Service Parts Catalog

GS-Series Pinsetter

November 2019 / 47-902712-000

Brunswick®
CUSTOMER SERVICE
A tradition in excellence.

GS-Series Pinsetter Service Parts Catalog

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Reorder Part Number 47-902712-000

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Section A

ELEVATOR

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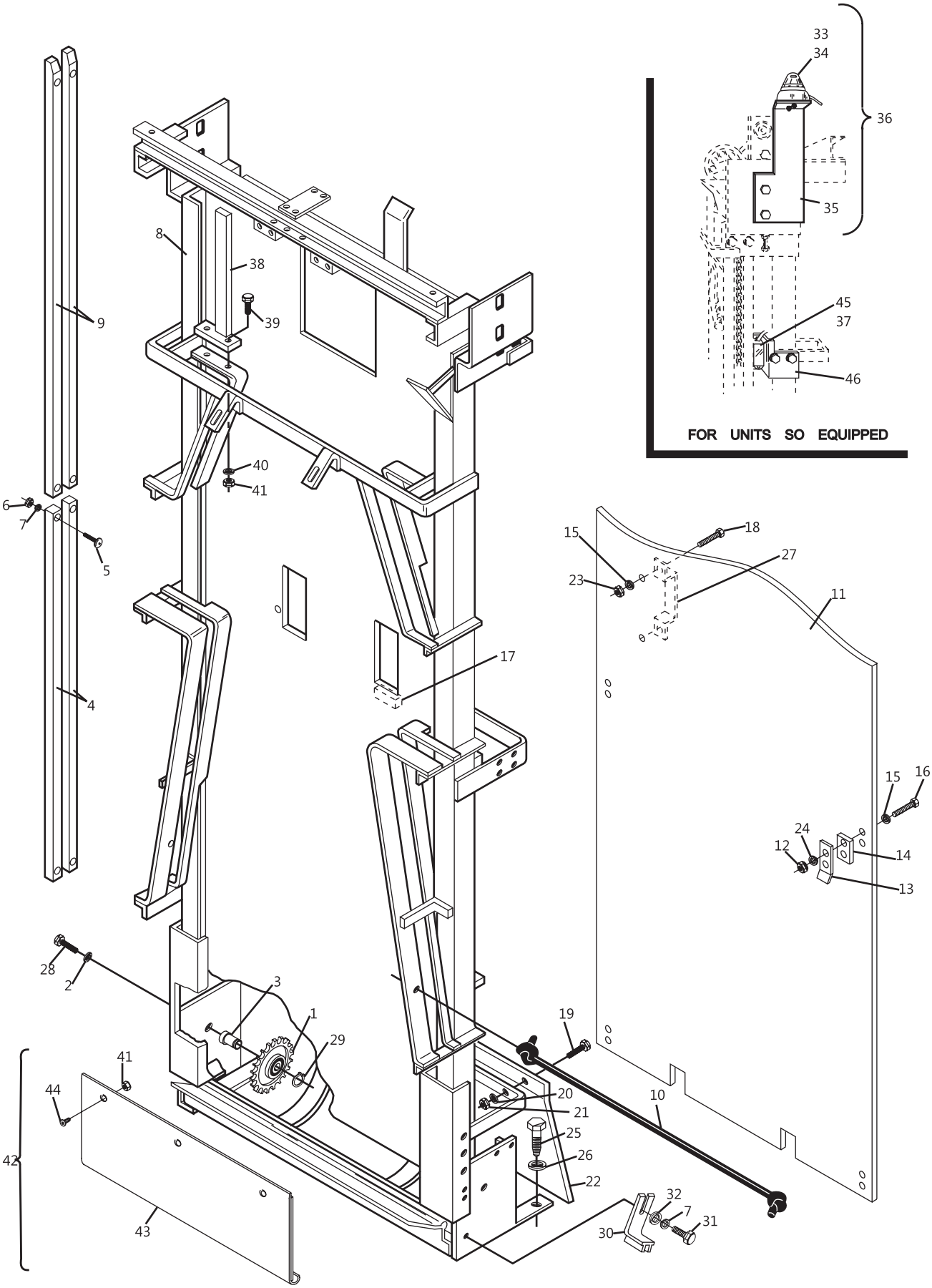
1.	47-011053-004		Deflection Chain Gear w/Bearing Complete
2.	11-051772-001		Lockwasher (12 mm)
3.	47-011130-004		Bearing Bolt
4.	47-011245-003		Lower Chain Guide
5.	11-052601-001		Carriage Bolt (8 mm x 30 mm)
6.	11-051704-001		Hex Nut (8 mm)
7.	11-051770-001		Lockwasher (8 mm)
8.	47-011135-000	N.A.	Elevator Frame w/Felt Backing
9.	47-011276-003		Upper Chain Guide
10.	11-053583-000		Rubber Cord (1.1 m)
11.	47-011775-003		Elevator Guard Complete
12.	11-051742-001		Locknut (5 mm)
13.	47-013651-003	N.A.	Holding Bracket
14.	N.A.		Spacer
15.	11-052054-001	N.A.	Flat Washer (5.3 mm)
	47-861012-001	R.O.	Flat Washer (5.3 mm) (Pkg. of 20)
16.	11-051004-001	N.A.	Hex Hd. Cap Screw (5 mm x 25 mm)
	47-861001-001	R.O.	Hex Hd. Cap Screw (5 mm x 25 mm) Pkg. of 10
17.	47-011134-004	N.A.	Rubber Stop
18.	11-051003-001	N.A.	Hex Hd. Cap Screw (5 mm x 16 mm)
19.	11-051035-001		Hex Hd. Cap Screw (6 mm x 16 mm)
20.	11-051769-001		Lockwasher (6 mm)
21.	11-051702-001		Hex Nut (6 mm)
22.	47-011518-003		Elevator Foot Guard
23.	11-051701-001		Hex Nut (5 mm)
24.	11-051768-001		Lockwasher (5 mm)
25.	11-053302-001		Wood Lag Screw (10 mm x 40 mm)
26.	11-052028-001		Flat Washer (10.5 mm)
27.	47-013636-004	N.A.	Handle
28.	11-051062-001		Hex Hd. Cap Screw (12 mm x 25 mm)
29.	11-051852-001		Retaining Ring (17 mm)
30.	47-021520-004		Transport Band Hold Down Clamp
31.	11-051010-001		Hex Hd. Cap Screw (8 mm x 20 mm)
32.	11-052019-001		Flat Washer (8.4 mm)
33.	*47-223170-000		Bulb Only (12V)
34.	*47-014687-004		Trouble Light Assembly w/o Bracket (12V)
35.	47-012303-004		Trouble Light Bracket
36.	47-013817-004		Trouble Light w/Bracket (12V)
37.	47-243026-004		Switch (silver box, consolidated and nexgen)
38.	47-012149-003		Shovel Alignment Bracket
39.	11-051015-001		Hex Hd. Cap Screw (8 mm x 25 mm)
40.	11-052006-001		Flat Washer (8.4 mm)
41.	N.A.		Locknut (8 mm)
42.	47-014200-004		Elevator Repair Kit
43.	N.A.		Repair Kit Plate
44.	N.A.		Socket Hd. Screw (8 mm x 16 mm)
45.	99-050229-004		Switch (Red Box only)
46.	47-011239-004		Switch Bracket

N.A. = No Longer Available
R.O. = Replacement Option

* Not Illustrated

Elevator Frame Assembly



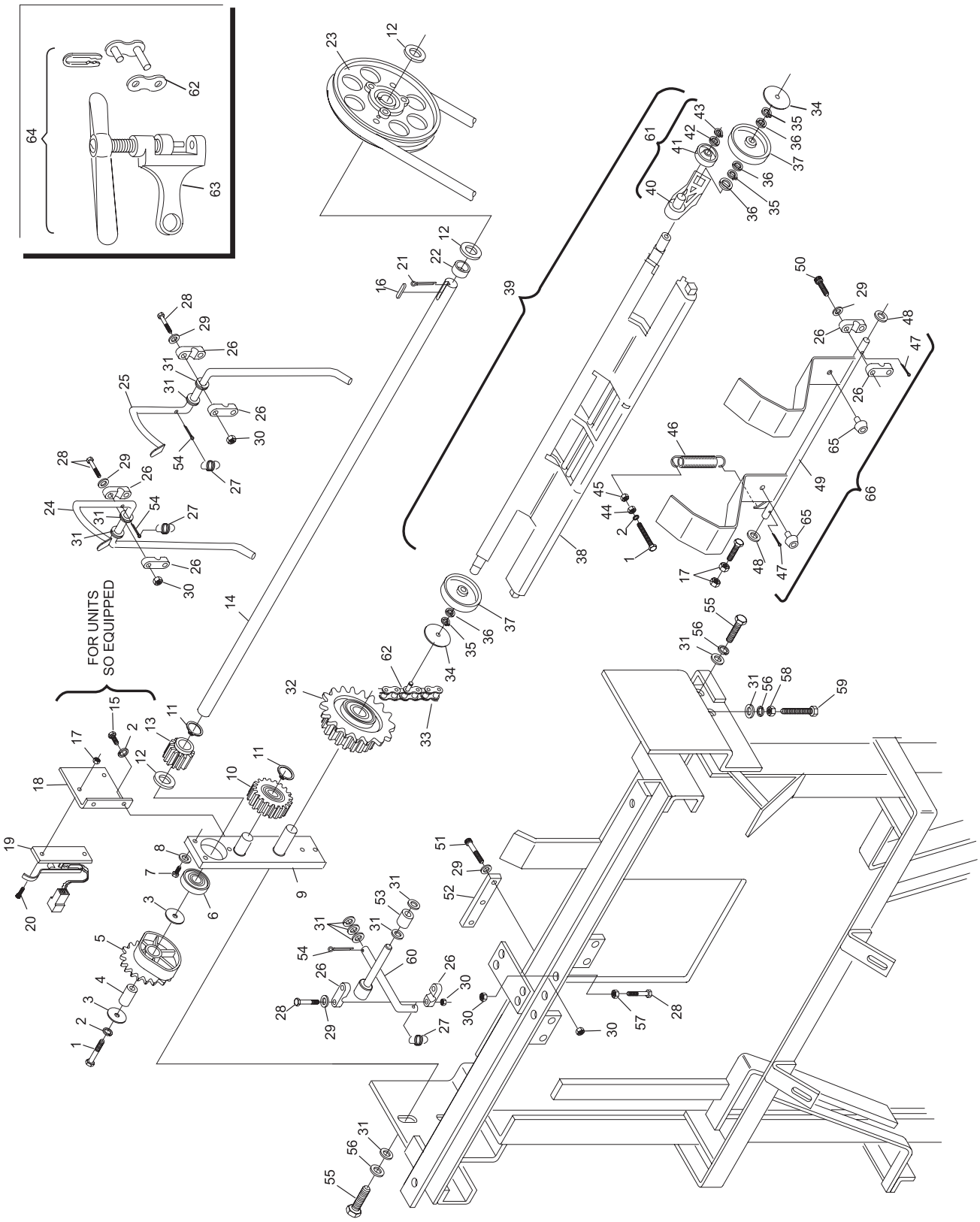
Elevator Frame Assembly

Index No.	Part No.		Description
1.	11-051007-001		Hex Hd. Cap Screw (6 mm x 40 mm)
2.	11-051769-001		Lockwasher (6 mm)
3.	11-052010-001		Flat Washer (6 mm x 25 mm x 1.8 mm)
4.	47-011240-004		Spacer
5.	47-010698-003		Toothed Wheel w/Cam
6.	11-430007-000		Ball Bearing for Bearing Plate (6203ZZ)
7.	11-051001-001		Hex Hd. Cap Screw (6 mm x 12 mm)
8.	11-052022-001		Flat Washer (6.4 mm)
9.	47-011125-003		Bearing Plate Complete
10.	47-011050-004		Carrier Wheel w/Bearing Complete
11.	11-051852-001		Retaining Ring (17 mm)
12.	11-052053-001	N.A.	Flat Washer (17 mm)
	47-861011-001	R.O.	Flat Washer (17 mm) Pkg. of 10
13.	47-011045-004		Drive Gear
14.	47-011127-003		Drive Spindle
15.	11-051008-001		Hex Hd. Cap Screw (6 mm x 10 mm)
16.	11-053501-000		Key (5 mm x 5 mm x 25 mm)
17.	11-051741-001		Locknut (4 mm)
18.	47-011239-004		Switch Mounting Plate
19.	99-050229-004		Switch Complete (Red Box only)
20.	11-052201-001	N.A.	Sltd. Machine Screw (4 mm x 10 mm)
21.	11-054301-001	N.A.	Hitch Pin (3 mm x 62 mm)
	47-861032-001	R.O.	Hitch Pin (3 mm x 62 mm) Pkg. of 10
22.	47-011524-004	N.A.	Spacer
23.	47-012411-003		Grooved Pulley
24.	47-011145-002		R.H. Pin Turn Lever
25.	47-011146-002		L.H. Pin Turn Lever
26.	46-030120-004	N.A.	PVC Bearing
27.	47-011147-004		Tension Spring
28.	11-051002-001		Hex Hd. Cap Screw (5 mm x 30mm)
29.	11-052005-001		Flat Washer (5.3 mm)
30.	11-051742-001		Locknut (5 mm)
31.	11-052003-001		Flat Washer (8.4 mm)
32.	47-011044-003		Chain Gear w/Toothed Wheel and Bearing Complete
33.	47-013788-004		5/8" Chain w/Shovel Pins Complete (4318 mm Long)
34.	47-011241-004		Spacer Washer (40 mm x 5.1 mm)
35.	11-051851-001		Retaining Ring Ext. (12 mm)
36.	11-052001-001	N.A.	Flat Washer (12 mm)
	47-861009-001	R.O.	Flat Washer (12 mm) Pkg. of 20
37.	47-011047-004		Nylon Track Wheel (large)
38.	47-011049-001		Pin Shovel Only
39.	47-013532-000	N.A.	Pin Shovel Complete
	47-013532-009	R.O.	Pin Shovel Assembly
	47-013532-009		Pin Shovel Complete
40.	47-011048-004		Pivoting Lever
41.	N.A.		Nylon Track Wheel (small)
42.	N.A.		Flat Washer (10.5 mm)
43.	N.A.		Retaining Ring (10 mm)
44.	N.A.		Locknut (6 mm)
45.	11-051702-001		Hex Nut (6 mm)
46.	46-050255-004		Spring
47.	11-051795-001		Split Pin (1.6 mm x 16 mm)
48.	11-052006-001		Flat Washer (8.4 mm)
49.	47-011133-003		Ejecting Flap
50.	11-051542-001	N.A.	Socket Hd. Cap Screw (5 mm x 25 mm)
51.	11-051522-001		Socket Hd. Cap Screw (5 mm x 16 mm)
52.	47-010061-004	N.A.	Rubber Plate
53.	47-010059-004	N.A.	Nylon Bumper
54.	11-051793-001		Split Pin (2 mm x 16 mm)
55.	11-051015-001		Hex Hd. Cap Screw (8 mm x 25 mm)
56.	11-051770-001		Lockwasher (8 mm)
57.	11-051701-001		Hex Nut (5 mm)
58.	11-051704-001		Hex Nut (8 mm)
59.	11-051011-001		Hex Hd. Cap Screw (8 mm x 50 mm)
60.	47-010053-003		Cross Lever
61.	47-013533-009		Pivoting Lever Assembly
62.	47-013871-004		Master Link w/Long Pin
	11-600500-000		Standard Master Link
63.	47-013872-004		Chain Break Tool
64.	47-013873-004		Elevator Chain Repair Kit (includes 10 pins)
65.	11-053577-000		Rubber Bumper
66.	*47-273835-009		Ejector Flap Rebuild Kit

N.A. = No Longer Available
R.O. = Replacement Option

* Includes Index Nos. 1, 2, 17, 26, 29, 44, 45, 46, 47, 48 & 50

Elevator Drive/Lift Assembly



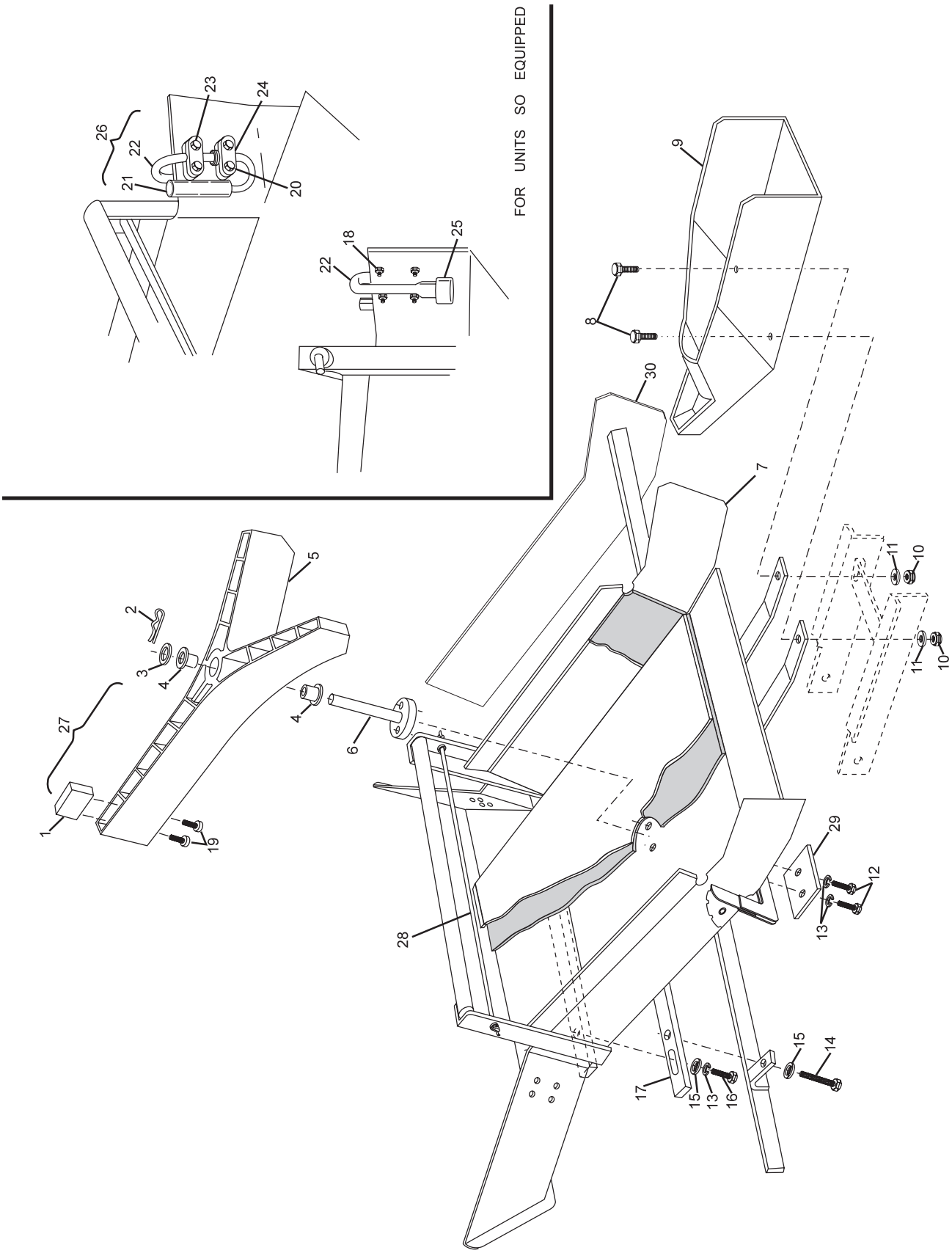
Elevator Drive/Lift Assembly

Index No.	Part No.		Description
1.	47-012272-004	N.A.	Counter Weight
2.	11-054301-001	N.A.	Hitch Pin (3 mm x 60 mm)
	47-861032-001	R.O.	Hitch Pin (3 mm x 60 mm) Pkg. of 10
3.	11-052024-001	N.A.	Flat Washer (14 mm)
	47-861010-001	R.O.	Flat Washer (14 mm) Pkg. of 10
4.	47-012273-004	N.A.	Bushing
5.	47-012215-001	N.A.	"Y" Switch
6.	47-012596-000	N.A.	Flipper Shaft
7.	47-012628-000	N.A.	Dual Feed Pin Chute w/o "Y" Switch & Deflector Shoe (nose block)
8.	11-051015-001		Hex Hd. Cap Screw (8 mm x 25 mm)
9.	47-012263-001		Deflector Shoe
10.	11-051744-001		Locknut (8 mm)
11.	11-052003-001		Flat Washer (8.4 mm)
12.	11-051019-001		Hex Hd. Cap Screw (10 mm x 25 mm)
13.	11-051771-001		Lockwasher (10 mm)
14.	11-051057-001		Hex Hd. Cap Screw (10 mm x 60 mm)
15.	11-052018-001		Flat Washer (10.5 mm)
16.	11-051005-001		Hex Hd. Cap Screw (10 mm x 20 mm)
17.	47-012260-003		Cross Brace
18.	11-051742-001		Locknut (5 mm)
19.	11-051514-001		Socket Hd. Cap Screw (6 mm x 16 mm)
20.	11-051004-001	N.A.	Hex Hd. Cap Screw (5 mm x 25 mm)
	47-861001-001	R.O.	Hex Hd. Cap Screw (5 mm x 25 mm) Pkg. of 10
21.	N.A.		Plastic Tube
22.	*47-013639-003		L.H. Stopper Arm
	47-013640-003		R.H. Stopper Arm (shown)
23.	11-051002-001		Hex Hd. Cap Screw (5 mm x 30 mm)
24.	46-030120-004	N.A.	PVC Bearing
25.	47-013742-004		Plastic Ring
26.	47-013599-004	N.A.	L.H. Flipper Stopper Assembly Complete
	*47-013600-004	R.O.	R.H. Flipper Stopper Assembly Complete
27.	N.A.		"Y" Switch Assembly Complete
28.	11-053583-000		Rubber Cord
29.	47-012255-004		Dual Feed Pin Chute Plate
30.	N.A.	N.A.	R.H. Pin Chute Repair Plate (ten pin side)
	47-012621-000	N.A.	L.H. Pin Chute Repair Plate (seven pin side)

