"-16 X 1-3/4"
50	7010-003716-200	HEXAGON CAP SCREW, 3/8"-16 X 2"
51	7010-003716-325	HEXAGON CAP SCREW, 3/8"-16 X 3-1/4"
52	7010-003716-700	HEXAGON CAP SCREW, 3/8"-16 X 7"
53	7012-005013-250	CARRIAGE BOLT, 1/2"-13 X 2-1/2"
54	7018-002520-050	HEXAGON SOCKET CAP SCREW, 1/4"-20 X 1/2"
55	7018-503716-100	BUTTON HEAD HEXAGON SOCKET CAP SCREW, 3/8"-16 X 1"
56	7028-005000-175	LAG SCREW, 1/2" X 1-3/4"
57	7036-003716-000	NYLOCK NUT, 3/8"-16
58	7036-005013-000	NYLOCK NUT, 1/2"-13
59	7036-005020-000	NYLOCK NUT, 1/2"-13
60	7044-003716-000	THIN NYLOCK NUT, 3/8"-16
61	7050-034175-012	FLAT WASHER, 11/32" X 1-3/4" X 1/8"
62	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
63	7050-040175-012	FLAT WASHER, 13/32" X 1-3/4" X 1/8"
64	7050-051175-012	FLAT WASHER, 33/64" X 1-3/4" X 1/8"
65	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
66	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"
67	S-071	TENSION SPRING
68	S-080	TENSION SPRING



Pit

Pit Table Assemblies (333-6175-00)

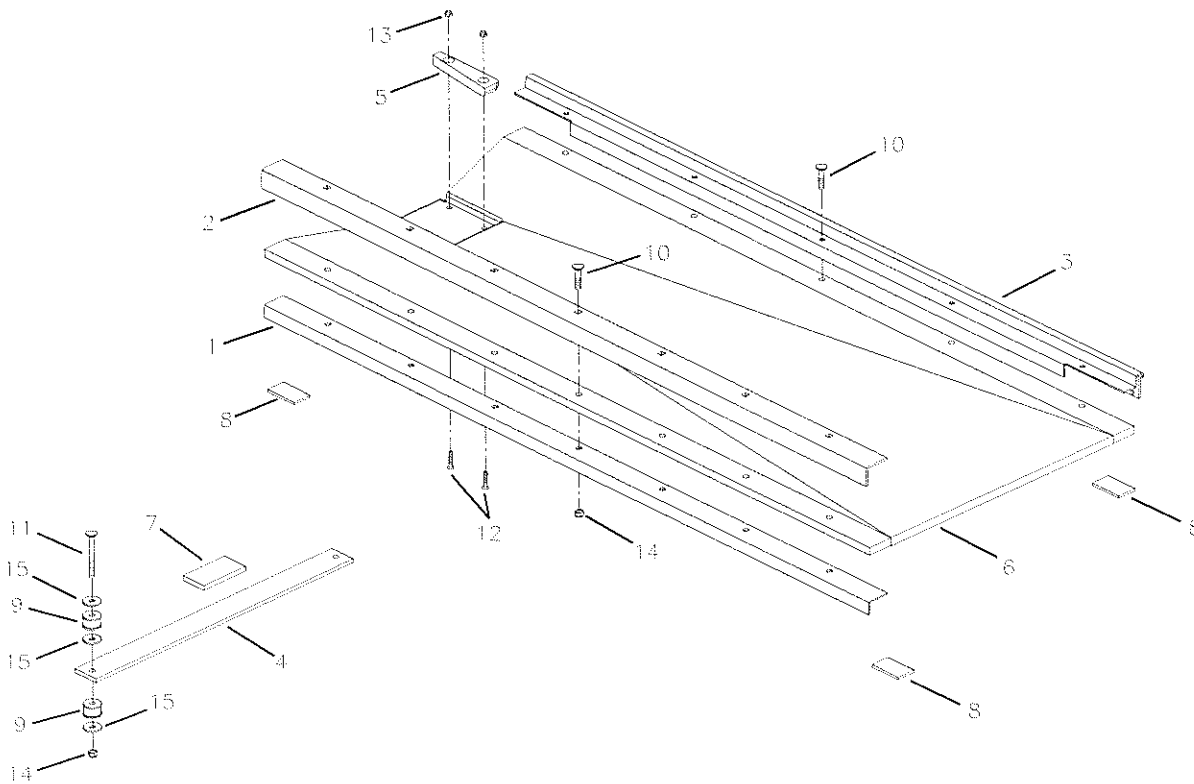
INDEX	PART NUMBER	DESCRIPTION
1	302-6165-00	TABLE SUPPORT, FRONT BOTTOM
2	302-6170-01	TABLE SUPPORT, FRONT
3	302-6175-00	TABLE SUPPORT, REAR
4	302-6176-00	TABLE SUPPORT, CENTER
5	303-6015-00	TABLE WEDGE, LEFT LANE
6	303-6175-00	PIT TABLE, LEFT LANE
7	304-6170-00	INSULATION PAD
8	304-6180-00	INSULATION PAD
9	304-6190-00	INSULATION PAD
10	7012-003716-150	CARRIAGE BOLT, 3/8"-16 X 1-1/2"
11	7012-003716-350	CARRIAGE BOLT, 3/8"-16 X 3-1/2"
12	7016-312520-125	FLAT SOCKET HEAD MACHINE SCREW, 1/4"-20 X 1-1/4"
13	7036-002520-000	NYLOCK NUT, 1/4"-20
14	7036-003716-000	NYLOCK NUT, 3/8"-16
15	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"



Pit

Pit Table Assemblies (333-6170-00)

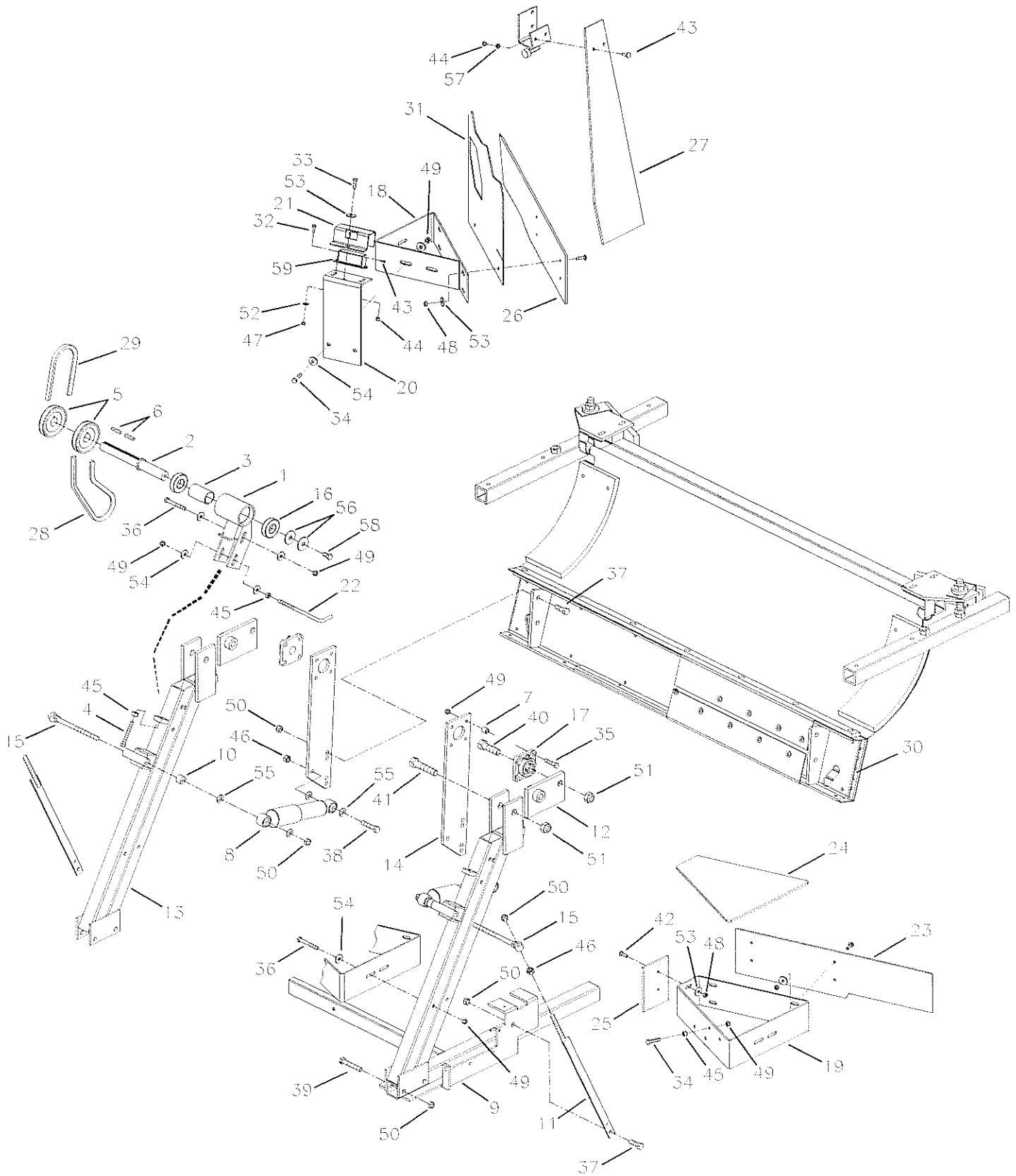
INDEX	PART NUMBER	DESCRIPTION
1	302-6165-00	TABLE SUPPORT, FRONT BOTTOM
2	302-6170-01	TABLE SUPPORT, FRONT
3	302-6175-00	TABLE SUPPORT, REAR
4	302-6176-00	TABLE SUPPORT, CENTER
5	303-6010-00	TABLE WEDGE, RIHT LANE
6	303-6170-00	PIT TABLE, RIGHT LANE
7	304-6170-00	INSULATION PAD
8	304-6180-00	INSULATION PAD
9	304-6190-00	INSULATION PAD
10	7012-003716-150	CARRIAGE BOLT, 3/8"-16 X 1-1/2"
11	7012-003716-350	CARRIAGE BOLT, 3/8"-16 X 3-1/2"
12	7016-312520-125	FLAT SOCKET HEAD MACHINE SCREW, 1/4"-20 X 1-1/4"
13	7036-002520-000	NYLOCK NUT, 1/4"-20
14	7036-003716-000	NYLOCK NUT, 3/8"-16
15	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"



Pit

Pinsetter I Cushion Components

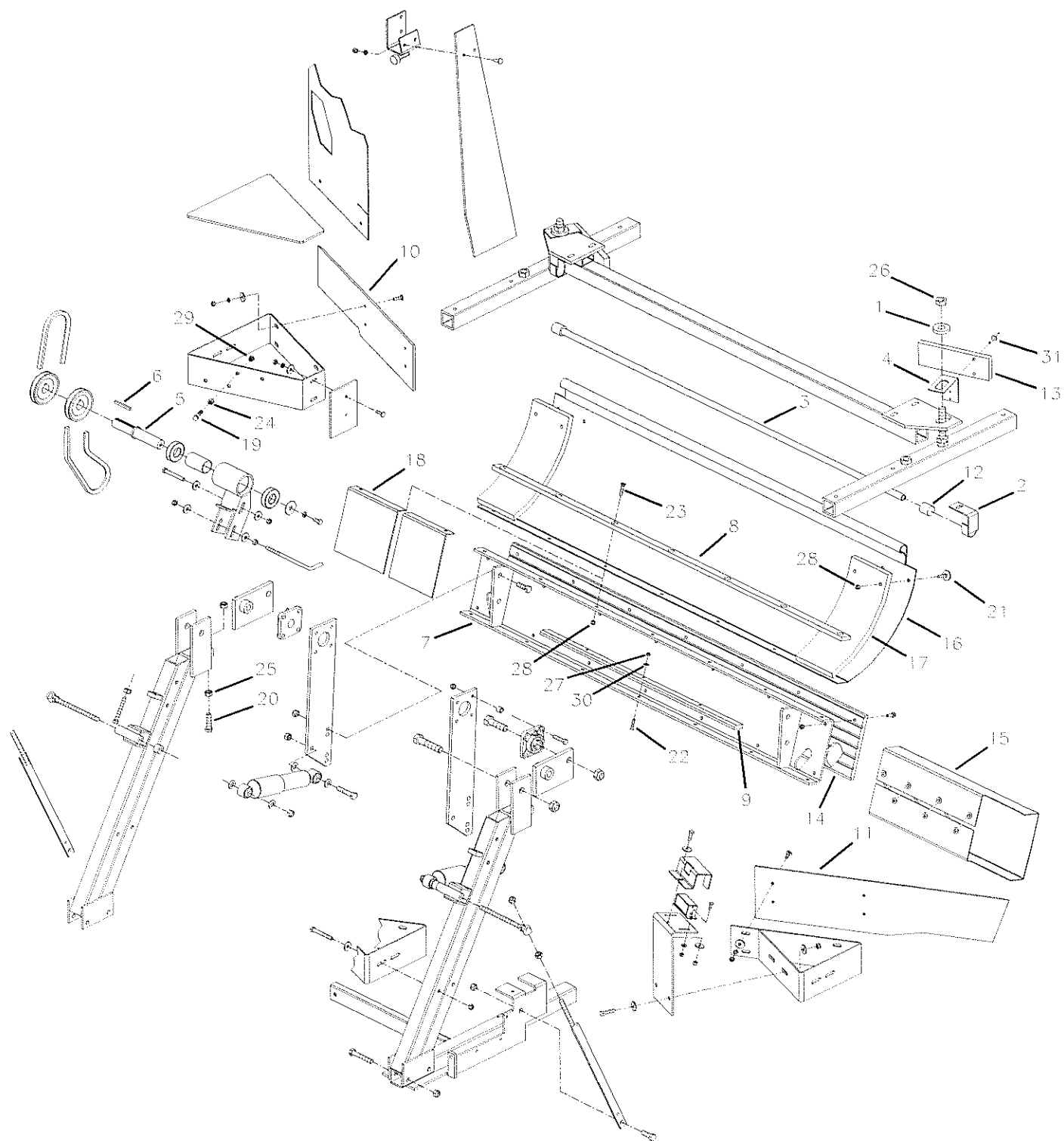
INDEX	PART NUMBER	DESCRIPTION
1	302-2260-00	DRIVE TRAIN HUB
2	302-2275-00	DRIVE TRAIN SHAFT, LEFT LANE
3	302-2280-00	HUB SPACER
4	302-2290-00	TENSIONER ROD
5	302-2310-00	DRIVE TRAIN PULLEY
6	302-2470-00	MACHINE KEY, 1/4" X 1-1/2"
7	302-3020-00	SPACER BUSHING
8	302-4130-00	SHOCK ABSORBER
9	302-6000-00	PIT FRAME
10	302-6060-00	SHOCK ABSORBER SPACER
11	302-6110-00	TENSION ROD
12	302-6120-00	PIVOT BLOCK
13	302-6130-00	SUPPORT ARM
14	302-6140-00	MOUNTING PLATE
15	302-6160-00	THREAD ROD
16	302-6206-00	BALL BEARING
17	302-6211-00	FLANGE BALL BEARING, 3/4"
18	302-6300-00	BAFFLE STOP
19	302-6310-00	PIT DEFLECTOR
20	302-6320-00	PIT BRACKET
21	302-6330-00	TRANSMITTER COVER
22	302-6350-00	THREAD ROD
23	303-6305-00	PIT DEFLECTOR, LEFT LANE, LEFT SIDE
24	303-6310-00	DEFLECTOR COVER
25	303-6320-00	PIT DEFLECTOR, SIDE
26	303-6330-00	PIT DEFLECTOR, LEFT LANE, RIGHT SIDE
27	303-6350-00	PIN DEFLECTOR
28	304-6050-00	PIT BELT, B107
29	304-6100-00	PIT BELT, B65
30	304-6110-00	PIT CUSHION, LEFT LANE
31	304-6200-00	PIT APRON, SMALL
32	7010-002520-075	HEXAGON CAP SCREW, 1/4"-20 X 3/4"
33	7010-003118-100	HEXAGON CAP SCREW, 5/16"-18 X 1"
34	7010-003716-150	HEXAGON CAP SCREW, 3/8"-16 X 1-1/2"
35	7010-003716-200	HEXAGON CAP SCREW, 3/8"-16 X 2"
36	7010-003716-300	HEXAGON CAP SCREW, 3/8"-16 X 3"
37	7010-005013-150	HEXAGON CAP SCREW, 1/2"-13 X 1-1/2"
38	7010-005013-250	HEXAGON CAP SCREW, 1/2"-13 X 2-1/2"
39	7010-005013-325	HEXAGON CAP SCREW, 1/2"-13 X 3-1/2"
40	7010-007510-250	HEXAGON CAP SCREW, 3/4"-10 X 2-1/2"
41	7010-007510-350	HEXAGON CAP SCREW, 3/4"-10 X 3-1/2"
42	7012-003118-100	CARRIAGE BOLT, 5/16"-18 X 1"
43	7018-500632-050	HEXAGON SOCKET CAP, /6-32 X 1/2"
44	7034-003118-000	HEXAGON NUT, 5/16"-18
45	7034-003716-000	HEXAGON NUT, 3/8"-16
46	7034-005013-000	HEXAGON NUT, 1/2"-13
47	7036-002520-000	NYLOCK NUT, 1/4"-20
48	7036-003118-000	NYLOCK NUT, 5/16"-18
49	7036-003716-000	NYLOCK NUT, 3/8"-16
50	7036-005013-000	NYLOCK NUT, 1/2"-13
51	7044-007510-000	THIN NYLOCK NUT, 3/4"-10
52	7050-034068-006	FLAT WASHER, 11/32" X 11/16" X 1/16"
53	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
54	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
55	7050-050106-009	FLAT WASHER, 1/2" X 1-1/16" X 3/32"
56	7050-051175-012	FLAT WASHER, 33/64" X 1-3/4" X 1/8"
57	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
58	7510-005020-100	GRADE 5 HEXAGON CAP SCREW, 1/2"-20 X 1"
59	SB-1500-40	BALL READY TRANSMITTER ASSEMBLY



Pit

Pinsetter 2 Cushion Components

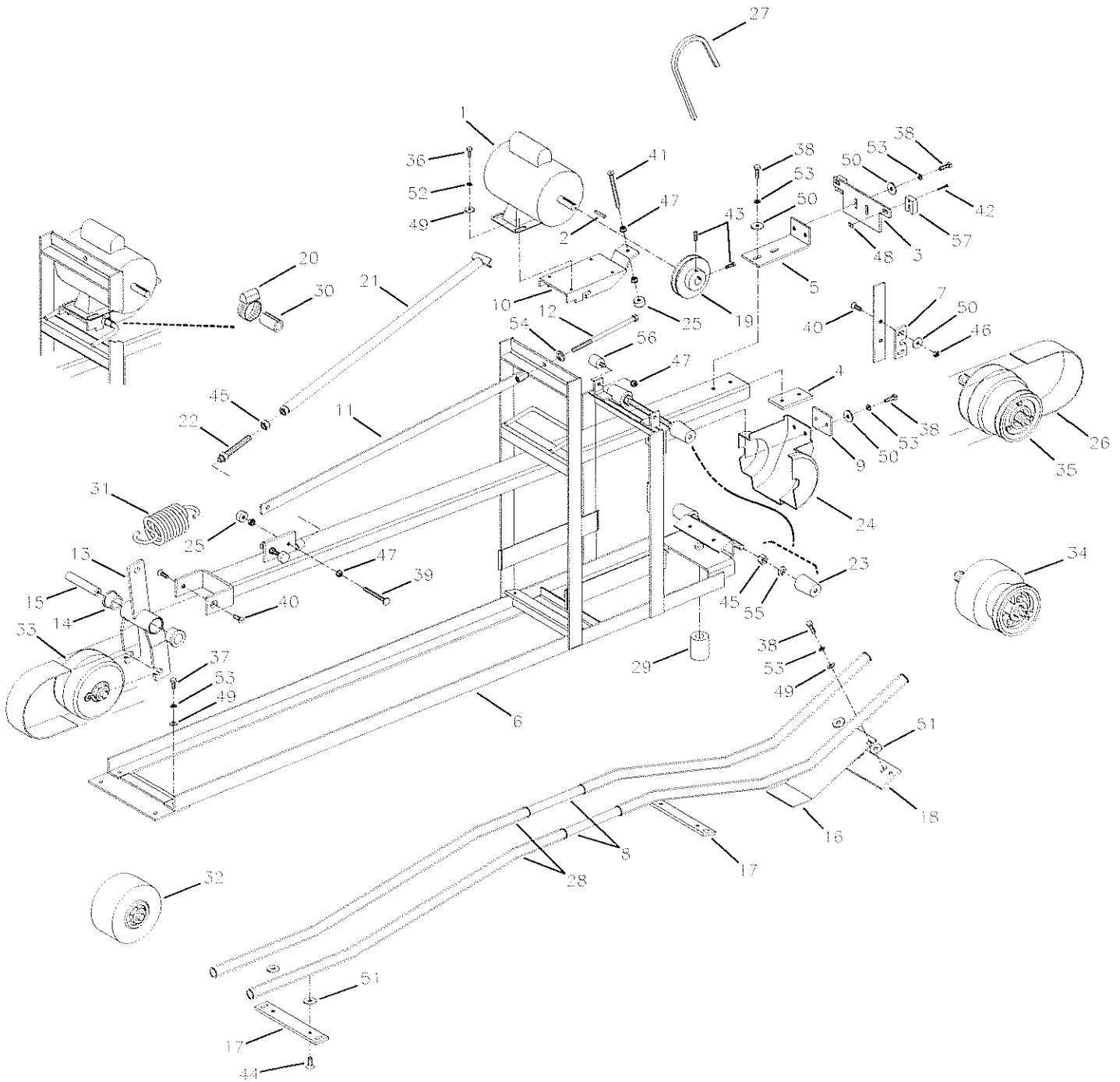
INDEX	PART NUMBER	DESCRIPTION
1	302-0260-00	SPACER WASHER, 3/4" X 2" X 3/8"
2	302-0400-00	SUPPORT BRACKET
3	302-0410-00	APRON ROD
4	302-0480-00	MOUNTING BRACKET
5	302-2270-00	DRIVE TRAIN SHAFT, RIGHT LANE
6	302-2460-00	MACHINE KEY, 1/4" X 2-1/2"
7	302-6150-00	PIT CUSHION FRAME
8	303-6150-00	ATTACHMENT PLATE
9	303-6160-00	CUSHION MOULDING
10	303-6300-00	PIT DEFLECTOR, RIGHT LANE, RIGHT SIDE
11	303-6335-00	PIT DEFLECTOR, RIGHT LANE, LEFT SIDE
12	304-0410-00	APRON ROD CAP
13	304-0480-00	FRAME PAD
14	304-6115-00	PIT CUSHION, RIGHT LANE
15	304-6150-00	CUSHION COVER
16	304-6300-00	PIT APRON, LARGE
17	304-6305-00	APRON REINFORCEMENT
18	304-6310-00	BACK CUSHION PROTECTOR
19	7010-003716-150	HEXAGON CAP SCREW, 3/8"-16 X 1-1/2"
20	7010-005013-250	HEXAGON CAP SCREW, 1/2"-13 X 2-1/2"
21	7013-003118-150	ELEVATOR BOLT, 5/16"-18 X 1-1/2"
22	7016-312520-125	FLAT SOCKET HEAD MACHINE SCREW, 1/4"-20 X 1-1/4"
23	7016-313118-150	FLAT SOCKET HEAD MACHINE SCREW, 5/16"-18 X 1-1/2"
24	7034-003716-000	HEXAGON NUT, 3/8"-16
25	7034-005013-000	HEXAGON NUT, 1/2"-13
26	7034-007510-000	HEXAGON NUT, 3/4"-10
27	7036-002520-000	NYLOCK NUT, 1/4"-20
28	7036-003118-000	NYLOCK NUT, 5/16"-18
29	7036-003716-000	NYLOCK NUT, 3/8"-16
30	7050-028062-006	FLAT WASHER, 9/32" X 5/8" X 1/16"
31	7108-701800-100	LARGE FLANGE HEAD ALUMINUM POP RIVET, 3/16" X 1"



Ball Accelerator

Main Components

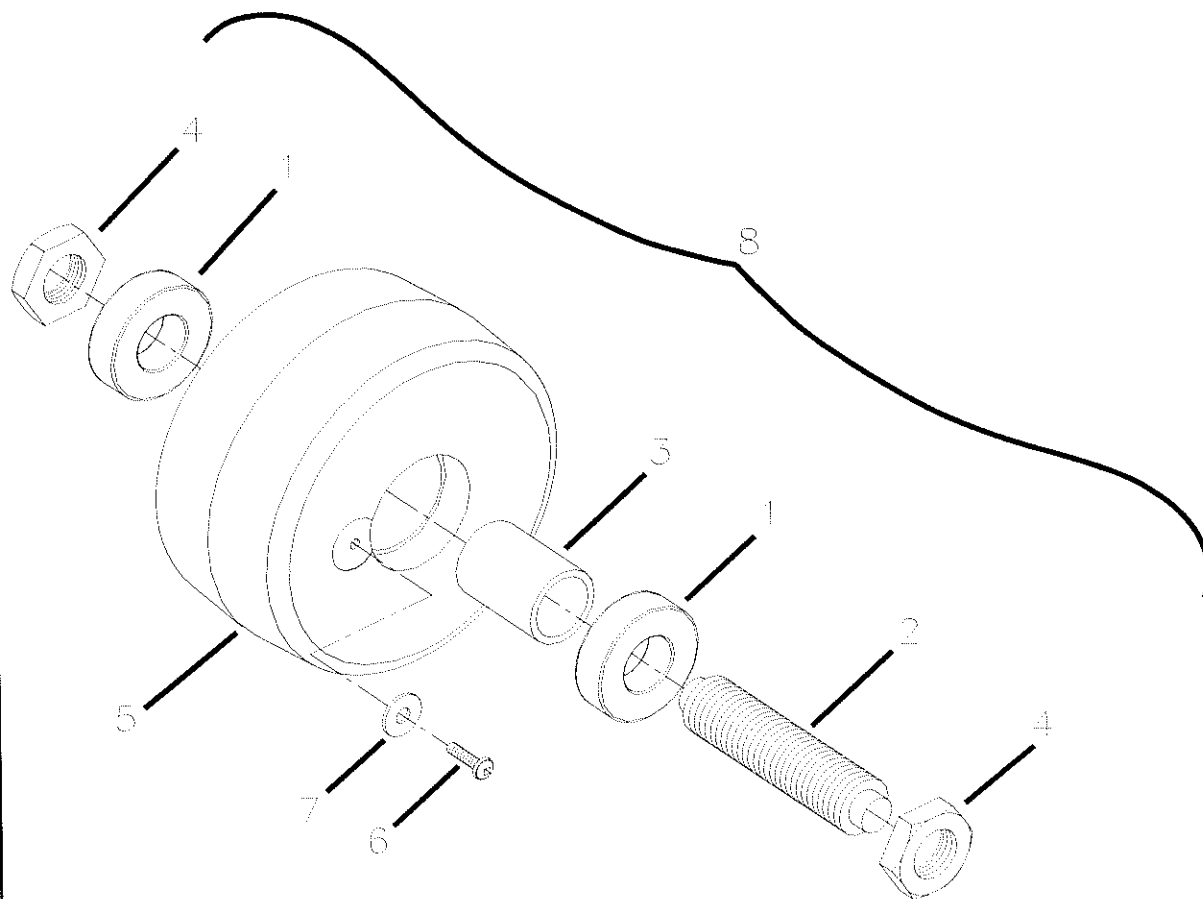
INDEX	PART NUMBER	DESCRIPTION
1	301-1300-00	ACCELERATOR MOTOR, 208/230VAC 1/3HP
2	302-2430-00	MACHINE KEY, 3/16" X 1-3/8"
3	302-6560-00	MOUNTING PLATE
4	302-6565-00	MOUNTING PLATE
5	302-6570-00	ACCELERATOR BRACKET
6	302-9000-00	ACCELERATOR FRAME
7	302-9010-00	ADJUSTMENT PLATE
8	302-9020-00	ACCELERATOR TRACK
9	302-9030-00	REINFORCEMENT PLATE
10	302-9060-00	SUPPORT BRACKET
11	302-9070-00	TENSION BAR
12	302-9075-00	TENSION ROD
13	302-9090-00	TENSION BRACKET
14	302-9095-00	FLANGE BEARING
15	302-9100-00	ACCELERATOR SHAFT
16	302-9120-00	SUPPORT PLATE
17	302-9180-00	ATTACHMENT PLATE
18	302-9190-00	ATTACHMENT PLATE
19	302-9200-00	ACCELERATOR PULLEY
20	302-9210-00	STEEL COLLAR, SIZE 8
21	302-9220-00	STABILIZER ARM
22	302-9230-00	ADJUSTMENT ROD
23	303-6530-00	BALL DOOR STOPPER
24	303-9030-00	BELT GUARD
25	304-1560-00	BUMPER PAD
26	304-9000-00	ACCELERATOR BELT
27	304-9010-00	ACCELERATOR MOTOR BELT, 4L 390
28	304-9020-00	TRACK TUBING
29	304-9030-00	POSITIONING TUBE
30	304-9210-00	COLLAR TUBING
31	305-9080-00	ACCELERATOR SPRING
32	333-9110-00	TENSION WHEEL ASSEMBLY (see detail page 231A.03)
33	333-9110-01	TENSION WHEEL ASSEMBLY (see detail page 230.03)
34	333-9140-00	DRIVE WHEEL ASSEMBLY (see detail page 231B.03)
35	333-9140-01	DRIVE WHEEL ASSEMBLY (see detail page 231.03)
36	7010-002520-075	HEXAGON CAP SCREW, 1/4"-20 X 3/4"
37	7010-003118-075	HEXAGON CAP SCREW, 5/16"-18 X 3/4"
38	7010-003118-100	HEXAGON CAP SCREW, 5/16"-18 X 1"
39	7012-003118-300	CARRIAGE BOLT, 5/16"-18 X 3"
40	7016-313118-100	FLAT SOCKET HEAD MACHINE SCREW, 5/16"-18 X 1"
41	7016-313118-400	FLAT SOCKET HEAD MACHINE SCREW, 5/16"-18 X 4"
42	7016-410632-100	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 1"
43	7018-003118-075	HEXAGON SOCKET SET SCREW, 5/16"-18 X 3/4"
44	7018-303716-100	FLAT HEAD HEXAGON SOCKET CAP SCREW, 3/8"-16 X 1"
45	7034-005013-000	HEXAGON NUT, 1/2"-13
46	7036-003118-000	NYLOCK NUT, 5/16"-18
47	7038-003118-000	HEXAGON K-LOCK NUT, 5/16"-18
48	7046-000632-006	WELD NUT, #6-32 X 1/16"
49	7050-034068-006	FLAT WASHER, 11/32" X 1 1/16" X 1/16"
50	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
51	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
52	7060-025046-006	LOCK WASHER, 1/4" X 15/32" X 1/16"
53	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
54	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"
55	7060-050087-012	LOCK WASHER, 1/2" X 7/8" X 1/8"
56	R-014	BUMPER PAD
57	SB-ECIL-325-FS	OPTICAL SENSOR ASSEMBLY



Ball Accelerator

Tension Wheel Assembly (333-9110-01)

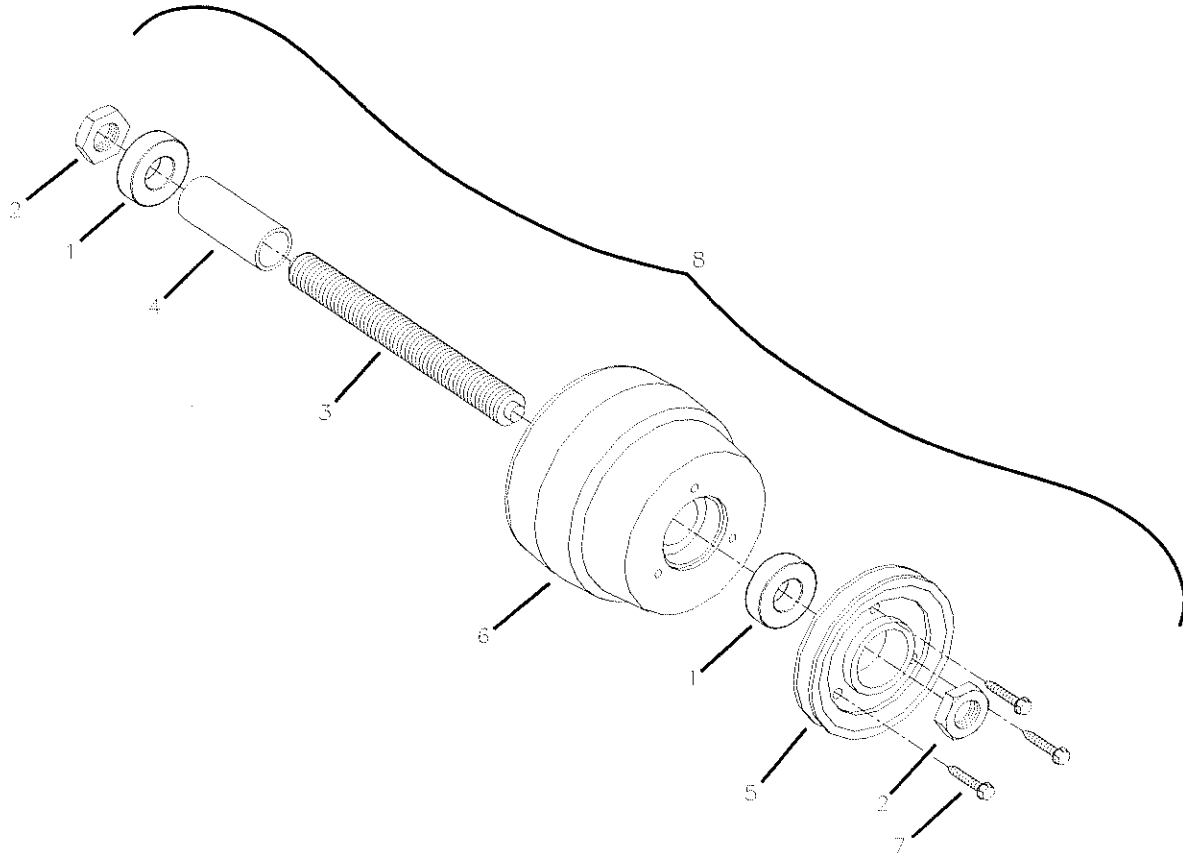
INDEX	PART NUMBER	DESCRIPTION
1	302-6205-00	BALL BEARING
2	302-9110-00	TENSION WHEEL SHAFT
3	302-9111-00	TENSION WHEEL SPACER
4	302-9130-00	HEXAGON NUT
5	303-9110-01	TENSION WHEEL
6	7016-411032-062	ROUND SOCKET HEAD MACHINE SCREW, #10-32 X 5/8"
7	7150-019075-009	ALUMINUM FLAT WASHER, 0.193" X 3/4" X 3/32"
8	333-9110-01	TENSION WHEEL ASSEMBLY



Ball Accelerator

Drive Wheel Assembly (333-9140-01)

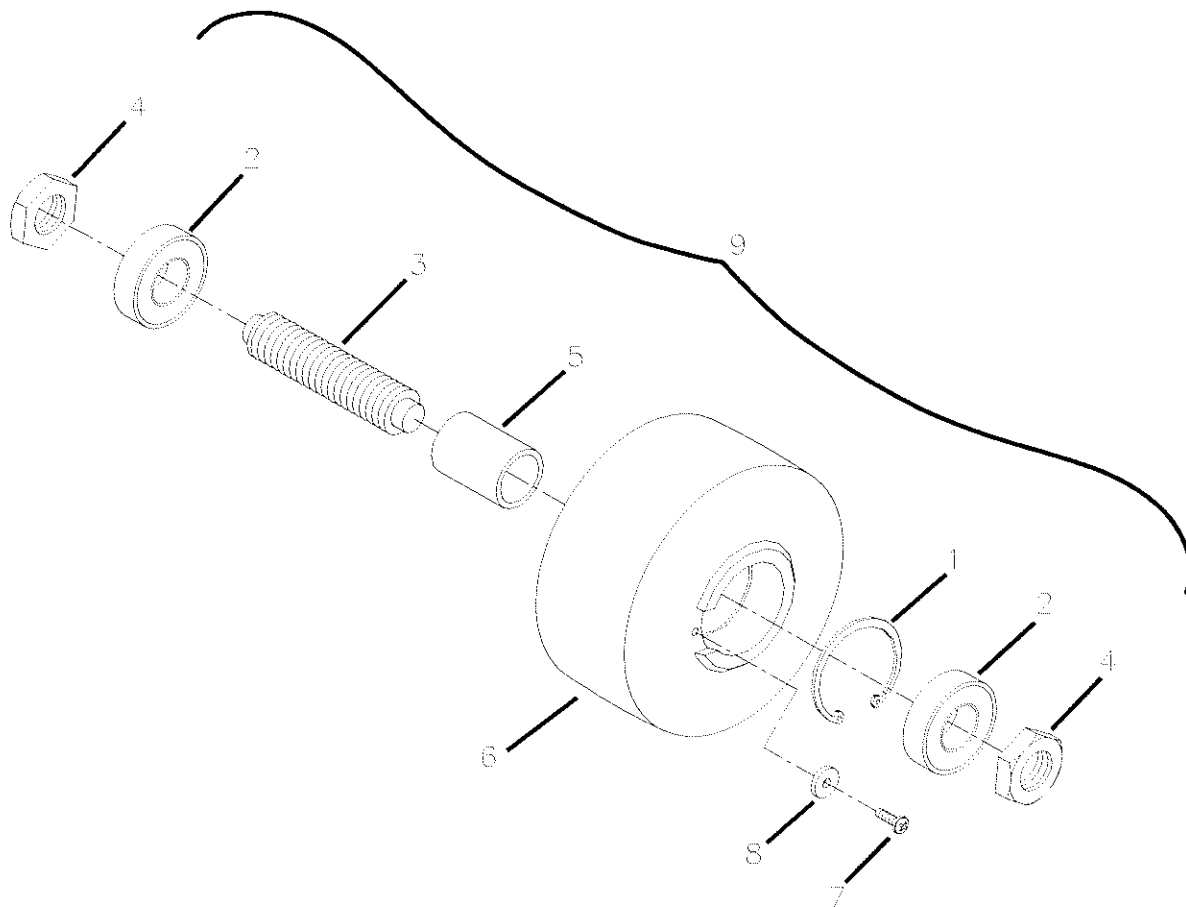
INDEX	PART NUMBER	DESCRIPTION
1	302-6205-00	BALL BEARING
2	302-9130-00	HEXAGON NUT
3	302-9140-00	DRIVE WHEEL SHAFT
4	302-9141-00	DRIVE WHEEL SPACER
5	302-9170-01	DRIVE WHEEL PULLEY
6	303-9140-01	DRIVE WHEEL
7	7024-201400-150	ROUND SOCKET HEAD METAL SCREW, #14 X 1-1/2"
8	333-9140-01	DRIVE WHEEL ASSEMBLY



Ball Accelerator

Tension Wheel Assembly (333-9110-00)

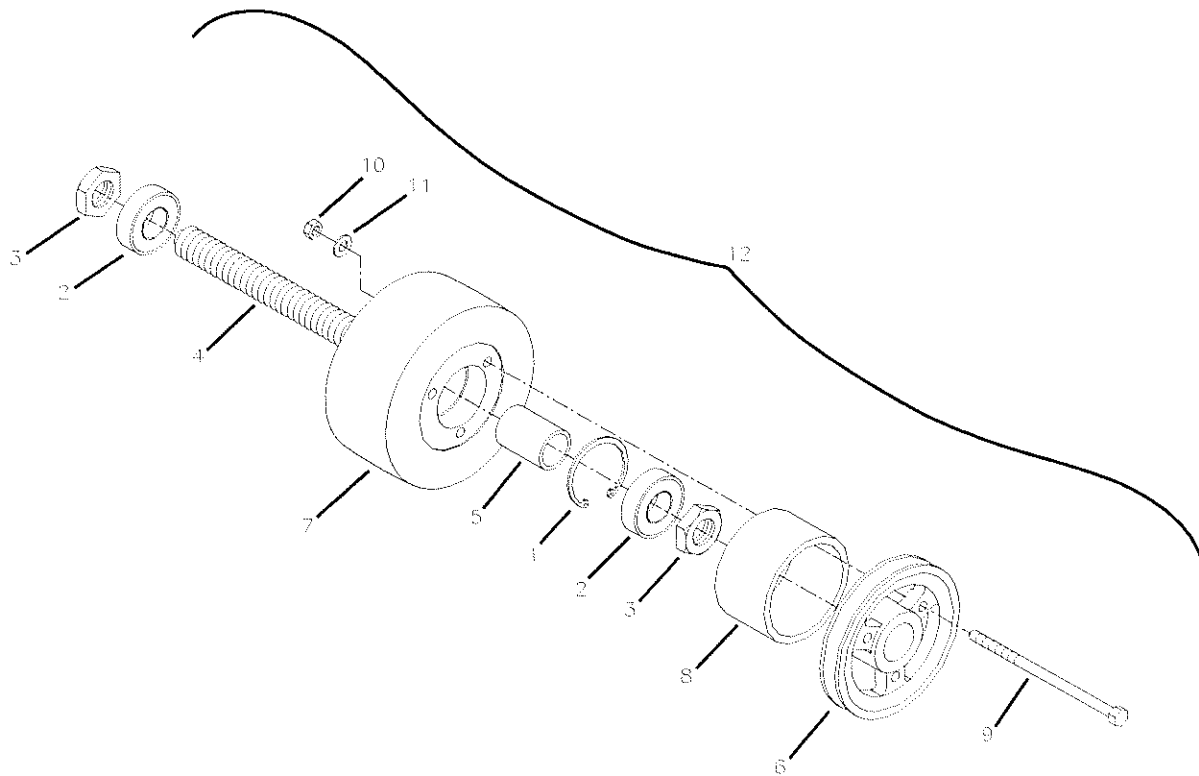
INDEX	PART NUMBER	DESCRIPTION
1	302-4405-00	INTERNAL C-RING
2	302-6205-00	BALL BEARING
3	302-9110-00	TENSION WHEEL SHAFT
4	302-9130-00	HEXAGON NUT
5	302-9150-00	DRIVE WHEEL SPACER
6	303-9110-00	TENSION WHEEL
7	7016-411032-062	ROUND SOCKET HEAD MACHINE SCREW, #10-32 X 5/8"
8	7150-019075-009	ALUMINUM FLAT WASHER, 0.193" X 3/4" X 3/32"
9	333-9110-00	TENSION WHEEL ASSEMBLY



Ball Accelerator

Drive Wheel Assembly (333-9140-00)

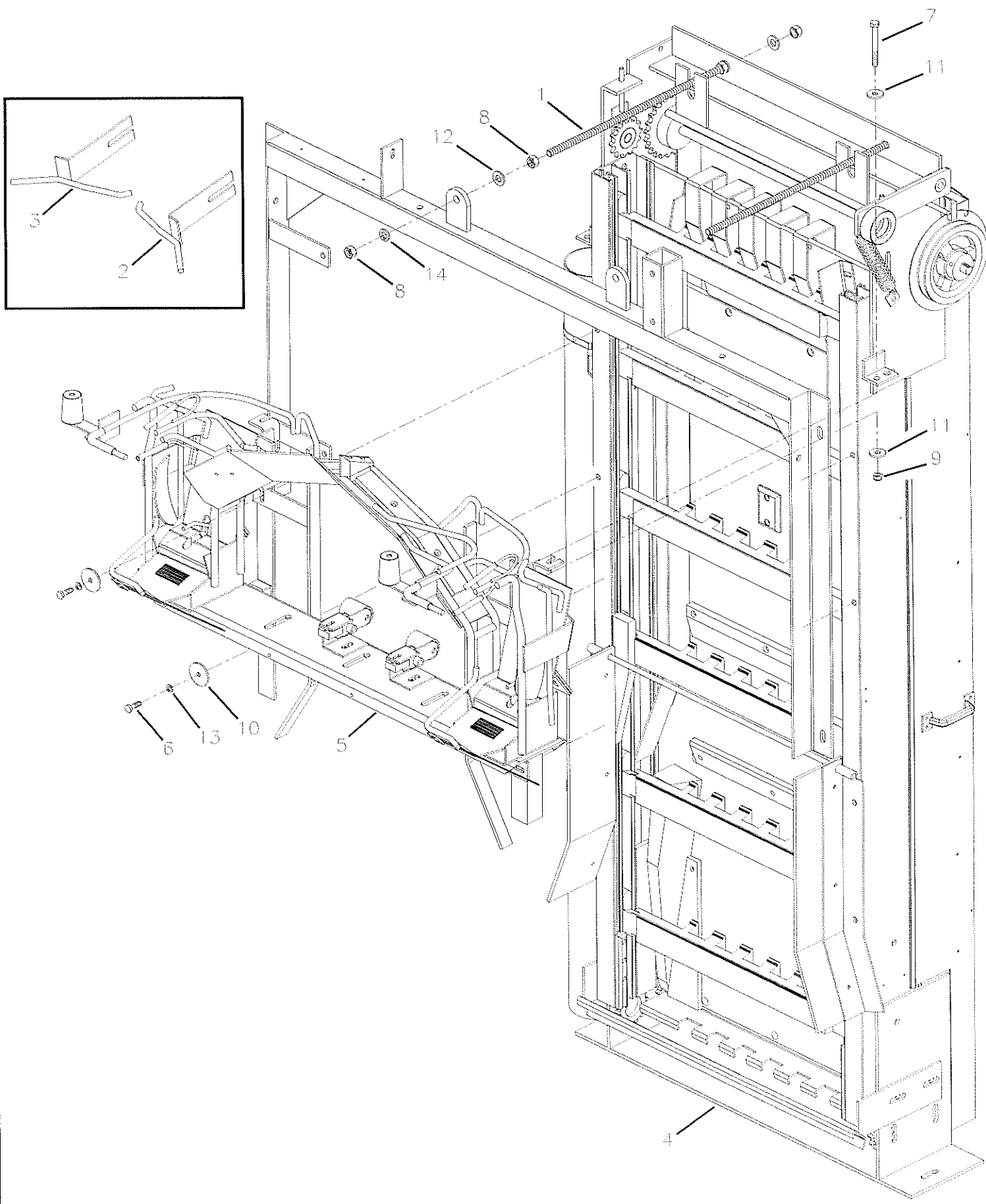
INDEX	PART NUMBER	DESCRIPTION
1	302-4405-00	INTERNAL C-RING
2	302-6205-00	BALL BEARING
3	302-9130-00	HEXAGON NUT
4	302-9140-00	DRIVE WHEEL SHAFT
5	302-9150-00	DRIVE WHEEL SPACER
6	302-9170-00	DRIVE WHEEL PULLEY
7	303-9140-00	DRIVE WHEEL
8	303-9150-00	PULLEY SPACER
9	7010-003118-600	HEXAGON CAP SCREW, 5/16"-18 X 6"
10	7036-003118-000	NYLOCK NUT, 5/16"-18
11	7050-034068-006	FLAT WASHER, 11/32" X 11/16" X 1/16"
12	333-9140-00	DRIVE WHEEL ASSEMBLY



Pin Elevator & Carrousel Staging

Main Components

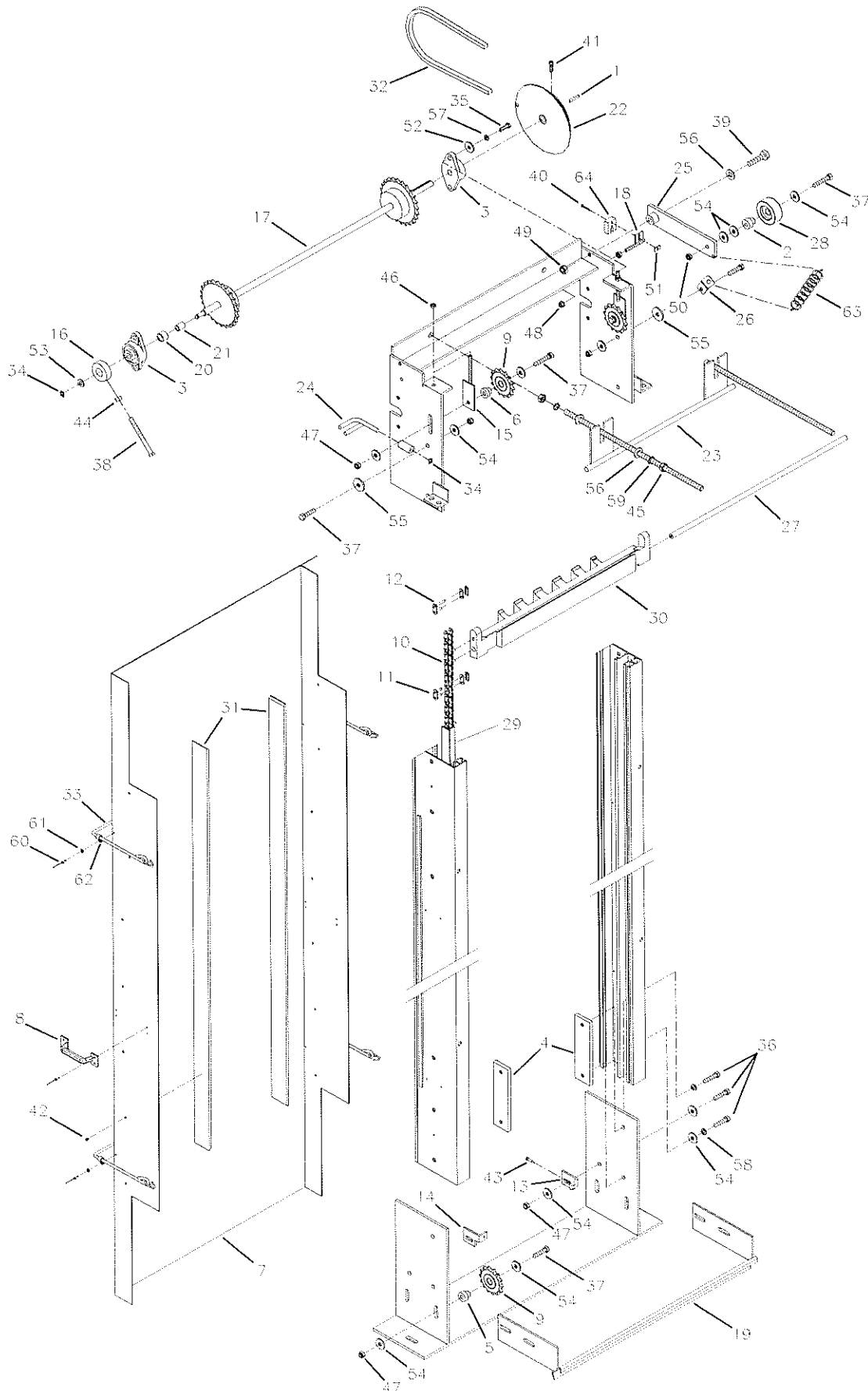
INDEX	PART NUMBER	DESCRIPTION
1	302-8250-00	ATTACHMENT ROD
2	302-8590-00	PIN GUIDE, RIGHT
3	302-8595-00	PIN GUIDE, LEFT
4	322-8000-00	ELEVATOR ASSEMBLY
5	322-8500-00	CARROUSEL STAGING ASSEMBLY
6	7010-003118-100	HEXAGON CAP SCREW, 5/16"-18 X 1"
7	7010-003716-325	HEXAGON CAP SCREW, 3/8"-16 X 3-1/4"
8	7034-005013-000	HEXAGON NUT, 1/2"-13
9	7036-003716-000	NYLOCK NUT, 3/8"-16
10	7050-034175-012	FLAT WASHER, 11/32" X 1-3/4" X 1/8"
11	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
12	7050-050106-009	FLAT WASHER, 1/2" X 1-1/16" X 3/32"
13	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
14	7060-050087-012	LOCK WASHER, 1/2" X 7/8" X 1/8"



Pin Elevator & Carrousel Staging

Pin Elevator Assembly (322-8000-00) Plan 1

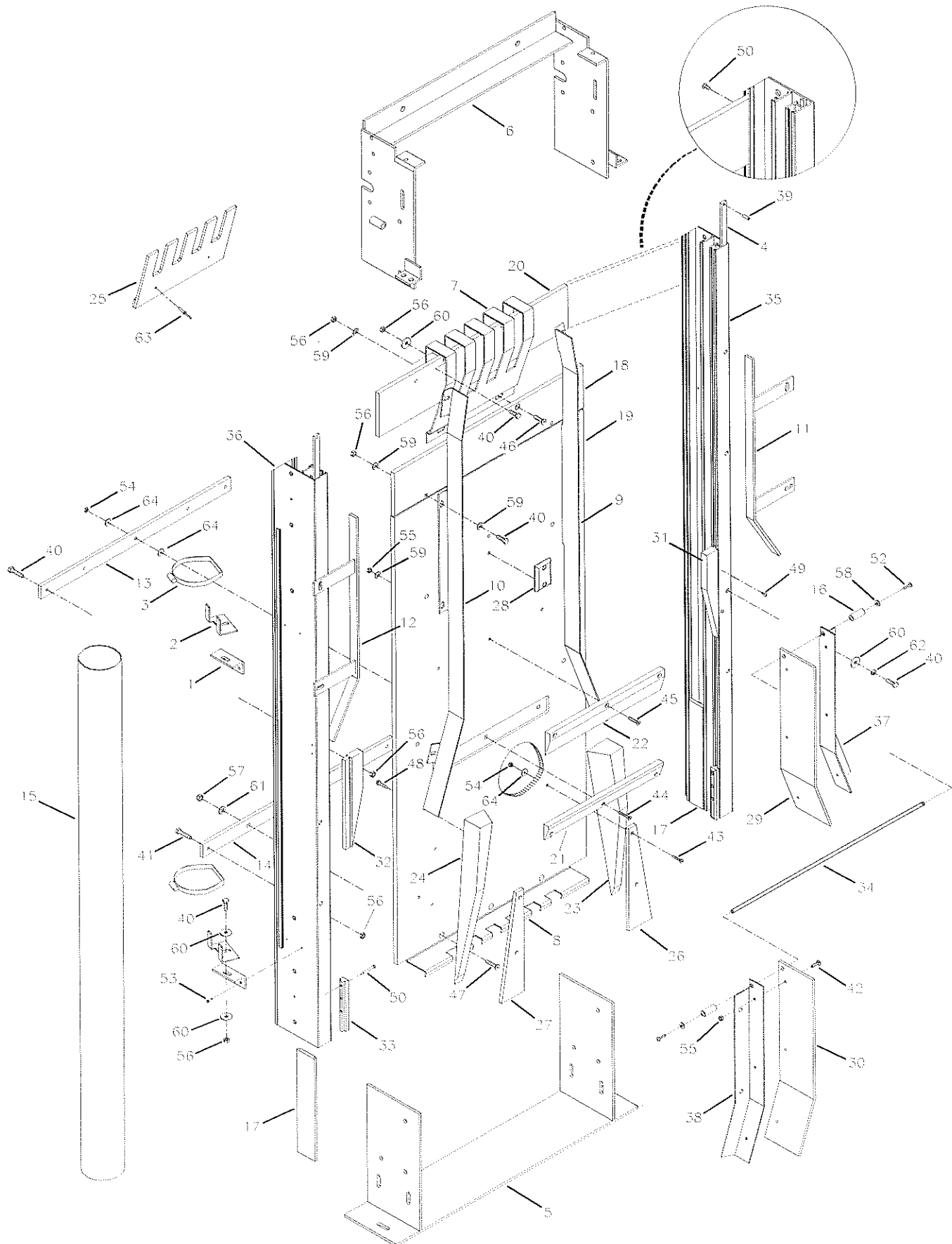
INDEX	PART NUMBER	DESCRIPTION
1	302-2420-00	MACHINE KEY, 3/16" X 1-1/4"
2	302-4500-00	BEARING SHOULDER
3	302-6210-00	FLANGE BALL BEARING, 3/4"
4	302-8030-00	ATTACHMENT PLATE
5	302-8060-00	BEARING SHOULDER
6	302-8070-00	BEARING SHOULDER
7	302-8080-00	ELEVATOR COVER
8	302-8085-00	COVER HANDLE
9	302-8090-00	ELEVATOR SPROCKET, 50A14
10	302-8100-00	ELEVATOR CHAIN
11	302-8105-00	ELEVATOR CHAIN COUPLING
12	302-8106-00	ELEVATOR CHAIN COUPLING, DI
13	302-8110-00	REINFORCEMENT BRACKET, RIGHT
14	302-8115-00	REINFORCEMENT BRACKET, LEFT
15	302-8120-00	ADJUSTMENT ROD
16	302-8130-00	TORRINGTON SLEEVE
17	302-8150-00	ELEVATOR SHAFT
18	302-8180-00	THREAD ROD
19	302-8190-00	PIN DEFLECTOR, BOTTOM
20	302-8200-00	CLUTCH BEARING
21	302-8210-00	SLEEVE BEARING
22	302-8230-00	ELEVATOR PULLEY
23	302-8260-00	PIN DEFLECTOR, TOP
24	302-8270-00	STOPPER ROD
25	302-8280-00	TENSION PLATE
26	302-8290-00	SPRING BRACKET
27	302-8340-00	SUPPORT ROD
28	303-2340-00	FLAT ROLLER
29	303-8000-00	CHAIN GUIDE
30	303-8020-00	PIN LIFT ARM
31	303-8080-00	COVER GUIDE
32	304-8000-00	ELEVATOR BELT, 4L 460
33	304-8100-00	UTILITY CORD
34	7002-710000-037	EXTERNAL RETAINING RING, 3/8"
35	7010-003118-100	HEXAGON CAP SCREW, 5/16"-18 X 1"
36	7010-003716-125	HEXAGON CAP SCREW, 3/8"-16 X 1-1/4"
37	7010-003716-200	HEXAGON CAP SCREW, 3/8"-16 X 2"
38	7010-003716-400	HEXAGON CAP SCREW, 3/8"-16 X 4"
39	7010-005020-200	HEXAGON CAP SCREW, 1/2"-20 X 2"
40	7016-410632-100	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 1"
41	7018-003118-075	HEXAGON SOCKET CAP SCREW, 5/16"-18 X 1/4"
42	7024-610600-025	PAN SOCKET HEAD METAL SCREW, #6 X 1/4"
43	7027-201016-075	HEX WASHER HEAD TECK SCREW, #10-16 X 3/4"
44	7034-003716-000	HEXAGON NUT, 3/8"-16
45	7034-005013-000	HEXAGON NUT, 1/2"-13
46	7036-003118-000	NYLOCK NUT, 5/16"-18
47	7036-003716-000	NYLOCK NUT, 3/8"-16
48	7038-003118-000	HEXAGON K-LOCK NUT, 5/16"-18
49	7042-005020-000	THIN NUT, 1/2"-20
50	7044-003716-000	THIN NYLOCK NUT, 3/8"-16
51	7046-000632-006	WELD NUT, #6-32 X 1/16"
52	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
53	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
54	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
55	7050-040175-012	FLAT WASHER, 13/32" X 1-3/4" X 1/8"
56	7050-050106-009	FLAT WASHER, 1/2" X 1-1/16" X 3/32"
57	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
58	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"
59	7060-050087-012	LOCK WASHER, 1/2" X 7/8" X 1/8"
60	7108-401200-037	DOME HEAD ALUMINUM POP RIVET, 1/8" X 3/8"
61	7150-012037-003	ALUMINUM FLAT WASHER, 1/8" X 3/8" X 1/32"
62	E-660-09	CABLE CLAMP, 3/8"
63	S-080	TENSION SPRING
64	SB-ECIL-325-FS	OPTICAL SENSOR ASSEMBLY