N.A. = No Longer Available
R.O. = Replacement Option

* Not Illustrated

Dual Feed Pin Chute Assembly



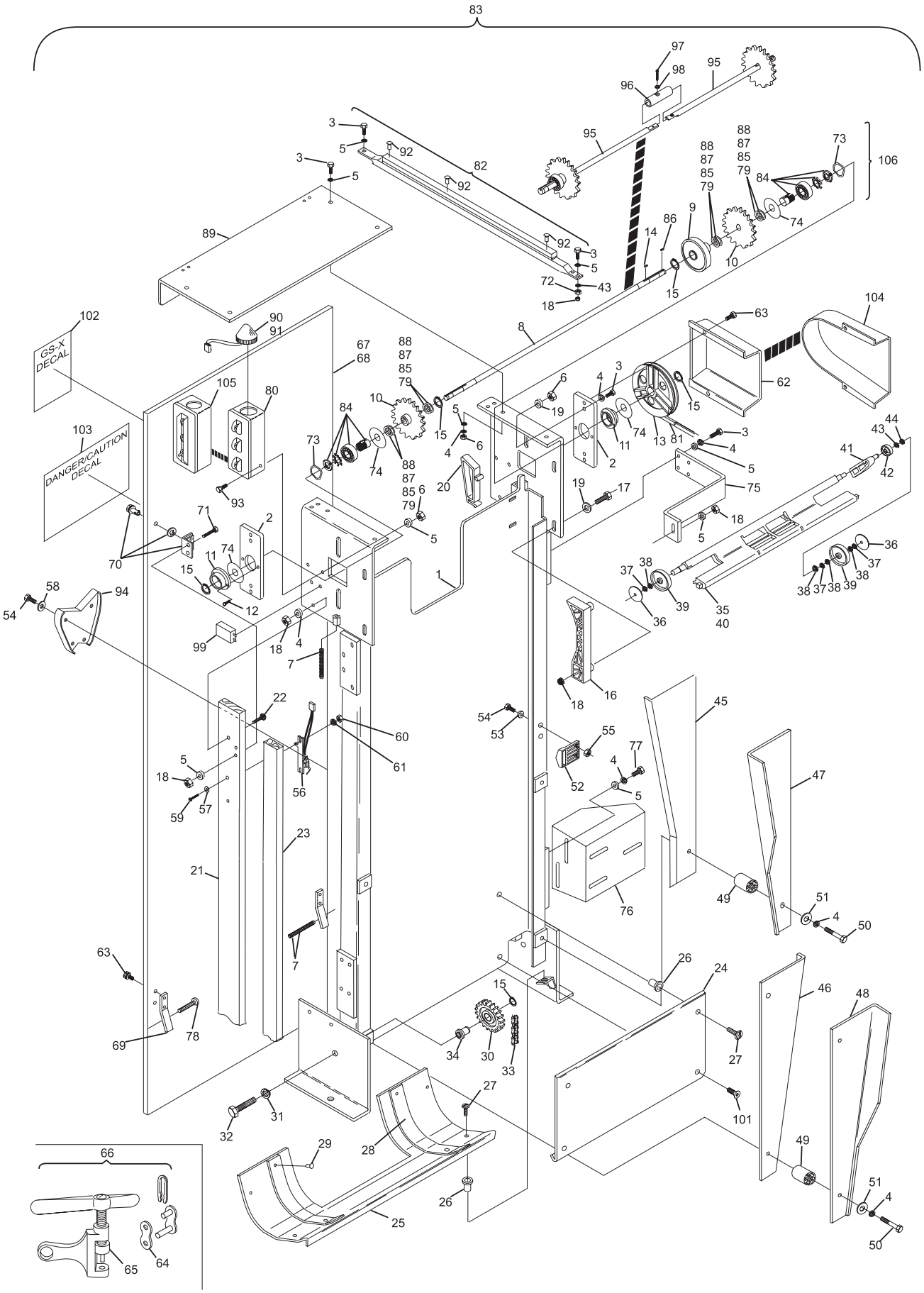
Dual Feed Pin Chute Assembly

Index No.	Part No.		Description
1.	47-013971-001	N.A.	Elevator Frame Complete
2.	47-014016-003		Bearing Plate
3.	11-051010-001		Hex Hd. Machine Screw (8 mm x 20 mm)
4.	11-051770-001		Lockwasher (8 mm)
5.	11-052003-001		Flat Washer (8.4 mm)
6.	11-051704-001		Hex Nut (8 mm)
7.	11-054425-000		Set Screw (8 mm x 80 mm)
8.	N.A.		Drive Shaft
9.	47-014018-003		Shovel Guide Wheel
10.	47-013931-003		Upper Chain Sprocket
11.	47-014329-003		Flange
12.	11-054450-000		Self-Tapping Screw (6 mm x 16 mm)
13.	47-013956-003		V-Belt Pulley
14.	11-053491-000		Key (5 mm x 5 mm x 20 mm)
15.	11-051852-001		Retaining Ring (17 mm)
16.	47-014017-003		Shovel Guide
17.	11-051053-001		Hex Hd. Machine Screw (8 mm x 40 mm)
18.	11-051744-001		Locknut (8 mm)
19.	11-052006-001		Flat Washer (8.4 mm)
20.	47-013951-003		Wedge Guide
21.	47-013954-003		Rear Wooden Chain Guide
22.	11-052615-001		Carriage Bolt (8 mm x 35 mm)
23.	47-013953-003		Front Wooden Chain Guide
24.	47-013913-002		Damper Guide
25.	47-013946-002		Lower Pan Guide
26.	11-135400-000		Well Nut
27.	11-051881-001		Slotted Machine Screw (8 mm x 30 mm)
28.	47-013912-004		Slide Band
29.	11-053678-000		Rivet (8.9 mm)
30.	47-011053-004		Deflection Chain Gear w/Bearing Complete
31.	11-051772-001		Lockwasher (12 mm)
32.	11-051062-001		Hex Hd. Machine Screw (12 mm x 25 mm)
33.	47-014008-003		5/8” Chain w/Shovel Pins Complete (3556 mm long)
34.	47-011130-004		Bearing Bolt
35.	47-013532-009		Pin Shovel Complete
36.	47-011241-004		Spacer Washe (40 mm x 5.1 mm)
37.	11-051851-001		Retaining Ring (12 mm)
38.	11-052001-001	N.A.	Flat Washer (12 mm)
	47-861009-001	R.O.	Flat Washer (12 mm) Pkg. of 20
39.	47-011047-004		Large Nylon Track Wheel
40.	47-011049-001		Pin Shovel Only
41.	47-011048-004		Pivoting Lever
42.	47-011046-004		Small Nylon Track Wheel
43.	11-052018-001		Flat Washer (10.5 mm)
44.	11-051855-001		Retaining Ring (10 mm)
45.	47-013993-001		R.H. Rear Pin Deflector
46.	47-013994-001		L.H. Rear Pin Deflector
47.	47-013991-001		R.H. Front Pin Deflector
48.	47-013992-001		L.H. Front Pin Deflector
49.	47-014009-004		Spacer
50.	11-051075-001		Hex Hd. Machine Screw (8 mm x 70 mm)
51.	11-052031-001		Flat Washer (9 mm)
52.	47-014060-003		Ejector
53.	11-052008-001		Flat Washer (6.4 mm)
54.	11-051018-001		Hex Hd. Machine Screw (6 mm x 20 mm)
55.	11-051743-001		Locknut (6 mm)
56.	47-243027-004		Switch (silver box consolidated and nexgen)
57.	99-050234-004		Switch Plate
58.	11-052037-001		Flat Washer (6.4 mm)
59.	11-052213-001		Slotted Machine Screw (4 mm x 40 mm)
60.	11-051741-001		Locknut (4 mm)
61.	11-052025-001		Flat Washer (4.3 mm)
62.	47-013949-001	N.A.	Pulley Guard (metal)
63.	11-054451-000		Self-Tapping Screw (6 mm x 10 mm)
64.	47-013871-004		Master Link w/Long Pin
	11-600500-000		Standard Master Link
65.	47-013872-004		Chain Tool
66.	47-013873-004		Elevator Chain Repair Kit
67.	47-013983-003	N.A.	Elevator Rear Guard Only
	47-013990-002	R.O.	Elevator Rear Guard Complete
68.	47-013990-002		Elevator Rear Guard Assembly
69.	47-013652-004		Lower Pin Plate
70.	47-013952-004		Camloc Fastener Assembly
71.	11-051026-001		Hex Hd. Machine Screw (8 mm x 40 mm)
72.	11-051703-001		Hex Nut (10 mm)
73.	47-014331-004		Spring Shim Washer
74.	47-014327-004	N.A.	Seal (Washer)
75.	47-014354-003		Elevator Z Bracket w/o Rubber Mount
76.	47-024036-002		Mounting Bracket
77.	11-051038-001		Hex Hd. Machine Screw (8 mm x 16 mm)
78.	11-051883-001		Slotted Truss Hd. Machine Screw (8 mm x 50 mm)
79.	11-052053-001	N.A.	Flat Washer (17 mm)
	47-861011-007	R.O.	Flat Washer (17 mm) Pkg. of 10
80.	47-245422-003		Mechanic’s Remote Box w/Cable (Nexgen Electronics)
81.	11-053905-000		V-Belt (1900 mm)
82.	47-084015-003		Cable Channel Support Assembly
83.	N.A.		Elevator Assembly Complete
84.	11-050150-000		Cone Bearing Assembly
85.	11-054105-001	N.A.	Shim Washer (18 mm x 30 mm x 1.5 mm)
86.	11-053501-000		Key
87.	11-052057-001		Flat Washer (18 mm)
88.	11-054106-001	N.A.	Shim Washer (18 mm)
	47-861031-001	R.O.	Shim Washer (18 mm) Pkg. of 10
89.	47-014770-002		Guard (GS-10/GS-92)
90.	47-014687-004		Trouble Light Assembly w/o Bracket (12V)
91.	*47-223170-000		Bulb Only (12V)
92.	11-053660-000	N.A.	Rivet (3.2 mm x 7.4 mm)
	47-861025-000	R.O.	Rivet (3.2 mm x 7.4 mm) Pkg. of 20
93.	11-054452-000	N.A.	Hex Hd. Machine Screw (5 mm x 10 mm)
94.	47-014761-003		Centering Guides
95.	47-014756-003	N.A.	Split Shaft Assembly
	47-015068-003	R.O.	Split Shaft Assembly Complete
96.	N.A.		Split Shaft Coupler
97.	11-051526-001		Screw (6 mm x 30 mm)
98.	11-051769-001		Lockwasher (6 mm)
99.	47-225160-004	N.A.	Frame Counter
	47-225160-009	R.O.	Frame Counter w/Cable
100.	*47-862803-000	N.A.	Chain Lube (spray can) -
	*G34-205116-000	R.O.	Pinsetter Chain Lube (12 oz. can)
101.	11-052928-001		Flat Hd. Socket Screw (M6 x 10 mm)
102.	47-085081-004		GS-X Label
103.	47-085579-003		Danger/Warning Label
104.	47-014974-003		Pulley Guard GS-96 and Above Plastic
105.	47-243071-004	N.A.	Mechanic’s Remote Box w/ Cable (Consolidated)
	47-243071-000	R.O.	Rear Control Box
106.	47-014766-009		Elevator Shaft Kit (square frame hole, two pieces)
107.	47-0135533-009		Pivoting Lever Assembly

N.A. = No Longer Available
R.O. = Replacement Option

** Not Illustrated*

Elevator Assembly - Square Frame Hole
Short Pit Machines Series 43 and Above



Elevator Assembly - Square Frame Hole
Short Pit Machines Series 43 and Above

Index No.	Part No.		Description
1.	11-051010-001		Hex Hd. Machine Screw (8 mm x 20 mm)
2.	11-052003-001		Flat Washer (8.4 mm)
3.	47-014770-002		Guard
4.	11-051741-001		Nut (4 mm, GS-92)
	11-051744-001		Nut (8 mm, GS-96)
5.	11-055025-001	N.A.	Screw (4 mm x 16 mm) - GS-92
	11-051038-001		Screw (8 mm x 16 mm) - GS-96
6.	47-014267-003	N.A.	Mounting Angle
7.	N.A.		Mounting Plate
8.	11-051770-001		Lockwasher (8 mm)
9.	47-013953-003		Front Wooden Chain Guide
10.	11-052221-001	N.A.	Slotted Machine Screw (3 mm x 40 mm)
11.	11-051704-001		Nut (8 mm)
12.	47-014917-009		Micro Switch Complete w/Mounting Plate and Guard (Consolidated and Nexgen)
	47-014918-003		Micro Switch Only - GS-98
13.	N.A.		Guard Plate
14.	11-051746-001		Nut (3 mm)
15.	11-051743-001		Hex Locknut (6 mm)
16.	47-014761-003		Centering Guide (upper)
17.	11-051018-001		Hex Hd Machine Screw (6 mm x 20 mm)
18.	11-051769-001		Lockwasher (6 mm)
19.	47-014758-001	N.A.	Elevator Frame Complete - GS-92
	47-014254-000	S.O.	Elevator Frame Complete - GS-96
20.	11-051038-001		Screw (8 mm x 16 mm)
21.	N.A.		Shaft
22.	47-013949-001	N.A.	Metal Pulley Guard - GS-92
	47-014974-003	R.O.	Plastic - Pully Guard
23.	47-014974-003		Plastic Pulley Guard - GS-96 & above
24.	11-051010-001		Hex Hd Machine Screw (8 mm x 20 mm) - GS-92
	11-051015-001		Hex Hd Machine Screw (8 mm x 25 mm) - GS-96
25.	47-014238-003		Cross Bar
26.	11-053905-000		V-Belt (1900 mm)
27.	47-014752-003		Flange
28.	47-014751-003	N.A.	Bearing Plate
	47-015098-003		Plastic Bearing Flange
29.	47-014800-004		Rubber Bumper
30.	47-014239-004		Support Bar
31.	11-054450-000		Self-Tapping Screw (6 mm x 16 mm)
32.	47-014765-002		Pulley w/o Clamp
33.	47-014255-004		Shock Pad
34.	*N.A.		Damper Plate
35.	11-135400-000		Well Nut (8 mm)
36.	47-093874-004		Clamp Only
37.	11-051035-001		Hex Hd. Cap Screw (6 mm x 16 mm)
38.	**47-015068-003		Shaft Assembly Complete (GS-96 and above)
39.	11-051881-001		Truss Hd. Mach. Screw (8 mm x 30 mm)
40.	11-052037-001		Flat Washer (6.4 mm)
41.	47-245422-003		Mechanic's Remote Box w/ Cable (Nexgen Electronics)
42.	11-054452-000	N.A.	Hex Hd. Machine Screw (5 mm x 10 mm)
43.	47-014687-004		Trouble Light Assembly (12V)
	47-015646-004		Trouble Light Assembly - Nexgen (24V)
44.	47-223170-000		Bulb Only - Consolidated and Silver Box Electronics (12V)
	47-223091-000	N.A.	Bulb Only - Nexgen (24V)
	47-861047-000	R.O.	Bulb Only (Pkg. of 2 LEDs) - (Nexgen Electronics only)
45.	11-430050-000		Bearing
46.	47-014252-004		Shovel Guide Wheel
47.	47-014924-003		Gear (Plastic)
48.	47-015643-001	S.O.	Elevator (Complete)
49.	47-013954-003	N.A.	Rear Wooden Chain Guide
50.	11-053508-000		Key (6 mm x 6 mm x 20 mm)
51.	47-014354-003		Elevator Z-Bracket w/o Rubber Mount
52.	11-051744-001		Nut (8 mm)
53.	47-243071-004	N.A.	Mechanic's Remote Box w/ Cable (Consolidated)
	47-243071-000	R.O.	Rear Control Box
54.	47-860016-000		Pin Count Switch Arm
55.	11-052928-001		Flat CTS. Head Screw (6 mm x 10 mm)
56.	11-051853-000		Retaing Ring
57.	11-051506-001	N.A.	Hex Skirt Head Cap Screw (M4 x 12 mm)

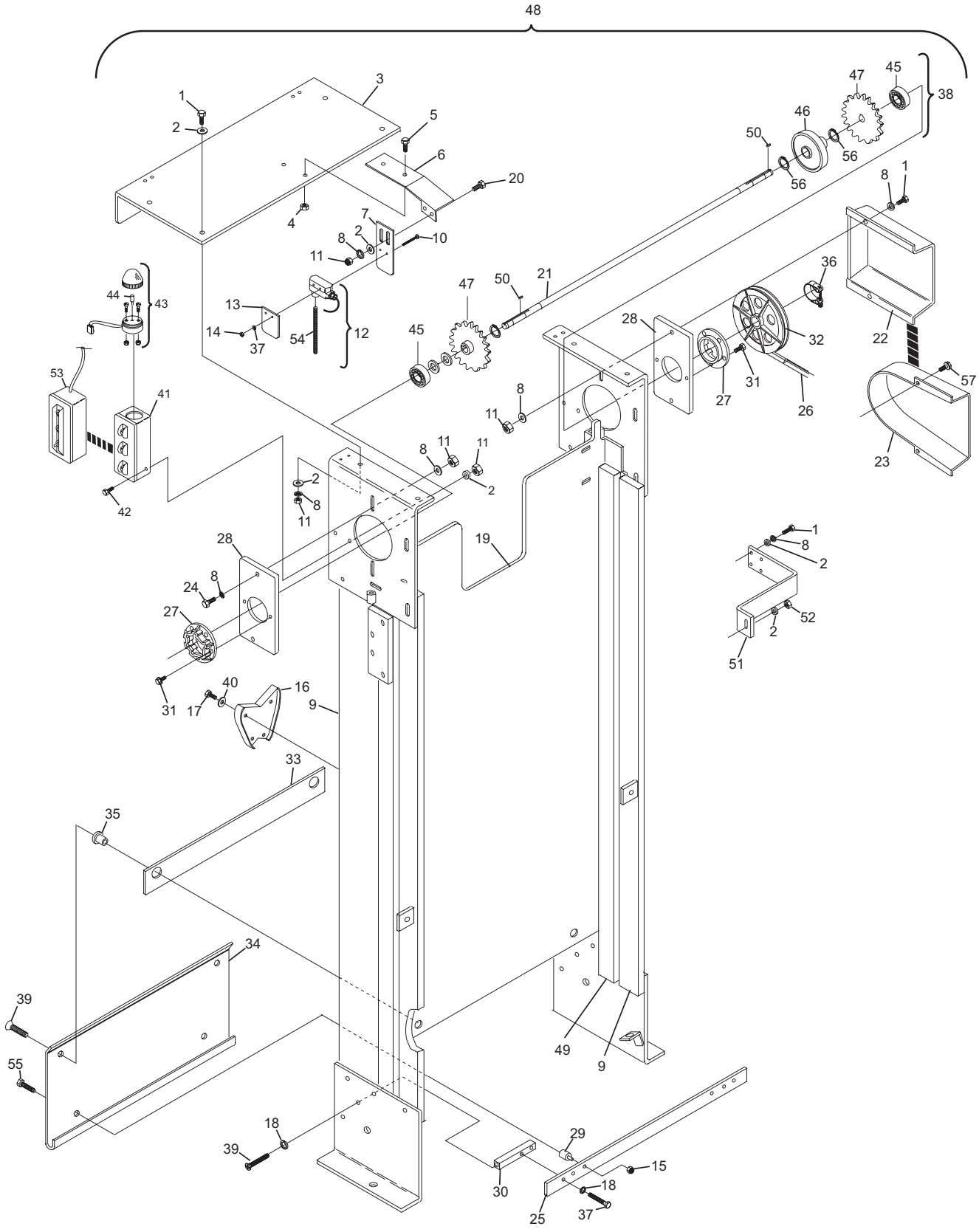
N.A. = No Longer Available
R.O. = Replacement Option
S.O. = Special Order

* To order entire Damper Plate kit, order 47-014696-009 (includes index nos. 1, 2, 18, 25, 29, 30, 33, 34, 35, 37, 39, and 40).

** Also order Plastic Bearing Flange (47-015098-003) and 2 each Wave Springs, 47-014331-004.

*** Not Illustrated

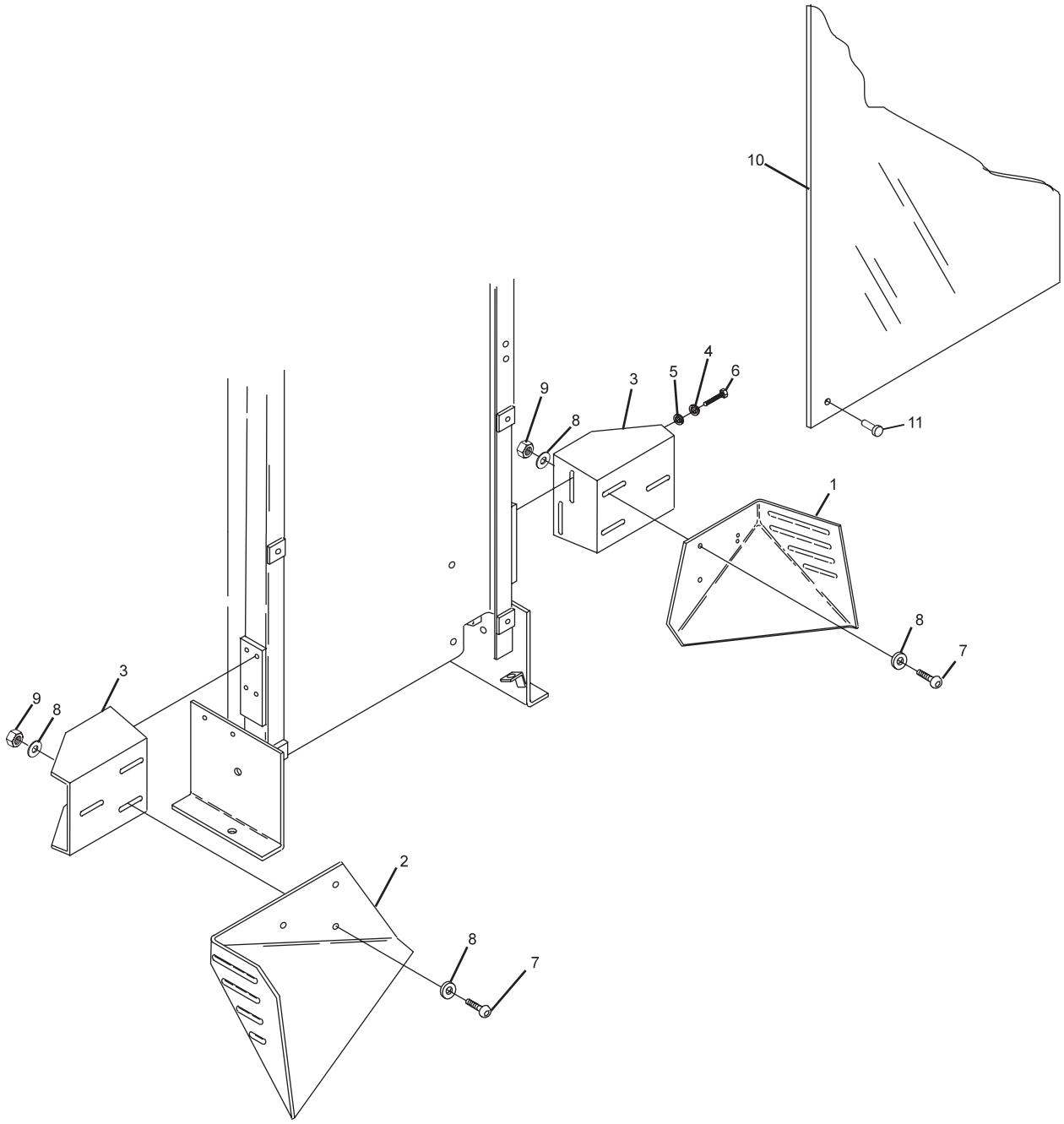
Elevator Assembly - Round Frame Hole
Short Pit Machines Series 43 and Above



Elevator Assembly - Round Frame Hole
Short Pit Machines Series 43 and Above

Index No.	Part No.		Description
1.	47-023986-001		R.H. Pin Deflector Board
2.	47-023987-001		L.H. Pin Deflector Board
3.	47-024036-002		Mounting Bracket
4.	11-051770-001		Lockwasher (8 mm)
5.	11-052003-001		Flat Washer (8.4 mm)
6.	11-051038-001		Hex Hd. Machine Screw (8 mm x 16 mm)
7.	11-054801-001		Hex Hd. Socket Button Hd. Machine Screw (8mm x 20mm)
8.	11-052019-001		Flat Washer (8.4 mm)
9.	11-051744-001		Locknut (8 mm)
10.	47-023923-003	N.A.	Lexan Division Barrier
11.	47-013952-004		Camloc Fastener Assembly