Pin Elevator & Carrousel Staging

Pin Elevator Assembly (322-8000-00) Plan 2

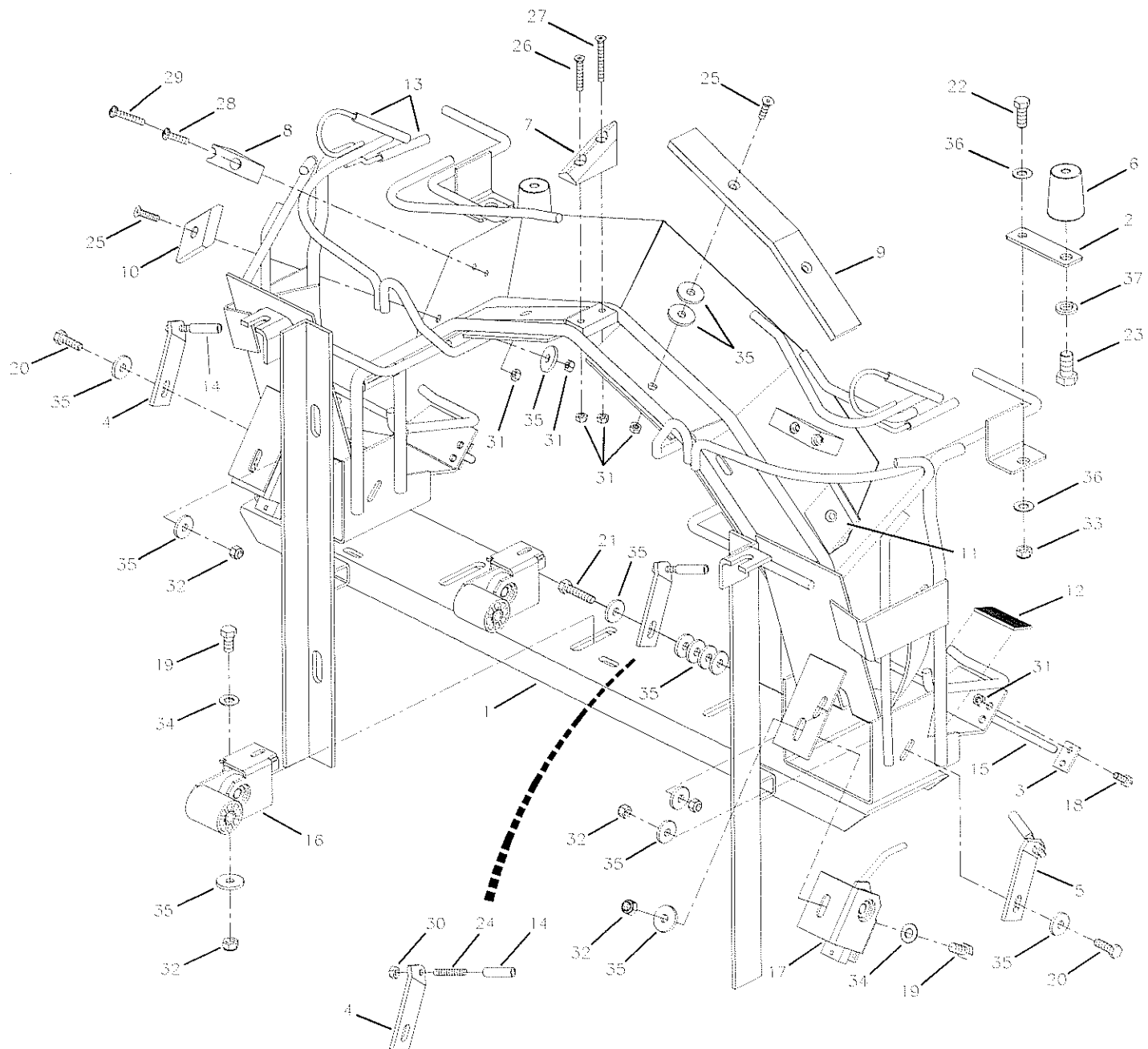
INDEX	PART NUMBER	DESCRIPTION
1	302-1200-00	LOAD GUARD BRACKET
2	302-1210-00	COLLAR BRACKET
3	302-1220-00	LOAD GUARD COLLAR
4	302-8000-00	STEEL STRAP
5	302-8010-00	ELEVATOR FRAME, BOTTOM
6	302-8020-00	ELEVATOR FRAME, TOP
7	302-8040-00	PIN EXTRACTOR
8	302-8050-00	PIN GUIDE
9	302-8300-00	PIN DEFLECTOR, RIGHT
10	302-8305-00	PIN DEFLECTOR, LEFT
11	302-8310-00	UP DEFLECTOR, RIGHT
12	302-8315-00	UP DEFLECTOR, LEFT
13	302-8320-00	MOUNTING PLATE
14	302-8330-00	MOUNTING PLATE
15	303-1190-00	LOAD GUARD
16	303-5520-00	GUIDE ROLLER
17	303-8010-00	INTERIOR GUARD
18	303-8040-00	INTERIOR PANEL, TOP
19	303-8045-00	INTERIOR PANEL, BOTTOM
20	303-8050-00	HEADER PANEL
21	303-8060-00	INTERIOR MOULDING
22	303-8065-00	INTERIOR MOULDING
23	303-8070-00	INTERIOR BLOCK, RIGHT
24	303-8075-00	INTERIOR BLOCK, LEFT
25	303-8090-00	TOP EJECTOR
26	303-8100-00	INTERIOR PLATE, RIGHT
27	303-8105-00	INTERIOR PLATE, LEFT
28	303-8110-00	POSITIONING PLATE
29	303-8160-00	COVER DEFLECTOR, RIGHT
30	303-8165-00	COVER DEFLECTOR, LEFT
31	303-8220-00	INTERIOR WEDGE, RIGHT
32	303-8225-00	INTERIOR WEDGE, LEFT
33	303-8230-00	BASE BLOCK
34	304-8200-00	PIN ALIGNMENT BAR
35	308-8000-00	ELEVATOR FRAME, RIGHT
36	308-8005-00	ELEVATOR FRAME, LEFT
37	308-8160-00	FRONT DEFLECTOR, RIGHT
38	308-8165-00	FRONT DEFLECTOR, LEFT
39	7006-002500-075	SPRING TENSION PIN, 1/4" X 3/4"
40	7010-003118-100	HEXAGON CAP SCREW, 5/16"-18 X 1"
41	7010-003118-150	HEXAGON CAP SCREW, 5/16"-18 X 1-1/2"
42	7012-002520-075	CARRIAGE BOLT, 1/4"-20 X 3/4"
43	7016-311032-125	FLAT SOCKET HEAD MACHINE SCREW, #10-32 X 1-1/4"
44	7016-311032-150	FLAT SOCKET HEAD MACHINE SCREW, #10-32 X 1-1/2"
45	7016-312520-150	FLAT SOCKET HEAD MACHINE SCREW, 1/4"-20 X 1-1/2"
46	7016-313118-125	FLAT SOCKET HEAD MACHINE SCREW, 5/16"-18 X 1-1/4"
47	7016-313118-150	FLAT SOCKET HEAD MACHINE SCREW, 5/16"-18 X 1-1/2"
48	7022-201400-125	HEX WASHER HEAD WOOD SCREW, #14 X 1-1/4"
49	7022-310800-050	FLAT SOCKET HEAD WOOD SCREW, #8 X 1/2"
50	7022-311000-175	FLAT SOCKET HEAD WOOD SCREW, #10 X 1-3/4"
51	7024-410800-050	ROUND SOCKET HEAD METAL SCREW, #8 X 1/2"
52	7024-711000-100	TRUSS SOCKET HEAD METAL SCREW, #10 X 1"
53	7027-201016-075	HEX WASHER HEAD TECK SCREW, #10-16 X 3/4"
54	7036-001032-000	NYLOCK NUT, #10-32
55	7036-002520-000	NYLOCK NUT, 1/4"-20
56	7036-003118-000	NYLOCK NUT, 5/16"-18
57	7036-003716-000	NYLOCK NUT, 3/8"-16
58	7050-028062-006	FLAT WASHER, 9/32" X 5/8" X 1/16"
59	7050-034068-006	FLAT WASHER, 11/32" X 11/16" X 1/16"
60	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
61	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
62	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
63	7108-401200-075	DOME HEAD ALUMINUM POP RIVET, 1/8" X 3/4"
64	7150-019075-009	ALUMINUM FLAT WASHER, 0.193" X 3/4" X 3/32"



Pin Elevator & Carrousel Staging

Carrousel Staging Assembly (322-8500-00)

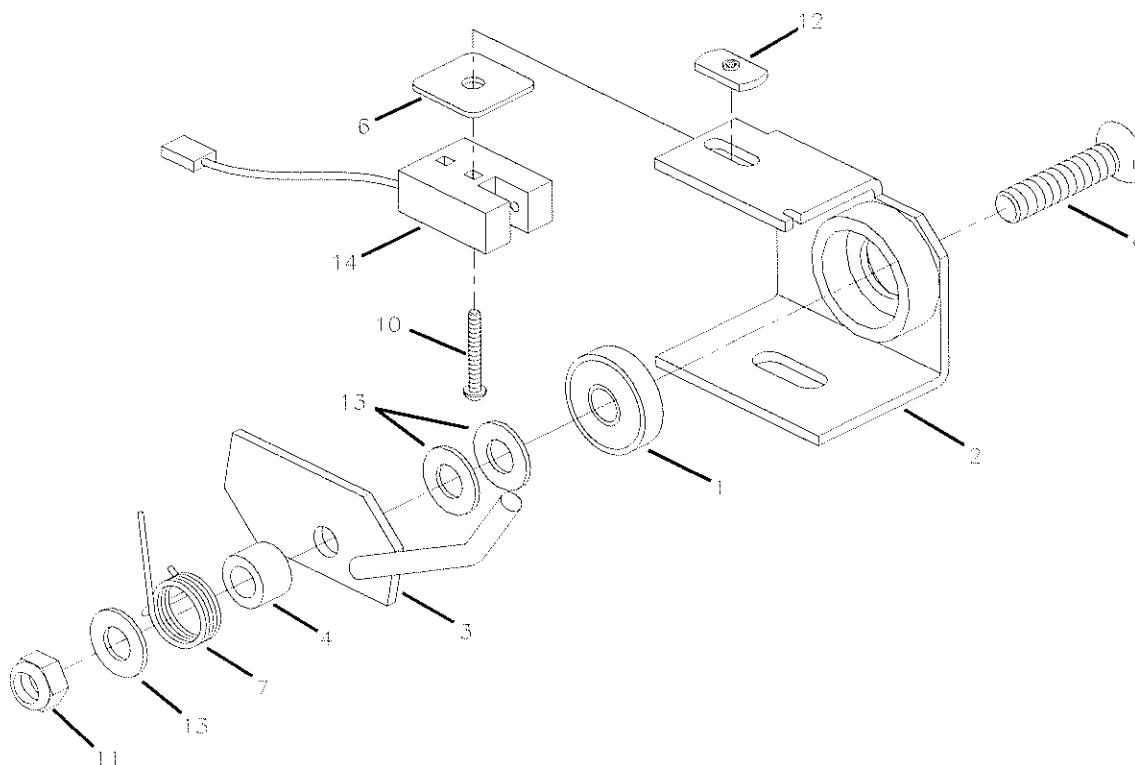
INDEX	PART NUMBER	DESCRIPTION
1	302-8500-00	CARROUSEL STAGING FRAME
2	302-8580-00	MOUNTING PLATE
3	302-8600-00	MOUNTING PLATE
4	302-8610-00	STOPPER PLATE, RIGHT
5	302-8615-00	STOPPER PLATE, LEFT
6	303-3310-00	STAGING MAGNET
7	303-8500-00	SLIDE GUIDE, CENTER
8	303-8510-00	SLIDE GUIDE, TOP
9	303-8520-00	SLIDE PLATE
10	303-8530-00	PLASTIC BLOCK, RIGHT
11	303-8535-00	PLASTIC BLOCK, LEFT
12	304-5510-00	LANDING PAD
13	304-8250-00	STAGING HOSE, 1/4"
14	304-8375-00	STAGING HOSE, 3/8"
15	305-8600-00	FLAT SPRING
16	322-8560-00	PIN COUNTER ACTUATOR ASSEMBLY
17	322-8570-00	PIN LOADER ACTUATOR ASSEMBLY
18	7010-002520-075	HEXAGON CAP SCREW, 1/4"-20 X 3/4"
19	7010-003118-075	HEXAGON CAP SCREW, 5/16"-18 X 3/4"
20	7010-003118-100	HEXAGON CAP SCREW, 5/16"-18 X 1"
21	7010-003118-150	HEXAGON CAP SCREW, 5/16"-18 X 1-1/2"
22	7010-003716-100	HEXAGON CAP SCREW, 3/8"-16 X 1"
23	7010-005013-100	HEXAGON CAP SCREW, 1/2"-13 X 1"
24	7014-002520-150	HEXAGON SOCKET SET SCREW, 1/4"-20 X 1-1/2"
25	7016-312520-100	FLAT SOCKET HEAD MACHINE SCREW, 1/4"-20 X 1"
26	7016-312520-150	FLAT SOCKET HEAD MACHINE SCREW, 1/4"-20 X 1-1/2"
27	7016-312520-200	FLAT SOCKET HEAD MACHINE SCREW, 1/4"-20 X 2"
28	7016-412520-100	ROUND SOCKET HEAD MACHINE SCREW, 1/4"-20 X 1"
29	7016-412520-125	ROUND SOCKET HEAD MACHINE SCREW, 1/4"-20 X 1-1/4"
30	7034-002520-000	HEXAGON NUT, 1/4"-20
31	7036-002520-000	NYLOCK NUT, 1/4"-20
32	7036-003118-000	NYLOCK NUT, 5/16"-18
33	7036-003716-000	NYLOCK NUT, 3/8"-16
34	7050-034068-006	FLAT WASHER, 11/32" X 11/16" X 1/16"
35	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
36	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
37	7060-050087-012	LOCK WASHER, 1/2" X 7/8" X 1/8"



Pin Elevator & Carrousel Staging

Pin Loader Actuator Assembly (322-8570-00)

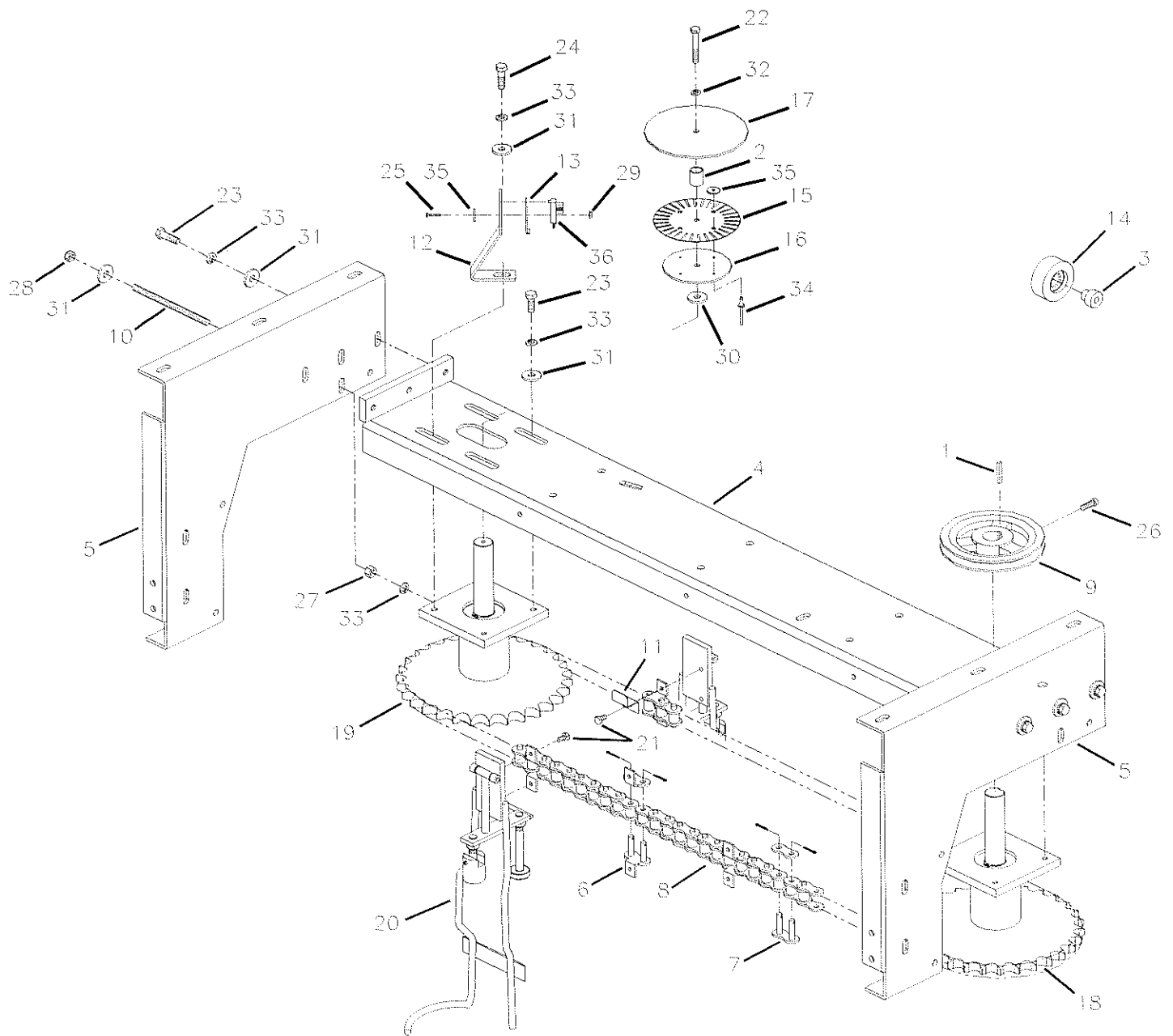
INDEX	PART NUMBER	DESCRIPTION
1	302-6200-00	BALL BEARING
2	302-8550-00	ACTUATOR BASE
3	302-8570-00	PIN LOADER ACTUATOR
4	303-5300-00	ACTUATOR BUSHING
5	303-5510-00	GUIDE ROLLER
6	304-8550-00	INSULATOR PAD
7	308-8550-00	ACTUATOR SPRING
8	7010-003716-250	HEXAGON CAP SCREW, 3/8"-16 X 2-1/2"
9	7016-313716-175	FLAT SOCKET HEAD MACHINE SCREW, 3/8"-16 X 1-3/4"
10	7016-410632-100	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 1"
11	7036-003716-000	NYLOCK NUT, 3/8"-16
12	7046-000632-006	WELD NUT, #6-32 X 1/16"
13	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
14	SB-ECIL-325-FS	OPTICAL SENSOR ASSEMBLY



Carrousel

Top Components

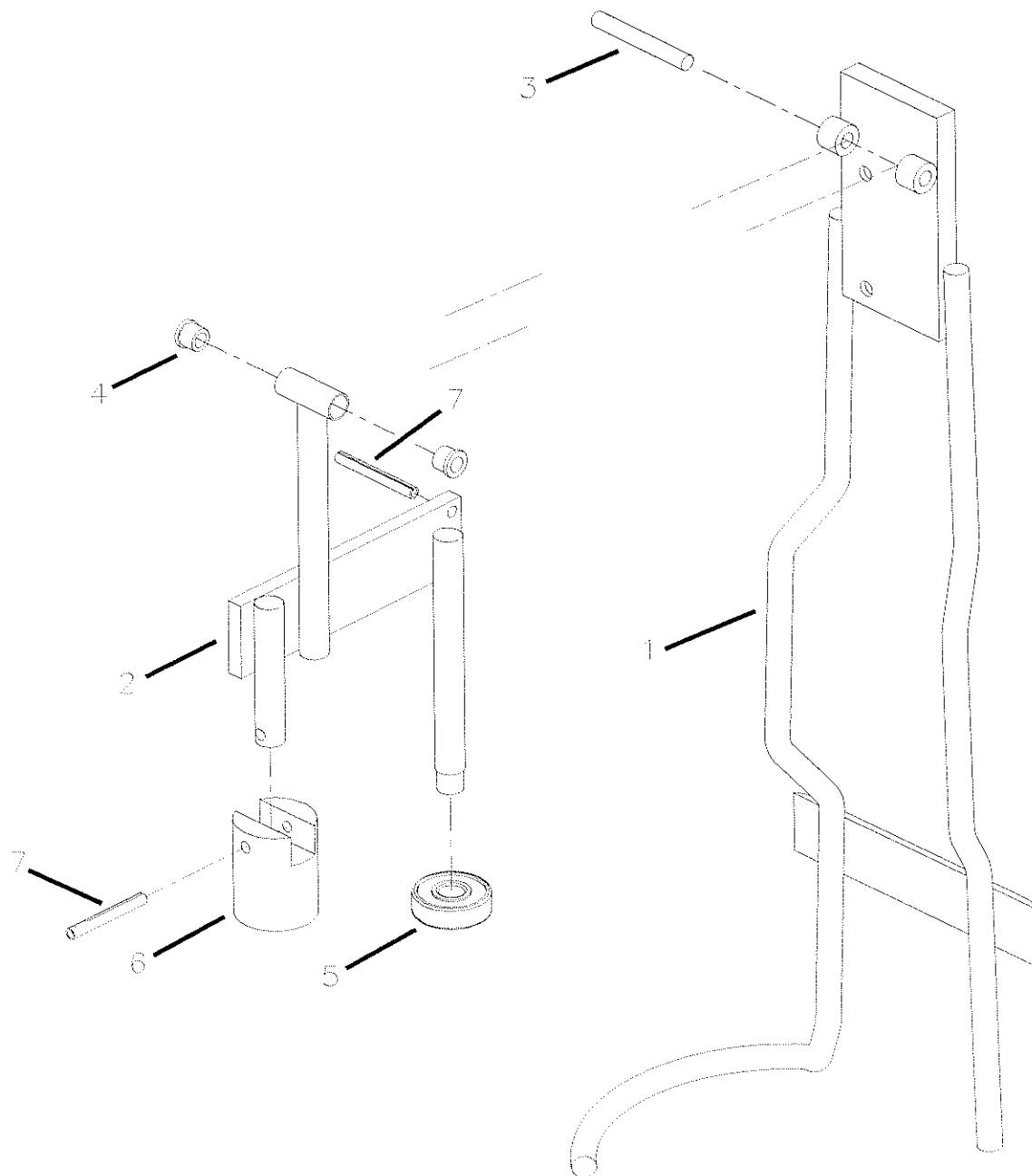
INDEX	PART NUMBER	DESCRIPTION
1	302-2470-00	MACHINE KEY, 1/4" X 1-1/2"
2	302-3450-00	STOPPER SPACER
3	302-4500-00	BEARING SHOULDER
4	302-5000-01	CARROUSEL CHANNEL
5	302-5005-00	TURRET SIDE PLATE
6	302-5040-00	CHAIN COUPLING, #80 - K1
7	302-5045-00	CHAIN COUPLING, #80
8	302-5050-00	CARROUSEL CHAIN
9	302-5100-00	CARROUSEL PULLEY
10	302-5240-00	THREAD ROD
11	302-5330-00	STATION SYNC. ACTUATOR
12	302-5800-00	MOUNTING PLATE
13	302-5805-00	CONNECTION RETAINER
14	303-2350-00	TENSIONING WHEEL
15	303-5810-00	CARROUSEL ENCODER
16	308-5810-00	SUPPORT PLATE
17	308-5820-00	ENCODER GUARD
18	322-5060-00	SHAFT SPROCKET ASSEMBLY, COMPLETE
19	322-5070-00	IDLER SPROCKET ASSEMBLY, COMPLETE
20	see detail page 241A.03	PIN BUCKET & PIN LOADER ASSEMBLY
20	see detail page 241B.03	PIN BUCKET & PIN LOADER ASSEMBLY
21	7010-002520-050	HEXAGON CAP SCREW, 1/4"-20 X 1/2"
22	7010-003118-200	HEXAGON CAP SCREW, 5/16"-18 X 2"
23	7010-003716-100	HEXAGON CAP SCREW, 3/8"-16 X 1"
24	7010-003716-125	HEXAGON CAP SCREW, 3/8"-16 X 1-1/4"
25	7016-410632-075	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 3/4"
26	7018-003118-050	HEXAGON SOCKET SET SCREW, 5/16"-18 X 1-1/2"
27	7034-003716-000	HEXAGON NUT, 3/8"-16
28	7036-003716-000	NYLOCK NUT, 3/8"-16
29	7038-000632-000	HEXAGON K-LOCK NUT, #6-32
30	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
31	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
32	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
33	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"
34	7108-401800-050	DOME HEAD ALUMINUM POP RIVET, 3/16" X 1/2"
35	7150-019075-009	ALUMINUM FLAT WASHER, 0.193" X 3/4" X 3/32"
36	E-GP1A05	ENCODER OPTICAL SENSOR