N.A. = No Longer Available

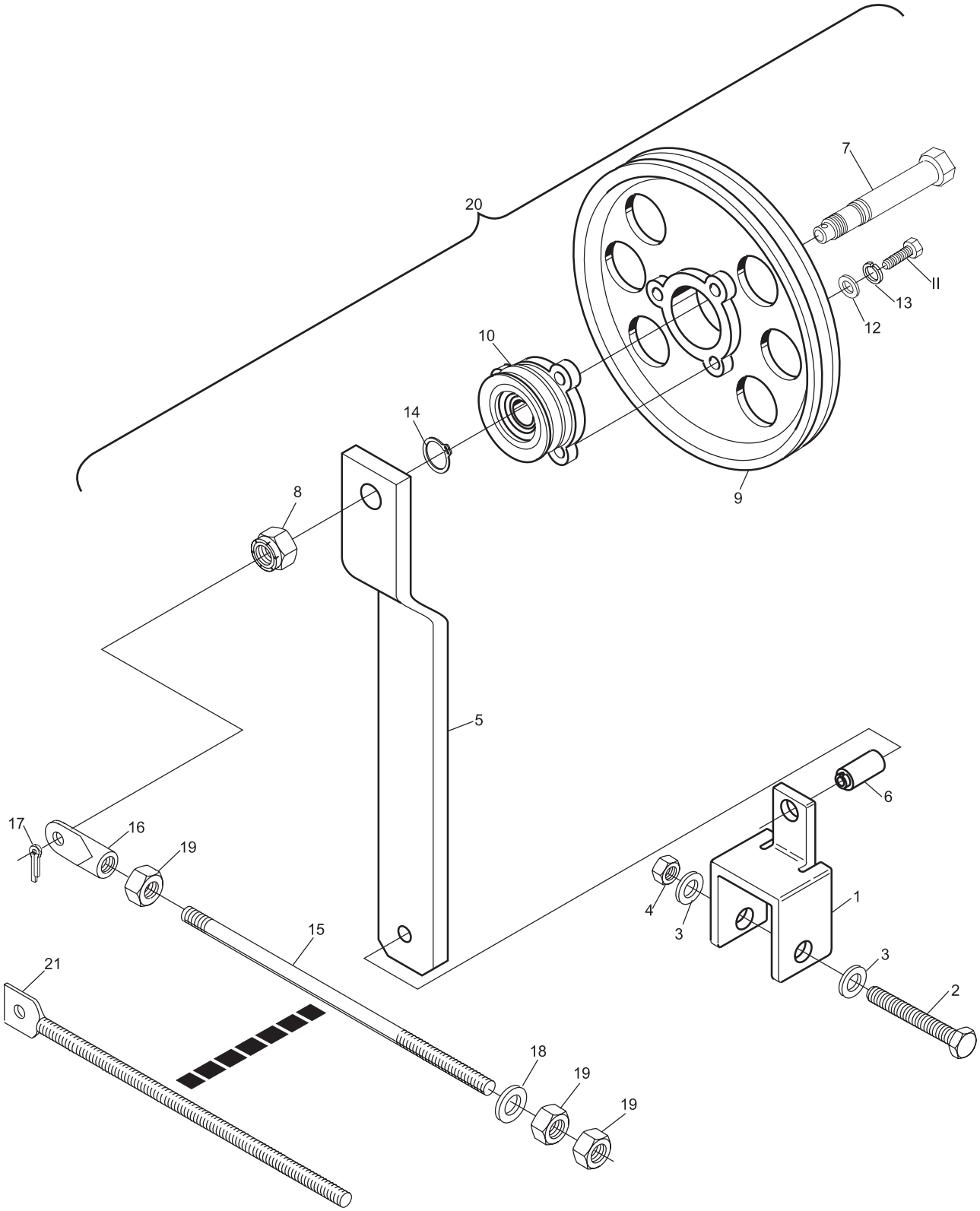


Pin Deflector Boards
Short Pit Machines Series 43 and Above

Index No.	Part No.		Description
1.	N.A.		Support Bracket (order index # 20)
2.	11-051064-001		Hex Hd. Machine Screw (8 mm x 65 mm)
3.	11-052006-001		Flat Washer (8.4 mm)
4.	11-051744-001		Locknut (8 mm)
5.	47-014058-003	N.A.	Lever
6.	11-052691-001		Rolled Pin (10 mm x 26 mm)
7.	47-014059-004		Bearing Bolt
8.	11-051745-001		Locknut (10 mm)
9.	47-022410-003		Round Belt Pulley
10.	47-014054-003		V-Belt Adaptor Pulley
11.	11-051028-001		Hex Hd. Machine Screw (6 mm x 25 mm)
12.	11-052008-001		Flat Washer (6.4 mm)
13.	11-051769-001		Lockwasher (6 mm)
14.	11-051852-001		Retaining Ring (17 mm)
15.	47-013930-004		Threaded Rod (older version)
16.	47-013916-004		Rod End Adaptor
17.	11-051793-001		Cotter Pin (2 mm x 16 mm)
18.	11-052028-001		Flat Washer (10.5 mm)
19.	11-051703-001		Hex Nut (10 mm)
20.	47-014053-001		Elevator Belt Tensioner Assembly
21.	47-014718-004	S.O.	Threaded Rod (newer version)

N.A. = No Longer Available
S.O. = Special Order

Elevator Belt Tensioner Assembly
Short Pit Machines Series 43 and Above



Elevator Belt Tensioner Assembly
Short Pit Machines Series 43 and Above

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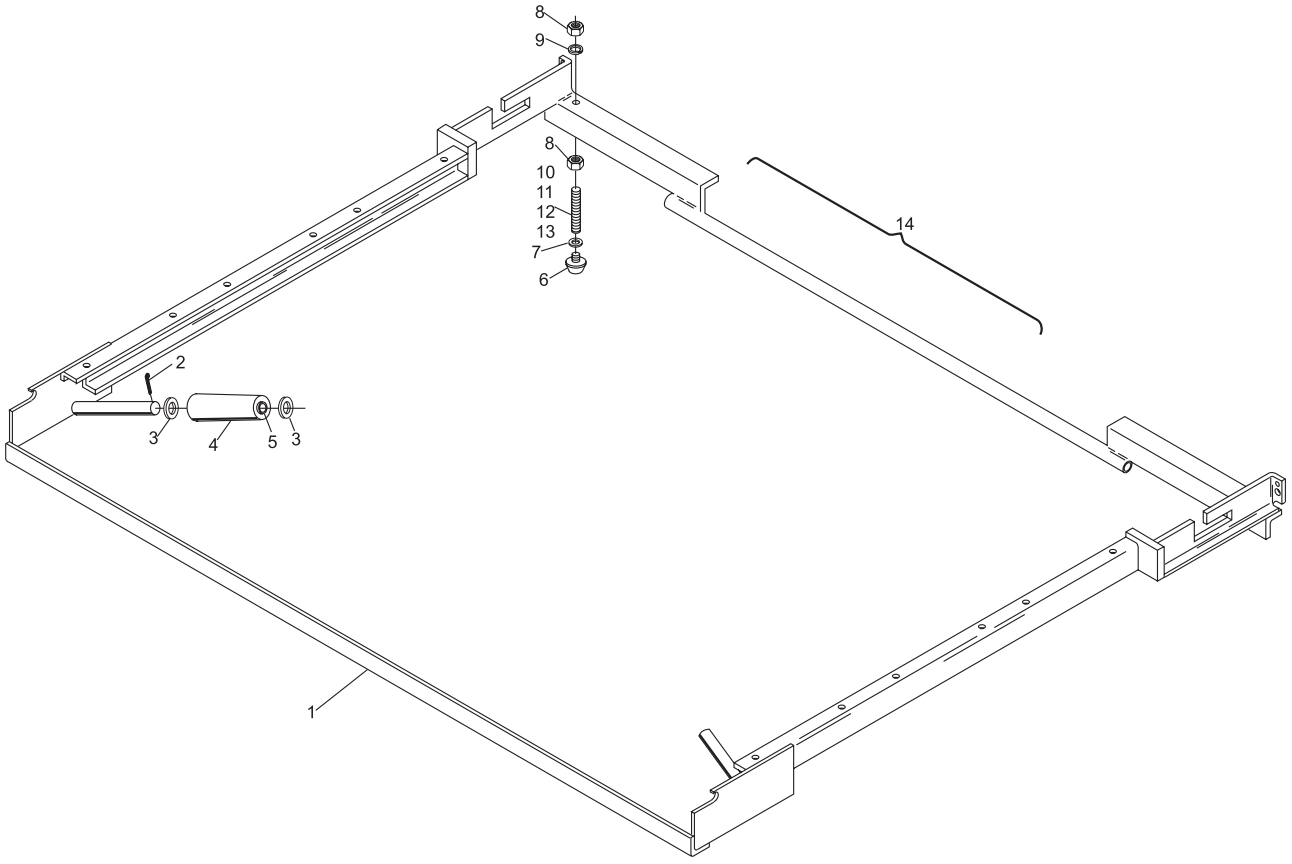
Section B

TRANSPORT BAND

Index No.	Part No.		Description
1.	47-021291-001	N.A.	Frame
2.	11-051786-001		Split Pin (2.5 mm x 25 mm)
3.	11-052036-001		Flat Washer (15 mm)
4.	47-020942-003		Roller
5.	47-020943-004		Roller Bushing
6.	11-053577-000		Rubber Bumper (6 mm Thread)
7.	11-052023-001	N.A.	Flat Washer (6.4 mm)
	11-052048-001	R.O.	Flat Washer (6.4 mm)
	11-052048-001		Flat Washer (6.4 mm)
8.	11-051705-001		Hex Nut (14 mm)
9.	11-051773-001	N.A.	Lockwasher (14 mm)
10.	47-020896-004		Leg (70 mm)
11.	47-023671-004	N.A.	Leg (90 mm)
12.	47-023672-004	N.A.	Leg (140 mm)
13.	47-023673-004	N.A.	Leg (160 mm)
14.	N.A.		Transport Band Assembly w/Rollers and Carpet Complete

N.A. = No Longer
R.O. = Replacment Option Available

Transport Band Frame Assembly (Long Pit)

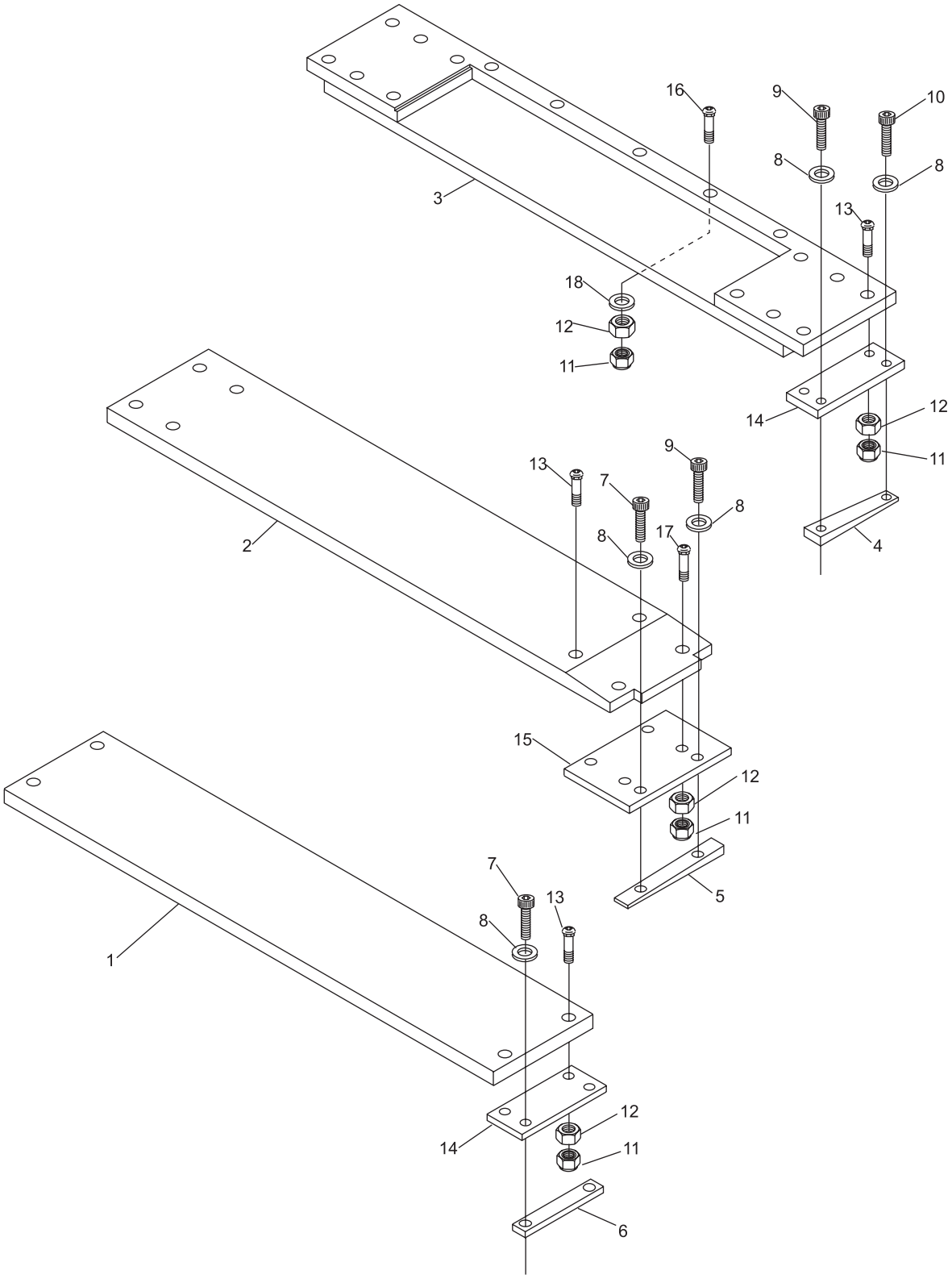


Transport Band Frame Assembly (Long Pit)

Index No.	Part No.		Description
1.	47-862794-000		Front Board Complete
2.	47-862789-000	N.A.	Middle Board Complete
3.	47-862788-000		Rear Board Complete
4.	47-022038-004	N.A.	Rear Spacer Wedge
5.	47-022037-004		Middle Spacer Wedge
6.	47-022036-004		Front Spacer Wedge
7.	11-051541-001		Socket Hd. Cap Screw (8 mm x 30 mm)
8.	11-051770-001		Lockwasher (8 mm)
9.	11-051525-001	N.A.	Socket Hd. Cap Screw (8 mm x 45 mm)
10.	11-051516-001	N.A.	Socket Hd. Cap Screw (8 mm x 35 mm)
11.	11-051744-001		Locknut (8 mm)
12.	11-051704-001		Hex Nut (8 mm)
13.	11-052611-001	N.A.	Carriage Bolt (8 mm x 40 mm)
14.	47-022105-003		Bracket (front)
15.	47-022106-003		Bracket (middle)
16.	N.A.		Carriage Bolt (8 mm x 70 mm)
17.	11-052601-001		Carriage Bolt (8 mm x 30 mm)
18.	11-052006-001		Flat Washer (8.4 mm)

N.A. = No Longer Available

Transport Band Boards (Long Pit)

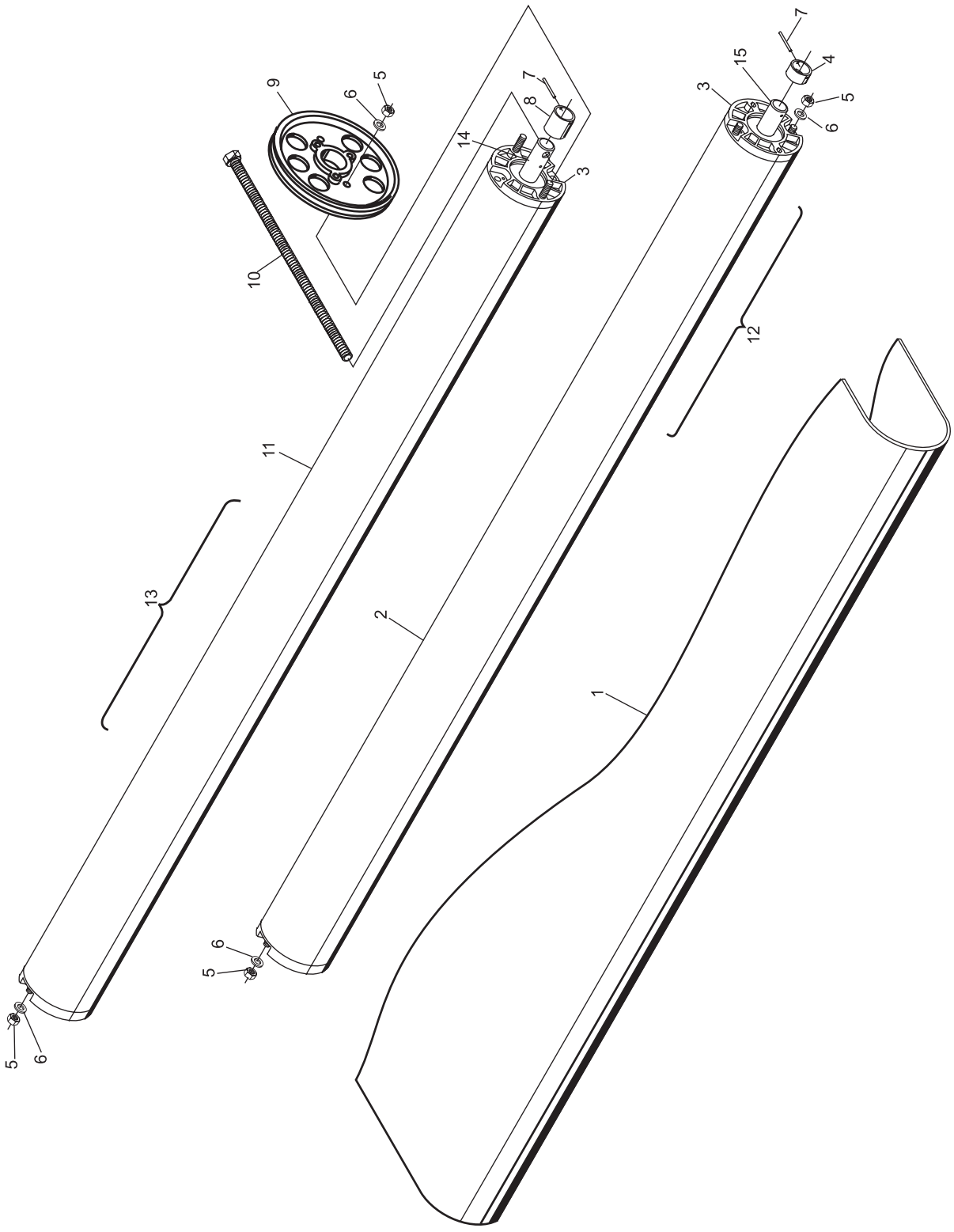


Transport Band Boards (Long Pit)

Index No.	Part No.		Description
1.	11-053581-000		Transport Band Belt (2450 mm x 1440 mm)
2.	N.A.		Roller (front)
3.	47-020908-003		End Cap w/Bearings 2 Stud - Rear Roller only
	47-020908-444	N.A.	End Cap w/Bearings 2 Stud - Front Roller only
4.	47-021351-004		Spacer Bushing
5.	11-051744-001		Locknut (8 mm)
6.	11-052017-001		Flat Washer (8.4 mm)
7.	11-052682-001		Rolled Pin (3 mm x 26 mm)
8.	47-021350-004		Spacer Bushing
9.	47-022412-003		Pulley
10.	47-020915-004		Screw
11.	N.A.		Roller (rear)
12.	47-021441-002		Roller Assembly Complete (front)
13.	47-023669-002	S.O.	Roller Assembly Complete (rear) - long pit
14.	47-021352-004		Shaft (rear Roller)
15.	47-021353-004		Shaft (front Roller)

N.A. = No Longer Available
S.O. = Special Order

Transport Band Belt (Long Pit)

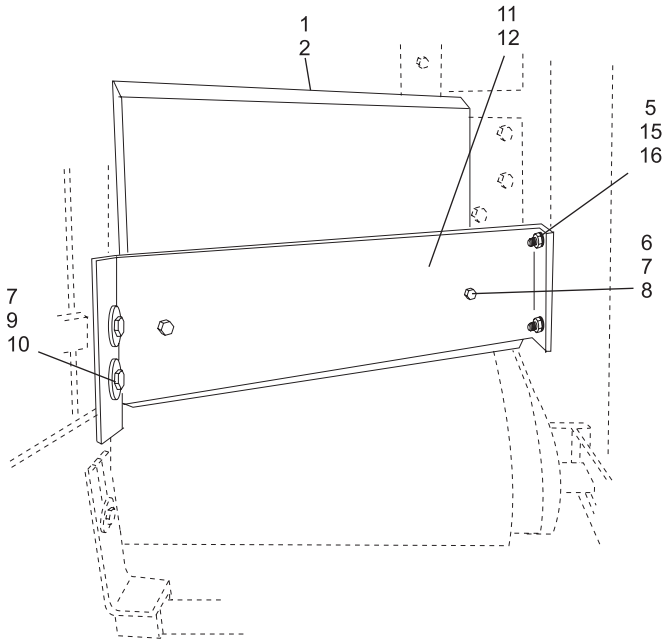


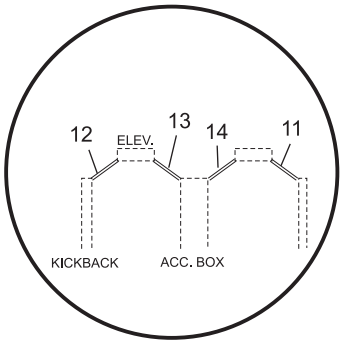
Transport Band Belt (Long Pit)

Index No.	Part No.		Description
1.	47-022291-004	N.A.	R.H. Deflector Board
2.	47-021273-004	N.A.	L.H. Deflector Board
3.	47-022055-003	N.A.	R.H. Deflector Board
4.	47-022434-003	N.A.	L.H. Deflector Board
5.	11-051744-001		Locknut (8 mm)
6.	11-052601-001		Carriage Bolt (8 mm x 30 mm)
7.	11-051770-001		Lockwasher (8 mm)
8.	11-051704-001		Hex Nut (8 mm)
9.	11-051010-001		Hex Hd. Cap Screw (8 mm x 20 mm)
10.	11-052019-001		Flat Washer (8.4 mm)
11.	47-021310-002	N.A.	Deflector Plate (7 pin side)
12.	47-021311-002	N.A.	Deflector Plate (10 pin side)
13.	47-022290-002	N.A.	Deflector Plate (7 pin side)
14.	47-022289-002	N.A.	Deflector Plate (10 pin side)
15.	11-051017-001		Hex Hd. Cap Screw (8 mm x 90 mm)
16.	11-052003-001		Flat Washer (8.4 mm)

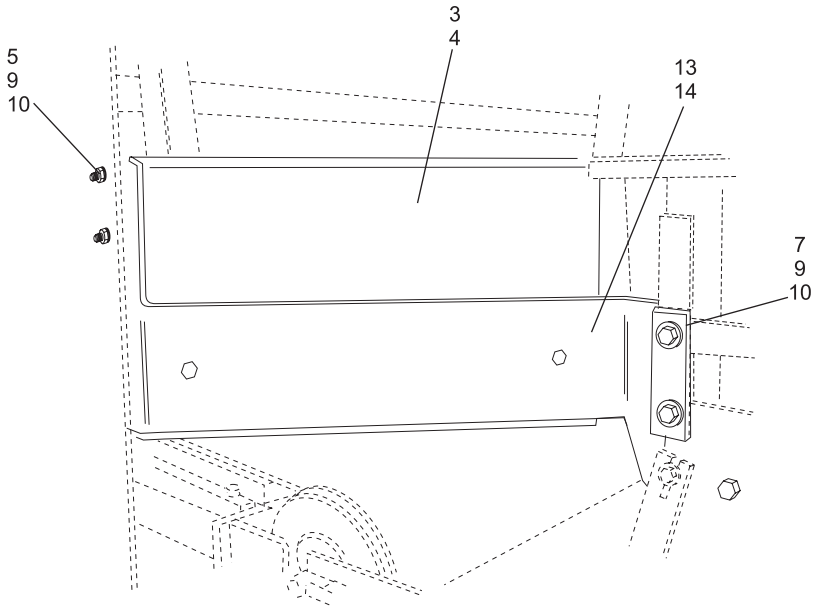
N.A. = No Longer Available

Deflector Boards and Plates (Long Pit)





NOTE: THERE ARE 4 DIFFERENT DEFLECTOR PLATES. SEE ABOVE DRAWING FOR REQUIRED PLATES.



Deflector Boards and Plates (Long Pit)

Index No.	Part No.		Description
1.	47-023922-002	N.A.	R.H. Transport Band Side Frame Complete (8 mm Rubber Wellnut Mount)
	47-024735-002	N.A.	R.H. Transport Band Side Frame Complete (8 mm Welded Nut)
	*47-024735-009	R.O.	R.H. Transport Band Side Frame Complete (10 mm)
2.	47-023923-002	N.A.	L.H. Transport Band Side Frame Complete (8 mm Rubber Wellnut Mount)
	47-024736-002	N.A.	L.H. Transport Band Side Frame Complete (8 mm Welded Nut)
	*47-024736-009	R.O.	L.H. Transport Band Side Frame Complete (10 mm)
3.	47-020942-003		Roller
4.	47-020943-004		Roller Bushing
5.	11-051858-001		Retaining Ring (15 mm)
6.	11-052053-001	N.A.	Flat Washer (17 mm)
	47-861011-001	R.O.	Flat Washer (17 mm) Pkg. of 10
7.	11-051565-009		Socket Hd. Machine Screw (10 mm x 110 mm)
	11-051569-009	R.O.	Socket Hd. Machine Screw (M10 x 120 mm) Pkg. of 10
8.	11-051745-001		Lock Nut (10 mm)
9.	47-026370-009		Spacer Bushing (21 mm) - Qty. of 2 47-276153-009 Side Frame Repair Kit (contains 1 Repair Nut 47-276153-000 and 1 screw 11-052930-000)
10.	11-135400-000		Rubber Well Nut (8 mm, machine series 43 to 76)
11.	11-051045-001		Hex Hd. Machine Screw (10 mm x 30 mm)
12.	47-023981-002		Roller Assembly Complete, (front) 3 Stud End Cap - Replaces 2 Stud End Cap Roller Assembly
13.	47-860013-000		Pkg. O-Rings (Qty. of 4)
14.	47-020908-003		End Cap w/Bearing (2 Stud Front rollers Only)
15.	11-052003-001		Flat Washer (8.4 mm)
16.	11-051744-001		Locknut (8 mm)
17.	47-023933-004		Shaft - Front
18.	47-023982-004	N.A.	Spacer Bushing (13.5 mm)
	47-026371-009	R.O.	Spacer Bushing (13.5 mm) - Qty. of 2
19.	11-052676-001		Roll Pin (3 mm x 30 mm)
20.	11-635201-000		Transport Band Carpet (2020 mm x 1440 mm)
	11-635201-100		Certified Transport Band Belt
21.	47-025051-001		Odd Lane Short Roller Assembly Complete (rear) See index 21, page 13B
22.	47-024905-001		Even Lane Short Roller - Assembly Complete (rear) See index 22, page 13B
23.	47-024094-003		Housing
24.	11-430055-000		Deep Groove Ball Bearing
25.	47-024093-004		Threaded Rod (10 mm x 140 mm)
26.	11-052050-001		Flat Washer (10.5 mm)
27.	47-024309-004		Spring
28.	11-051703-001		Hex Nut (10 mm)
29.	11-051853-001		Retaining Ring (20 mm)
30.	47-023959-003		Front Board Assembly Complete
31.	11-052019-001		Flat Washer (8.4, GS-92)
32.	47-025175-003		L.H. Rear Board Assembly - Complete (odd lane)
	47-025176-003		R.H. Rear Board Assembly - Complete (even lane)
33.	11-053909-000		V Belt (10 mm x 6 mm x 2560 mm) - use with 110 mm pulley 11-053910-000 V-Belt (10 mm x 6 mm x 2650 mm) use with 125 mm pulley
34.	47-024330-004		V-Belt Pulley (110 mm)
	47-025049-004		V-Belt Pulley (125 mm)
35.	47-023915-004		Rubber Spacer
36.	11-051746-001		Locknut (3 mm)
37.	11-052401-001		Sltd. Pan Hd. Machine Screw (8 mm x 50 mm)
38.	11-052402-001	N.A.	Sltd. Pan Hd. Machine Screw (8 mm x 60 mm
	47-861018-001	R.O.	Sltd. Pan Hd. Machine Screw (8 mm x 60 mm, Pkg. of 10
39.	47-023663-004		Rubber Washer (3 mm x 24 mm x 8 mm)
40.	11-052150-001		Finishing Washer (8 mm)
41.	**47-274332-002		Bearing Block Repair Kit
42.	11-051770-001		Lock Washer (8 mm)
43.	11-051743-001		Hex Nut (6 mm)
44.	11-052064-001	N.A.	Flat Washer (15 mm)
45.	47-025178-003		Bearing (3-stud)
46.	11-051902-001		Retaining Ring (52 mm)
47.	11-051561-001		Hex Head Cap Screw (3 mm x 30 mm)
48.	47-276153-009		Side Frame Repair Kit (contains 1 Repair Nut 47-276153-000 and 1 screw 11-052930-000)
49.	11-052930-000	N.A.	Screw - See index 48
50.	47-276153-000	N.A.	Repair Nut - see index 48
51.	47-276153-009		Side Frame Repair Kit (contains 1 Repair Nut 47-276153-000 and 1 screw 11-052930-000)
52.	47-024743-003		Reinforcement Bracket
53.	11-052930-000		Screw Socket Flat Head (M10 x 60 mm)
54.	11-052931-000	N.A.	Screw Scoket Flat Head (M10 x 70 mm)
55.	47-024739-004		Rubber Washer
56.	47-024740-004		Finish Washer
57.	11-052025-001		Flat Washer (10.5 mm x 25 mm x 2 mm)

N.A.= No Longer Available
R.O.= Replacement Option

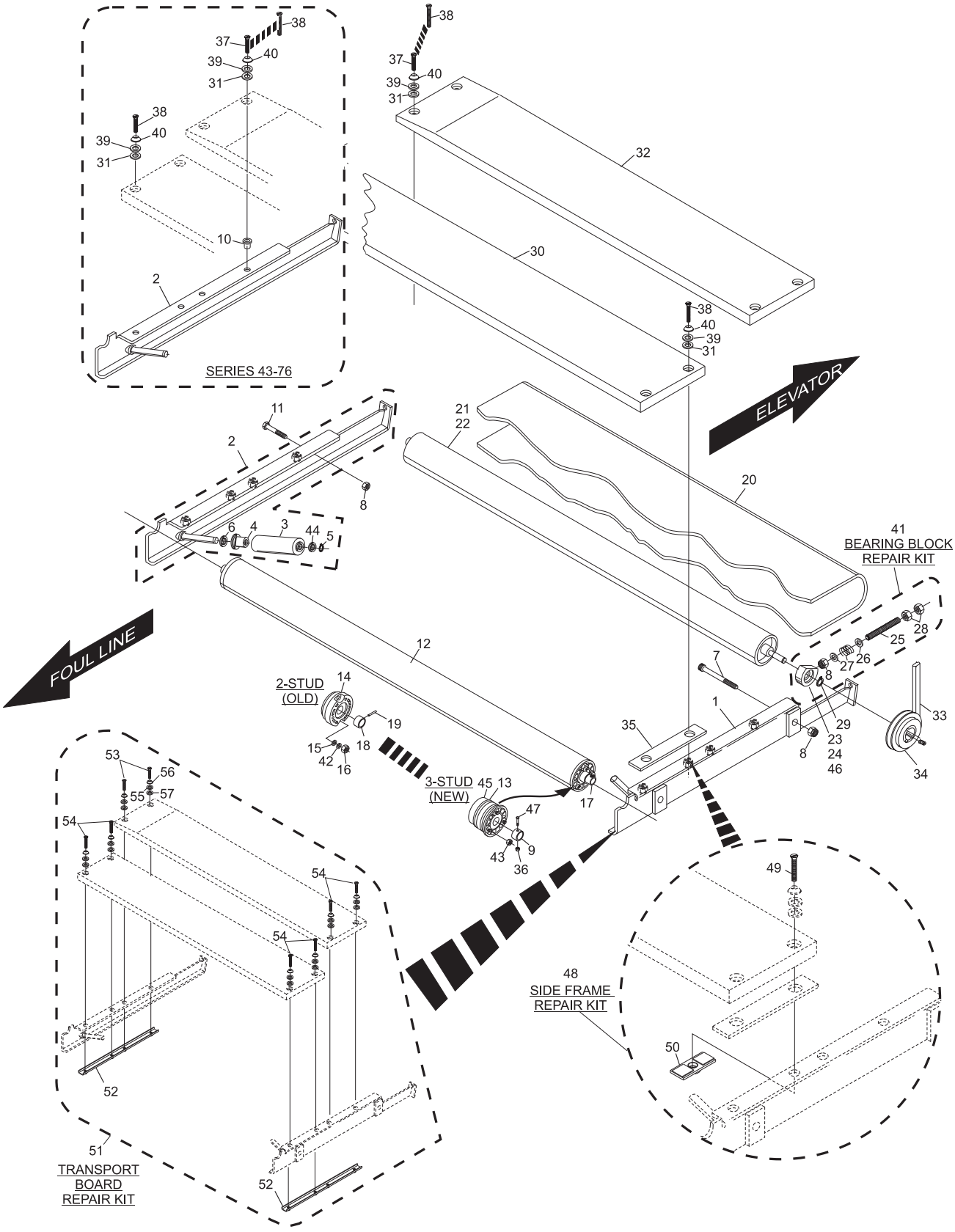
** When replacing 8 mm side frame with 10 mm frames,, also order 10 mm hardware (see index No. 31, 37, 39, 40 from page 12B.)*

If replacing side frames equipped with rubber weld-nut frames, both side frames must be replaced. Also order 10 mm hardware and rubber spacers (see index No. 31, 35, 37, 39, 40 from page 12B.)

***Includes index nos. 23, 24, 25, 26, 27 & 28*

NOTE: For faster transport band belt/pulley operation, order 1 each:
47-025049-000 (125 mm Pulley),
11-053910-000 (125 mm V-Belt),
47-093863-003 (12/15 mm Pulley),
47-024838-004 (Polycord Belt)

Transport Band Assembly (8 mm Side Frames)
Short Pit Machines Series 43 through 207

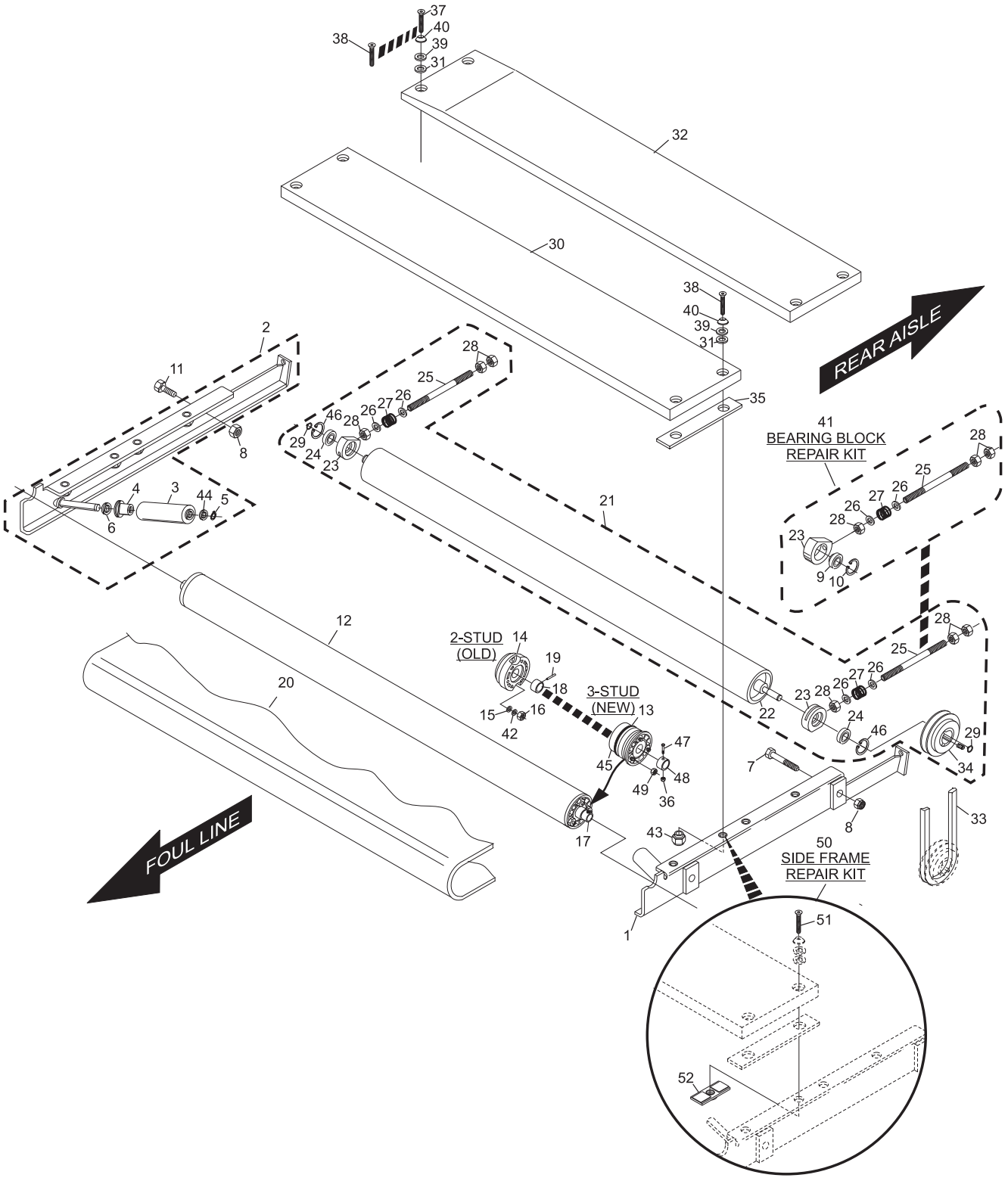


Transport Band Assembly (8 mm Side Frames)
Short Pit Machines Series 43 through 207

Index No.	Part No.		Description
1.	47-024735-009		R.H. Transport Band Side Frame Complete
2.	47-024736-009		L.H. Transport Band Side Frame Complete
3.	47-020942-003		Roller
4.	47-020943-004		Roller Bushing
5.	11-051858-001		Retaining Ring (15 mm)
6.	47-861011-001		Flat Washer (17 mm) Pkg. of 10
7.	11-051565-009		Socket Hd. Machine Screw (10 mm x 110 mm)
	11-051569-009	R.O.	Socket Hd. Machine Screw (M10 x 120 mm) Pkg. of 10
8.	11-051745-001		Lock Nut (10 mm)
9.	11-054225-000	N.A.	Bearing w/Conical Insert - See index 24
10.	47-276153-000	N.A.	Repair Nut - see index 46
11.	11-051045-001		Hex Hd. Machine Screw (10 mm x 30 mm)
12.	47-023981-002		Roller Assembly Complete, (front) 3 Stud End Cap - Replaces 2 Stud End Cap Roller Assembly
13.	47-860013-000		Pkg. O-Rings (Qty. of 4)
14.	47-020908-003		End Cap w/Bearing (2 Stud Front rollers Only)
15.	11-052003-001		Flat Washer (8.4 mm)
16.	11-051744-001		Locknut (8 mm)
17.	47-023933-004		Shaft - Front
18.	47-026371-009		Spacer Bushing (13.5 mm) - Qty. of 2
19.	11-052676-001		Roll Pin (3 mm x 30 mm)
20.	11-635201-000		Transport Band Carpet (2020 mm x 1440 mm)
	11-635201-100		Certified Transport Band Belt
21.	47-025051-001		Odd Lane Short Roller Assembly Complete (rear)
22.	47-024905-001		Even Lane Short Roller Assembly Complete (rear)
23.	47-024094-003		Housing
24.	11-430055-000		Deep Groove Ball Bearing
25.	47-024093-004		Threaded Rod (10 mm x 140 mm)
26.	11-052050-001		Flat Washer (10.5 mm)
27.	47-024309-004		Spring
28.	11-051703-001		Hex Nut (10 mm)
29.	11-051853-001		Retaining Ring (20 mm)
30.	47-023959-003		Front Board Assembly Complete
31.	47-024741-004		Flat Washer (10.5 mm)
32.	47-025175-003		L.H. Rear Board Assembly - Complete (odd lane)
	47-025176-003		R.H. Rear Board Assembly - Complete (even lane)
33.	11-053909-000		V Belt (10 mm x 6 mm x 2560 mm) - use with 110 mm pulley
34.	47-025049-004		V-Belt Pulley (125 mm)
35.	47-023915-004		Rubber Spacer
36.	11-051746-001		Locknut (3 mm)
37.	11-052929-000		Socket Flat Hd. S.S. Screw (10 mm x 50 mm)
38.	11-052930-000		Socket Flat Hd. Cap Screw S.S. (10 mm x 60 mm)
39.	47-861042-001		Rubber Washers (Pkg of 10)
40.	11-052150-001		47-024740-004 Finishing Washer (5.3 mm x 28 mm x 10.2 mm)
41.	47-274332-002		Bearing Block Repair Kit
42.	11-051770-001		Lock Washer (10 mm)
43.	11-050326-001		Rivot Nut
44.	11-052064-001	N.A.	Flat Washer (15 mm)
	47-861014-001	R.O.	Pkg. of 10 Flat Washer (15 mm)
45.	47-025178-003		Bearing (3-stud)
46.	11-051902-001		Retaining Ring (52 mm)
47.	11-051561-001		Hex Head Cap Screw (3 mm x 30 mm)
48.	47-026370-009		Spacer Bushing (21 mm) - Qty. of 2
49.	11-051743-001		Hex Nut (6 mm)
50.	47-276153-009		Side Frame Repair Kit (contains 1 each index 51 and index 52)
51.	11-052930-000	N.A.	Screw Socket Flat Head- see index 50
52.	47-276153-000	N.A.	Repair Nut - see index 50

N.A.= No Longer Available
R.O.= Replacement Option

Transport Band Assembly (10 mm Side Frames)
Short Pit Machines Series 208 and Above



Transport Band Assembly (10 mm Side Frames)
Short Pit Machines Series 208 and Above

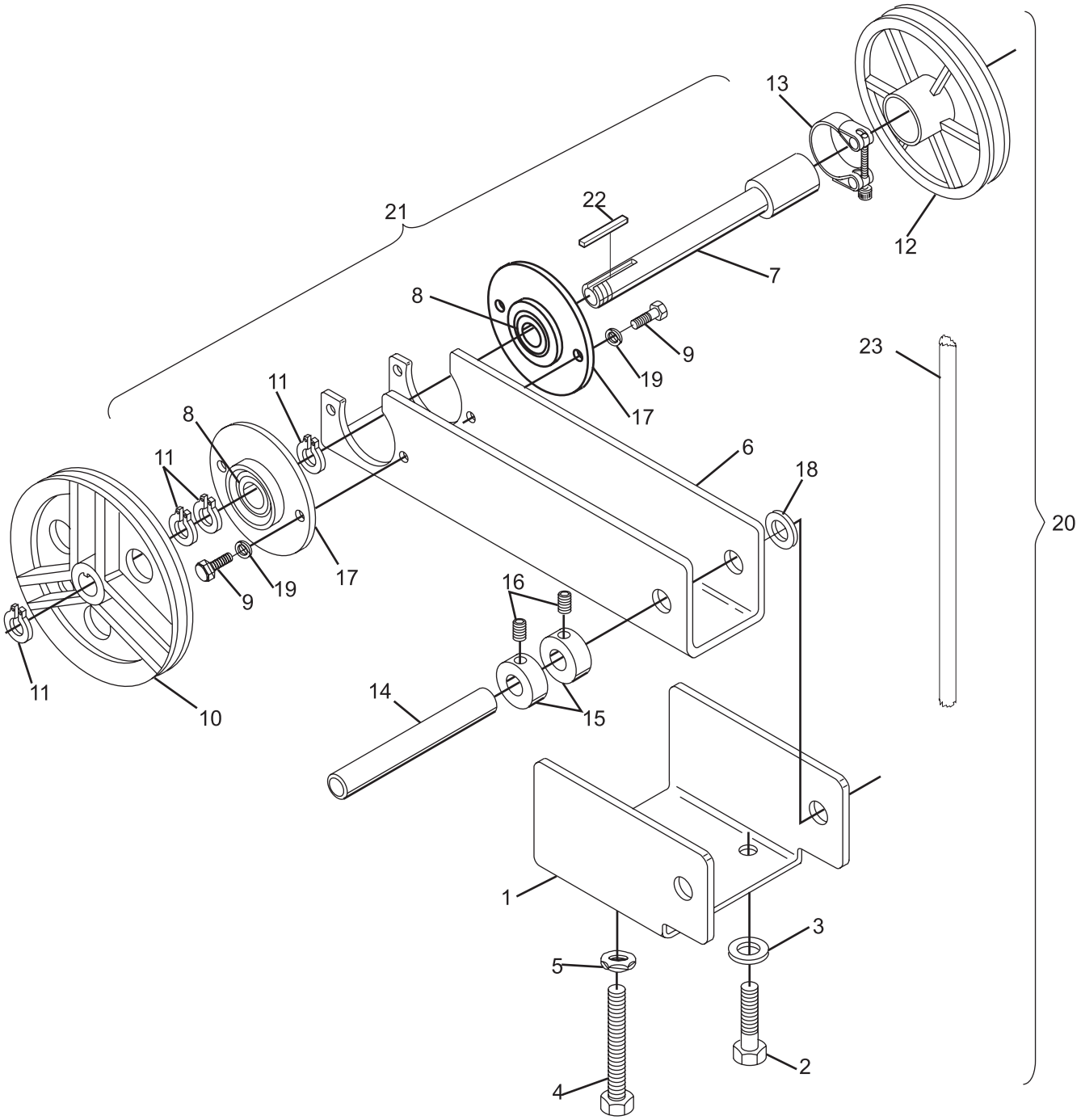
Index No.	Part No.	Description
1.	47-024006-003	Support Bracket
2.	11-051006-001	Hex Hd. Machine Screw (10 mm x 50 mm)
3.	11-052028-001	Flat Washer (10.5 mm)
4.	11-051046-001	Hex Hd. Machine Screw (10 mm x 80 mm)
5.	11-053153-001	Hex Jam Nut (10mm)
6.	47-023999-002	Lever
7.	47-023998-004	Shaft
8.	11-430028-000	Bearing
9.	11-054450-000	Self-Tapping Screw (6 mm x 16 mm)
10.	47-013956-003	V-Belt Pulley for 2560 or 2650 mm V-Belt
11.	11-051852-001	Retaining Ring (17mm)
12.	47-093863-003	Round Belt Pulley for 12 or 15 mm Polycord
13.	47-093874-004	Pulley Clamp
14.	47-024037-004	Shaft
15.	11-053616-001	Stop Collar (15 mm)
16.	11-052801-001	Set Screw (6 mm x 6 mm)
17.	47-094326-004	Flange
18.	11-052027-001	Flat Washer (17 mm)
19.	11-052048-001	Flat Washer (6.4 mm)
20.	47-023977-001	Transport Band Belt Tensioner Assembly - Complete (left machine)
21.	*47-274660-009	Tensioner Shaft Retrofit Kit
22.	11-053501-000	Key (5 mm x 5 mm x 25 mm)
23.	47-024838-004	Polycord Belt (15 mm dia.)
	47-024838-005	Polycord Belt (15 mm dia. x 7 m)

N.A.=No Longer Available

* Includes Index Nos. 6, 7, 8, 9, 11, 17, 19 and 22.