Carrousel

Carrousel Pin Bucket & Pin Loader

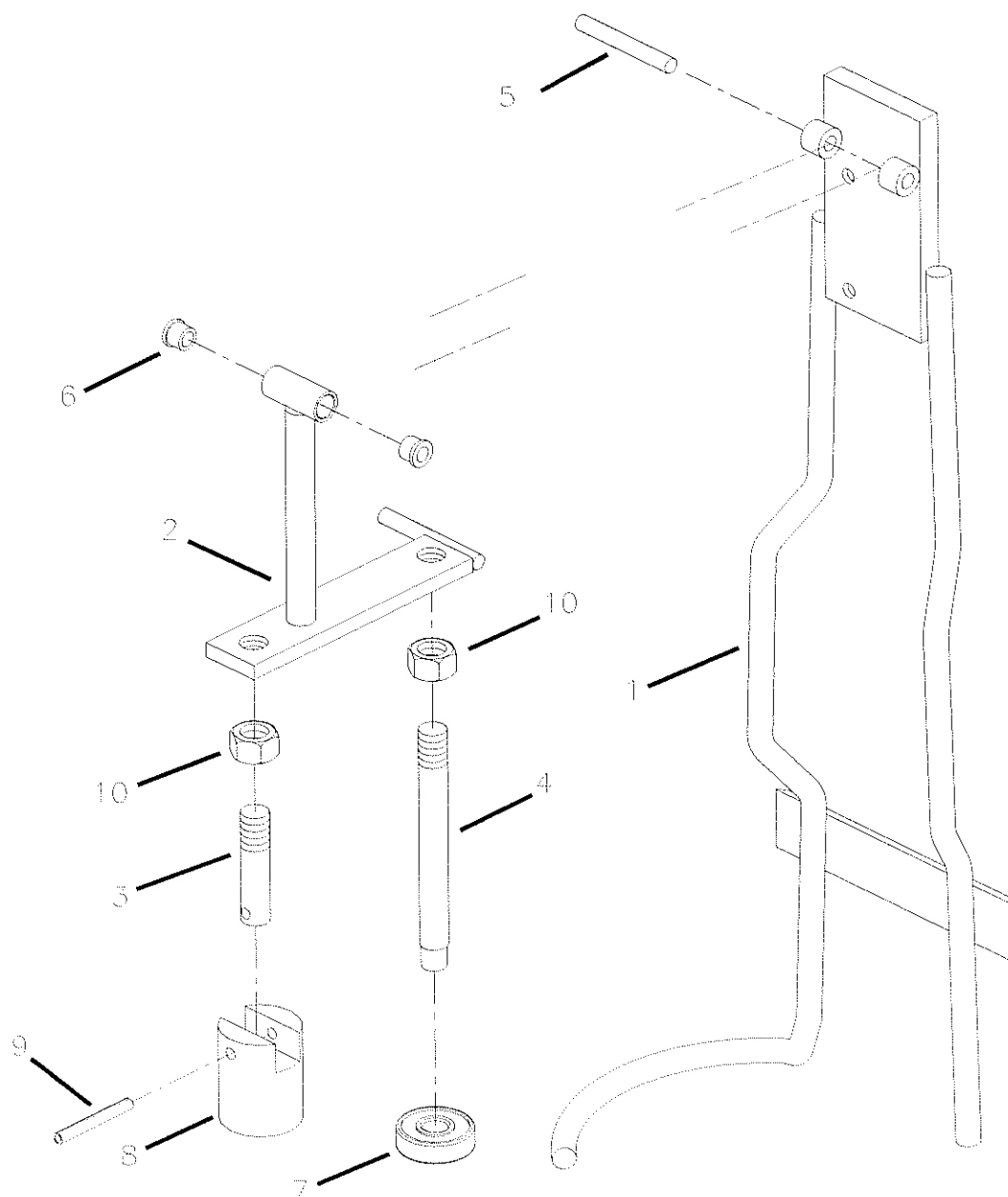
INDEX	PART NUMBER	DESCRIPTION
1	302-5120-00	CARROUSEL BUCKET
2	302-5130-00	CARROUSEL PIN LOADER
3	302-5140-00	BUCKET DOWEL, 1/4" X 2"
4	302-5150-00	FLANGE BEARING
5	302-6200-00	BALL BEARING
6	303-5130-00	CARRYING MAGNET
7	7006-001800-150	SPRING PIN, 3/16" X 1-1/2"



Carrousel

Carrousel Bucket & Pin Loader

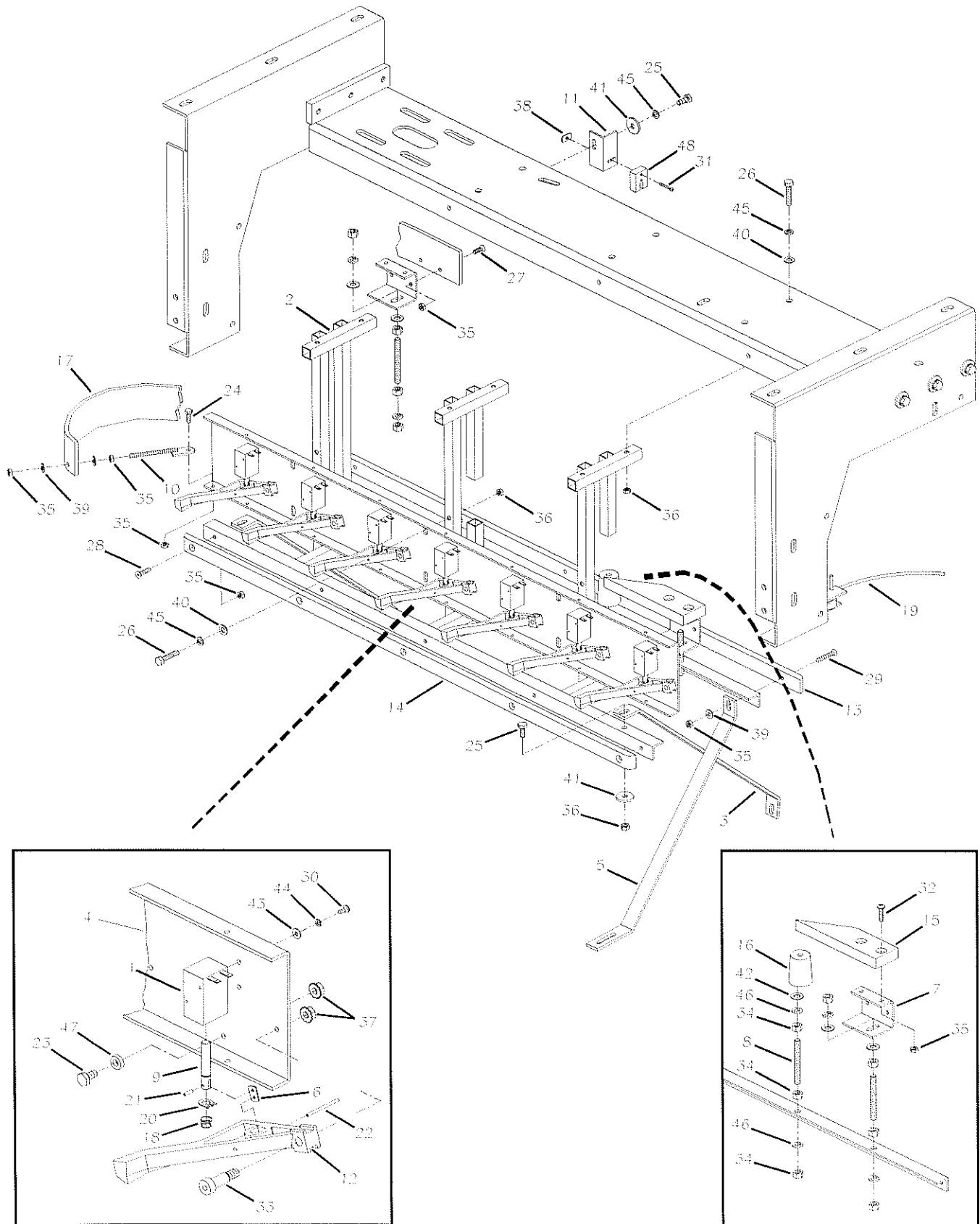
INDEX	PART NUMBER	DESCRIPTION
1	302-5120-00	CARROUSEL BUCKET
2	302-5130-01	PIN LOADER TOP
3	302-5131-00	PIN LOADER MAGNET ARM
4	302-5132-00	PIN LOADER BEARING ARM
5	302-5140-00	BUCKET DOWEL, 1/4" X 2"
6	302-5150-00	FLANGE BEARING
7	302-6200-00	BALL BEARING
8	303-5130-00	CARRYING MAGNET
9	7006-001800-150	SPRING PIN, 3/16" X 1-1/2"
10	7034-004320-000	HEXAGON NUT, 7/16"-20



Carrousel

Center & Solenoid Components

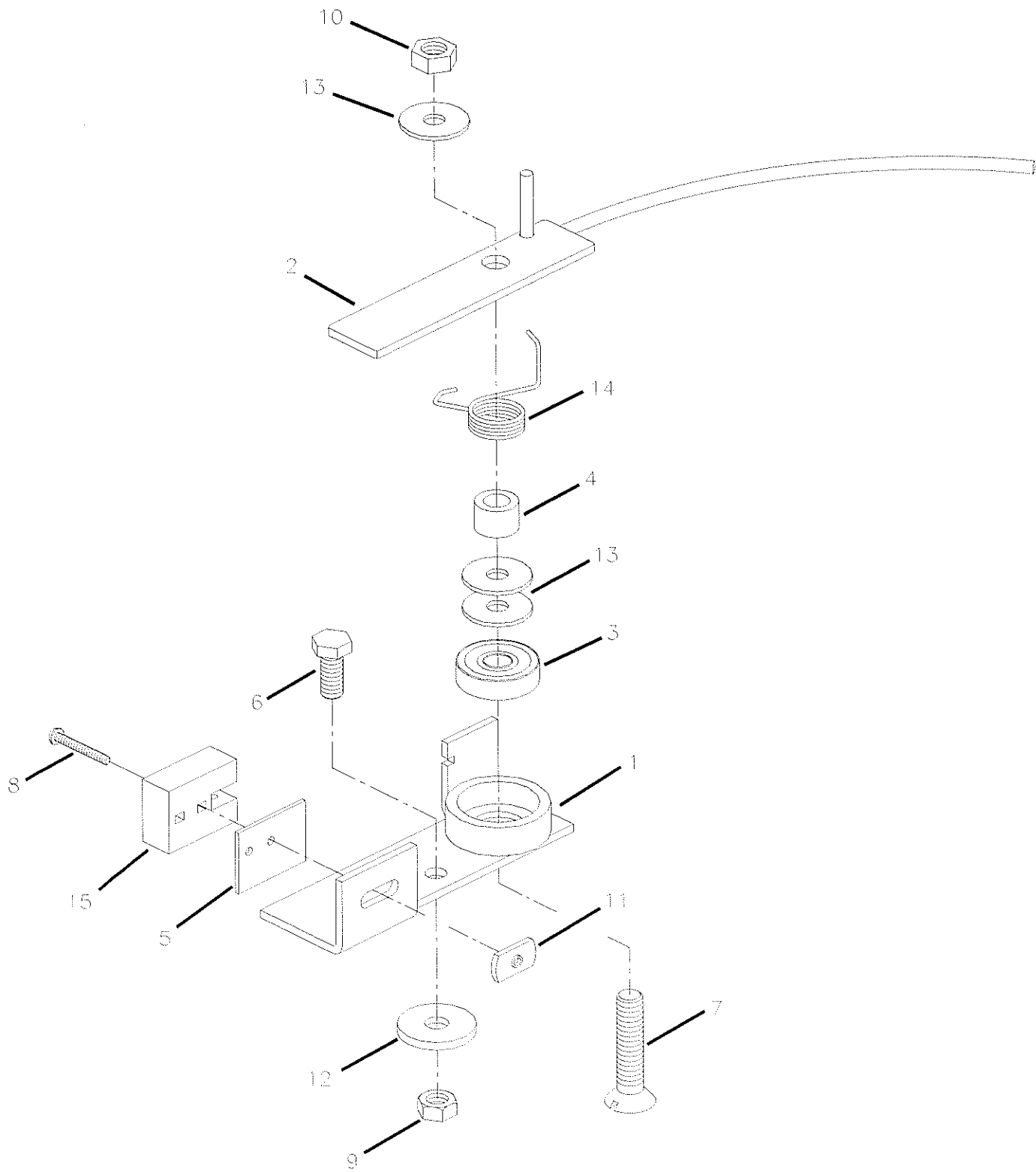
INDEX	PART NUMBER	DESCRIPTION
1	301-5170-00	24VAC INTERMITTANT SOLENOID
2	302-5200-00	CARROUSEL FRAME, CENTER
3	302-5205-00	CARROUSEL BRACE
4	302-5210-00	MOUNTING PLATE
5	302-5215-00	CARROUSEL BRACE
6	302-5220-00	ATTACHMENT PLATE
7	302-5250-00	GUIDE BRACKET
8	302-5260-00	THREAD ROD
9	302-5270-00	SOLENOID SHAFT, SPECIAL
10	302-5280-00	THREAD ROD
11	302-5320-00	OPTICAL SENSOR BRACKET
12	303-5210-00	SOLENOID CAM
13	303-5220-00	CARROUSEL SLIDE, REAR
14	303-5225-00	CARROUSEL SLIDE, FRONT
15	303-5250-00	CARRYING GUIDE
16	303-5260-00	CARROUSEL MAGNET
17	303-5280-00	CARROUSEL GUIDE
18	305-5200-00	COMPRESSION SPRING
19	322-5300-00	PIN DETECTOR ACTUATOR ASSEMBLY
20	7002-710000-031	EXTERNAL RETAINING RING, 5/16"
21	7006-000900-037	SPRING TENSION PIN, 3/32" X 3/8"
22	7006-000900-100	SPRING TENSION PIN, 3/32" X 1"
23	7010-002520-050	HEXAGON CAP SCREW, 1/4"-20 X 1/2"
24	7010-002520-075	HEXAGON CAP SCREW, 1/4"-20 X 3/4"
25	7010-003118-075	HEXAGON CAP SCREW, 5/16"-18 X 3/4"
26	7010-003118-150	HEXAGON CAP SCREW, 5/16"-18 X 1-1/2"
27	7016-312520-075	FLAT SOCKET HEAD MACHINE SCREW, 1/4"-20 X 3/4"
28	7016-312520-100	FLAT SOCKET HEAD MACHINE SCREW, 1/4"-20 X 1"
29	7016-312520-150	FLAT SOCKET HEAD MACHINE SCREW, 1/4"-20 X 1-1/2"
30	7016-410632-031	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 5/16"
31	7016-410632-100	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 1"
32	7016-412520-100	ROUND SOCKET HEAD MACHINE SCREW, 1/4"-20 X 1"
33	7020-003100-050	SHOULDER SCREW, 5/16" X 1/2"
34	7034-003716-000	HEXAGON NUT, 3/8"-16
35	7036-002520-000	NYLOCK NUT, 1/4"-20
36	7036-003118-000	NYLOCK NUT, 5/16"-18
37	7038-002520-000	HEXAGON K-LOCK NUT, 1/4"-20
38	7046-000632-006	WELD NUT, #6-32 X 1/16"
39	7050-028062-006	FLAT WASHER, 9/32" X 5/8" X 1/16"
40	7050-034068-006	FLAT WASHER, 11/32" X 11/16" X 1/16"
41	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
42	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
43	7052-015037-004	SPACER WASHER, 5/32" X 3/8" X 3/64"
44	7060-006046-003	LOCK WASHER, 1/16" X 15/32" X 1/32"
45	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
46	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"
47	E-W5007	NYLON SPACER
48	SB-ECIL-325-FS	OPTICAL SENSOR ASSEMBLY



Carrousel

Pin Detector Actuator Assembly (322-5300-00)

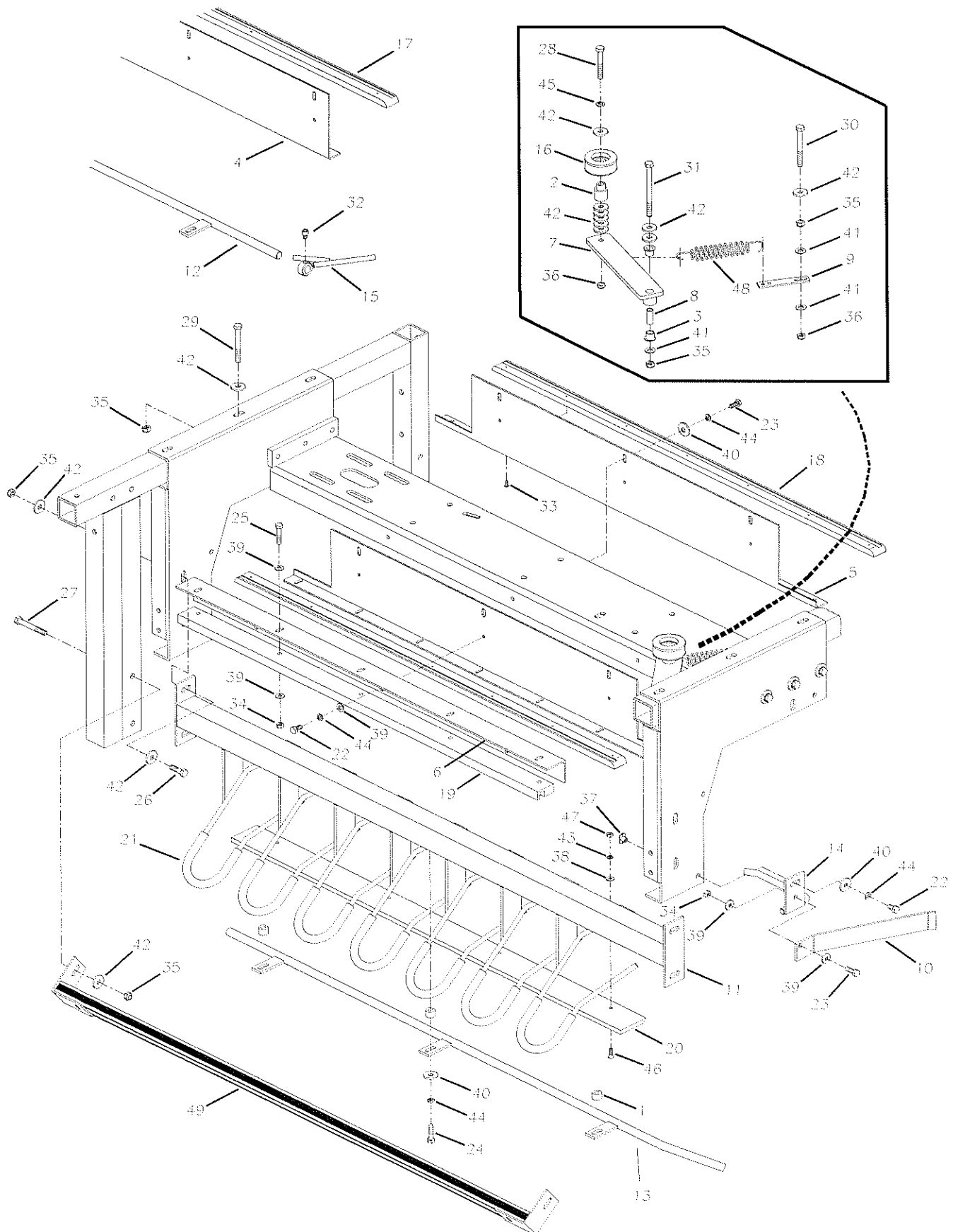
INDEX	PART NUMBER	DESCRIPTION
1	302-5300-00	ACTUATOR BASE
2	302-5310-00	PIN DETECTOR ACTUATOR
3	302-6200-00	BALL BEARING
4	303-5300-00	ACTUATOR BUSHING
5	304-8550-00	INSULATOR PAD
6	7010-003118-075	HEXAGON CAP SCREW, 5/16"-18 X 3/4"
7	7016-313716-175	FLAT SOCKET HEAD MACHINE SCREW, 3/8"-16 X 1-3/4"
8	7016-410632-100	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 1"
9	7036-003118-000	NYLOCK NUT, 5/16"-18
10	7036-003716-000	NYLOCK NUT, 3/8"-16
11	7046-000632-006	WELD NUT, #6-32 X 1/16"
12	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
13	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
14	S-072	ACTUATOR SPRING
15	SB-ECIL-325-FS	OPTICAL SENSOR ASSEMBLY



Carrousel

Frame Attachment & Outer Components

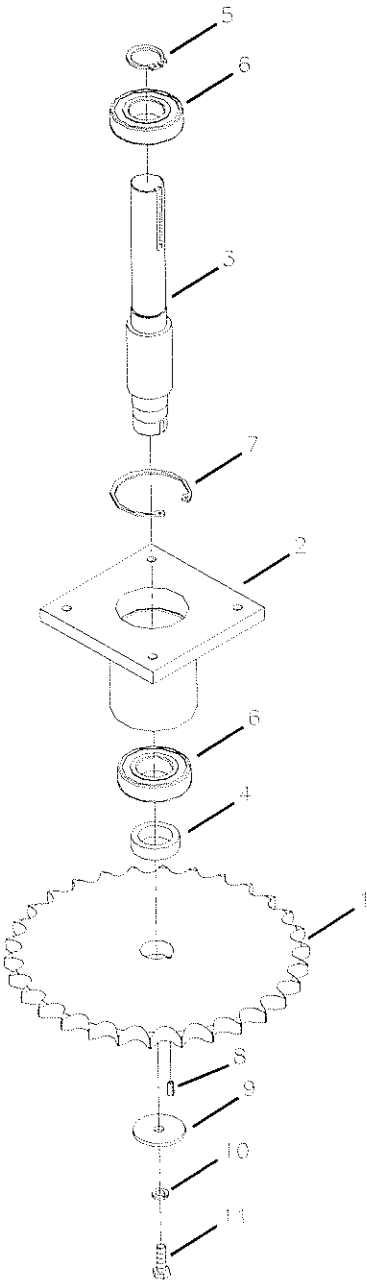
INDEX	PART NUMBER	DESCRIPTION
1	302-3330-00	SPACER BUSHING
2	302-3340-00	PULLEY SHOULDER
3	302-4190-00	FLANGE BEARING
4	302-5010-00	MOUNTING PLATE
5	302-5010-01	MOUNTING PLATE
6	302-5020-00	GUIDE PLATE
7	302-5170-00	BELT TENSIONER
8	302-5180-00	TENSIONER BUSHING
9	302-5190-00	SPRING RETAINER
10	302-5340-00	ACTUATOR GUARD
11	302-5700-00	HEAD REST FRAME
12	302-5710-00	MAGNET GUIDE ROD
13	302-5710-01	MAGNET GUIDE ROD
14	302-5730-00	PIN GUIDE
15	302-5740-00	MAGNET GUIDE
16	303-2350-00	TENSIONING WHEEL
17	303-5010-00	CHAIN GUIDE SUPPORT
18	303-5010-01	CHAIN GUIDE SUPPORT
19	303-5020-00	BUCKET GUIDE
20	303-5700-00	MAGNET DISENGAGEMENT PLATE
21	304-5700-00	PIN HEAD REST
22	7010-003118-062	HEXAGON CAP SCREW, 5/16"-18 X 5/8"
23	7010-003118-075	HEXAGON CAP SCREW, 5/16"-18 X 3/4"
24	7010-003118-125	HEXAGON CAP SCREW, 5/16"-18 X 1-1/4"
25	7010-003118-150	HEXAGON CAP SCREW, 5/16"-18 X 1-1/2"
26	7010-003716-125	HEXAGON CAP SCREW, 3/8"-16 X 1-1/4"
27	7010-003716-250	HEXAGON CAP SCREW, 3/8"-16 X 2-1/2"
28	7010-003716-275	HEXAGON CAP SCREW, 3/8"-16 X 2-3/4"
29	7010-003716-300	HEXAGON CAP SCREW, 3/8"-16 X 3"
30	7010-003716-325	HEXAGON CAP SCREW, 3/8"-16 X 3-1/4"
31	7010-003716-450	HEXAGON CAP SCREW, 3/8"-16 X 4-1/2"
32	7018-003118-037	HEXAGON SOCKET CAP SCREW, 5/16"-18 X 3/8"
33	7024-410800-050	ROUND SOCKET HEAD METAL SCREW, #8 X 1/2"
34	7036-003118-000	NYLOCK NUT, 5/16"-18
35	7036-003716-000	NYLOCK NUT, 3/8"-16
36	7044-003716-000	THIN NYLOCK NUT, 3/8"-16
37	7046-003118-037	WELD NUT, 5/16"-18 X 3/8"
38	7050-028062-006	FLAT WASHER, 9/32" X 5/8" X 1/16"
39	7050-034068-006	FLAT WASHER, 11/32" X 11/16" X 1/16"
40	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
41	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
42	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
43	7060-025046-006	LOCK WASHER, 1/4" X 15/32" X 1/16"
44	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
45	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"
46	7316-312520-075	FLAT SOCKET HEAD BRASS MACHINE SCREW, 1/4"-20 X 3/4"
47	7334-002520-000	BRASS HEXAGON NUT, 1/4"-20
48	S-080	TENSION SPRING
49	SB-308-5700	DETECTION BAR ASSEMBLY



Carrousel

Shaft Sprocket Assembly, Complete (322-5060-00)

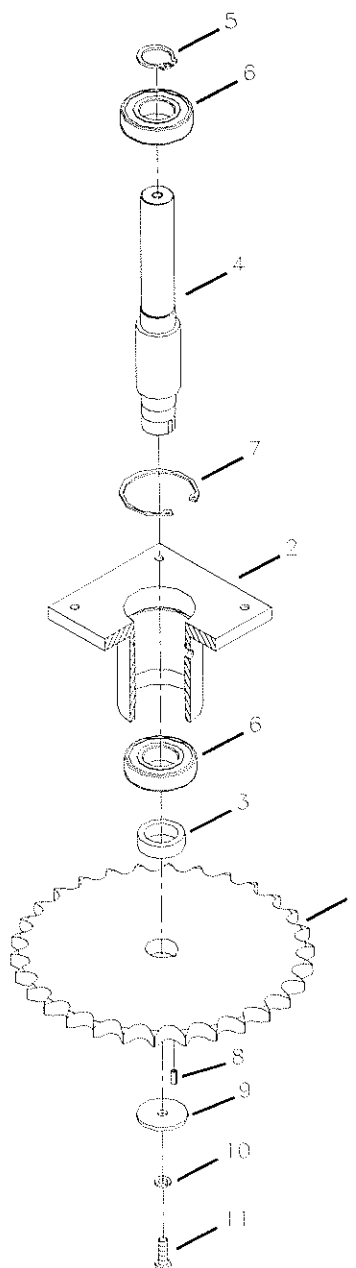
INDEX	PART NUMBER	DESCRIPTION
1	302-5030-00	GEAR 80A30
2	302-5060-00	CARROUSEL HUB
3	302-5080-00	SHAFT SPROCKET
4	302-5085-00	SPACER
5	302-5230-00	HUB C-RING
6	302-6206-00	BALL BEARING
7	7004-300000-243	INTERNAL C-RING, 2-7/16"
8	7006-001800-050	SPRING PIN, 3/16" X 1/2"
9	7050-034175-012	FLAT WASHER, 11/32" X 1-3/4" X 1/8"
10	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
11	7510-003124-100	HEXAGON CAP SCREW GRADE 5, 5/16"-24 X 1"



Carrousel

Idler Sprocket Assembly, Complete (322-5070-00)