NOTE: For faster transport band belt/pulley operation, order 1 each: 47-025049-000 (125 mm Pulley), 11-053916-000 (125 mm V-Belt), 47-093863-003 (12/15 mm Pulley), and 47-024838-005 or 47-024838-004 (15 mm Polycord Belt)

Transport Band Belt Tensioner Assembly - Left Machine
Short Pit Machines Series 43 and Above



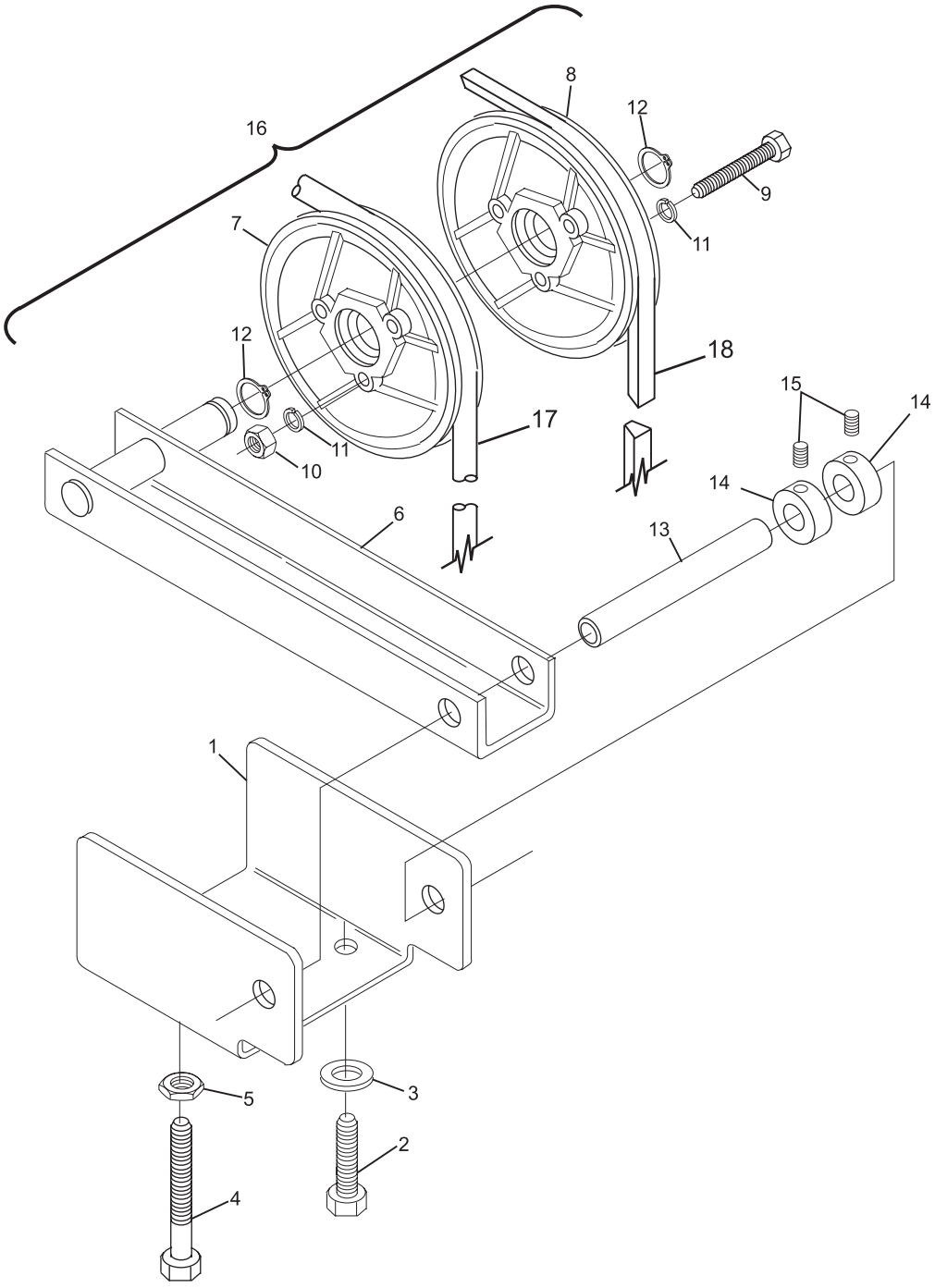
Transport Band Belt Tensioner Assembly - Left Machine
Short Pit Machines Series 43 and Above

Index No.	Part No.		Description
1.	47-024006-003		Support Bracket
2.	11-051006-001		Hex Hd. Machine Screw (10 mm x 50 mm)
3.	11-052028-001		Flat Washer (10.5 mm)
4.	11-051046-001		Hex Hd. Machine Screw (10 mm x 80 mm)
5.	11-053153-001		Hex Nut (10 mm)
6.	47-024007-003		Pivot Arm
7.	47-092415-003		Round Belt Pulley for 12 mm or 15 mm polycord
8.	47-024004-003		V-Belt Pulley for 2560 mm or 2650 mm V-Belt
9.	11-051002-001		Hex Hd. Machine Screw (5 mm x 30 mm)
10.	11-051742-001		Locknut (5mm)
11.	11-052005-001		Flat Washer (5.3 mm)
12.	11-051852-001		Retaining Ring (17 mm)
13.	47-024037-004		Shaft
14.	11-053616-001		Stop Collar (15 mm)
15.	11-052801-001		Set Screw (6 mm x 6 mm)
16.	*47-023980-001		R.H Machine Transport Band Belt Tensioner Assembly Complete
17.	47-024838-004	N.A.	Polycord Belt (15 mm)
	47-024838-005	R.O.	Polycord Belt (15 mm x 7 mm)
18.	11-053909-000		V Belt (10 mm x 6 mm x 2560 mm) - use with 110 mm pulley
	11-053910-000		V-Belt (10 mm x 6 mm x 2650 mm) - use with 125 mm pulley

N.A.= No Longer Available
R.O.= Repalcement Option

* Includes Index Nos. 7, 8, 9, 10, 11, and 12

Transport Band Belt Tensioner Assembly - Right Machine
Short Pit Machines Series 43 and Above



Transport Band Belt Tensioner Assembly - Right Machine
Short Pit Machines Series 43 and Above

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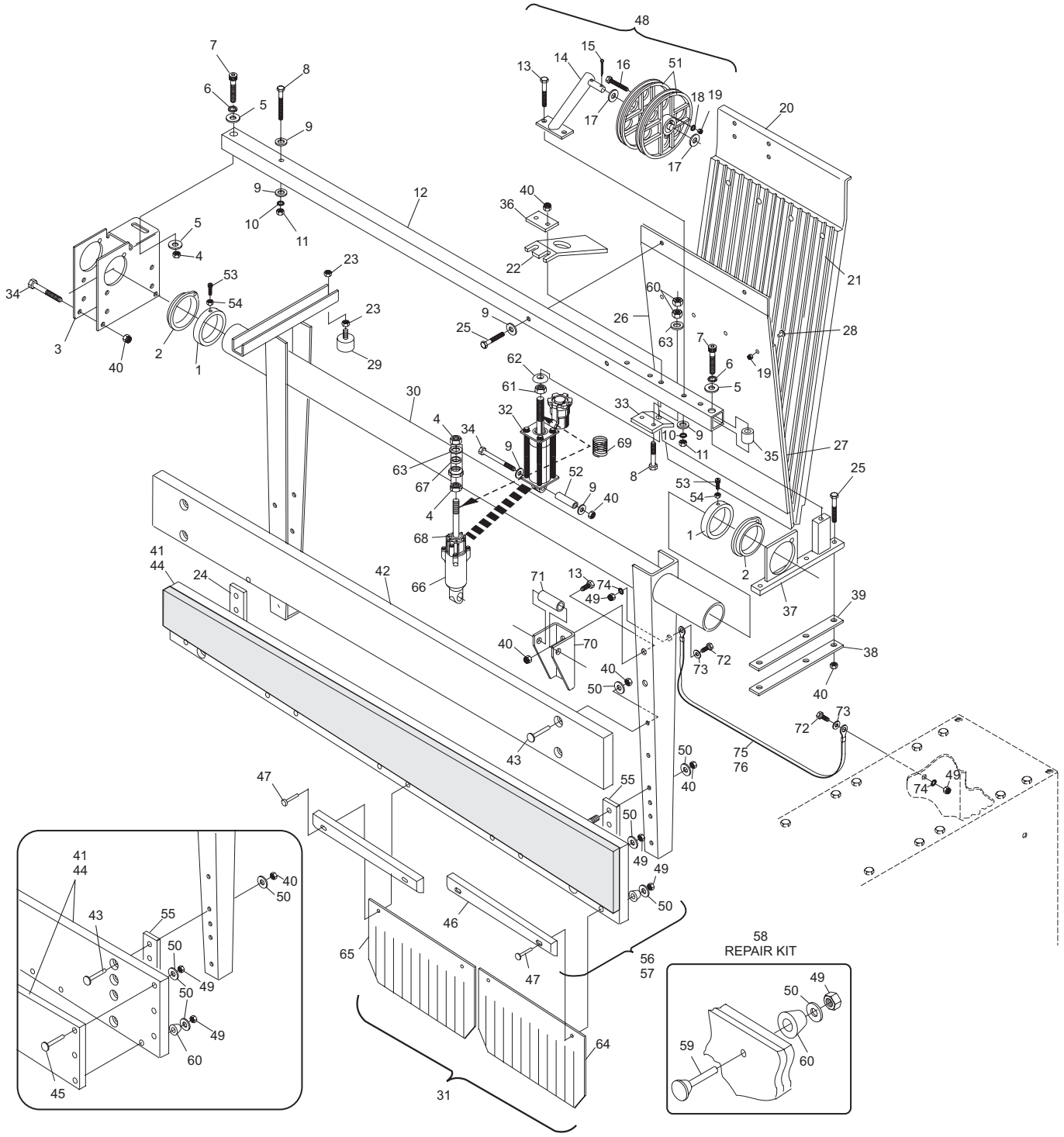
Section C

BALL CUSHION & PIT CURTAIN

Index No.	Part No.		Description
1.	47-020953-004		Stop Collar
2.	99-010108-004		Bearing
3.	47-021466-001		Bearing Block
4.	11-051706-001		Hex Nut (12 mm)
5.	11-052024-001	N.A.	Flat Washer (13 mm)
	47-861010-001	R.O.	Flat Washer (13 mm) Pkg. of 20
6.	11-051772-001		Lockwasher (12 mm)
7.	11-051564-009		Socket Hd. Cap Screw (12 mm x 60 mm)
8.	11-051012-001		Hex Hd. Cap Screw (10 mm x 70 mm)
9.	11-052050-001		Flat Washer (10.5 mm)
10.	11-051771-001		Lockwasher (10 mm)
11.	11-051703-001		Hex Nut (10 mm)
12.	47-020948-003		Transverse Bar
	47-024077-003		Transverse Bar (short pit)
13.	11-051058-001		Hex Hd. Cap Screw (10 mm x 55 mm)
14.	47-021009-002		Pulley Holder
15.	11-051786-001		Split Pin (2.5 mm x 25 mm)
16.	11-051014-001		Hex Hd. Cap Screw (6 mm x 45 mm)
17.	11-052012-001		Flat Washer (18 mm)
18.	11-052048-001		Flat Washer (6.4 mm)
19.	11-051743-001		Locknut (6 mm)
20.	N.A.		Long Brake Plate (for single feed distributors)
21.	N.A.		Rubber Material (rear)
22.	47-022098-004		Hydraulic Protector Plate
23.	11-051704-001		Hex Nut (8 mm)
24.	47-021489-004		Short Spacer
25.	11-051052-001		Hex Hd. Cap Screw (10 mm x 45 mm)
26.	N.A.		Short Brake Plate
27.	N.A.		Rubber Material (forward)
28.	11-051879-001	N.A.	Truss Hd. Machine Screw (6 mm x 20 mm)
	47-861007-001	R.O.	Truss Hd. Machine Screw (6 mm x 20 mm) Pkg. of 5
29.	11-053578-000		Rubber Bumper - male (8 mm)
30.	47-025639-009		Ball Cushion Frame w/Bracket (for both R.H. and L.H. machines)
31.	47-274888-009		Cushion Flap Kit Complete
32.	N.A.		Ball Cushion Hydraulic Complete
	99-020402-002	N.A.	Cushion Flap Assembly
	99-026121-000	R.O.	Hydraulic Ball Cushion Assembly
33.	N.A.		Hydraulic Mounting Plate
34.	11-051013-001		Hex Hd. Cap Screw (10 mm x 90 mm)
35.	47-021110-004		Spacer
36.	47-021120-004		Mounting Plate
37.	47-020947-003		Bearing Block
38.	N.A.		Wood Shim (5 mm)
39.	47-021318-003		Wood Shim (10 mm)
40.	11-051745-001		Locknut (10 mm)
41.	47-025045-009		R.H. Ball Cushion Board w/Facing (even lane)
42.	47-021872-003		Top Ball Cushion Board
43.	11-052618-001		Carriage Bolt (10 mm x 50 mm)
44.	47-025044-009		L.H. Ball Cushion Board w/Facing (odd lane)
45.	11-052603-001		Carriage Bolt (8 mm x 45 mm)
46.	47-026102-009		AP Impact Strips (Qty. 2)
	47-021010-003		Impact Strip (Black) (Qty. 1)
47.	11-051055-001		Hex Hd. Cap Screw (8 mm x 60 mm)
48.	47-021195-002		Pulley Holder Complete
49.	11-051744-001		Locknut (8 mm)
50.	11-052018-001		Flat Washer (10.5 mm)
51.	47-022410-003		Pulley w/Bearing
52.	47-021112-004		Bushing
53.	11-051515-001		Socket Hd. Cap Screw (6 mm x 18 mm)
54.	11-051702-001		Hex Nut (6 mm)
55.	47-021488-004		Long Spacer
56.	N.A.		L.H. Ball Cushion Frame Assembly odd lane Complete
57.	N.A.		R.H Ball Cushion Frame Assembly even lane Complete
58.	47-274281-009		Ball Cushion Repair Kit
59.	47-024276-004		Rubber Head Screws
60.	47-023660-004		Cap
61.	N.A.		Jam Nut (12 mm x 8 mm)
62.	47-021119-004		Special Round Top Nut (12 mm)
63.	11-052015-001		Flat Washer (13 mm)
64.	N.A.		R.H. Cushion Flap (even lane)
65.	N.A.		L.H. Cushion Flap (odd lane)
66.	99-020402-002	N.A.	Ball Cushion Hydraulic - Complete (all GS Pinsetters)
	99-026121-000	R.O.	Ball Cushion Hydraulic Assembly
67.	47-021108-004		Spacer (used in new and old Shock)
68.	11-055351-000		Sealing Ring (all GS Shocks)
69.	47-071602-004		Compression Spring
70.	47-025637-003		Bracket
71.	47-025638-004		Spacer
72.	11-051010-001		Hex Head Cap Screw (8 mm x 20 mm)
73.	11-052003-001		Flat Washer (8 mm)
74.	11-055015-001		Starlock Washer (8 mm)
75.	47-245788-003	N.A.	Ground Strap - only
76.	47245788-009		Ground Strap Kit includes mounting hardware

N.A.= No Longer Available
R.O. = Replacement Option

Ball Cushion Assembly



Ball Cushion Assembly

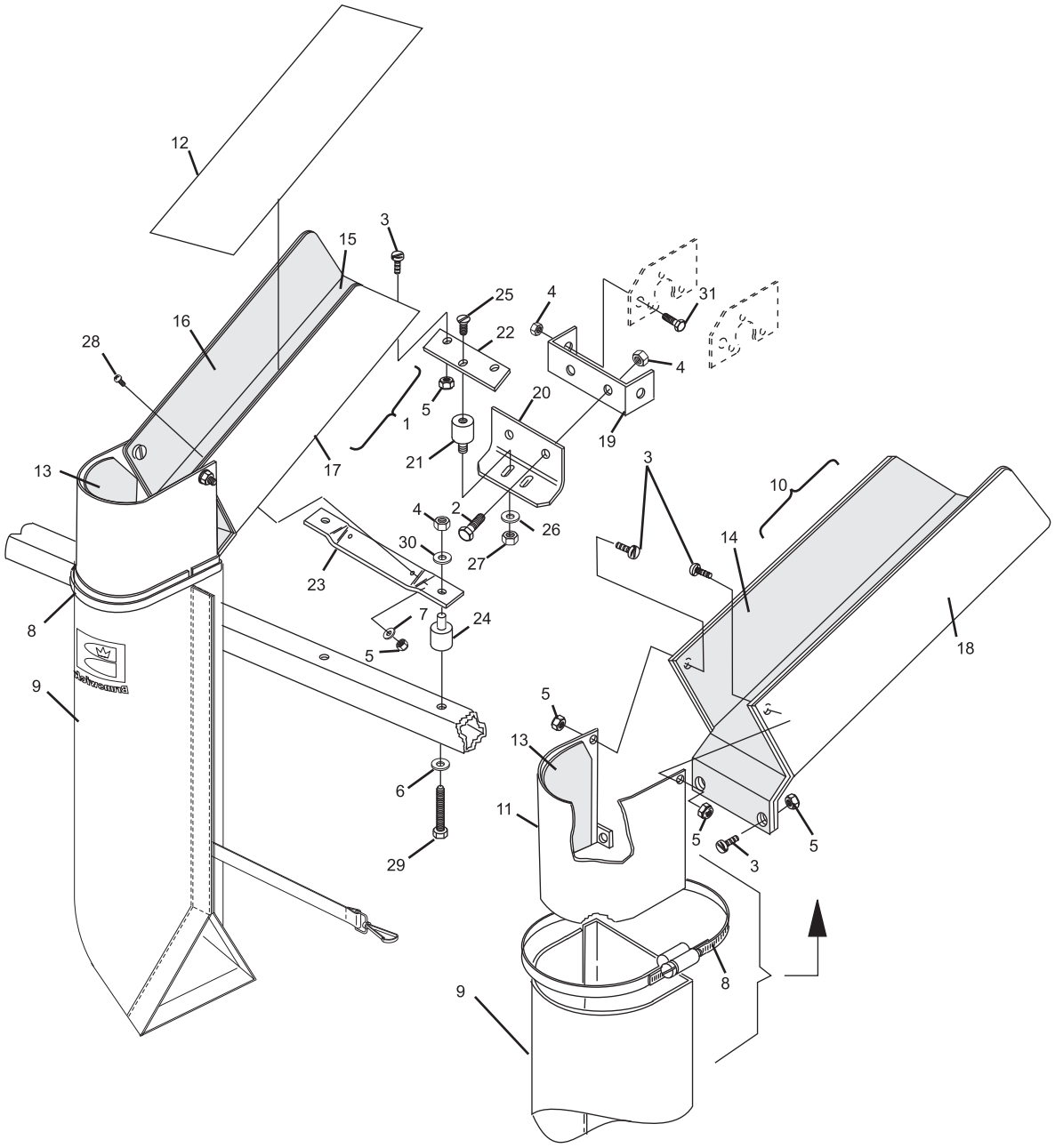
No.	Index Part No.		Description
1.	*47-092332-003	N.A.	R.H. Overflow Chute Complete (long pit version)
	*47-095186-009	N.A.	R.H. Overflow Chute Complete (short pit version) - see page 6C
	47-095740-009	R.O.	R.H. Overflow Chute w/o Sock
2.	11-051043-001	N.A.	Hex Hd. Cap Screw (8 mm x 12 mm)
3.	11-052361-001		Pan Hd. Machine Screw (5 mm x 12 mm)
4.	11-051744-001		Locknut (8 mm)
5.	11-051742-001		Locknut (5 mm)
6.	11-052019-001		Flat Washer (8.4 mm)
7.	11-052039-001		Fender Washer (5.3 mm)
8.	11-603301-000		Overflow Chute Clamp
	47-862780-000	N.A.	Chute Clamp Kit (consists of 10 clamps only - no banding)
9.	47-097509-000		OEM Overflow Pin Sock
	47-092529-000	N.A.	Sock (White)
	47-092529-600		Sock - heavy duty (White)
	47-022531-000	N.A.	Sock (Black)
10.	**47-092333-003	N.A.	L.H. Overflow Chute Complete (long pit version)
	**47-095187-009	N.A.	L.H. Overflow Chute Complete (short pit version) - see page 6C
	47-095739-009	R.O.	L.H. Overflow Chute w/o Sock
11.	47-092298-003		Sock Brace Only
12.	47-092527-000		Pin Wipe
13.	47-092310-004		Felt (for Sock Brace)
14.	47-092448-004		Felt (for inside wall, long pit version)
	47-094073-004		Felt (for inside wall, short pit version)
15.	47-092449-004		Felt (for bottom, long pit version)
	47-094075-004	N.A.	Felt (for bottom, short pit version)
16.	47-092450-004		Felt (for outside wall, long pit version)
	47-094076-004		Felt (for outside wall, short pit version)
17.	N.A.		R.H. Overflow Chute Only (long pit version)
	N.A.		R.H. Overflow Chute Only (short pit version)
18.	N.A.		L.H. Overflow Chute Only (long pit version)
	N.A.		L.H. Overflow Chute Only (short pit version)
19.	47-093749-004		Bracket
20.	47-094355-004		Bracket
21.	11-053575-000		Rubber Mount
22.	47-094356-004		Mounting Plate
23.	47-094357-003		Plate
24.	11-053585-000		Rubber Bumper
25.	11-052928-001		Countersunk Screw (6 mm x 10 mm)
26.	11-052048-001		Flat Washer (6.4 mm)
27.	11-051743-001		Locknut (6 mm)
28.	11-052369-001		Pan Hd. Machine Screw (5 mm x 16 mm)
29.	11-051011-001		Hex Hd. Cap Screw (8 mm x 50 mm)
30.	11-052006-001		Flat Washer (8.4 mm)
31.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)

N.A.= No Longer Available
R.O. = Replacement Option
S.O. = Special Order

* Includes Index Nos. 3,5,7,8,9,11,13,14,15,16 and 17

** Includes Index Nos. 3,5,7,8,9,11,13,14,15,16 and 18

Dual Feed Overflow Chute



Dual Feed Overflow Chute

Index No.	Part No.		Description
1.	11-051030-001		Hex Hd. Cap Screw (5 mm x 20 mm)
2.	11-052039-001		Flat Washer (5.3 mm)
3.	11-051742-001		Locknut (5 mm)
4.	11-051744-001		Locknut (8 mm)
5.	11-051043-001		Hex Hd. Cap Screw (8 mm x 12 mm)
6.	47-097509-000		OEM Overflow Pin Sock
	47-022531-000	N.A.	Sock (Black)
	47-092529-600		Sock - heavy duty (White)
7.	11-603301-000		Overflow Chute Clamp
8.	*47-095739-009		L.H. Plastic Chute
9.	*47-095740-009		R.H. Plastic Chute
10.	47-095080-004		Support Bracket
11.	47-093937-003	N.A.	L.H. Chute Assembly
	47-095739-009	R.O.	L.H. Chute Assembly w/o Sock
	47-093938-003	N.A.	R.H. Chute Assembly
	47-095740-009	R.O.	R.H. Chute Assemblyw/o Sock
12.	47-860003-000		Pin Wipe
13.	47-093749-004		Chute Bracket

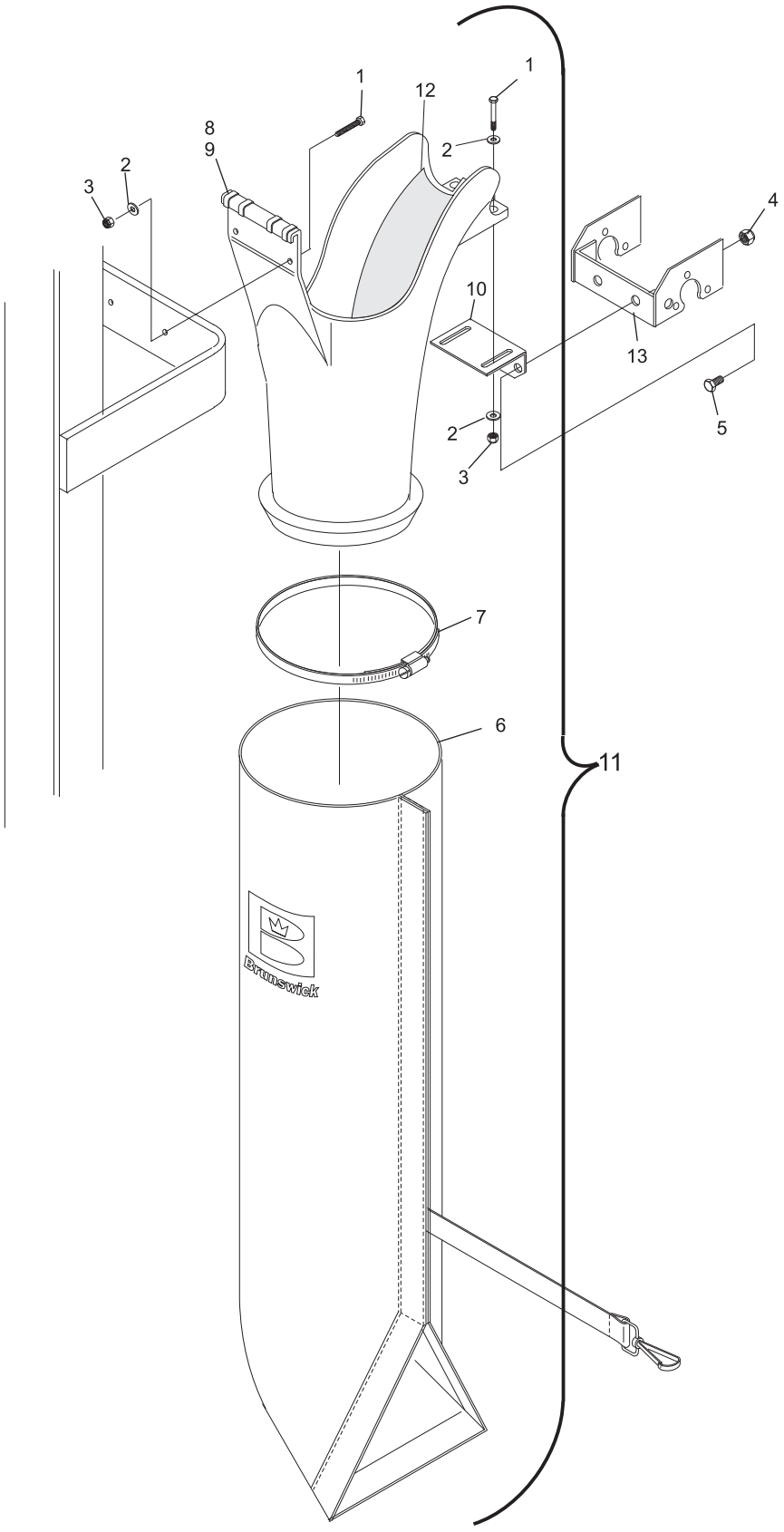
N.A.= No Longer Available
R.O. = Replacement Option

* When ordering - order the new style chute part numbers:
47-095738-001 L.H. Plastic Chute - only
47-095737-001 R.H. Plastic Chute - only
And order upgrade kit 47-275731-009 to upgrade to a shock mounted overflow chute, contains parts for two chutes.

** Order new shock mounted overflow chutes:
47-095740-009 R.H. Chute Assembly w/out Sock
47-095739-009 L.H. Chute Assembly w/out Sock

Reference page 11C.

Dual Feed Overflow Chute (Plastic)

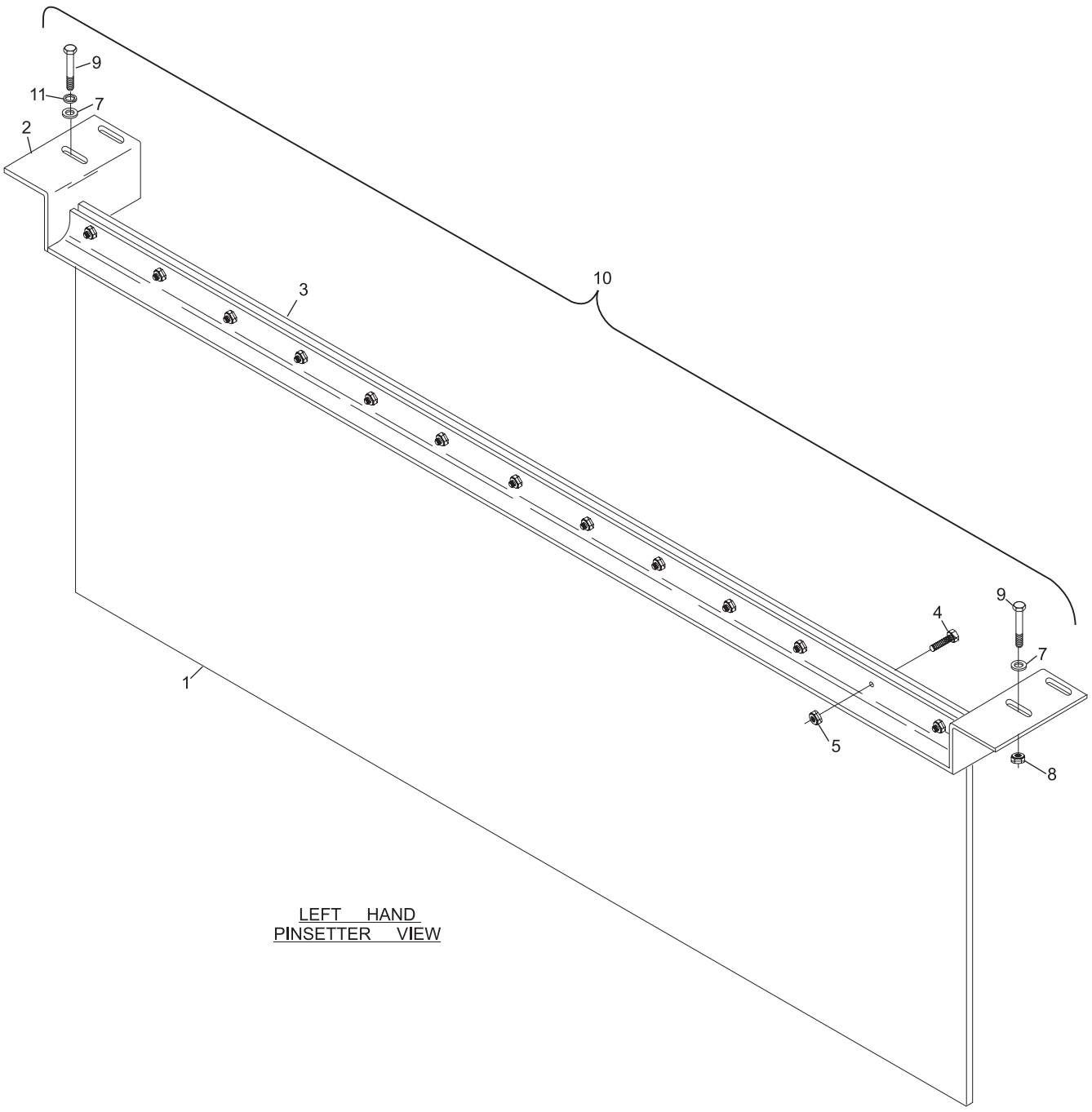


Dual Feed Overflow Chute
(Plastic)

Index No.	Part No.	Description
1.	47-021084-004	Curtain
2.	47-021088-002	Pit Curtain Holder
3.	N.A.	Pit Curtain Support Bracket
4.	11-051533-001	Socket Hd. Cap Screw (8 mm x 25 mm)
5.	11-051744-001	Locknut (8 mm)
6.	11-051015-001	Hex Hd. Cap Screw (8 mm x 25 mm)
7.	11-052006-001	Flat Washer (8.4 mm)
8.	11-051745-001	Locknut (10 mm)
9.	11-051055-001	Hex Head Cap Screw (8 mm x 60 mm)
10.	47-021196-002	Pit Curtain Assembly Complete
11.	11-051770-001	Lockwasher (8 mm)

N.A. = No Longer Available

Pit Curtain Assembly



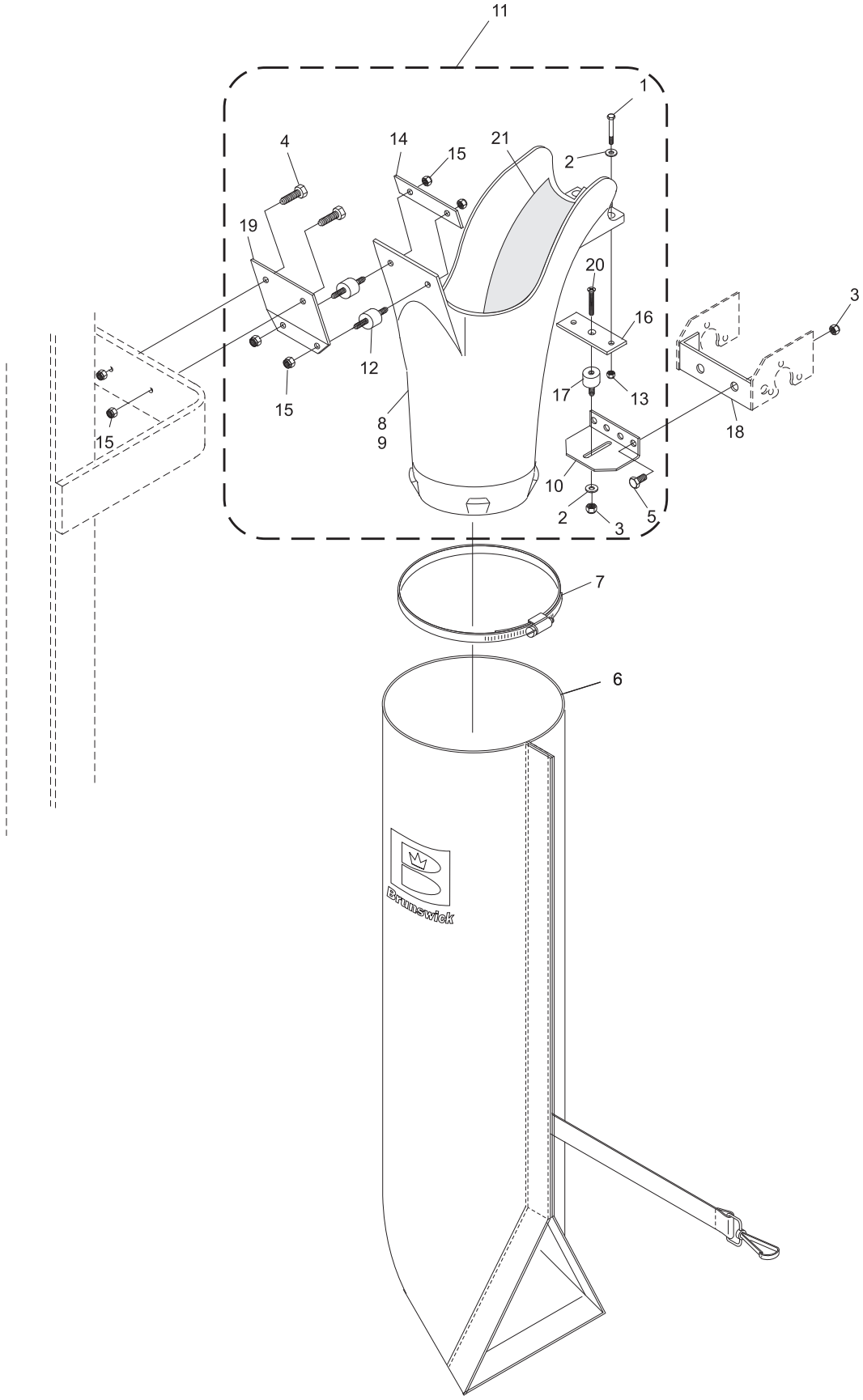
Pit Curtain Assembly

Index No.	Part No.		Description
1.	11-051004-001	N.A.	Hex Hd. Cap Screw (5 mm x 25 mm)
	47-861001-001	R.O.	Hex Hd. Cap Screw (5 mm x 25 mm) Pkg. of 10
2.	11-052039-001		Flat Washer (5.3 mm)
3.	11-051744-001		Locknut (8 mm)
4.	11-051035-001		Hex Hd. Cap Screw (6 mm x 16 mm)
5.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
6.	47-097509-000		OEm Overflow Pin Sock
	47-022531-000	N.A.	Sock (Black)
	47-092529-600		Sock - heavy duty (White)
7.	11-603301-000		Overflow Chute Clamp
8.	47-095738-001		L.H. Plastic Chute - only
9.	47-095737-001		R.H. Plastic Chute - only
10.	47-095728-004		Angle Bracket
11.	47-095740-009		R.H. Chute Assembly w/out Sock
	47-095739-009		L.H Chute Assembly w/out Sock
12.	11-053587-000		Rubber Bumper (25 mm x 15mm)
13.	11-051742-001		Locknut (5 mm)
14.	47-095727-004		Pressure Plate
15.	11-051743-001		Locknut (6 mm)
16.	47-095726-004		Mounting Plate
17.	11-053588-000		Rubber Bumper (30 mm x 20 mm)
18.	47-093749-004		Bracket
19.	47-095729-004		Mounting Bracket
20.	11-052938-001		Flat Hd. Screw (8 mm x 12 mm)
21.	47-860003-000		Pin Wipe
22.	*47-275731-009		Overflow Chute Conversion Kit (contains index numbers: 2, 3, 4, 5, 10, 12, 14, 15, 16, 17, 19 and 20)

N.A. = No Longer Available
R.O. = Replacement Option

* Not illustrated

Shock Mounted Dual Feed Overflow Chute (Plastic)



Shock Mounted Dual Feed Overflow Chute
(Plastic)

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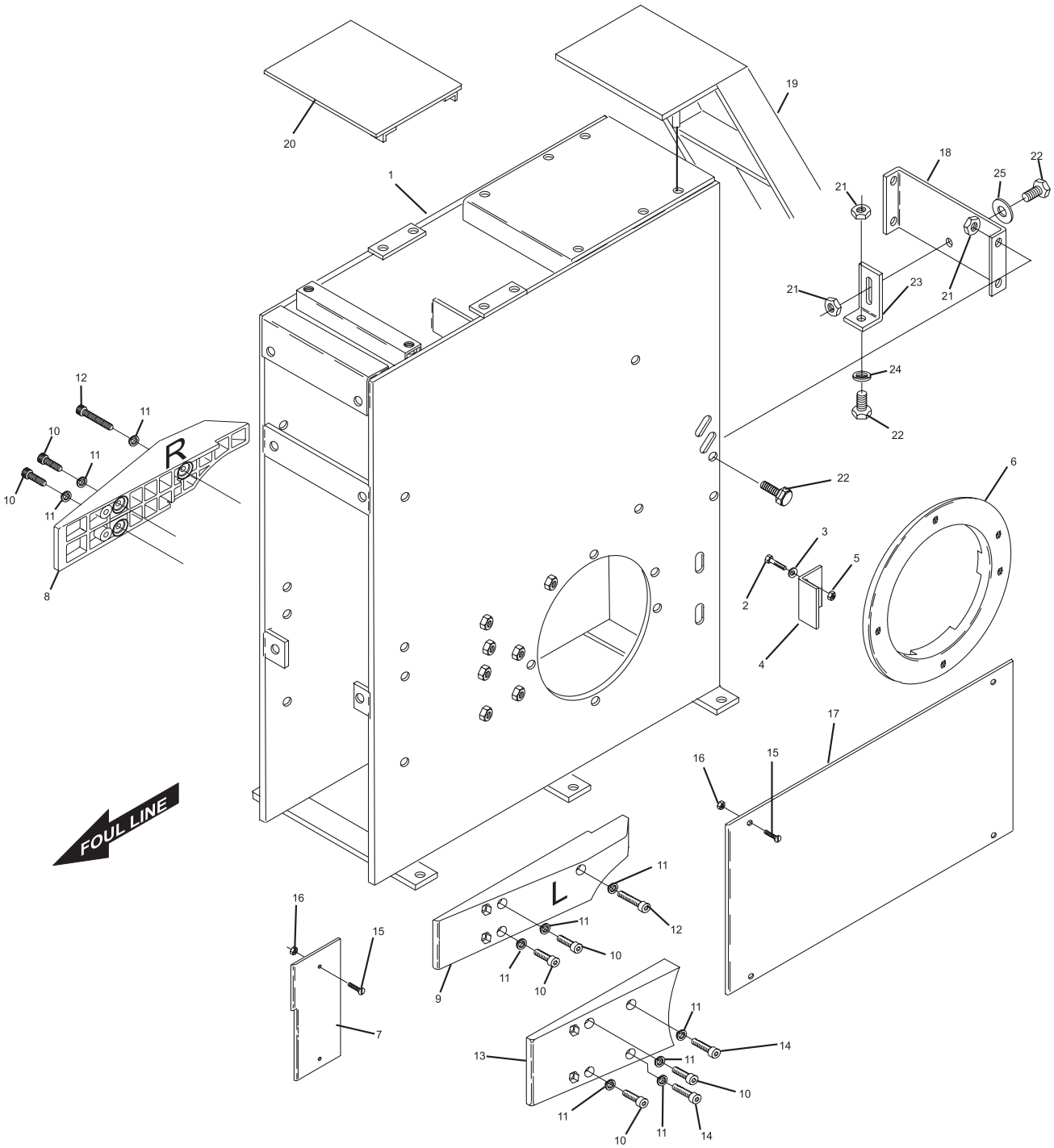
Section D

ACCELERATOR

Index No.	Part No.		Description
1.	47-021476-001		Ball Accelerator Box
2.	11-051019-001		Hex Hd. Cap Screw (10 mm x 25 mm)
3.	11-052018-001		Flat Washer (10.5 mm)
4.	47-021249-004		Ball Cushion Stop
5.	11-051745-001		Locknut (10 mm)
6.	47-021057-003		Ball Door Protector Ring
7.	47-021481-003		Fiber Plate (small)
8.	47-021619-002		Protector Wedge - 10 pin side
9.	47-021620-002		Protector Wedge - 7 pin side
10.	11-051543-001		Socket Hd. Cap Screw (10 mm x 20 mm)
11.	11-051771-001		Lockwasher (10 mm)
12.	11-051551-001		Socket Hd. Cap Screw (10 mm x 45 mm)
13.	47-021618-002		Protector Wedge (lower)
14.	11-051512-001		Socket Hd. Cap Screw (10 mm x 35 mm)
15.	11-052454-001	N.A.	Flat Hd. Machine Screw (6 mm x 16 mm)
16.	11-051743-001		Locknut (6 mm)
17.	47-021480-003	N.A.	Fiber Plate (large)
18.	47-021478-003		Retaining Plate
19.	47-023950-002	N.A.	Ladder (short pit)
	47-085967-009	R.O.	Ladder
20.	47-023593-003		Guard Plate
21.	11-051744-001		Locknut (8 mm)
22.	11-051010-001		Hex Hd. Cap Screw (8 mm x 20 mm)
23.	47-031479-004		Retaining Plate Bracket
24.	11-052031-001		Flat Washer (9 mm)
25.	11-052017-001		Washer (8.4 mm)

N.A. = No Longer Available
R.O. = Replacement Option

Accelerator Box Assembly

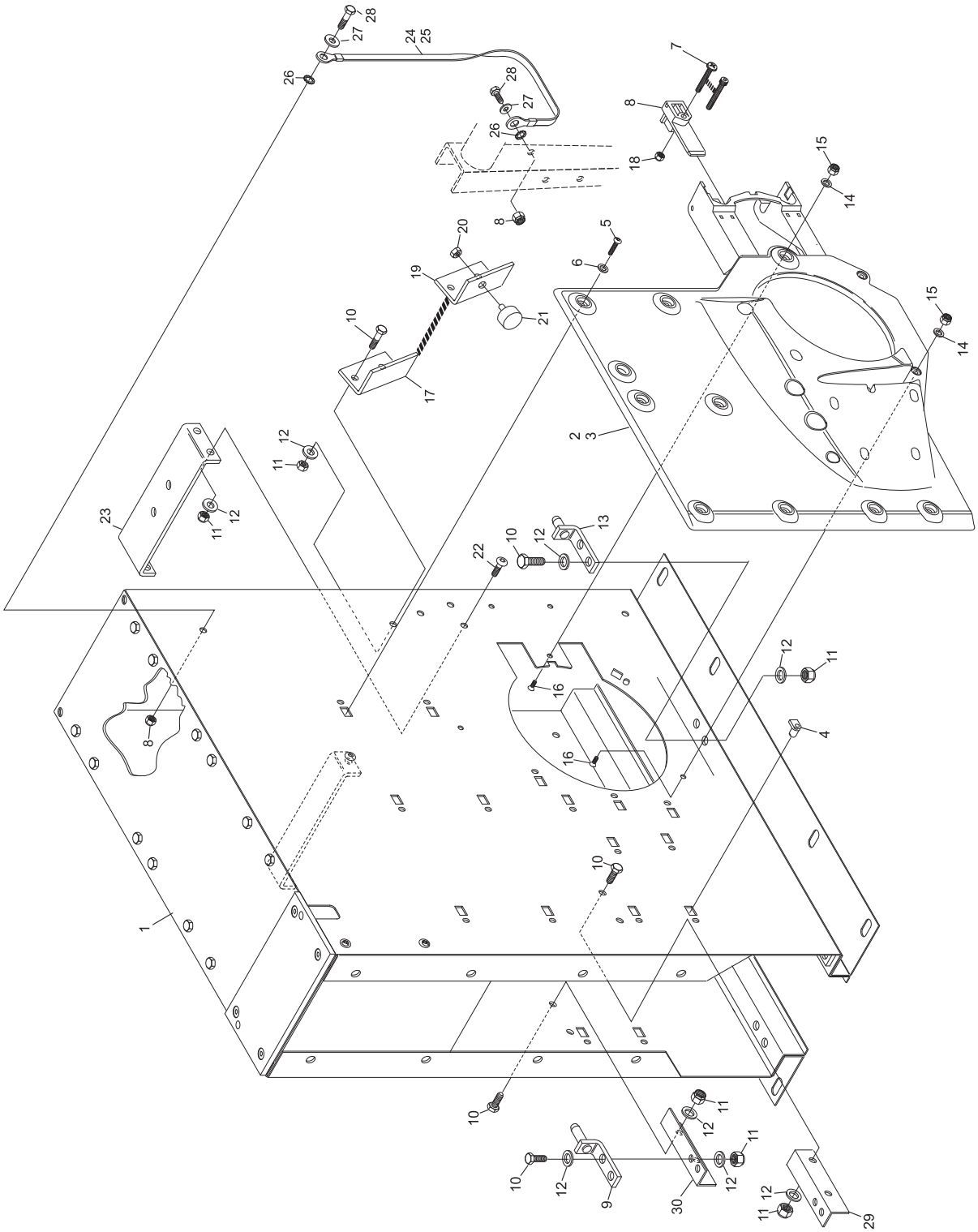


Accelerator Box Assembly

Index No.	Part No.		Description
1.	47-035305-009	S.O.	Ball Accelerator Box (complete)
2.	47-035240-001		L.H. Ball Door Protector Plate - 10 pin side
3.	47-035241-001		R.H. Ball Door Protector Plate - 7 pin side (shown)
4.	11-055800-000		EJOT Plastic Fastener (Nut Plate)
5.	11-054466-000		EJOT Plastic Fastener Screw (25 mm x 60 mm)
6.	11-052008-001		Flat Washer (6.4 mm)
7.	11-054460-000	N.A.	EJOT Screw (60 mm x 50 mm)
	11-054466-000	R.O.	Torx Head Self Tap Screw (60 mm x 25 mm)
8.	47-035239-004		Axle Wedge
9.	47-035220-003		Front Accelerator Mount Bracket w/Pin
10.	11-051019-001		Hex Hd. Cap Screw (10 mm x 25 mm)
11.	11-051745-001		Locknut (10 mm)
12.	11-052018-001		Flat Washer (10.5 mm)
13.	47-035219-003		Rear Ball Rod Assembly Mount w/Pin
14.	11-052020-001		Flat Washer (5.3 mm)
15.	11-051742-001		Locknut (5 mm)
16.	11-052933-001		Countersunk Screw (5 mm x 12 mm)
17.	47-021249-004		Ball Cushion Stop
18.	11-051743-001		Locknut (6 mm)
19.	47-025751-004		Stop Bracket
20.	11-051744-001		Hex Nut (8 mm)
21.	99-020434-004		Rubber Bumper (30 x 20)
22.	11-054805-001		Button Hd. Socket Screw (10 mm x 25 mm)
23.	47-035228-003		Mount Bracket
24.	47-245788-003		Ground Strap - only
25.	47245788-009		Ground Strap Kit includes mounting hardware
26.	11-055015-001		Starlock Washer (8 mm)
27.	11-052003-001		Flat Washer (8 mm)
28.	11-051010-001		Hex Head Cap Screw (8 mm x 20 mm)
29.	47-035224-003	N.A.	Front Support Left Hand
30.	47-035223-003	N.A.	Front Support Right Hand