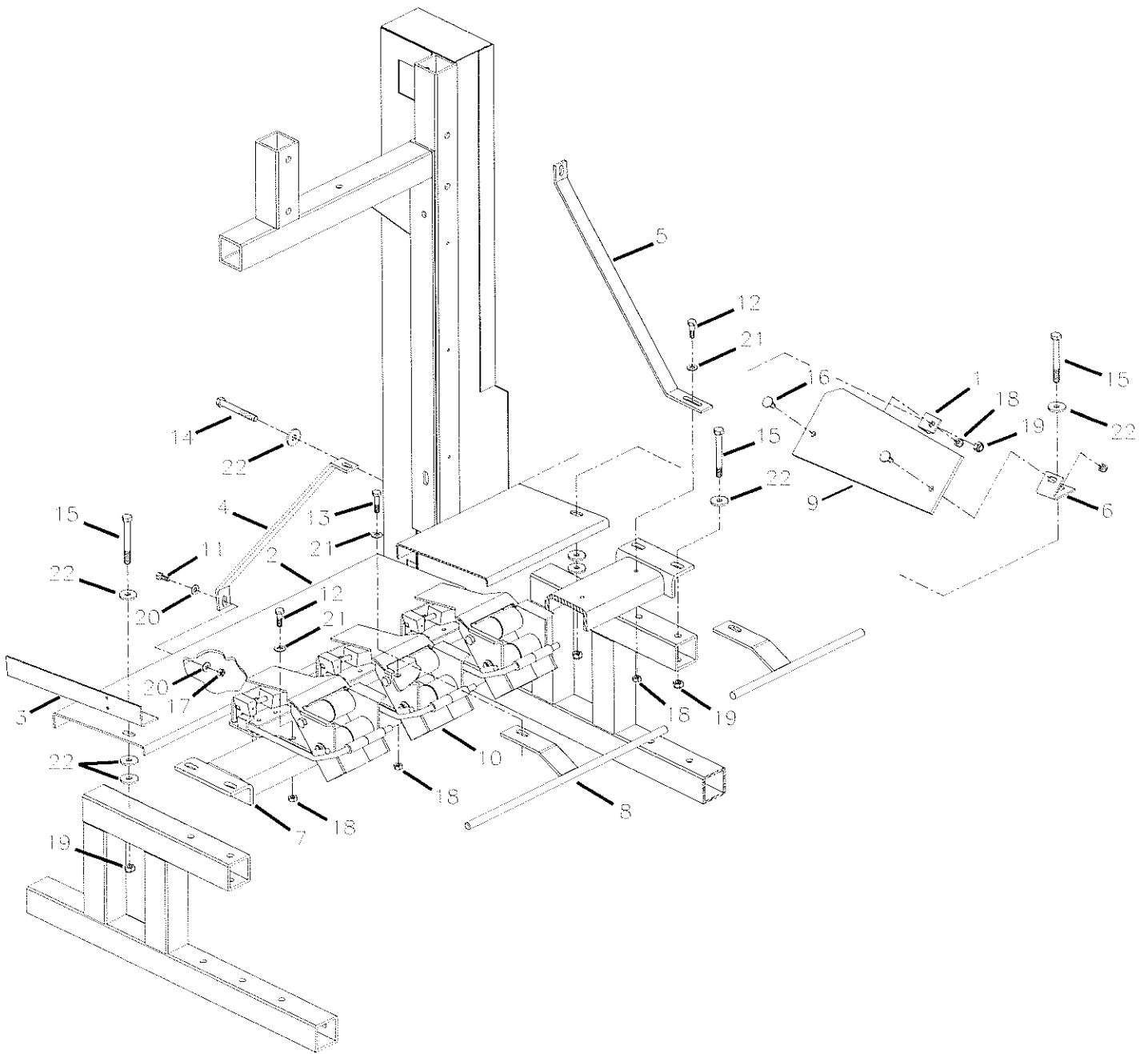
INDEX	PART NUMBER	DESCRIPTION
1	302-5030-00	GEAR 80A30
2	302-5070-00	CARROUSEL HUB
3	302-5085-00	SPACER
4	302-5090-00	SHAFT IDLER SPROCKET
5	302-5230-00	HUB C-RING
6	302-6206-00	BALL BEARING
7	7004-300000-243	INTERNAL C-RING, 2-7/16"
8	7006-001800-050	SPRING PIN, 3/16" X 1/2"
9	7050-034175-012	FLAT WASHER, 11/32" X 1-3/4" X 1/8"
10	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
11	7510-003124-100	HEXAGON CAP SCREW GRADE 5, 5/16"-24 X 1"



Magazine

Main Components

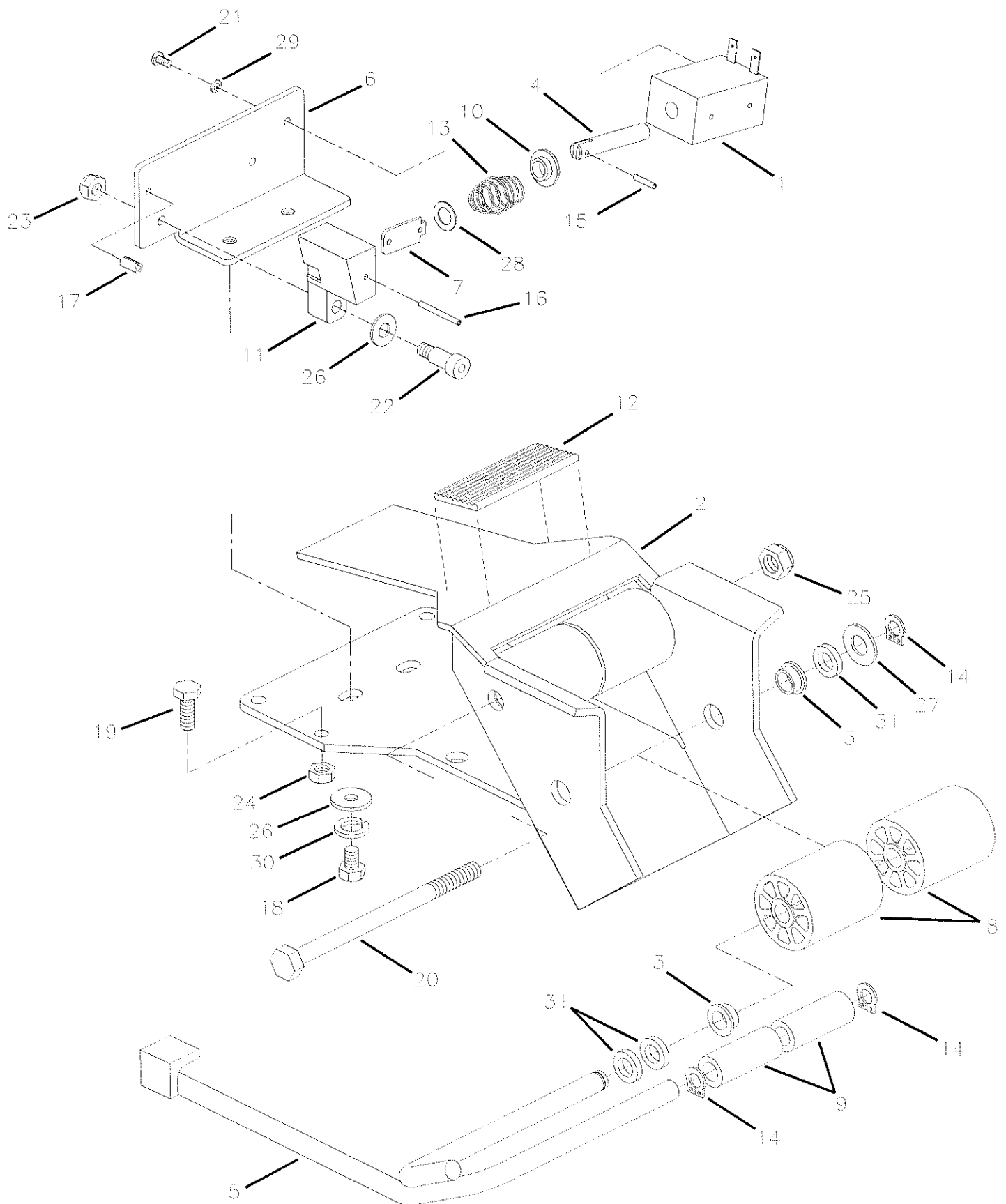
INDEX	PART NUMBER	DESCRIPTION
1	302-0080-00	FRAME BRACKET
2	302-0160-00	PIN GUARD
3	302-0180-00	WIRING BRACKET
4	302-5205-00	CARROUSEL BRACE
5	302-5215-00	CARROUSEL BRACE
6	302-5380-00	BRACKET
7	302-5500-00	MAGAZINE SUPPORT
8	302-5580-00	MAGAZINE GUARD
9	303-5380-00	BRACKET
10	322-5510-00	MAGAZINE STATION ASSEMBLY
11	7010-002520-075	HEXAGON CAP SCREW, 1/4"-20 X 3/4"
12	7010-003118-100	HEXAGON CAP SCREW, 5/16"-18 X 1"
13	7010-003118-125	HEXAGON CAP SCREW, 5/16"-18 X 1-1/4"
14	7010-003716-300	HEXAGON CAP SCREW, 3/8"-16 X 3"
15	7010-003716-325	HEXAGON CAP SCREW, 3/8"-16 X 3-1/4"
16	7012-003118-075	CARRIAGE BOLT, 5/16"-18 X 3/4"
17	7036-002520-000	NYLOCK NUT, 1/4"-20
18	7036-003118-000	NYLOCK NUT, 5/16"-18
19	7036-003716-000	NYLOCK NUT, 3/8"-16
20	7050-028062-006	FLAT WASHER, 9/32" X 5/8" X 1/16"
21	7050-034068-006	FLAT WASHER, 11/32" X 11/16" X 1/16"
22	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"



Magazine

Magazine Station Assembly (322-5510-00)

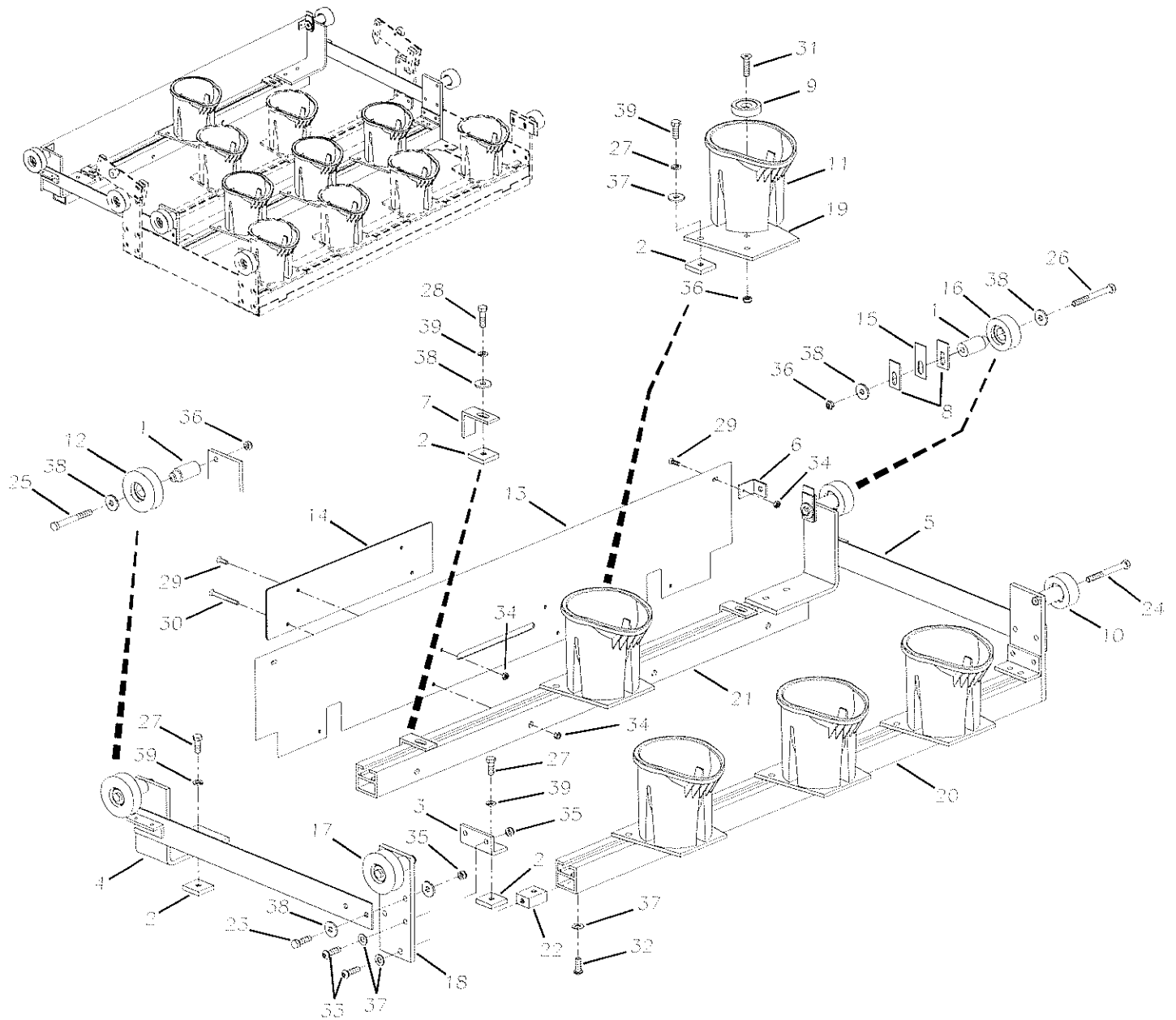
INDEX	PART NUMBER	DESCRIPTION
1	301-5170-00	24VAC INTERMITTANT SOLENOID
2	302-5510-00	MAGAZINE STATION
3	302-5520-00	FLANGE BEARING
4	302-5540-00	SOLENOID SHAFT
5	302-5550-00	RELEASE ARM
6	302-5560-00	SOLENOID BRACKET
7	302-5570-00	ATTACHMENT PLATE
8	303-5510-00	GUIDE ROLLER
9	303-5520-00	GUIDE ROLLER
10	303-5530-00	SPRING RETAINER
11	303-5560-00	SOLENOID BLOCK
12	304-5510-00	LANDING PAD
13	305-5500-00	SHAFT SPRING
14	7002-710000-037	EXTERNAL RETAINING RING, 3/8"
15	7006-000900-050	SPRING TENSION PIN, 3/32" X 1/2"
16	7006-000900-100	SPRING TENSION PIN, 3/32" X 1"
17	7006-001800-037	SPRING TENSION PIN, 3/16" X 3/8"
18	7010-002520-050	HEXAGON CAP SCREW, 1/4"-20 X 1/2"
19	7010-002520-075	HEXAGON CAP SCREW, 1/4"-20 X 3/4"
20	7010-003716-500	HEXAGON CAP SCREW, 3/8"-16 X 5"
21	7016-410632-031	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 5/16"
22	7020-002500-050	SHOULDER SCREW, 1/4" X 1/2"
23	7034-001024-000	HEXAGON NUT, #10-24
24	7036-002520-000	NYLOCK NUT, 1/4"-20
25	7036-003716-000	NYLOCK NUT, 3/8"-16
26	7050-028062-006	FLAT WASHER, 9/32" X 5/8" X 1/16"
27	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
28	7052-034056-003	SPACER WASHER, 11/32" X 9/16" X 1/32"
29	7060-006046-003	LOCK WASHER, 1/16" X 15/32" X 1/32"
30	7060-025046-006	LOCK WASHER, 1/4" X 15/32" X 1/16"
31	7652-037062-012	NYLON SPACER WASHER, 3/8" X 5/8" X 1/8"



Drawer

First and Third Row Components

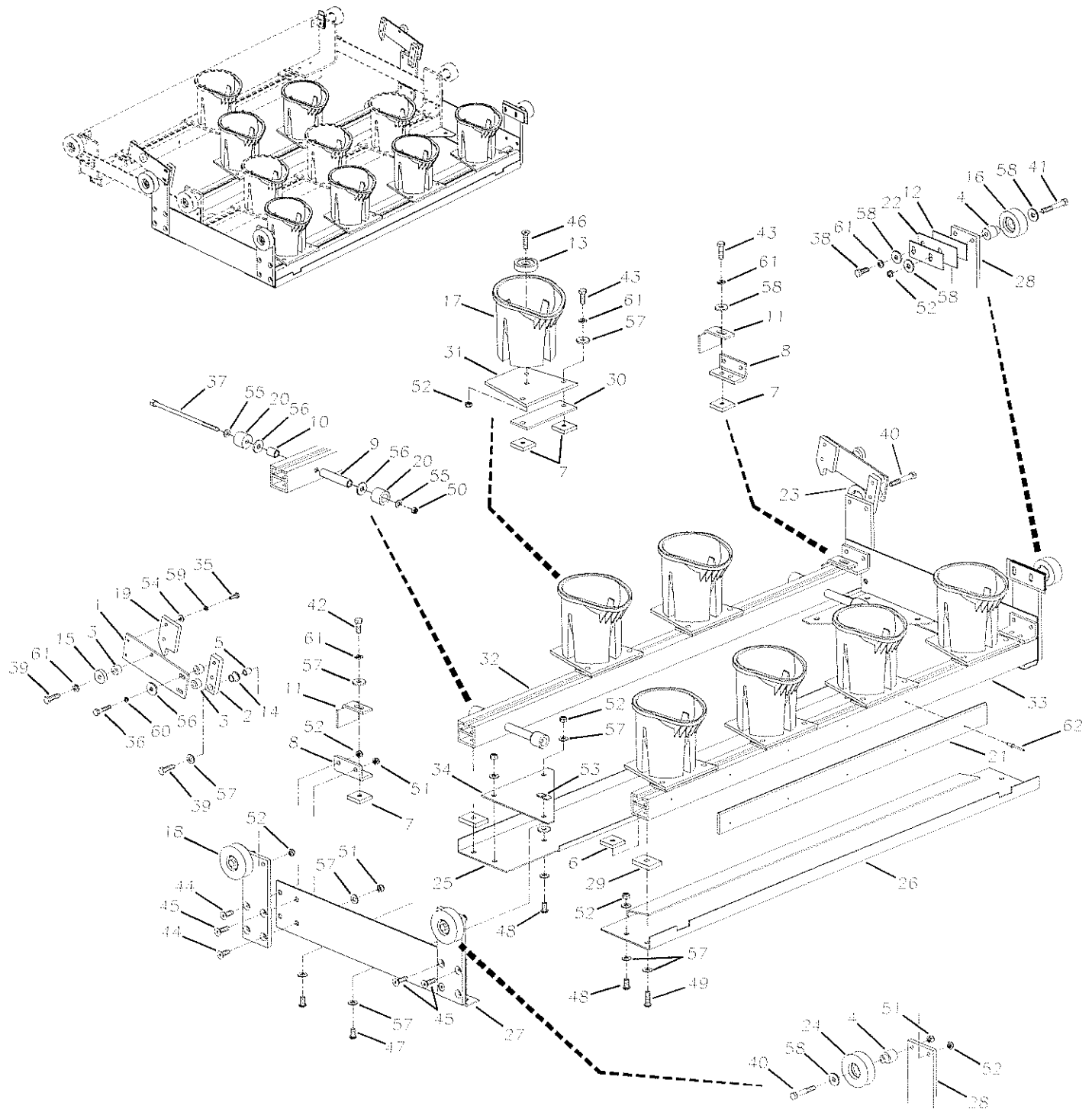
INDEX	PART NUMBER	DESCRIPTION
1	302-3350-00	PULLEY SHOULDER
2	302-3415-00	SQUARE NUT, 3/8"-24
3	302-3420-00	MOUNTING BRACKET
4	302-3430-00	MOUNTING BRACKET, RIGHT
5	302-3435-00	MOUNTING BRACKET, LEFT
6	302-3470-00	FRONT PANEL BRACKET
7	302-3480-00	RETAINING BRACKET
8	302-3510-00	ATTACHMENT PLATE
9	302-3600-00	PIN CUP WASHER
10	303-2340-00	FLAT ROLLER
11	303-3020-00	PIN CUP
12	303-3300-00	ROLLER GUIDE
13	303-3330-00	DRAWER PANEL, FRONT
14	303-3335-00	REINFORCEMENT PLATE
15	304-3510-00	FRONT LIMIT ACTUATOR
16	308-2340-00	FLAT GUIDE ROLLER
17	308-3300-00	GUIDE ROLLER
18	308-3380-00	MOUNTING PLATE
19	308-3430-00	SUPPORT PLATE
20	308-3510-00	3-CUP TUBULAR
21	308-3520-00	1-CUP TUBULAR
22	308-3560-00	ATTACHMENT BLOCK
23	7010-003716-125	HEXAGON CAP SCREW, 3/8"-16 X 1-1/4"
24	7010-003716-300	HEXAGON CAP SCREW, 3/8"-16 X 3"
25	7010-003716-325	HEXAGON CAP SCREW, 3/8"-16 X 3-1/4"
26	7010-003716-350	HEXAGON CAP SCREW, 3/8"-16 X 3-1/2"
27	7010-003724-100	HEXAGON CAP SCREW, 3/8"-24 X 1"
28	7010-003724-125	HEXAGON CAP SCREW, 3/8"-24 X 1-1/4"
29	7012-002520-075	CARRIAGE BOLT, 1/4"-20 X 3/4"
30	7016-312520-075	FLAT SOCKET HEAD MACHINE SCREW, 1/4"-20 X 3/4"
31	7016-312520-300	FLAT SOCKET HEAD MACHINE SCREW, 1/4"-20 X 3"
32	7018-303716-150	FLAT HEAD HEXAGON SOCKET CAP SCREW, 3/8"-16 X 1-1/2"
33	7018-503716-100	BUTTON HEAD HEXAGON SOCKET CAP SCREW, 3/8"-16 X 1"
34	7018-503716-125	BUTTON HEAD HEXAGON SOCKET CAP SCREW, 3/8"-16 X 1-1/4"
35	7036-002520-000	NYLOCK NUT, 1/4"-20
36	7036-003716-000	NYLOCK NUT, 3/8"-16
37	7038-002520-000	HEXAGON K-LOCK NUT, 1/4"-20
38	7044-003716-000	THIN NYLOCK NUT, 3/8"-16
39	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
40	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
41	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"



Drawer

Second and Fourth Row Components

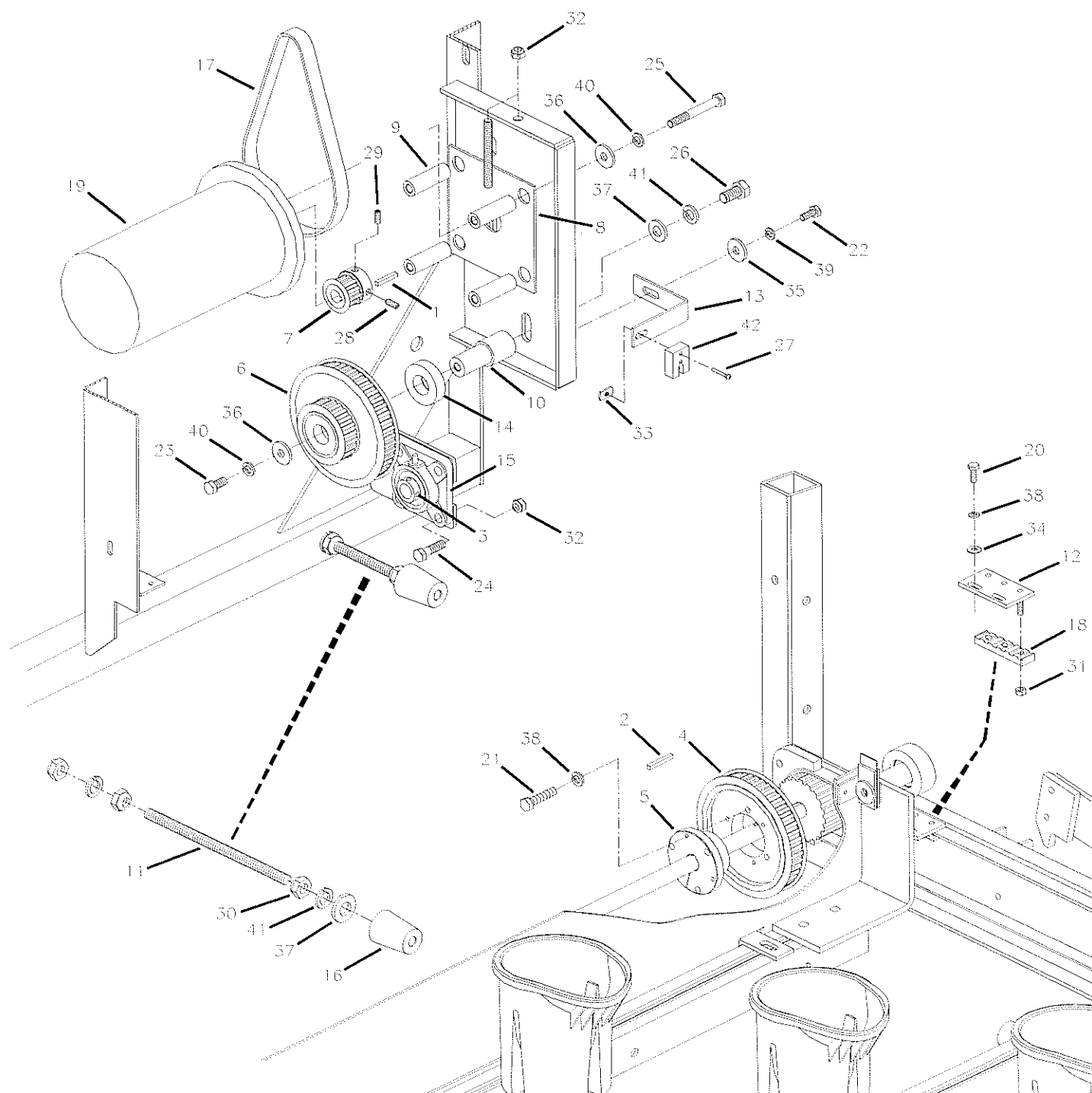
INDEX	PART NUMBER	DESCRIPTION
1	302-3320-00	HOOK PLATE
2	302-3325-00	PIVOT BLOCK
3	302-3330-00	SPACER BUSHING
4	302-3340-00	PULLEY SHOULDER
5	302-3400-00	SLEEVE BEARING
6	302-3410-00	SQUARE NUT, 3/8"-16
7	302-3415-00	SQUARE NUT, 3/8"-24
8	302-3420-00	MOUNTING BRACKET
9	302-3440-00	STOPPER SPACER
10	302-3450-00	STOPPER SPACER
11	302-3490-00	RETAINING BRACKET
12	302-3530-00	ATTACHMENT PLATE
13	302-3600-00	PIN CUP WASHER
14	302-4190-00	FLANGE BEARING
15	302-6200-00	BALL BEARING
16	303-2340-00	FLAT ROLLER
17	303-3020-00	PIN CUP
18	303-3300-00	ROLLER GUIDE
19	303-3320-00	PLASTIC HOOK
20	303-3450-00	DRAWER STOPPER
21	303-3500-00	GUARD RAIL
22	304-3530-00	BACK LIMIT ACTUATOR
23	308-2340-00	FLAT GUIDE ROLLER
24	308-3300-00	GUIDE ROLLER
25	308-3320-00	DRAWER CHANNEL
26	308-3325-00	CHANNEL SUPPORT
27	308-3340-00	FRAME PLATE, SIDE
28	308-3370-00	MOUNTING PLATE
29	308-3390-00	TUBULAR SPACER
30	308-3400-00	PIN CUP SPACER
31	308-3430-00	SUPPORT PLATE
32	308-3490-00	2-CUP TUBULAR
33	308-3500-00	4-CUP TUBULAR
34	308-3580-00	CORNER PLATE
35	7010-002520-075	HEXAGON CAP SCREW, 1/4"-20 X 3/4"
36	7010-003118-150	HEXAGON CAP SCREW, 5/16"-18 X 1-1/2"
37	7010-003118-750	HEXAGON CAP SCREW, 5/16"-18 X 7-1/2"
38	7010-003716-100	HEXAGON CAP SCREW, 3/8"-16 X 1"
39	7010-003716-125	HEXAGON CAP SCREW, 3/8"-16 X 1-1/4"
40	7010-003716-225	HEXAGON CAP SCREW, 3/8"-16 X 2-1/4"
41	7010-003716-250	HEXAGON CAP SCREW, 3/8"-16 X 2-1/2"
42	7010-003724-100	HEXAGON CAP SCREW, 3/8"-24 X 1"
43	7010-003724-125	HEXAGON CAP SCREW, 3/8"-24 X 1-1/4"
44	7018-303716-100	FLAT HEAD HEXAGON SOCKET CAP SCREW, 3/8"-16 X 1"
45	7018-303716-125	FLAT HEAD HEXAGON SOCKET CAP SCREW, 3/8"-16 X 1-1/4"
46	7018-303716-150	FLAT HEAD HEXAGON SOCKET CAP SCREW, 3/8"-16 X 1-1/2"
47	7018-503716-050	BUTTON HEAD HEXAGON SOCKET CAP SCREW, 3/8"-16 X 1/2"
48	7018-503716-075	BUTTON HEAD HEXAGON SOCKET CAP SCREW, 3/8"-16 X 3/4"
49	7018-503716-125	BUTTON HEAD HEXAGON SOCKET CAP SCREW, 3/8"-16 X 1-1/4"
50	7036-003118-000	NYLOCK NUT, 5/16"-18
51	7036-003716-000	NYLOCK NUT, 3/8"-16
52	7044-003716-000	THIN NYLOCK NUT, 3/8"-16
53	7046-003716-012	WELD NUT, 3/8"-16 X 1/8"
54	7050-028062-006	FLAT WASHER, 9/32" X 5/8" X 1/16"
55	7050-034068-006	FLAT WASHER, 11/32" X 11/16" X 1/16"
56	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
57	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
58	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
59	7060-025046-006	LOCK WASHER, 1/4" X 15/32" X 1/16"
60	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
61	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"
62	7108-401800-062	DOME HEAD ALUMINUM POP RIVET, 3/16" X 5/8"