N.A. = No Longer Available
S.O. = Special Order

GS-X/CPO Accelerator Box Assembly



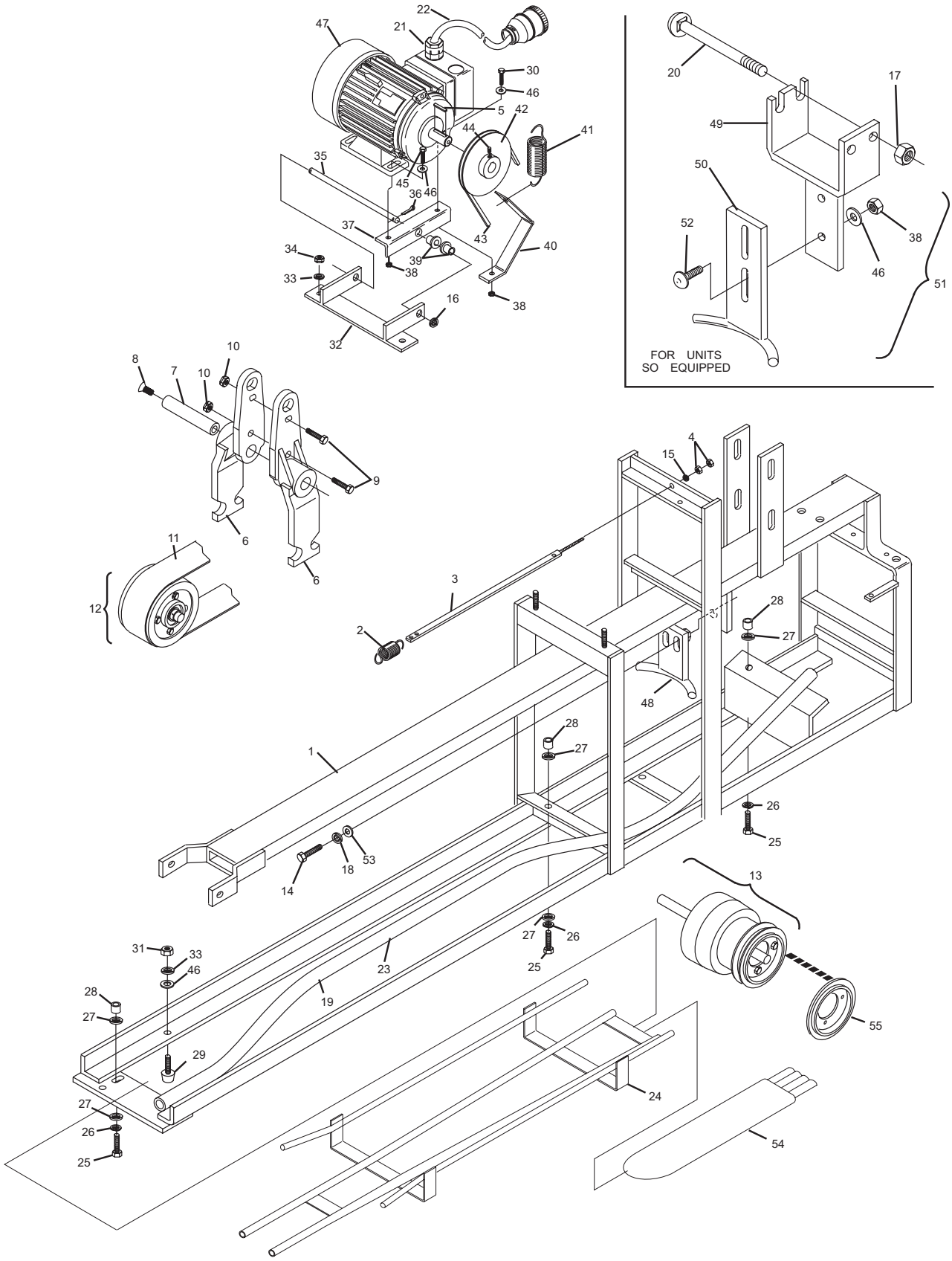
GS-X/CPO Accelerator Box Assembly

Index No.	Part No.		Description
1.	47-031455-001	N.A.	Ball Accelerator Frame
	47-275705-009	R.O.	Ball Accelerator Frame (208/230V)
	*47-275706-009	N.A.	Ball Accelerator Pkg. (380V)
2.	47-031248-004		Tension Spring
3.	47-031440-003		Tension Bar
4.	11-051703-001		Hex Nut (10 mm)
5.	11-053501-000		Key (5 mm x 5 mm x 25 mm)
6.	47-031454-002		Pivoting Lever
7.	47-031456-004		Axle
8.	11-052926-001		Flat Hd. Cap Screw (10 mm x 20 mm)
9.	11-051045-001		Hex HD. Cap Screw (10 mm x 30 mm)
10.	11-051745-001		Locknut (10 mm)
11.	10-635127-000		Flat Belt
12.	***47-035232-002		Front Driving Drum Complete - Spacers not included
	*47-035234-004		Spacer - needed when replacing Driving Drum (2 each)
13.	47-035064-099		Rear Driving Drum Complete - spacers not included
	*47-035234-004		Spacer - needed when replacing Driving Drum (2 each)
14.	11-051015-001		Hex Hd. Cap Screw (8 mm x 25 mm)
15.	11-052028-001		Flat Washer (10.5 mm)
16.	11-052017-001		Flat Washer (8.4 mm)
17.	11-051744-001		Locknut (8 mm)
18.	11-052017-001		Flat Washer (8.4 mm)
19.	47-862787-000		Protective Cover (Pkg. of 4)
20.	11-052609-001	N.A.	Carriage Bolt (8 mm x 100 mm)
	47-861021-001	R.O.	Carriage Bolt (8 mm x 100 mm) Pkg. of 5
21.	11-680925-000	N.A.	Strain Relief
	11-055080-000	R.O.	Strain Relief
22.	68-100192-000	N.A.	Cable Assembly
	*47-142614-000		Cable Assembly (GS Consolidated Electronics)
23.	47-031309-001		Ball Rod
24.	53-520634-001		Transition Track (GS Accelerators to Return Track)
25.	11-051045-001		Hex Hd. Cap Screw (10 mm x 30 mm)
26.	11-051771-001		Lockwasher (10 mm)
27.	11-052018-001		Flat Washer (10.5 mm)
28.	47-031261-004		Spacer
29.	11-053577-000		Rubber Bumper (6 mm Thread)
30.	11-051028-001		Hex Hd. Cap Screw (6 mm x 25 mm)
31.	11-051702-001		Hex Nut (6 mm)
32.	47-031603-003		Motor Mounting Bracket
33.	11-051769-001		Lockwasher (6 mm)
34.	11-051704-001		Hex Nut (8 mm)
35.	47-031604-004		Shaft
36.	11-051805-001		Split Pin (2.5 mm x 20 mm)
37.	47-031307-004		Angle Bracket
38.	11-051743-001		Locknut (6 mm)
39.	99-010123-004		Bushing
40.	47-031453-004		Spring Bracket
41.	99-020163-004		Spring
42.	**47-033867-004		Motor Drive Pulley
43.	11-053904-000		V-Belt (10 mm x 6 mm x 950 mm, 50Cy, export only)
	11-053907-000		V-Belt (10 mm x 6 mm x 925 mm) 60Cy - domestic only)
44.	11-052804-001		Set Screw (16 mm x 8 mm)
45.	11-051018-001		Hex Hd. Cap Screw (6 mm x 20 mm)
46.	11-052048-001		Flat Washer (6.4 mm)
47.	99-040113-002	N.A.	Ball Accelerator Motor (1/2 H.P., 230VAC/380VAC)
	99-076363-000	R.O.	Distributor Motor (1/2 H.P., 240/400VAC) w/Integral Brake
	99-040295-004	N.A.	Accelerator Motor (1/2 H.P., 208VAC)
	99-076362-000	R.O.	Distributor Motor (208VAC, 0.37kW)
48.	47-032500-004		Ball Stop (for welded configuration)
49.	47-032125-003		Guard Bracket
50.	47-032126-003		Ball Stop
51.	47-033504-004		Flat Belt Guard Complete
52.	11-052610-001	N.A.	Carriage Belt (6 mm x 20 mm)
53.	11-051770-001		Lockwasher (8 mm)
54.	47-022519-000	N.A.	Ball Wipe w/Sleeve
	47-022519-002	N.A.	Sleeve only
55.	47-030924-003		Drive Disc

N.A. = No Longer Available

* Not Illustrated
** Replaces 47-031306-004 Motor Drive Pulley
*** Replaces 47-035063-009 Front Drive Drum

Ball Accelerator



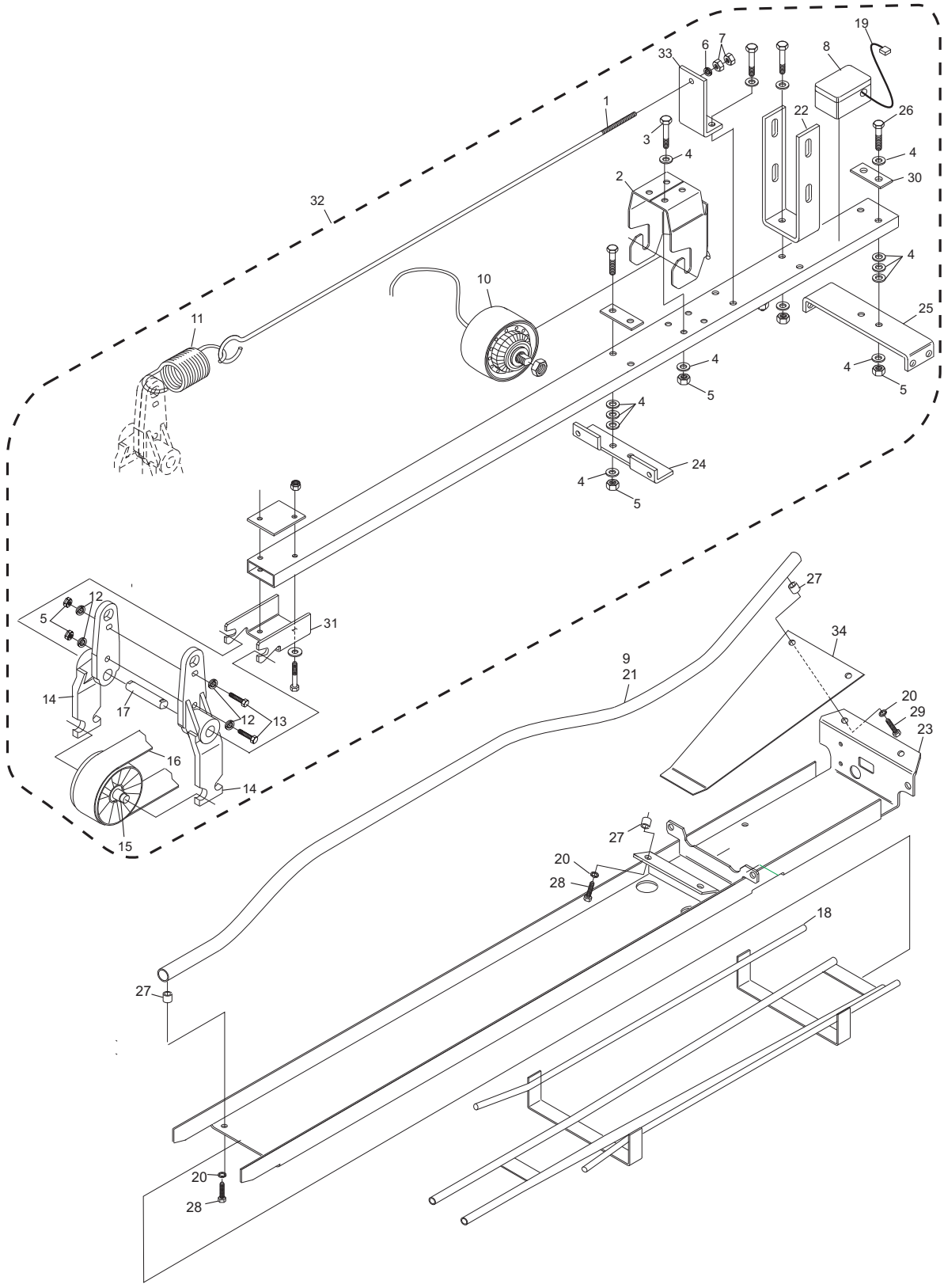
Ball Accelerator

Index No.	Part No.		Description
1.	47-035236-003		Tension Rod
2.	47-035226-002		Motor Support Bracket
3.	11-051071-000		Hex Head Cap Screw (10 mm x 60 mm)
4.	11-052050-001		Flat Washer (10.5)
5.	11-051745-001		Locknut (10 mm)
6.	11-052019-001		Flat Washer (8.4)
7.	11-051704-001		Nut (8 mm)
8.	47-035600-004		Terminal Box w/Cable
9.	47-862787-000		Protective Cover - Pkg. of 4
10.	99-030363-004		Accelerator Motor/Rear Drive Drum Assembly w/Cable (208/230/380 VAC)
11.	47-031248-004		Tension Spring
12.	11-052018-001		Flat Washer (10.5 mm)
13.	11-051020-001	N.A.	Hex Head Screw (M8 x 150 mm)
14.	47-031454-002		Pivot Lever
15.	47-035232-002		Front Driving Drum Complete - spacers not included
	*47-035234-004		Spacer - needed when replacing Driving Drum Complete (2 each)
16.	10-635127-000		Flat Belt
17.	47-035230-004		Axle
18.	53-520634-001		Metric Transition Track (GS Accelerators to Return Track)
19.	47-035600-004		Terminal Box
20.	11-051771-001		Lockwasher (10 mm)
21.	47-035303-009	S.O.	Ball Rod w/Cover
22.	47-035225-003		Bracket (locking mechanism)
23.	47-035211-001		Bottom Accelerator Plate
24.	47-035229-002		Front Bracket
25.	47-035228-003		Rear Bracket
26.	11-051093-001		Mounting Screw (10 mm x 75 mm)
27.	47-035214-004	N.A.	Spacer
	47-860014-000	R.O.	Spacer (Qty. of 5)
28.	11-051045-001		Hex Hd. Cap Screw (10 mm x 30 mm)
29.	11-051078-001	N.A.	Hex Hd. Cap Screw (10 mm x 40 mm)
30.	47-035344-004		Shim Plate
31.	47-035231-002	N.A.	Holder for Roll Lever
32.	47-035601-001	S.O.	Drive Frame - Complete
33.	47-035235-003	N.A.	Bracket
34.	47-035351-003		Accelerator Plate

N.A. = No Longer Available
S.O. = Special Order

** = Not Illustrated*

GS-X/CPO Ball Accelerator



GS-X/CPO Ball Accelerator

Index No.	Part No.		Description
1.	*47-031054-002		Ball Door
2.	11-051018-001		Hex Hd. Cap Screw (6 mm x 20 mm)
3.	11-051743-001		Locknut (6 mm)
4.	11-051793-001		Cotter Pin (2 mm x 16 mm)
5.	11-051067-001		Hex Hd. Cap Screw (8 mm x 35 mm)
6.	11-430046-000		Bearing
7.	11-051060-001		Hex Hd. Cap Screw (6 mm x 70 mm)
8.	11-051061-001		Hex Hd. Cap Screw (8 mm x 75 mm)
9.	47-031090-004		Support Brace
10.	*47-031058-001		Arm - all GS pinsetters - see note
11.	11-051008-001		Hex Hd. Cap Screw (6 mm x 10 mm)
12.	11-051744-001		Locknut (8 mm)
13.	47-031822-004		Lever
14.	47-031056-003		L.H. Ball Door Key
15.	47-031055-003		R.H. Ball Door Key
16.	47-034767-004		Tension Spring
17.	47-031091-004		Shaft
18.	11-053478-001	N.A.	Speed Nut (8 mm)
	47-861050-000	R.O.	Speed Nut (8 mm) Pkg. of 10
19.	47-031302-004		Ball Door Shaft (Pre GS-X Pinsetters)
	47-034843-004		Shaft - Threaded End
20.	11-053477-001		Speed Nut (7 mm)
21.	11-053616-001		Stop Collar (15 mm)
22.	11-052807-001		Set Screw (6 mm x 12 mm)
23.	47-031797-002		Locking Bolt
24.	47-031800-004		Pivot Link
25.	11-053480-001		Speed Nut (10 mm)
26.	99-060133-004		Plunger Only
27.	11-051021-001		Hex Hd. Cap Screw (10 mm x 35 mm)
28.	11-052028-001		Flat Washer (10.5 mm)
29.	11-051745-001		Locknut (10 mm)
30.	47-031796-002		Holder
31.	11-051742-001		Locknut (5 mm)
32.	11-680116-000		Connector - Male
33.	**99-060219-004		Solenoid Assembly Complete (red box)
34.	11-051068-001		Hex Hd. Cap Screw (5 mm x 65 mm)
35.	11-052039-001		Flat Washer (5.3 mm)
36.	47-031801-004		Connecting Link
37.	11-051791-001		Split Pin (1.6 mm x 10 mm)
38.	47-031799-004		Tension Spring
39.	47-031798-004		Connecting Stud
40.	47-031802-004		Lever
41.	47-033558-009		R.H. Locking Mechanism Complete
42.	***47-033557-009		L.H. Locking Mechanism
43.	**47-243030-004	N.A.	Solenoid Assembly Complete (silver box, consolidated box, and nexgen electronics)
	99-070356-004	R.O.	Solenoid Assembly
44.	47-033556-009		R.H. Ball Door with Arm Complete 7 Pin Side, R.H. Even Lane (shown)
45.	47-033555-009		L.H. Ball Door with Arm Complete 10 Pin Side L.H. Odd Lane (not shown)
46.	47-030276-004		Ball Door Arm Tension Spring
47.	11-054301-001	N.A.	Hitch Pin (3 mm x 62 mm)
	47-861032-001	R.O.	Hitch Pin (3 mm x 62 mm) Pkg. of 10
48.	11-680302-000	N.A.	Terminal - Male
	57-860032-000	R.O.	Terminal - Male (Pkg. of 10)
49.	11-680301-000	N.A.	Terminal - Female
	57-860031-000	R.O.	Terminal - Female (Pkg. of 20)
50.	11-680216-000		Connector - Female
51.	11-055253-001		Special Lockwasher (6 mm)
52.	11-053157-001		Jam Nut (14 mm)
53.	47-035238-004		Ball Door Shaft (GS-X Pinsetters)
54.	11-054463-000	N.A.	EJOT Self Tapping Screw (KB30 x 7 mm)
55.	47-034842-004		Bushings

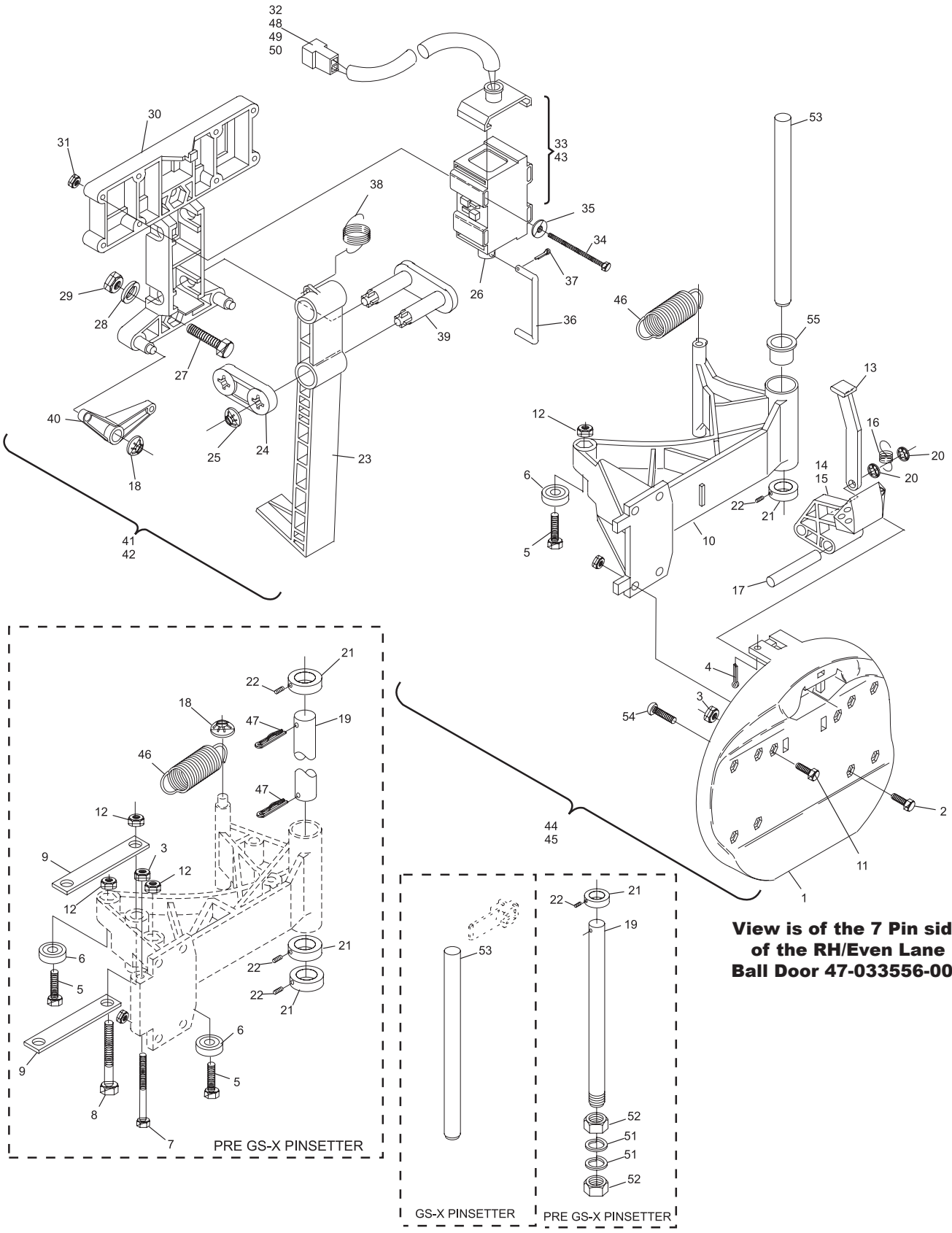
N.A. = No Longer Available
R.O. = Replacement Option

* Index Nos. 1 and 10 are inverted for use in both left-hand and right-hand machines.

** Does not include Plunger, 99-060133-004

*** For older ball door arms with steel support braces (series 169, to series 419) change these arms on both ball doors of a pair.