Drawer

Drive Components

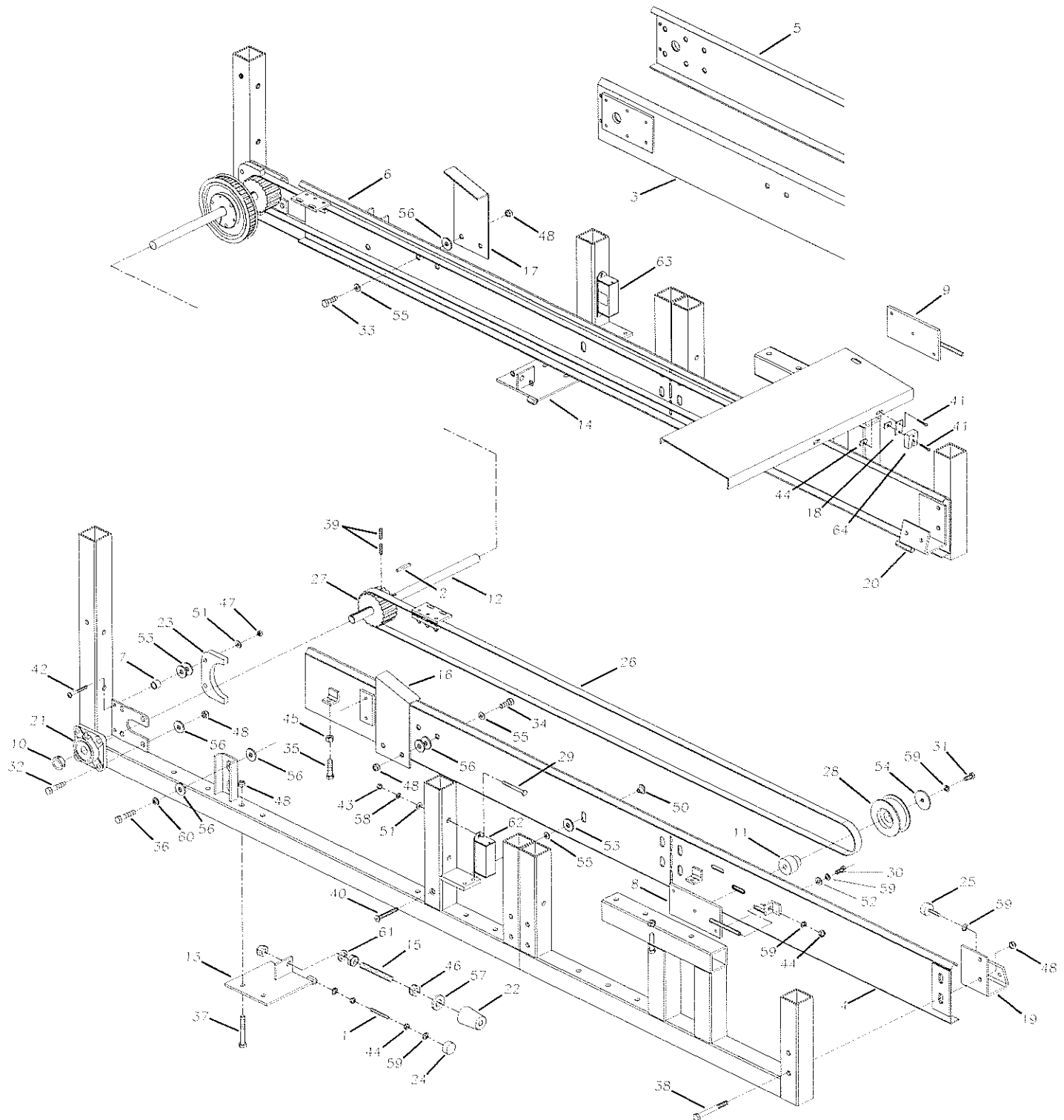
INDEX	PART NUMBER	DESCRIPTION
1	302-2430-00	MACHINE KEY, 3/16" X 1-3/8"
2	302-2440-00	MACHINE KEY, 3/16" X 1-3/4"
3	302-3060-00	LOCKING COLLAR, 3/4"
4	302-3090-00	TIMING GEAR, 48L075
5	302-3100-00	PULLEY HUB, 3/4"
6	302-3110-00	TIMING GEAR, 48L075 / 24LB075
7	302-3120-00	TIMING GEAR, 12L075
8	302-3130-00	TENSION PLATE
9	302-3140-00	MOTOR SPACER
10	302-3150-00	TIMING GEAR SHAFT
11	302-3310-00	THREAD ROD, 1/2" X 9"
12	302-3360-00	MOUNTING PLATE
13	302-3500-00	OPTICAL SENSOR BRACKET
14	302-6205-00	BALL BEARING
15	302-6211-00	FLANGE BALL BEARING, 3/4"
16	303-3310-00	STAGING MAGNET
17	304-3010-00	DRAWER MOTOR BELT, 255L075
18	308-3360-00	BELT HOLDER
19	311-1000-00	DRAWER MOTOR ASSEMBLY, 180VDC 1/2HP
20	7010-002520-075	HEXAGON CAP SCREW, 1/4"-20 X 3/4"
21	7010-002520-125	HEXAGON CAP SCREW, 1/4"-20 X 1-1/4"
22	7010-003118-075	HEXAGON CAP SCREW, 5/16"-18 X 3/4"
23	7010-003716-075	HEXAGON CAP SCREW, 3/8"-16 X 3/4"
24	7010-003716-125	HEXAGON CAP SCREW, 3/8"-16 X 1-1/4"
25	7010-003716-300	HEXAGON CAP SCREW, 3/8"-16 X 3"
26	7010-005013-100	HEXAGON CAP SCREW, 1/2"-13 X 1"
27	7016-410632-100	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 1"
28	7018-003118-050	HEXAGON SOCKET CAP SCREW, 5/16"-18 X 1/2"
29	7018-003118-062	HEXAGON SOCKET CAP SCREW, 5/16"-18 X 5/8"
30	7034-005013-000	HEXAGON NUT, 1/2"-13
31	7036-002520-000	NYLOCK NUT, 1/4"-20
32	7036-003716-000	NYLOCK NUT, 3/8"-16
33	7046-000632-006	WELD NUT, #6-32 X 1/16"
34	7050-028062-006	FLAT WASHER, 9/32" X 5/8" X 1/16"
35	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
36	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
37	7050-050106-009	FLAT WASHER, 1/2" X 1-1/16" X 3/32"
38	7060-025046-006	LOCK WASHER, 1/4" X 15/32" X 1/16"
39	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
40	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"
41	7060-050087-012	LOCK WASHER, 1/2" X 7/8" X 1/8"
42	SB-ECIL-325-FS	OPTICAL SENSOR ASSEMBLY



Drawer

Movement Components

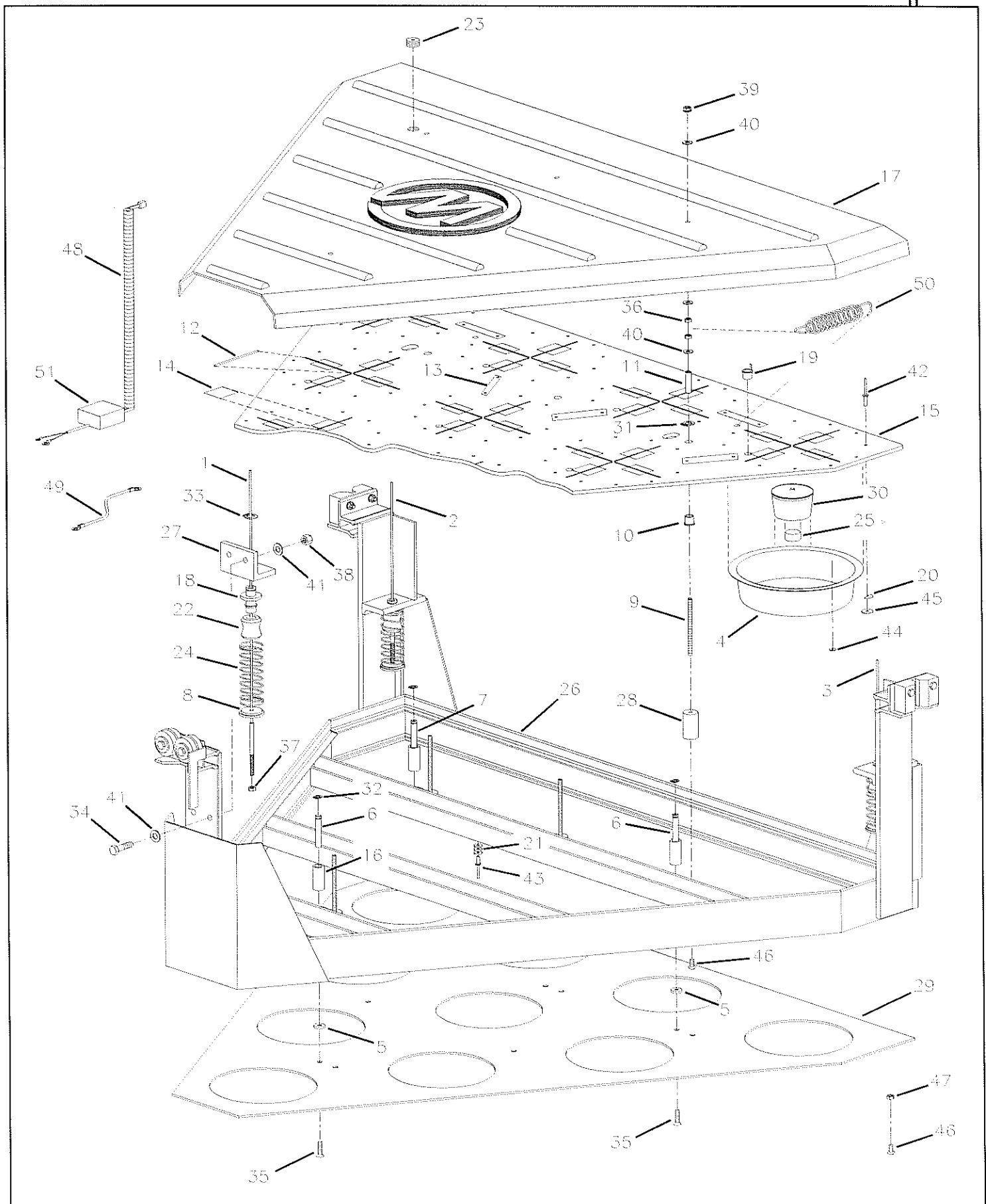
INDEX	PART NUMBER	DESCRIPTION
1	302-1560-00	THREAD ROD, 5/16"-18 X 2"
2	302-2440-00	MACHINE KEY, 3/16" X 1-3/4"
3	302-3010-00	DRAWER SLIDE, RIGHT
4	302-3010-01	DRAWER SLIDE, RIGHT
5	302-3015-00	DRAWER SLIDE, LEFT
6	302-3015-01	DRAWER SLIDE, LEFT
7	302-3020-00	SPACER BUSHING
8	302-3030-00	TENSION PLATE, RIGHT
9	302-3035-00	TENSION PLATE, LEFT
10	302-3060-00	LOCKING COLLAR, 3/4"
11	302-3070-00	BEARING SHOULDER
12	302-3080-00	DRAWER SHAFT
13	302-3370-00	DRAWER BRACKET, RIGHT
14	302-3375-00	DRAWER BRACKET, LEFT
15	302-3380-00	THREAD ROD, 1/2"-13 X 3-3/4"
16	302-3390-00	DRAWER HOOK SLOPE, RIGHT
17	302-3395-00	DRAWER HOOK SLOPE, LEFT
18	302-3520-00	OPTICAL SENSOR BRACKET
19	302-3540-00	ANGLED STOPPER, RIGHT
20	302-3545-00	ANGLED STOPPER, LEFT
21	302-6211-00	FLANGE BALL BEARING, 3/4"
22	303-3310-00	STAGING MAGNET
23	303-3340-00	BELT GUARD
24	304-1560-00	BUMPER PAD
25	304-1565-00	BUMPER PAD
26	304-3000-00	DRAWER BELT, H075
27	308-3050-00	TIMING GEAR, 20H100
28	308-3060-00	DRAWER PULLEY
29	7010-002520-250	HEXAGON CAP SCREW, 1/4"-20 X 2-1/2"
30	7010-003118-075	HEXAGON CAP SCREW, 5/16"-18 X 3/4"
31	7010-003118-175	HEXAGON CAP SCREW, 5/16"-18 X 1-3/4"
32	7010-003716-075	HEXAGON CAP SCREW, 3/8"-16 X 3/4"
33	7010-003716-100	HEXAGON CAP SCREW, 3/8"-16 X 1"
34	7010-003716-125	HEXAGON CAP SCREW, 3/8"-16 X 1-1/4"
35	7010-003716-150	HEXAGON CAP SCREW, 3/8"-16 X 1-1/2"
36	7010-003716-175	HEXAGON CAP SCREW, 3/8"-16 X 1-3/4"
37	7010-003716-275	HEXAGON CAP SCREW, 3/8"-16 X 2-3/4"
38	7010-003716-350	HEXAGON CAP SCREW, 3/8"-16 X 3-1/2"
39	7014-002520-037	HEXAGON SOCKET SET SCREW, 1/4"-20 X 3/8"
40	7016-313118-250	FLAT SOCKET HEAD MACHINE SCREW, 5/16"-18 X 2-1/2"
41	7016-410632-100	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 1"
42	7016-412520-200	ROUND SOCKET HEAD MACHINE SCREW, 1/4"-20 X 2"
43	7034-002520-000	HEXAGON NUT, 1/4"-20
44	7034-003118-000	HEXAGON NUT, 5/16"-18
45	7034-003716-000	HEXAGON NUT, 3/8"-16
46	7034-005013-000	HEXAGON NUT, 1/2"-13
47	7036-002520-000	NYLOCK NUT, 1/4"-20
48	7036-003716-000	NYLOCK NUT, 3/8"-16
49	7046-000632-006	WELD NUT, #6-32 X 1/16"
50	7046-003118-037	WELD NUT, 5/16"-18 X 3/8"
51	7050-028062-006	FLAT WASHER, 9/32" X 5/8" X 1/16"
52	7050-034068-006	FLAT WASHER, 11/32" X 11/16" X 1/16"
53	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
54	7050-034175-012	FLAT WASHER, 11/32" X 1-3/4" X 1/8"
55	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
56	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
57	7050-050106-009	FLAT WASHER, 1/2" X 1-1/16" X 3/32"
58	7060-025046-006	LOCK WASHER, 1/4" X 15/32" X 1/16"
59	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
60	7060-037067-010	LOCK WASHER, 3/8" X 43/64" X 7/64"
61	7060-050087-012	LOCK WASHER, 1/2" X 7/8" X 1/8"
62	SB-1500-41	DRAWER OBSTRUCTION RECEIVER ASSEMBLY
63	SB-1500-42	DRAWER OBSTRUCTION TRANSMITTER ASSEMBLY
64	SB-ECIL-325-FS	OPTICAL SENSOR ASSEMBLY



Deck

Main Components

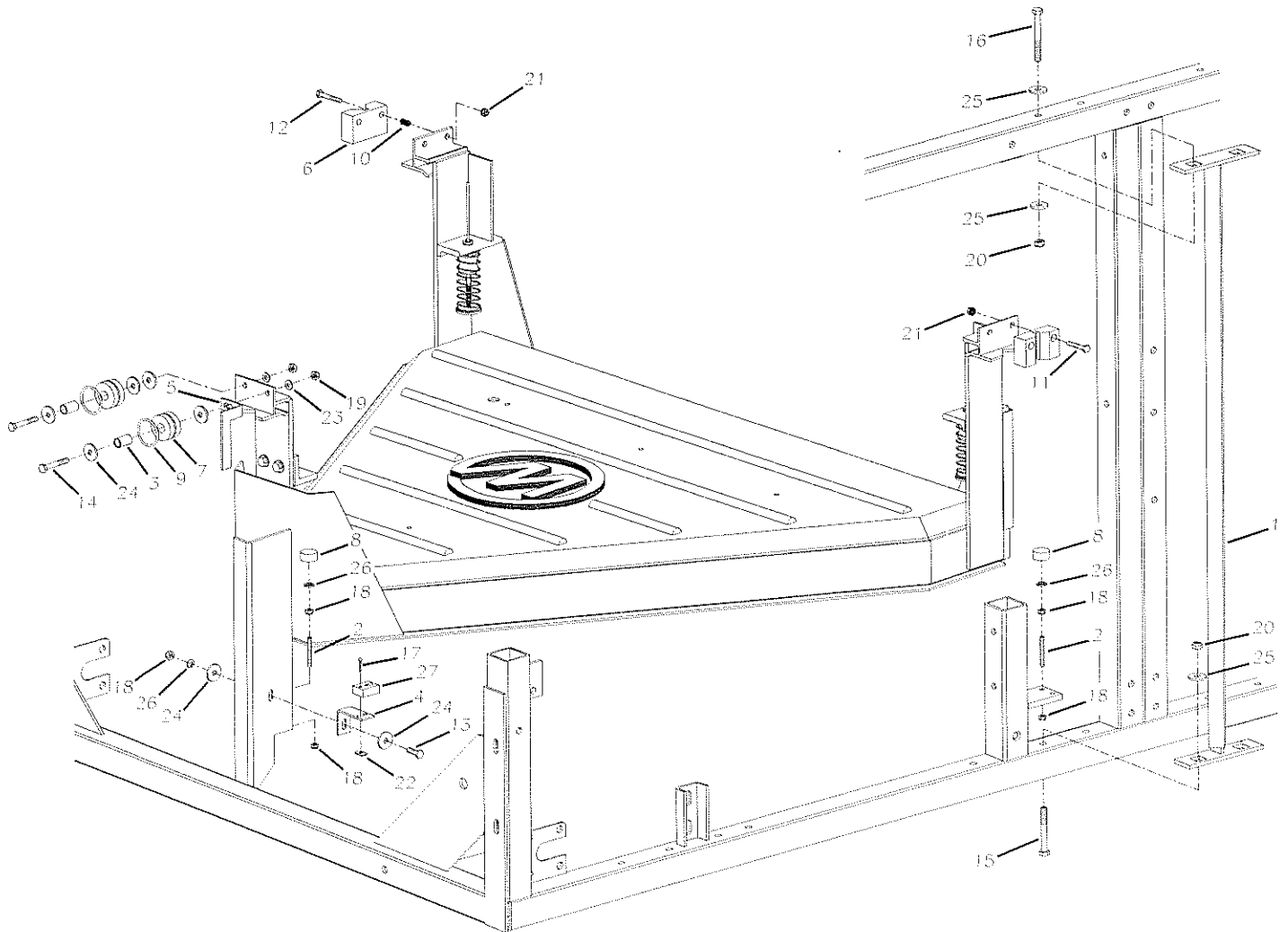
INDEX	PART NUMBER	DESCRIPTION
1	302-1150-00	DECK WIRE, 79-13/16"
2	302-1160-00	DECK WIRE, 77"
3	302-1170-00	DECK WIRE, 63"
4	302-1500-00	FLUID DISH
5	302-1510-00	SPECIAL WASHER
6	302-1520-00	OUT OF RANGE PIN
7	302-1525-00	TAPERED PIN
8	302-1530-00	RETAINING DISK
9	302-1550-00	THREAD ROD, 1/4"-20 X 4"
10	302-1570-00	FLANGE BEARING
11	302-1580-00	BUSHING GUIDE
12	302-1620-00	POSITIONING ROD
13	302-1630-00	GROUND STICKER 1
14	302-1640-00	GROUND STICKER 2
15	303-1500-00	DISH COVER
16	303-1510-00	OUT OF RANGE SLEEVE
17	303-1520-00	DECK COVER
18	303-1560-00	WIRE GUIDE
19	303-1580-00	DISH PLUG
20	303-1620-00	HALF MOON SPACER WASHER
21	303-1625-00	WASHER
22	304-1550-00	SLEEVE SHOCK ABSORBER
23	304-1580-00	DECK GROMMET
24	305-1000-00	DECK WIRE SPRING
25	307-0050-00	DECK MAGNET
26	308-1500-00	DECK FRAME
27	308-1510-00	DECK BRACKET
28	308-1550-00	BUSHING HOLDER
29	308-1600-00	OUT OF RANGE PLATE
30	333-1600-00	DECK BOAT ASSEMBLY
31	7002-310000-059	EXTERNAL RETAINING RING, 19/32"
32	7002-710000-037	EXTERNAL RETAINING RING, 3/8"
33	7002-710000-062	EXTERNAL RETAINING RING, 5/8"
34	7010-003716-150	HEXAGON CAP SCREW, 3/8"-16 X 1-1/2"
35	7016-312520-100	FLAT SOCKET HEAD MACHINE SCREW, 1/4"-20 X 1"
36	7034-002520-000	HEXAGON NUT, 1/4"-20
37	7036-002520-000	NYLOCK NUT, 1/4"-20
38	7036-003716-000	NYLOCK NUT, 3/8"-16
39	7038-002520-000	HEXAGON K-LOCK NUT, 1/4"-20
40	7050-028062-006	FLAT WASHER, 9/32" X 5/8" X 1/16"
41	7050-040081-006	FLAT WASHER, 13/32" X 13/16" X 1/16"
42	7108-401800-075	DOME HEAD ALUMINUM POP RIVET, 3/16" X 3/4"
43	7108-401800-100	DOME HEAD ALUMINUM POP RIVET, 3/16" X 1"
44	7150-019050-006	ALUMINUM FLAT WASHER, 0.193" X 1/2" X 1/16"
45	7150-019075-009	ALUMINUM FLAT WASHER, 0.193" X 3/4" X 3/32"
46	7316-412520-050	ROUND SOCKET HEAD BRASS MACHINE SCREW, 1/4"-20 X 1/2"
47	7334-002520-000	BRASS HEXAGON NUT, 1/4"-20
48	E-PH113-14	COILED CORD
49	EC-2001-GD	MM-2001 DECK GROUND CABLE ASSEMBLY
50	S-071	TENSION SPRING
51	SB-2001-BTEL	MODULAR BOX ASSEMBLY



Deck

Frame Attachment Components

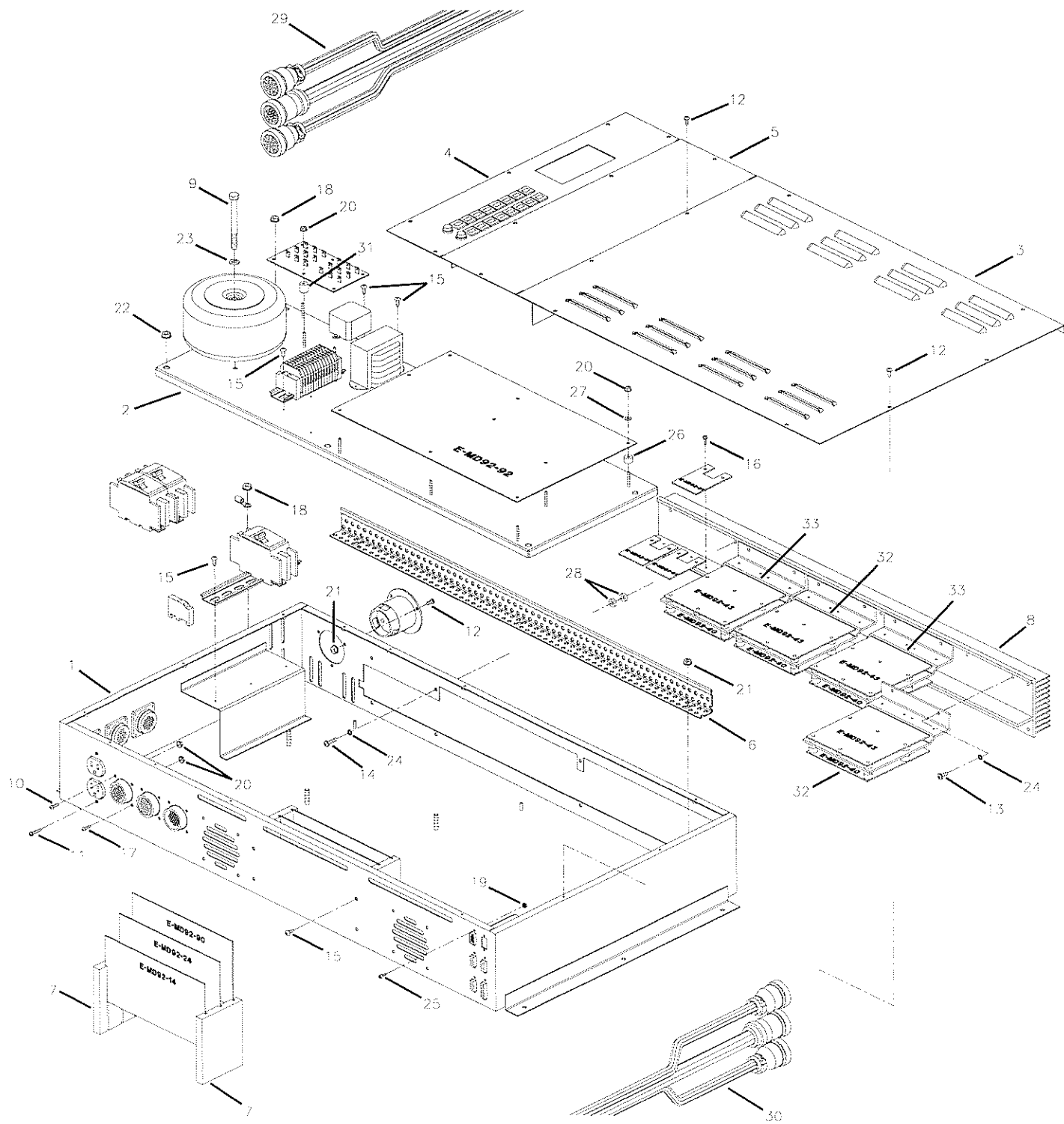
INDEX	PART NUMBER	DESCRIPTION
1	302-1140-00	DECK COLUMN
2	302-1560-00	THREAD ROD, 5/16"-18 X 2"
3	302-1590-00	SLEEVE BEARING
4	302-1600-00	OPTICAL SENSOR BRACKET
5	302-1610-00	UP & DOWN ACTUATOR
6	303-1540-00	COLUMN GUIDE
7	303-1570-00	ROLLER GUIDE
8	304-1560-00	BUMPER PAD
9	304-1570-00	ROLLER GUIDE O-RING
10	305-1100-00	COLUMN SPRING
11	7010-002520-150	HEXAGON CAP SCREW, 1/4"-20 X 1-1/2"
12	7010-002520-175	HEXAGON CAP SCREW, 1/4"-20 X 1-3/4"
13	7010-003118-100	HEXAGON CAP SCREW, 5/16"-18 X 1"
14	7010-003118-200	HEXAGON CAP SCREW, 5/16"-18 X 2"
15	7010-003716-300	HEXAGON CAP SCREW, 3/8"-16 X 3"
16	7010-003716-325	HEXAGON CAP SCREW, 3/8"-16 X 3-1/4"
17	7016-410632-100	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 1"
18	7034-003118-000	HEXAGON NUT, 5/16"-18
19	7036-003118-000	NYLOCK NUT, 5/16"-18
20	7036-003716-000	NYLOCK NUT, 3/8"-16
21	7038-002520-000	HEXAGON K-LOCK NUT, 1/4"-20
22	7046-000632-006	WELD NUT, #6-32 X 1/16"
23	7050-028062-006	FLAT WASHER, 9/32" X 5/8" X 1/16"
24	7050-034100-012	FLAT WASHER, 11/32" X 1" X 1/8"
25	7050-040112-012	FLAT WASHER, 13/32" X 1-1/8" X 1/8"
26	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
27	SB-ECIL-325-FS	OPTICAL SENSOR ASSEMBLY



Electronic Power Box

SB-302-7000 Plan 1

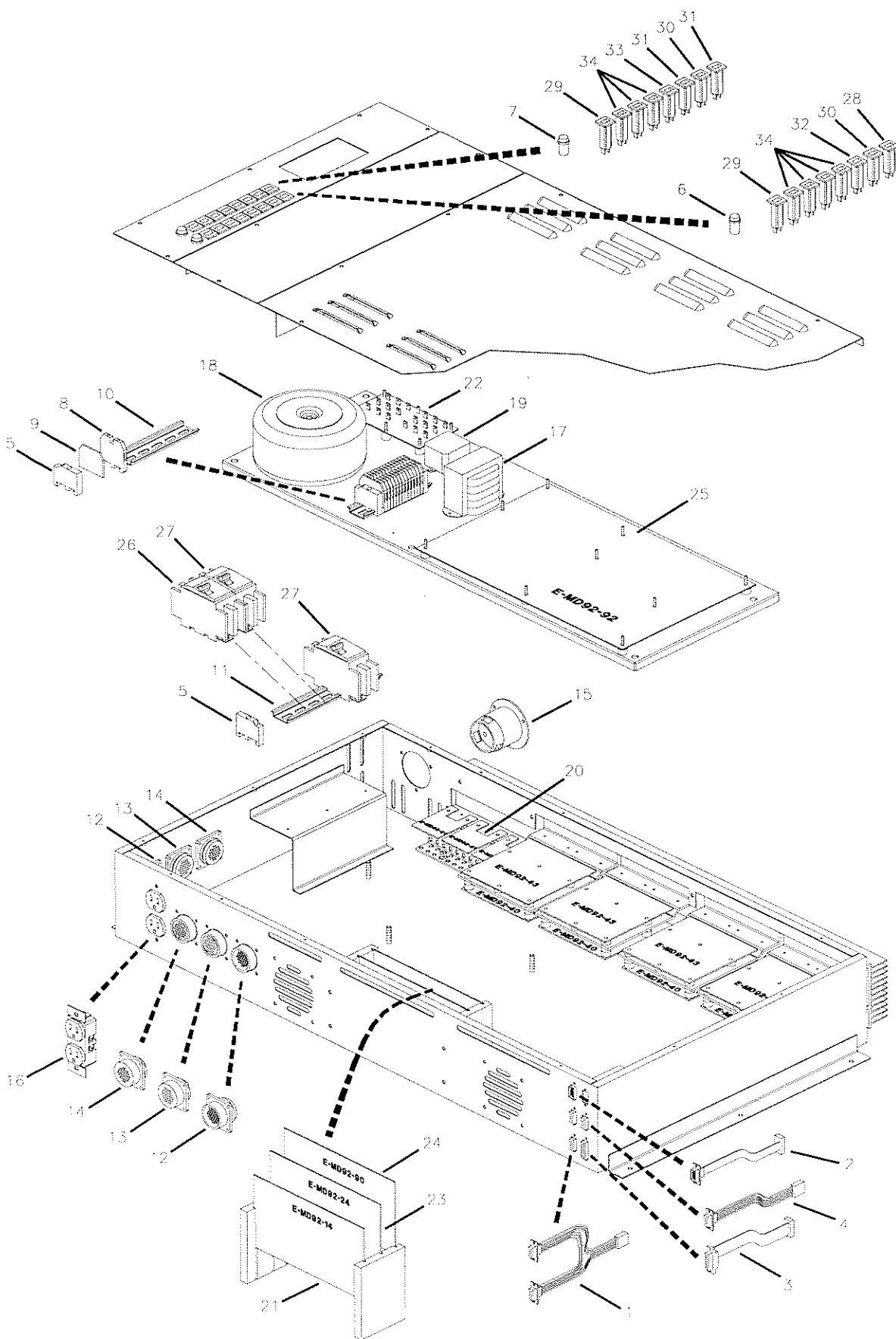
INDEX	PART NUMBER	DESCRIPTION
1	302-7000-00	ELECTRONIC POWER BOX CHASSIS
2	302-7010-00	MOUNTING PLATE
3	302-7020-00	VENTILATION COVER
4	302-7030-00	CIRCUIT BREAKER COVER
5	302-7040-00	ELECTRONIC POWER BOX COVER
6	302-7050-00	CABLING GUARD
7	303-7000-00	PCB GUIDE
8	308-7000-00	ELECTRONIC POWER BOX GRILL
9	7010-003118-350	HEXAGON CAP SCREW, 5/16"-18 X 3-1/2"
10	7016-410632-050	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 1/2"
11	7016-410832-037	ROUND SOCKET HEAD MACHINE SCREW, #8-32 X 3/8"
12	7016-411032-050	ROUND SOCKET HEAD MACHINE SCREW, #10-32 X 1/2"
13	7016-411032-075	ROUND SOCKET HEAD MACHINE SCREW, #10-32 X 3/4"
14	7016-410632-050	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 1/2"
15	7024-410800-050	ROUND SOCKET HEAD METAL SCREW, #8 X 1/2"
16	7024-610600-037	PAN SOCKET HEAD METAL SCREW, #6 X 3/8"
17	7024-610800-050	PAN SOCKET HEAD METAL SCREW, #8 X 1/2"
18	7034-001032-000	HEXAGON NUT, #10-32
19	7038-000440-000	HEXAGON K-LOCK NUT, #4-40
20	7038-000632-000	HEXAGON K-LOCK NUT, #6-32
21	7038-000832-000	HEXAGON K-LOCK NUT, #8-32
22	7038-002520-000	HEXAGON K-LOCK NUT, 1/4"-20
23	7060-031057-009	LOCK WASHER, 5/16" X 37/64" X 3/32"
24	7062-006028-002	TOOTH LOCK WASHER, 1/16" X 9/32" X 1/48"
25	E-205817-1	FEMALE SCREWLOCK, #6-32
26	E-219	NYLON SPACER
27	E-W3751	NYLON SPACER
28	E-W5007	NYLON SPACER
29	EC-2001-100	CABLE LANE # 1
30	EC-2001-200	CABLE LANE # 2
31	P-057	NYLON SPACER
32	SB-308-7100	DECK DC DRIVE ASSEMBLY
33	SB-308-7110	DRAWER DC DRIVE ASSEMBLY



Electronic Power Box

SB-302-7000 Plan 2

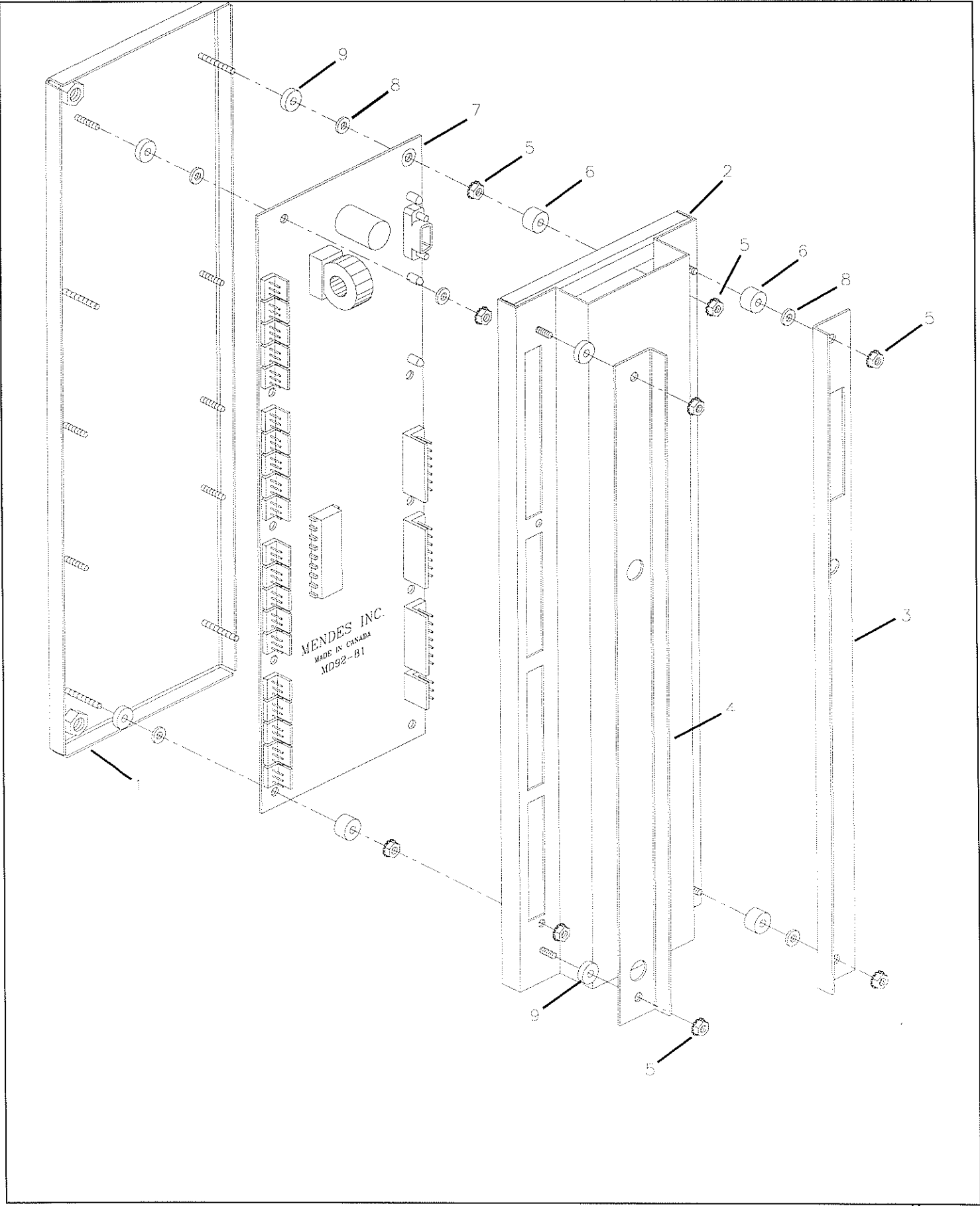
INDEX	PART NUMBER	DESCRIPTION
1	CPB-70	CARROUSEL CONTROLLERS CABLE
2	CPB-71	MAGNET 2001 CONTROLLER CABLE
3	CPB-72	CAMERA & BALL DETECTORS CABLE
4	CPB-73	AUTOMATIC SCORING CABLE
5	E-103002-26	TERMINAL STRIP STOPPER
6	E-1052CS-115	GREEN PILOT LAMP, 115VAC
7	E-1090C1-28	RED PILOT LAMP, 28VAC
8	E-115116	ELECTRIC TERMINAL, #18
9	E-118368	ELECTRIC TERMINAL SEPARATOR
10	E-164800-5	ELECTRIC TERMINAL RAIL, 5"
11	E-164800-65	ELECTRIC TERMINAL RAIL, 6-1/2"
12	E-206151-1	MALE CONNECTOR, CPC-37
13	E-206306-1	FEMALE CONNECTOR, CPC-37
14	E-211773-1	FEMALE CONNECTOR, CPC-19
15	E-2625	EMBEDDED PLUG
16	E-5252	DUPLEX RECEPTACLE
17	E-B1091	VOLTAGE TRANSFORMER
18	E-D0275E	TOROIDAL TRANSFORMER
19	E-F2716	CORCOM FILTER
20	E-MD92-01	AC DRIVE PCB
21	E-MD92-14	INPUT PCB
22	E-MD92-21	TERMINAL PCB
23	E-MD92-24	24-VOLT OUTPUT PCB
24	E-MD92-90	90-VOLT OUTPUT PCB
25	E-MD92-92	CENTRAL PROCESSING UNIT PCB
26	E-QUO210	CIRCUIT BREAKER, 10 AMP
27	E-QUO215	CIRCUIT BREAKER, 15 AMP
28	E-W28XQ1A-1	CIRCUIT OVERLOAD, 1 AMP
29	E-W28XQ1A-10	CIRCUIT OVERLOAD, 10 AMP
30	E-W28XQ1A-2	CIRCUIT OVERLOAD, 2 AMP
31	E-W28XQ1A-3	CIRCUIT OVERLOAD, 3 AMP
32	E-W28XQ1A-4	CIRCUIT OVERLOAD, 4 AMP
33	E-W28XQ1A-5	CIRCUIT OVERLOAD, 5 AMP
34	E-W28XQ1A-7	CIRCUIT OVERLOAD, 7 AMP



Carrousel Controller

SB-302-7100

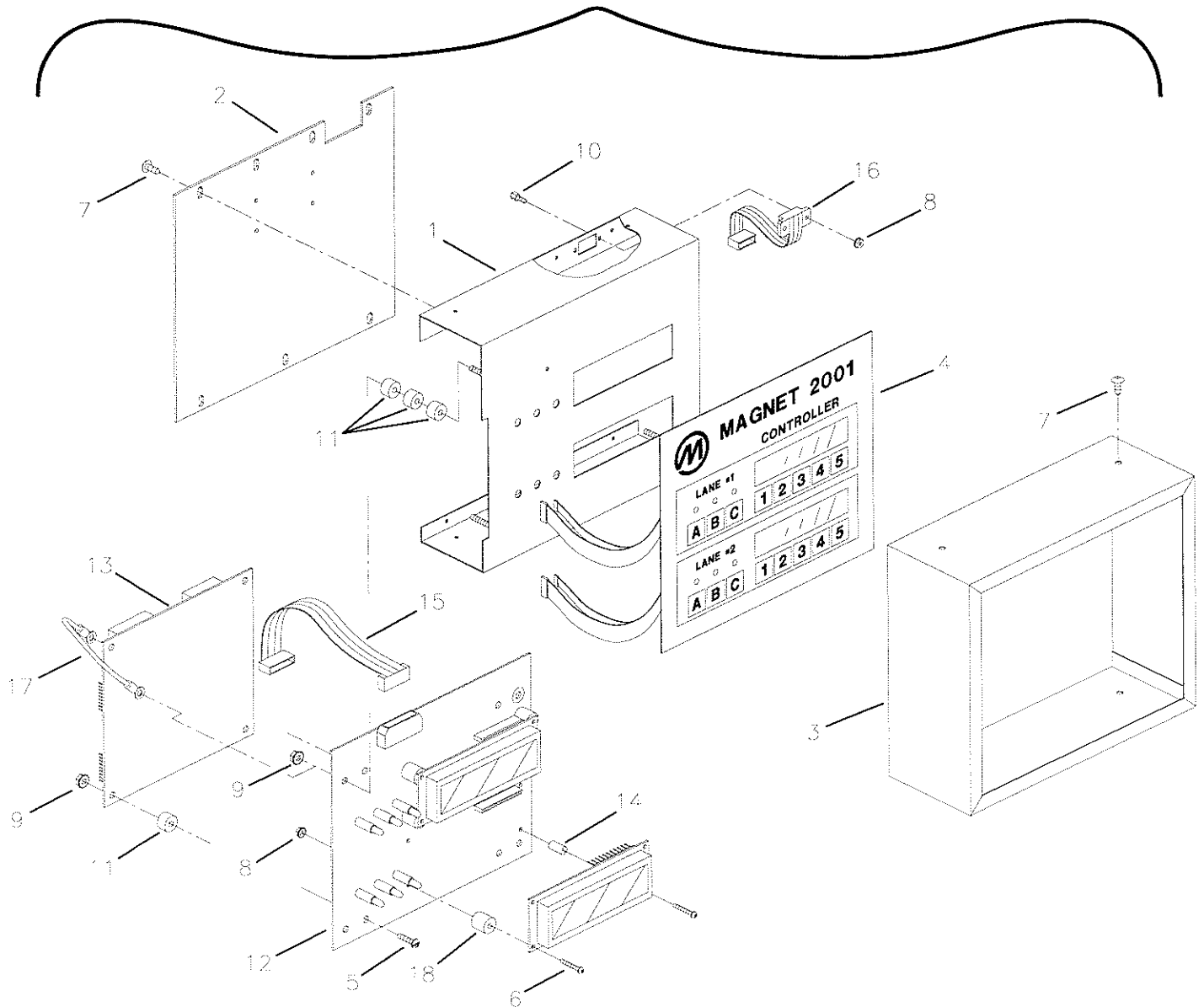
INDEX	PART NUMBER	DESCRIPTION
1	302-7100-00	PCB BASE
2	302-7110-00	PCB COVER
3	302-7130-00	RETAINING CABLE # 1
4	302-7140-00	RETAINING CABLE # 2
5	7038-000632-000	HEXAGON K-LOCK NUT, #6-32
6	E-219	NYLON SPACER
7	E-MD92-81	CARROUSEL PCB
8	E-W3751	NYLON SPACER
9	E-W5007	NYLON SPACER



Magnet 2001 Controller

SB-302-7200

INDEX	PART NUMBER	DESCRIPTION
1	302-7200-00	2001 CONTROLLER FRAME
2	302-7210-00	2001 CONTROLLER COVER, REAR
3	302-7220-00	2001 CONTROLLER COVER
4	303-7200-00	2001 CONTROLLER MEMBRANE
5	7016-410440-075	ROUND SOCKET HEAD MACHINE SCREW, #4-40 X 3/4"
6	7016-410632-062	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 5/8"
7	7024-410800-050	ROUND SOCKET HEAD METAL SCREW, #8 X 1/2"
8	7038-000440-000	HEXAGON K-LOCK NUT, #4-40
9	7038-000632-000	HEXAGON K-LOCK NUT, #6-32
10	E-205817-1	FEMALE SCREWLOCK, #6-32
11	E-219	NYLON SPACER
12	E-MD92-79	DISPLAY PCB
13	E-MD92-80	2001 CONTROLLER PCB
14	E-TSP-8	NYLON SPACER
15	EC-2001-68	DISPLAY CABLE ASSEMBLY
16	EC-2001-69	COMMUNICATION CABLE ASSEMBLY
17	EC-2001-71	GROUND CABLE ASSEMBLY
18	P-057	NYLON SPACER

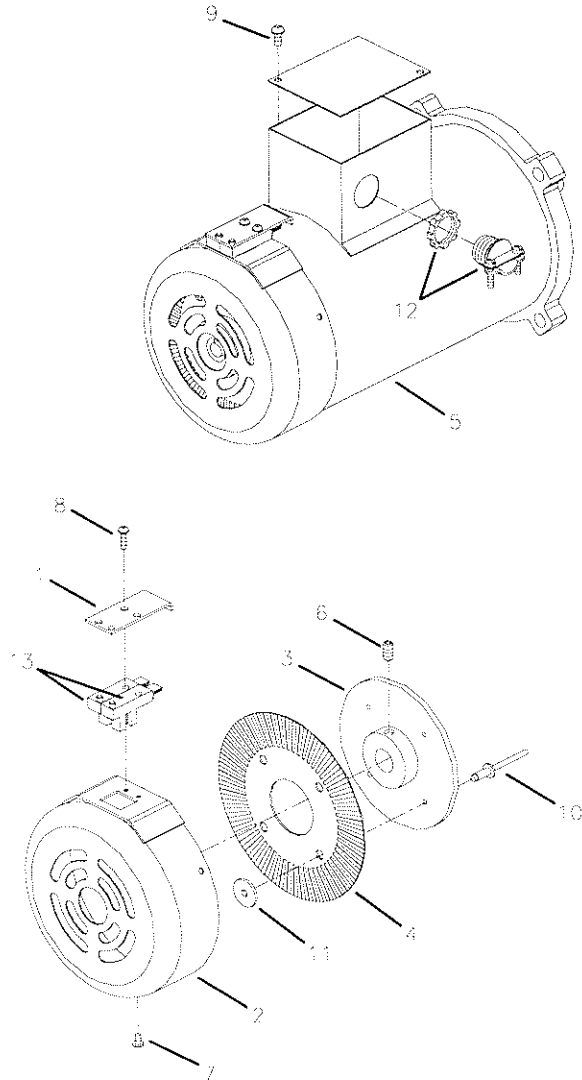


DC Motor Assemblies

311-1000-00 Drawer Motor Assembly

INDEX	PART NUMBER	DESCRIPTION
1	302-2200-00	CONNECTION RETAINER
2	302-2210-00	MOTOR COVER
3	302-2220-00	ENCODER PLATE
4	303-2200-00	MOTOR ENCODER
5	311-1000-00	DRAWER MOTOR ASSEMBLY, 180VDC 1/2HP
6	7014-002520-050	HEXAGON SOCKET SET SCREW, 1/4"-20 X 1/2"
7	7016-410440-037	ROUND SOCKET HEAD MACHINE SCREW, #4-40 X 3/8"
8	7016-410632-050	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 1/2"
9	7016-410832-037	ROUND SOCKET HEAD MACHINE SCREW, #8-32 X 3/8"
10	7108-401800-050	DOME HEAD ALUMINUM POP RIVET, 3/16" X 1/2"
11	7150-019075-009	ALUMINUM FLAT WASHER, 0.193" X 3/4" X 3/32"
12	E-564	BX CONNECTOR, 3/8"
13	E-GP1A05	ENCODER OPTICAL SENSOR

The DC Motors are only available as complete assemblies (311-1000-00 and 311-1100-00) which include the cover and encoder hardware. The cover and encoder hardware may be ordered separately as indicated in the above index.

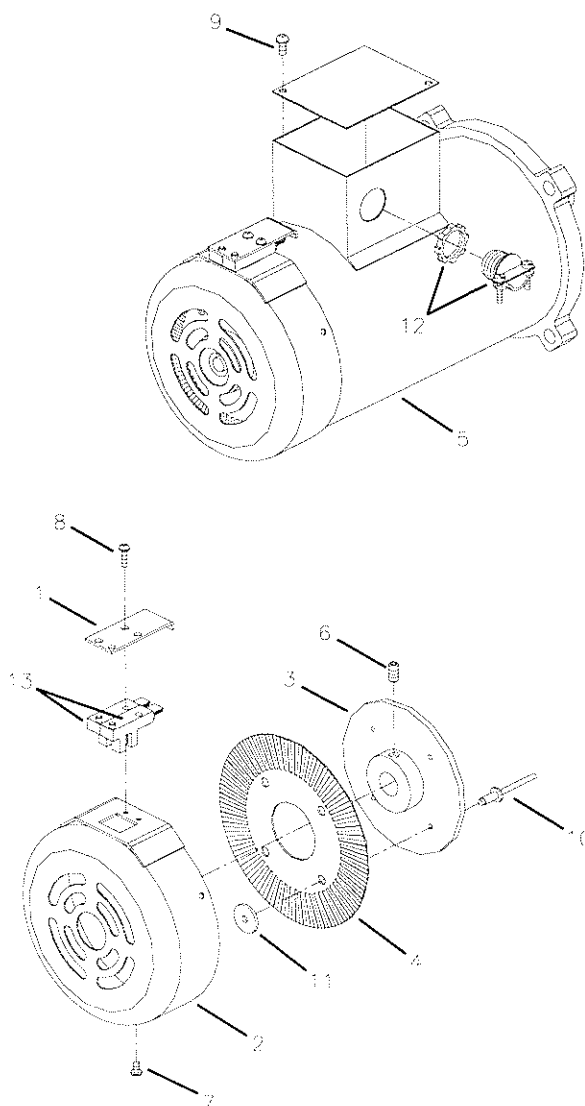


DC Motor Assemblies

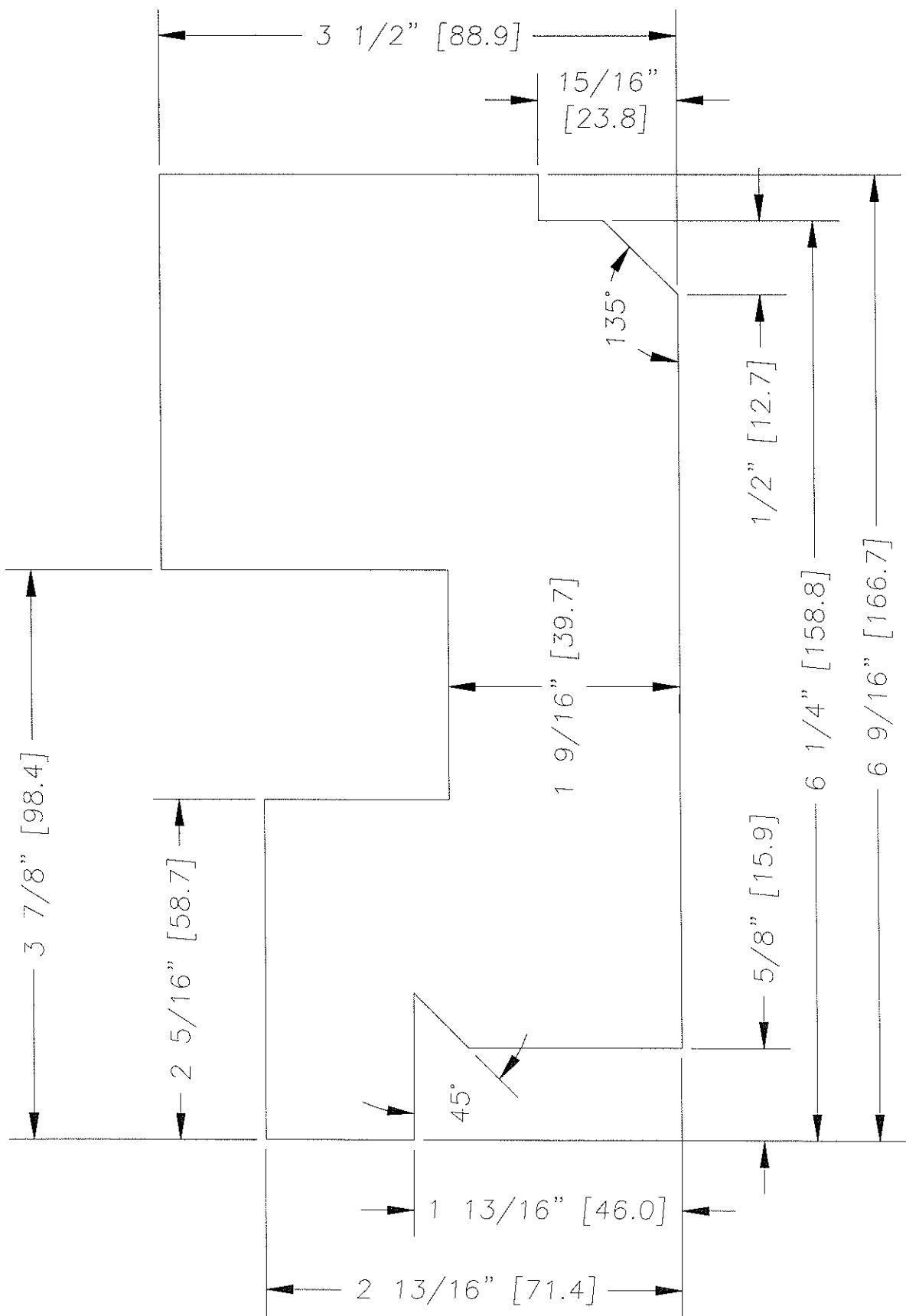
311-1100-00 Deck Motor Assembly

INDEX	PART NUMBER	DESCRIPTION
1	302-2200-00	CONNECTION RETAINER
2	302-2210-00	MOTOR COVER
3	302-2220-00	ENCODER PLATE
4	303-2200-00	MOTOR ENCODER
5	311-1100-00	DECK MOTOR ASSEMBLY, 180VDC 3/4HP
6	7014-002520-050	HEXAGON SOCKET SET SCREW, 1/4"-20 X 1/2"
7	7016-410440-037	ROUND SOCKET HEAD MACHINE SCREW, #4-40 X 3/8"
8	7016-410632-050	ROUND SOCKET HEAD MACHINE SCREW, #6-32 X 1/2"
9	7016-410832-037	ROUND SOCKET HEAD MACHINE SCREW, #8-32 X 3/8"
10	7108-401800-050	DOME HEAD ALUMINUM POP RIVET, 3/16" X 1/2"
11	7150-019075-009	ALUMINUM FLAT WASHER, 0.193" X 3/4" X 3/32"
12	E-564	BX CONNECTOR, 3/8"
13	E-GP1A05	ENCODER OPTICAL SENSOR

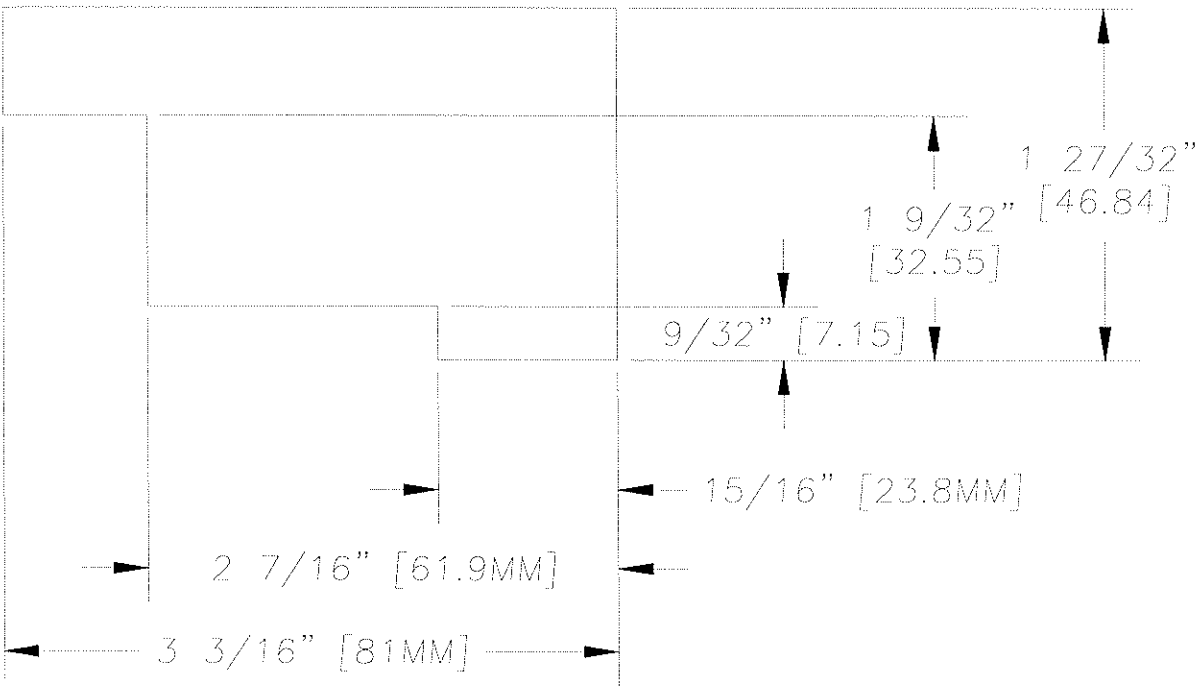
The DC Motors are only available as complete assemblies (311-1000-00 and 311-1100-00) which include the cover and encoder hardware. The cover and encoder hardware may be ordered separately as indicated in the above index.



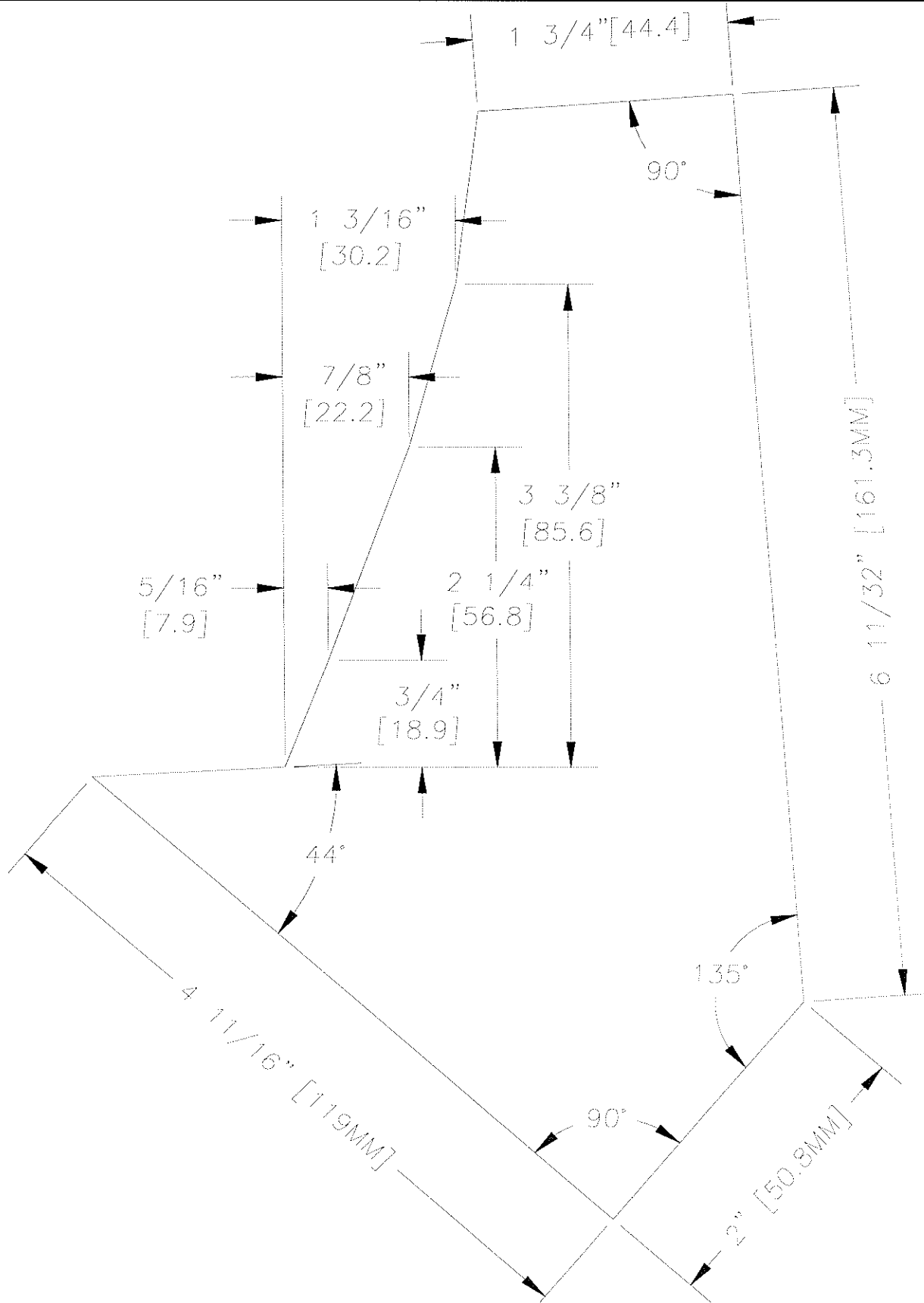
Z-ME5010 Template #10



Z-ME5020 Template #20

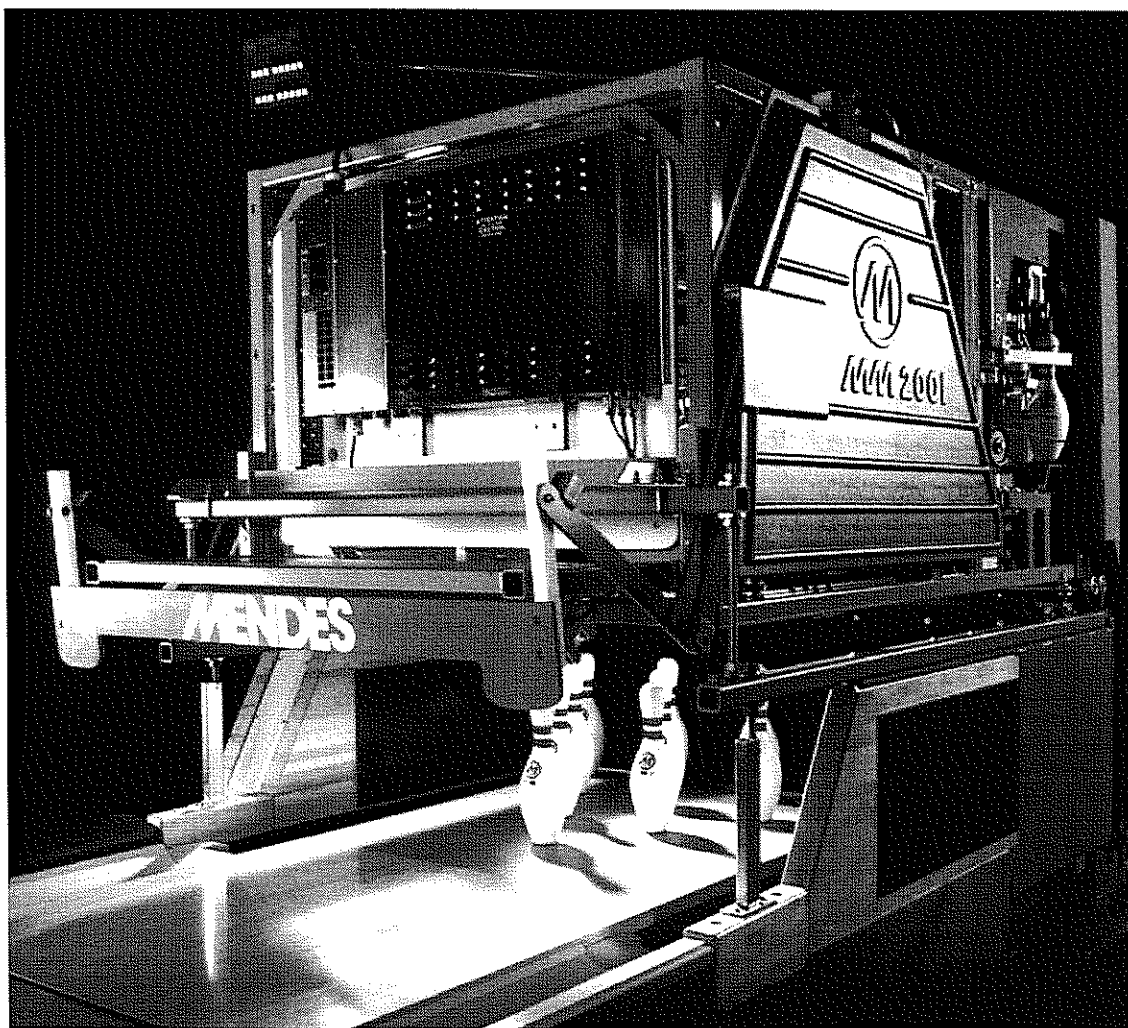


Z-ME5030 Template #30



MM-2001 PINSETTER SERVICE MANUAL

Appendices



The appendices contain the following information:

Conventions used in this manual.

Terminology used in this manual.

Glossary of names and terms used in this manual.

List of publications available from Mendes and its affiliated distributors.

Also contained in these appendices are the following forms:

Certificate of Training to be retained by customer.

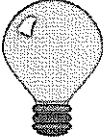
Certificate of Training to be returned to Mendes Inc.

Product Trouble Report needed for merchandise returns.

Parts Order Form needed for merchandise orders placed with Mendes Inc.

Document Conventions

Mendes documentation include consistent visual cues and conventions so that you can easily find and use the information you need.

Convention	Indicates
	Possible negative consequences of performing an action, including loss of data or personal injury.
	Additional information about how the equipment and/or software operates, or an important consideration or instruction.
	A hint or information about using a related function or procedure.



Document Terminology

Before you begin working with the Mendes software, you should know how to choose and cancel commands, move, move within, cancel dialog boxes and specify information to be used by Mendes software. The following table explains the terms you need to know in order to follow software instructions.

Term	Definition
Choose	To pick an item that begins an action. This may be done in two ways, the first is to type the corresponding highlighted number, letter or function key and the second is to select the item and then press Enter on the keyboard.
Deselect	To remove the mark from an item already selected. . This is done through the arrow keys on your keyboard (up, down, left, and right).
Key1+Key2	How to use key combinations. Hold Key1 while you press Key2. For example, CTRL+M.
Key1, Key2	How to use key combinations. Press Key1 followed by Key2. For example, A, Enter.
Select	To mark an item by highlighting it. This is done through the arrow keys on your keyboard (up, down, left, and right).
Specify	To type text or a number followed by Enter on the keyboard.



Glossary

In order to maintain consistency, Mendes documentation uses the same terms from one manual to another. Listed below are definitions for terms used in all Mendes documentation. Abbreviations indicated in parentheses are used in schematic and wiring diagrams.



BNC

bnc connector (BNC): a coaxial cable connector which offers easy engagement and disengagement using bayonet couplings and overlapping dielectrics.

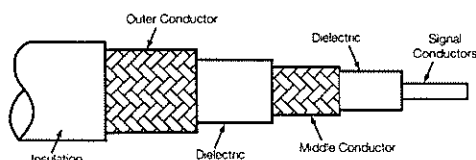
circuit: a. the complete path of an electric current including the source of electric energy b. an assemblage of electronic elements c. a two-way communication path between points in a computer.

circuit breaker (CB): a switch that automatically interrupts an electric circuit under an infrequent abnormal condition.

circular plastic connector (CPC): a five-key polarized wire connector which provides proper plug to socket mating incorporated with a quick thread assisted connect/disconnect capability; usually used with chassis mounted wires, the wiring connectors are enclosed in a plastic or metal shell.



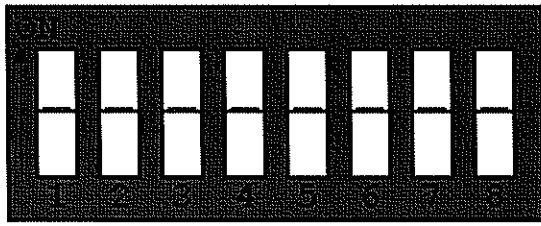
CPC



CX

coaxial cable (CX): a very flexible closed transmission cable which has both the signal and the ground conductors on the same center axis this type of cable is used in practically all applications requiring complete shielding of the center conductor.

deadwood: bowling pins which were knocked down but did not fall into the pit at the rear of the pin area.



DS

dip switch (DS): a switch located on some circuit boards used to determine hardware and/or software options; dip switches are combined together in banks and each bank has its own specific name or number and may be comprised of any number of switches.

EPROM: an Erasable Programmable Read Only Memory device used to store software on a printed circuit board.



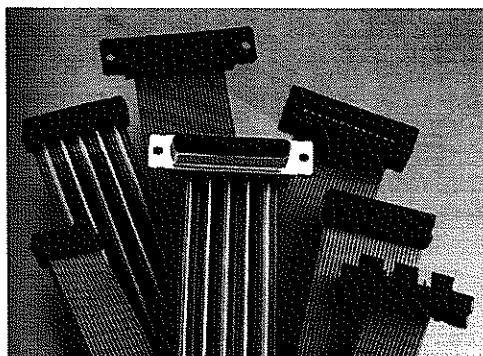
EPROMS

flat cable: a ribbon shaped cable which is used heavily within equipment components to connect one circuit board to another or one sub-system to another; used with latch connectors, they have the ability to terminate up to sixty-four conductors simultaneously.

full set: a pinsetter cycle which spots ten new pins and places the pinsetter in a BALL 1 situation.

glitch: a. a minor malfunction which causes a temporary setback b. a false or spurious electronic signal.

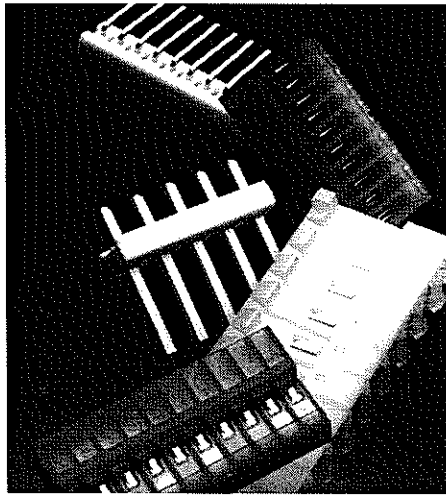
input signal: used by circuit boards to analyze the goings-on of the equipment; input signals originate from different optical sensors, detectors (transmitters, receivers & reflectors) and circuits located at strategic positions.



LATCH

latch connector: used to complete circuit board inter-connections through flat cables; the latch connector technique eliminates the need for stripping the conductors thus making for simple maintenance and repair.

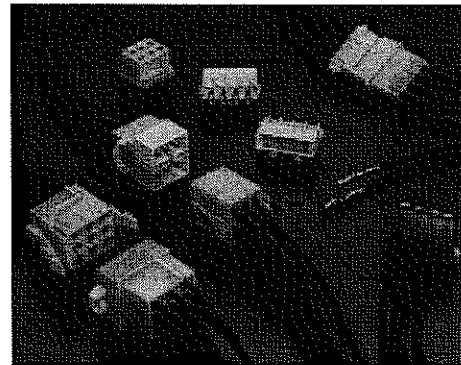
LED: a semiconductor diode that emits light when subjected to an applied voltage and that is used in an electronic display.



MTA

mass termination assembly (MTA): used to complete circuit board inter-connections, they include soldered posts on the circuit board and a corresponding socket connector; the MTA technique eliminates the need for stripping the conductors thus making for simple maintenance and repair; the MTA housings are color coded according to the wire gauge used: orange (18 AWG), yellow (20 AWG), red (22 AWG), natural (24 AWG), blue (26 AWG) and green (28 AWG)

mate-n-lock connector (MNL): a fully polarized wire connector which provides proper plug to socket mating incorporated with a positive locking mechanism to prevent accidental disengagement of mated connectors; usually used with free-hanging wires, the wiring connectors are enclosed in a thermoplastic housing for high but economical electrical performance.



MNL

optical sensor: a movement detection device using infrared light. An optical sensor may be a stand alone device needing an actuator to pass through it in order to cut its signal or it may be comprised of a transmitter sending its beam of light to an aligned reflector needing movement of an object through its path in order to cut its signal. Each time an optical sensor's signal is cut, it returns a signal indicating this information to the circuit board it is connected to.

output signal: used by circuit boards to send on-off commands to different electrical components and circuits.

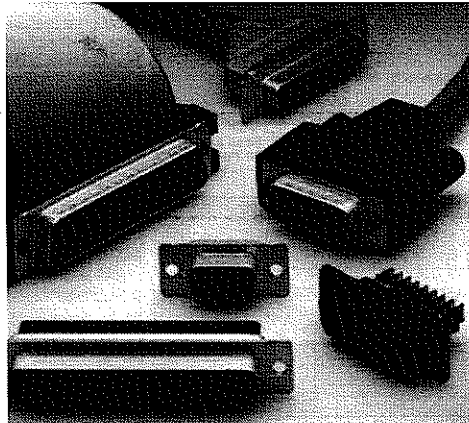
part set: a pinsetter cycle which removes deadwood from the pin deck, re-spots the pins which were left standing and places the pinsetter in a BALL2 situation.

plug: a male fitting for making an electrical connection to a circuit by insertion in a socket of electrical equipment.

reset: **a.** to change the reading of a circuit board to zero by depressing its reset button. This action will clear the circuit board of any glitches **b.** to change the reading of software to its default settings by performing a software procedure.

socket: a mounted female electrical fitting that contains the live parts of the circuit.

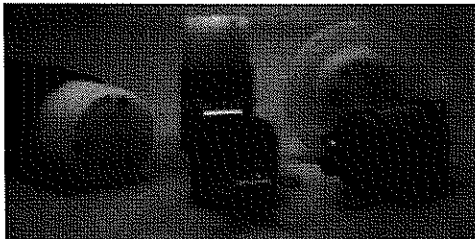
sub-miniature D connector (DB): the main application of sub-miniature D connectors is for input/output signals, connecting the inside electronics of equipment to the outside world; more specifically, sub-miniature D connectors are used for serial communications and owe their name to their D-shape.



DB

switch (SW): a device for making, breaking, or changing the connections in an electrical circuit.

transition: to pass an object through an optical sensor or in front of an optical transmitter in order to cut its signal.

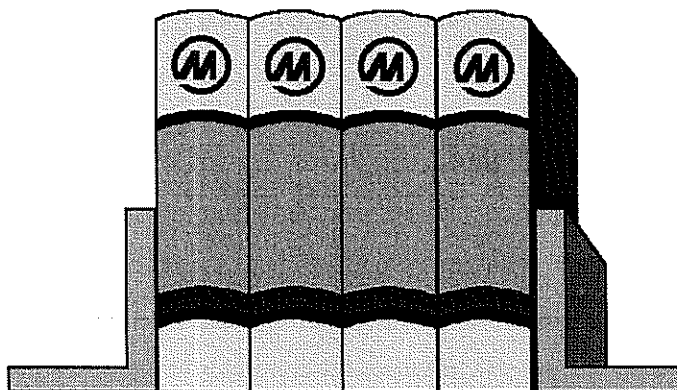


TL

twist lock (TL):



Mendes Publications



Mendes is constantly looking for ways to improve its equipment and relative documentation. The following presents the various publications available for your Mendes equipment along with their last revision date. Contact Mendes Inc. or one of its affiliated distributors for information on these publications and how to obtain them.

Mendes Magnet 2001 Controller Reference Manual (Z-CRM2001)

A practical sized reference handbook to the MM-2001 Pinsetter Service Manual. It is very practical for your mechanical personnel when they have questions about the functions of the Magnet Controller Display Unit.

First published in 1995.

Mendes SB-6400-95 Camera Service Manual (Z-CSM6400-95)

A complete service and reference manual for the Mendes Pin Detection Camera. Containing a description of all functions of the camera, installation procedures complete with explicit diagrams, a detailed troubleshooting section and a listing of all parts available for the SB-6400-95 and its counterparts. (including SB-6400-95M, SB-6400-95-05 and SB-6400-95-10)

First published in 1996.

Mendes Z-ME4200 Bowling Pin Drilling Kit Service Manual (Z-DSM4200)

The how to guide for bowling pins used with the MM-2001 pinsetter. Complete with explicit diagrams and a listing of all parts available for MM-2001 pin repair and maintenance.

First published in 1996.

Mendes MM-2001 Pinsetter Service Manual (Z-PSM2001)

A complete service and reference manual for the Mendes Magnet MM-2001 tenpin bowling pinsetter. Containing a description of all functions of the pinsetter, wiring diagrams and schematics for the pinsetter's electronics, mechanical adjustments complete with explicit diagrams, a detailed troubleshooting section and a listing of all parts available for the MM-2001.

First published in 1995.



Forms

The following pages contain various forms to be used by you, the customer.

The Mendes Certificate of Training

The Certificate of Training is supplied in two (2) copies. The first copy is to be retained by the customer in this manual. The second copy must be returned to Mendes Inc. in order to register your equipment under the Mendes Warranty. Failure to return one of the two copies to Mendes Inc. will void all warranty claims.

The Mendes Product Trouble Report (PTR)

If ever the occasion arises in which you must return a Mendes product for servicing or any other reason, you must include a signed, completed PTR with the returned merchandise. Make sure you photocopy the PTR form before filling it out in order to always have a blank copy on hand.

No merchandise returns are accepted without a Return Material Authorization (RMA) number and this completed form. Contact Mendes or one of its affiliated distributors in order to receive your RMA number.

Any returns under warranty require an RMA number and must also be accompanied by a signed PTR. All returns will be repaired or replaced according to the terms under the specified warranty.

The Mendes Parts Order Form

When ordering replacement parts, you must use the part numbers and descriptions found in the Parts Index at the rear of this manual along with your equipment's serial numbers. Fill out the top grayed areas in **CAPITAL BOLD PRINT** and make copies of the order form for future orders.

Using the enclosed order form will greatly accelerate our processing of your order and reduce errors to a minimum. You may mail or fax your order forms to your local distributor or directly to Mendes Inc., 2425 Watt Street, Parc Colbert, Ste-Foy, Quebec, Canada, G1P 3X2 FAX (418) 650-3341.

Certificate of Training

Retain this copy for your files.

On this day: _____

The
following
personnel:

NAME

SIGNATURE

(1)

(2)

(3)

(4)

(5)

have received staff training in the operation and maintenance of the Mendes _____,
model _____ on behalf of the following company:

IMPORTANT: The above named staff are authorized to carry out the operating / maintenance procedures included in this manual and they are also authorized to instruct others in the utilization and correct cleaning procedures of the equipment. **AT NO TIME MAY THE ABOVE NAMED TRAIN OTHER PERSONNEL IN THE OPERATION / MAINTENANCE PROCEDURES INCLUDED IN THIS MANUAL.** Further staff training and re-training may only be carried out by a representative of Mendes Inc., or their appointed agents.

Training given by:

Signature:

Company Name:

Certificate of Training

Return this copy to Mendes Inc.

On this day: _____

The
following
personnel:

NAME

SIGNATURE

(1)

(2)

(3)

(4)

(5)

have received staff training in the operation and maintenance of the Mendes _____,

model _____ on behalf of the following company:

IMPORTANT: The above named staff are authorized to carry out the operating / maintenance procedures included in this manual and they are also authorized to instruct others in the utilization and correct cleaning procedures of the equipment. **AT NO TIME MAY THE ABOVE NAMED TRAIN OTHER PERSONNEL IN THE OPERATION / MAINTENANCE PROCEDURES INCLUDED IN THIS MANUAL.** Further staff training and re-training may only be carried out by a representative of Mendes Inc., or their appointed agents.

Training given by:

Signature:

Company Name:

Return this page to:

SERVICE SUPERVISOR

c/o

MENDES INC.

2425 WATT STREET

(PARC COLBERT)

SAINTE-FOY (QUEBEC)

CANADA G1P 3X2

Mendes Product Trouble Report

No merchandise returns are accepted without a Return Material Authorization (RMA) number and this completed form.

RMA NUMBER _____

I hereby authorize the repair or replacement of the below specified equipment, along with the labor charges required for the execution of the work and agree to pay MENDES INC. following the conditions established by the said company.

Labor authorized on _____ (date)

by _____
(customer signature)

DISCREPANT PARTS

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Mendes Parts Order Form

NAME & ADDRESS		SHIPPING ADDRESS	

EQUIPMENT SERIAL NUMBERS TO	DATE INSTALLATION WAS COMPLETED

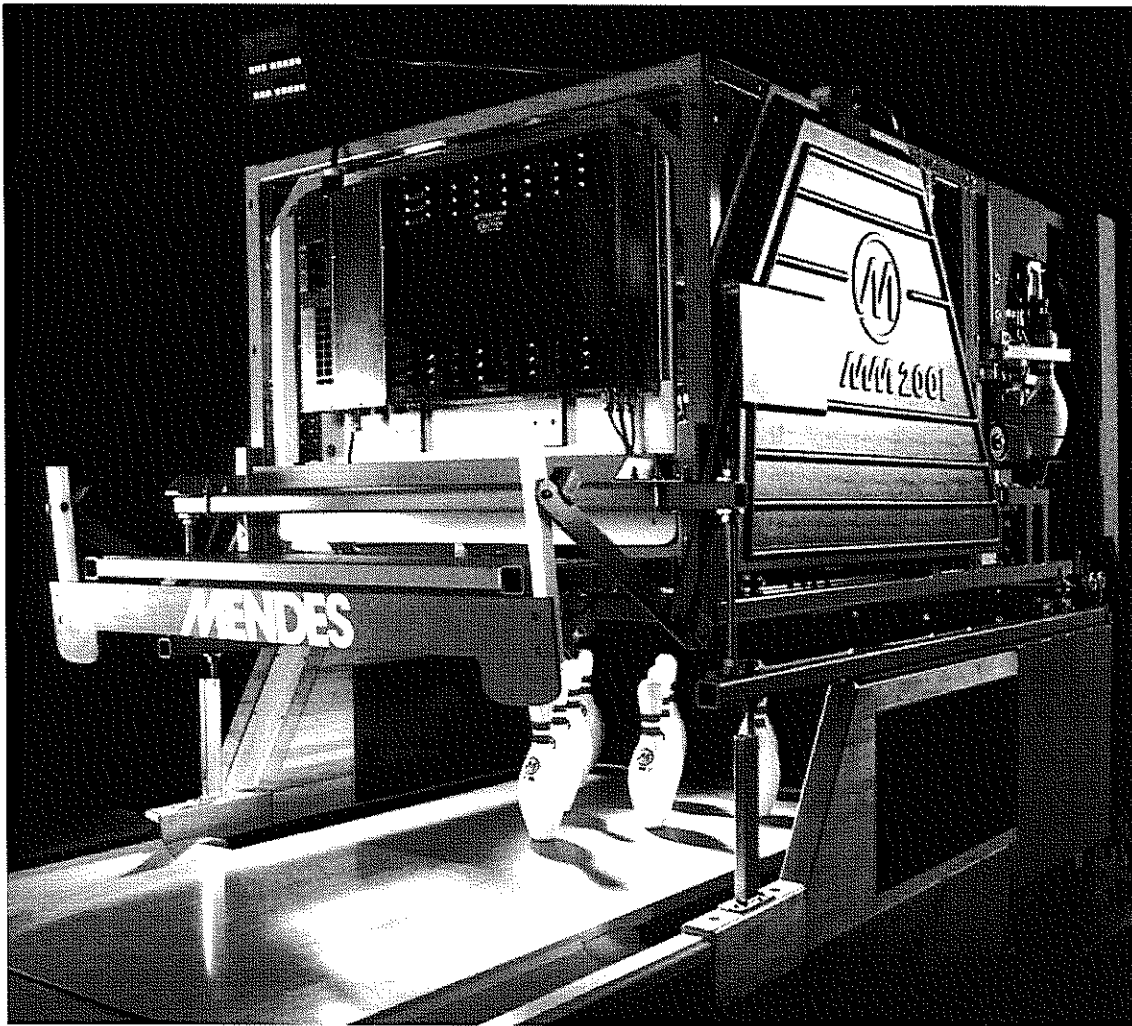
ORDER DATE	P.O. NUMBER	SHIP VIA

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ORDERED BY:	
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MM-2001 PINSETTER SERVICE MANUAL

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