Ball Door/Lock Assembly



Ball Door/Lock Assembly

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Section E

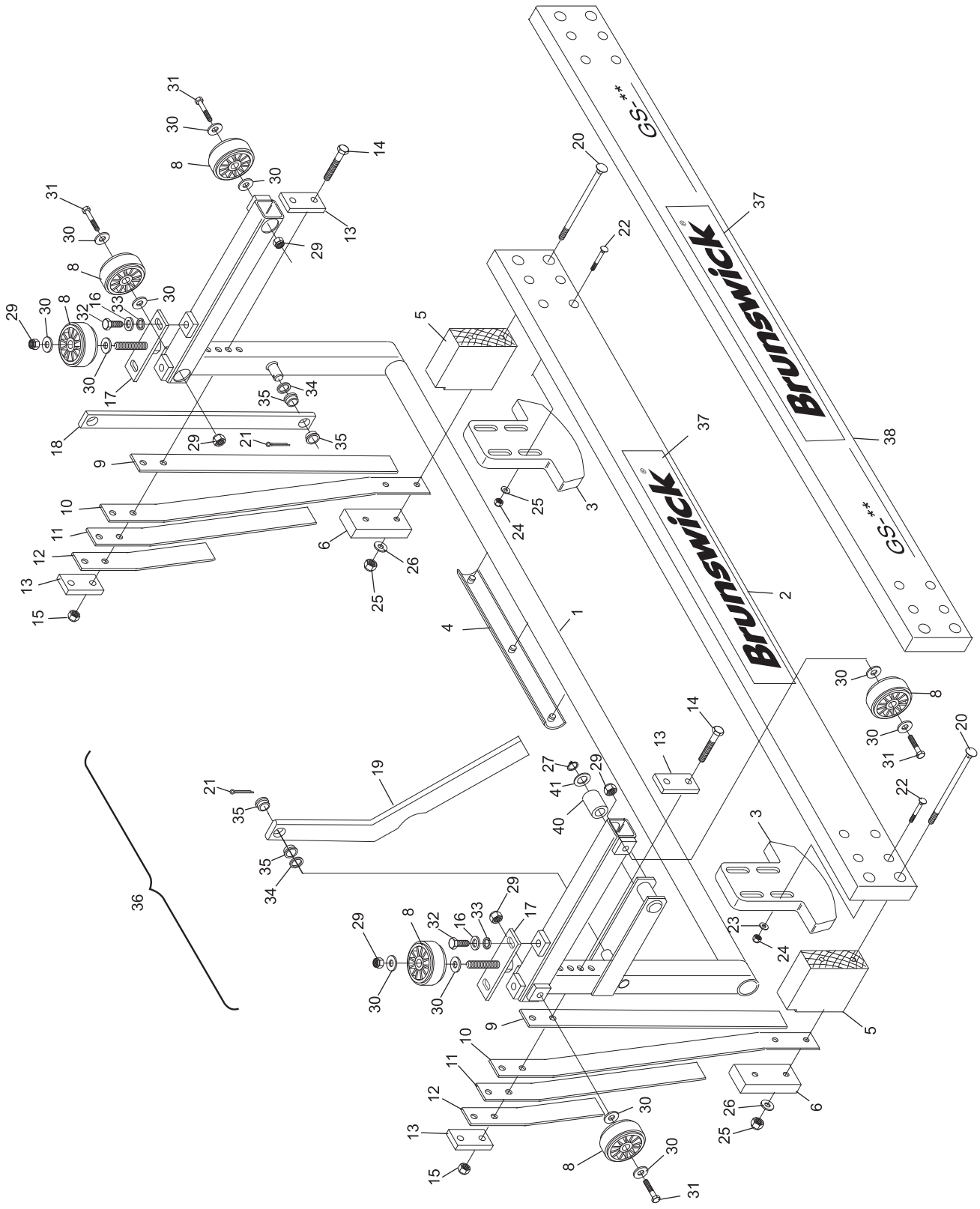
SWEEP WAGON

Index No.	Part No.		Description
1.	47-042058-002		Sweep Wagon Frame only (uses Leaf Springs)
	N.A.		Sweep Wagon Frame w/o Leaf Springs
2.	47-041769-003		Sweep Board Only (brown for GS-10, GS-92 or GS-96)
3.	47-041721-002		Gutter Adapter
4.	47-041636-004		Protection Strip
5.	47-041750-004		Spacer
6.	47-041751-004		Protector
7.	46-040170-004		Roller
8.	99-040249-004		Plastic Roller Assembly
9.	47-041737-004		Retaining Flat Spring
10.	47-041734-004		Flat Spring
11.	47-041735-004		Flat Spring
12.	47-041736-004		Flat Spring
13.	47-041738-004		Flat Spring
14.	11-051013-001		Hex Hd. Cap Screw (10 mm x 90 mm)
15.	11-051745-001		Locknut (10 mm)
16.	11-051770-001		Lockwasher (8 mm)
17.	47-041774-004		Bracket
18.	47-041526-003	N.A.	R.H. Pusher Rod
19.	47-042056-003		L.H. Pusher Rod (shown)
20.	11-052608-001		Carriage Bolt (8 mm x 150 mm)
21.	11-051792-001		Split Pin (3.2 mm x 28 mm)
22.	11-052607-001		Carriage Bolt (6 mm x 45 mm)
23.	11-052037-001		Flat Washer (6.4 mm)
24.	11-051743-001		Locknut (6 mm)
25.	11-051744-001		Locknut (8 mm)
26.	11-052006-001		Flat Washer (8.4 mm)
27.	11-051852-001		Retaining Ring (17 mm)
28.	*11-052012-001		Flat Washer (18 mm)
29.	11-051747-001		Locknut (12 mm)
30.	11-052024-001	N.A.	Flat Washer (13 mm)
	47-861010-001	R.O.	Flat Washer (13 mm) Pkg. of 20
31.	11-051070-001		Hex Hd. Cap Screw (12 mm x 60 mm)
32.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
33.	11-052003-001		Flat Washer (8.4 mm)
34.	11-052034-001		Flat Washer (15 mm)
	11-054103-001		Spacer Washer (16 mm)
35.	99-010103-004		Plastic Bearing
36.	47-041637-001		Sweep Wagon Assembly Complete
37.	47-042545-000	N.A.	Sweep Board Decal (GS-10)
	47-044692-004	N.A.	Sweep Board Decal (GS-92)
	47-044801-004		Sweep Board Decal (GS-96)
	47-045082-004		Sweep Board Decal (GS-98)
	47-045373-004		Sweep Board Decal (GS-X)
38.	47-044802-009		Sweep Board w/Felt (Brown)
	47-044927-003		Sweep Board only (Gray)
39.	*47-043772-004		Felt only
40.	46-040170-004		Roller
41.	11-052053-001		Flat Washer (17 mm)

N.A.= No Longer Available
R.O.= Replacement Option

* Not Illustrated

Sweep Wagon Assembly - with Springs



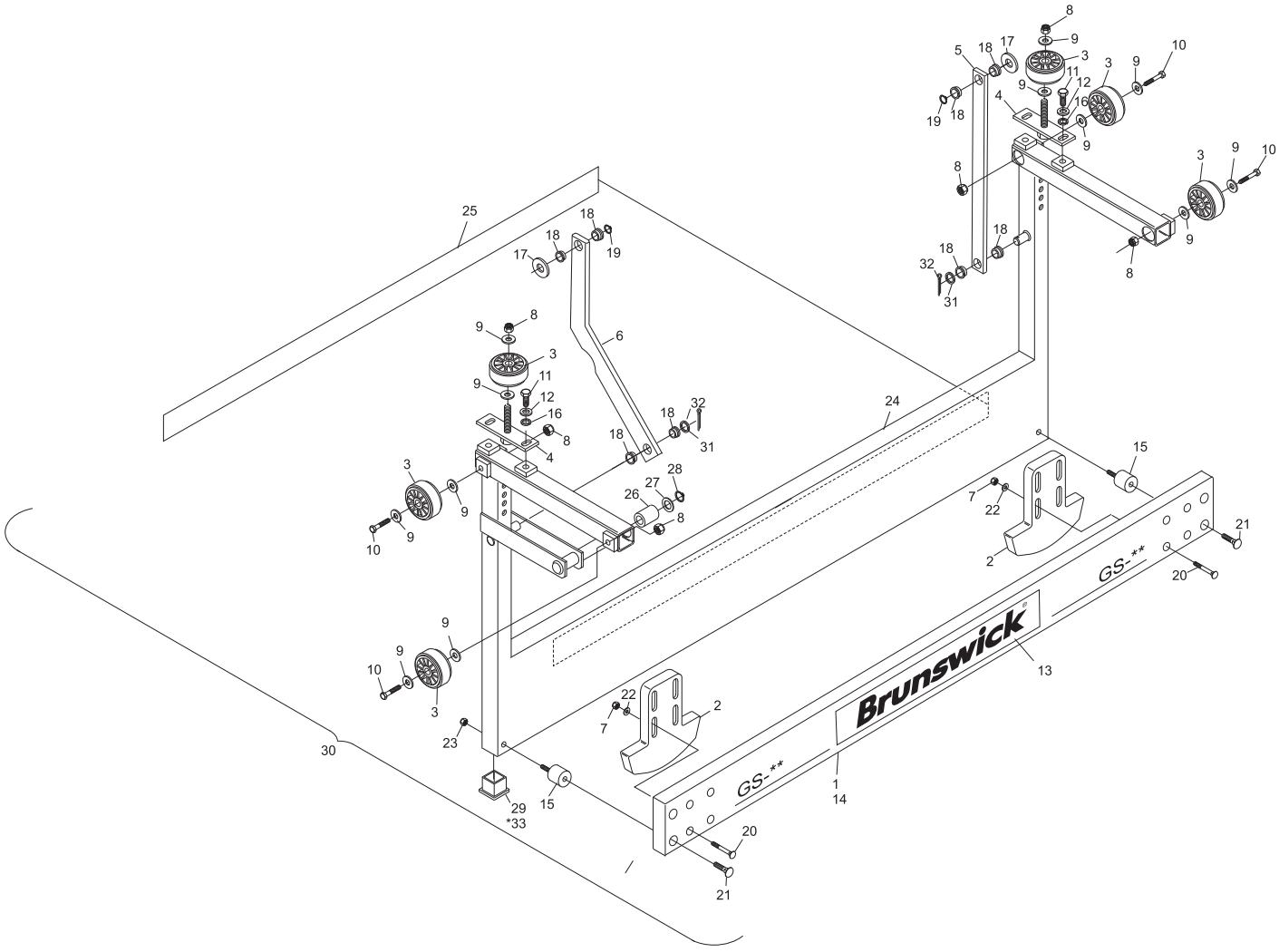
Sweep Wagon Assembly - with Springs

Index No.	Part No.		Description
1.	47-044927-003		Sweep Board Only (gray for GS-98, or GS-X)
2.	47-041721-002		Gutter Adapter
3.	99-040249-004		Plastic Roller Assembly
4.	47-041774-004		Bracket
5.	47-041526-004		R.H. Pusher Rod
6.	47-042056-003		L.H. Pusher Rod
7.	11-051745-001		Locknut (10 mm)
8.	11-051747-001		Locknut (12 mm)
9.	11-052024-001	N.A.	Flat Washer (13 mm)
	47-861010-001	R.O.	Flat Washer (13 mm) Pkg of 20
10.	11-051070-001		Hex Hd. Cap Screw (12 mm x 60 mm)
11.	11-051010-001		Hex Hd. Cap Screw (8 mm x 20 mm)
12.	11-052019-001		Flat Washer (8.4 mm)
13.	47-045082-004		Sweep Board Decal (GS-98)
	47-045373-004		Sweep Board Decal (GS-X)
14.	47-044802-009		Sweep Board w/Felt (Brown)
15.	47-044979-004		Rubber Bumper
16.	11-051770-001		Lockwasher (8 mm)
17.	11-052034-001		Flat Washer (15 mm)
18.	99-010103-004		Plastic Bearing
19.	11-051869-000		Retaining Ring (15 mm)
20.	11-052614-001		Carriage Bolt (6 mm x 40 mm)
21.	11-052601-001		Carriage Bolt (8 mm x 30 mm)
22.	11-052035-001		Flat Washer (10.5 mm)
23.	11-051744-001		Locknut (8 mm)
24.	47-045010-002		Sweep Wagon (Frame only)
25.	47-044976-004		Felt only
26.	46-040170-004		Roller
27.	11-052053-001	N.A.	Flat Washer (17 mm)
	47-861011-001	R.O.	Flat Washer (17 mm) Pkg of 10
28.	11-051852-001		Retaining Ring (17 mm)
29.	47-044978-004		Foot Cap - see index 33
30.	47-045013-009	S.O.	Sweep Wagon - Complete
31.	11-054103-001	N.A.	Shim Washer (16 mm)
	47-861029-001	R.O.	Shim Washer (16 mm x 28 mm x .5 mm) Pkg. of 10
32.	11-051786-001		Cotter Pin
33.	*47-862011-000		GS Sweep Foot Cap Upgrade Kit (includes 25 fastening pins, drill bit and instructions). Kit does not include foot caps and should be ordered as needed.

N.A. = No Longer Available
S.O. = Special Order

** Item Not Shown*

Sweep Wagon Assembly - without Springs (Machine Series 424 and Above)



Sweep Wagon Assembly - without Springs
(Machine Series 424 and Above)

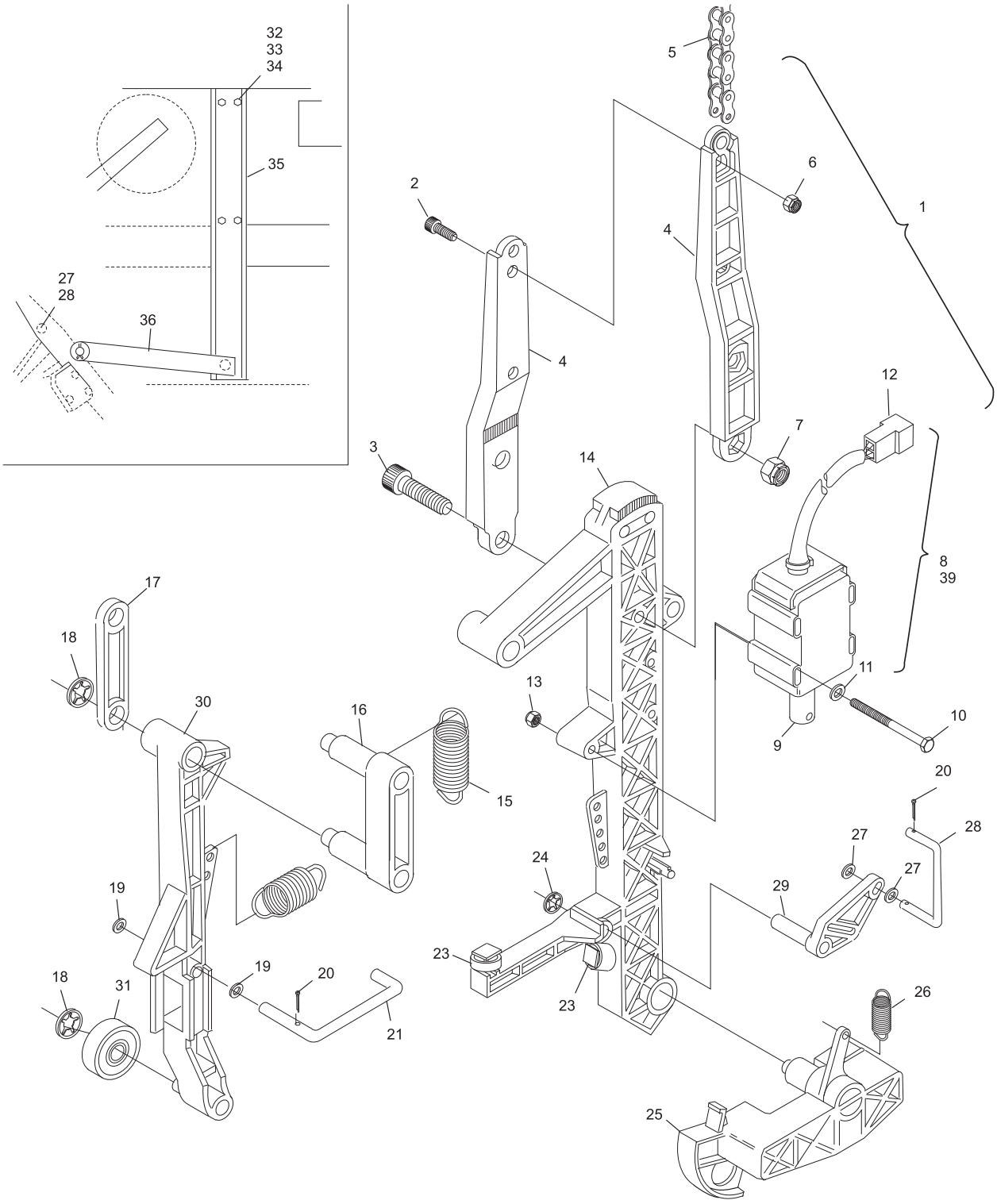
Index No.	Part No.		Description
1.	**47-045566-009		Sweep Release/Holder Complete (for Tower Down machine)
2.	11-051509-001		Socket Hd. Cap Screw (6 mm x 12 mm)
3.	11-051518-001		Socket Hd. Cap Screw (10 mm x 40 mm)
4.	47-041786-003		Yoke
5.	11-601005-000		Chain - Master Link Included (21 Link -Tower Up Machine)
	47-045487-004		Chain - Master Link Included (25 Link -Tower Down Machine)
6.	11-051743-001		Locknut (6 mm)
7.	11-051745-001		Locknut (10 mm)
8.	99-060219-004		Solenoid Assembly Complete (red box)
9.	99-060133-004		Plunger Only
10.	11-051063-001	N.A.	Hex Hd. Cap Screw (5 mm x 65 mm)
	47-861002-001	R.O.	Hex Hd. Cap Screw (5 mm x 65 mm) Pkg. of 20
11.	11-052039-001		Flat Washer (5.3 mm)
12.	N.A.		Plug Only
13.	11-051742-001		Locknut (5 mm)
14.	47-041793-001		Arm
15.	47-041792-004		Tension Spring
16.	47-041787-003		Spring Holder
17.	47-041976-004		Tie Plate
18.	11-053480-001		Speed Nut (10 mm)
19.	N.A.		Flat Washer (5.3 mm)
20.	11-051791-001		Split Pin (1.6 mm x 10 mm)
21.	47-045140-004		Connecting Link
22.	*47-041791-004		Tension Spring
23.	47-043790-004		Plastic Tube (12/16 x 12)
24.	11-053478-001	N.A.	Speed Nut (8 mm)
	47-861050-000	R.O.	Speed Nut (8 mm) Pkg. of 10
25.	47-041783-003		Tipper
26.	47-041790-004		Tension Spring
27.	11-052025-001		Flat Washer (4.3 mm)
28.	47-045139-004		Connecting Link w/Starlock
29.	47-041784-004		Lever
30.	47-041788-002		Swing Lever
31.	11-430006-000	N.A.	Bearing
32.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
33.	11-052003-001		Flat Washer (8.4 mm)
34.	11-054103-001		Spacer Washer (16 mm)
35.	47-040260-003		Sweep Guide Lever Pivot
36.	47-040283-003		Sweep Guide Lever
37.	*11-052024-001	N.A.	Flat Washer (13 mm)
	47-861010-001	R.O.	Flat Washer (13 mm) Pkg. of 10
38.	*11-051807-001		Cotter Pin (2 mm x 20 mm)
39.	*47-243030-004	N.A.	Solenoid Assembly
	99-070356-004	R.O.	Solenoid
40.	*11-052028-001		Flat Washer (10.5 mm)

N.A. = No Longer Available
R.O. = Replacement Option

* Not Illustrated
** When used with Tower Up pinsetter, remove 4 links as only 21 are needed

NOTE: Index No. 8 and index No. 39 do not include Index No. 9, Plunger

Sweep Release

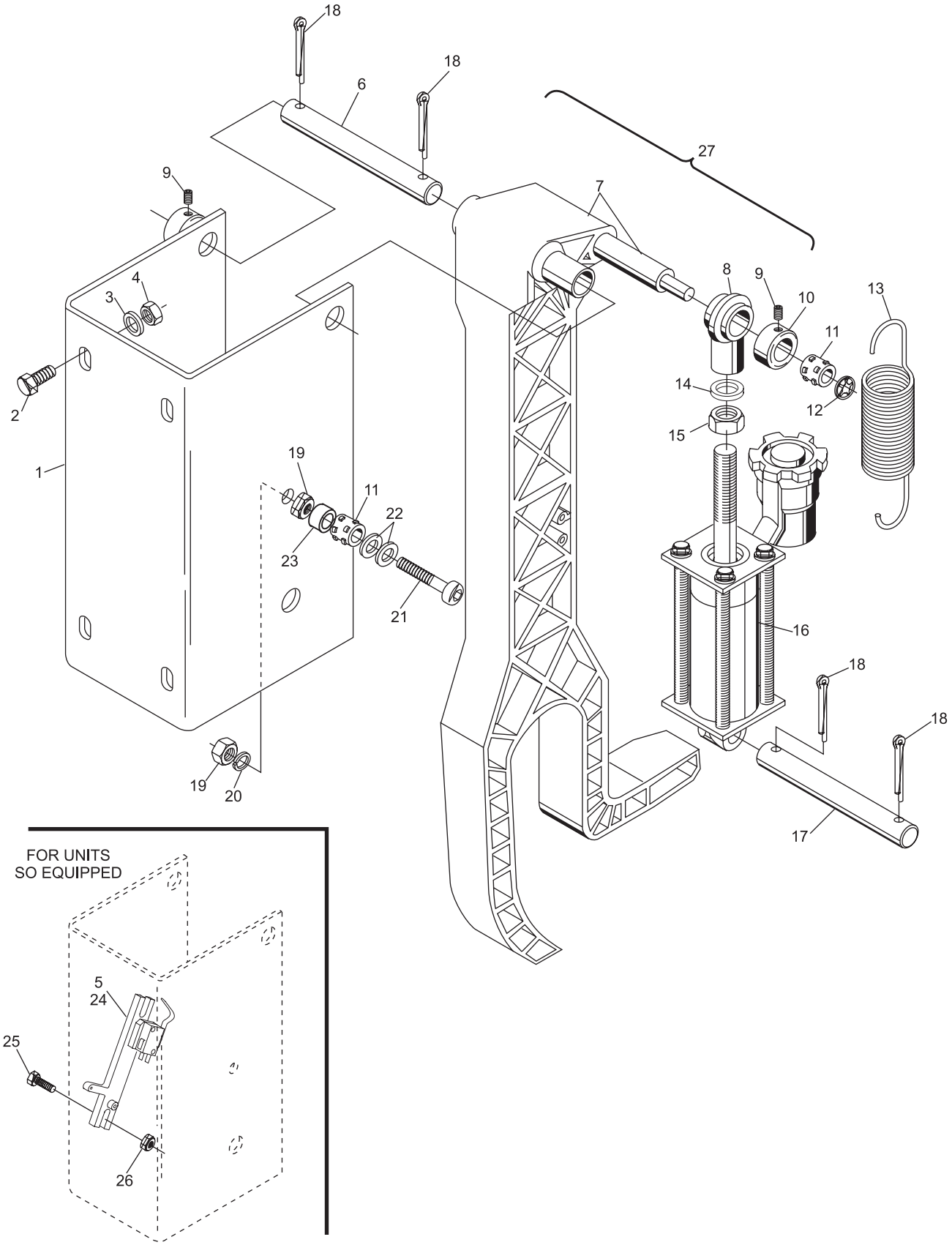


Sweep Release

Index No.	Part No.		Description
1.	47-041814-003		Holder
2.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
3.	11-052003-001		Flat Washer (8.4 mm)
4.	11-051744-001		Locknut (8 mm)
5.	47-243027-004		Switch (silver box, consolidated and nexgen) Switch Assembly
6.	47-043698-004		Top Shaft
7.	47-041816-001		Guide Hook
8.	99-040151-004		Connector Joint
9.	11-053101-000		Set Screw (6 mm x 8 mm)
10.	11-053616-001		Stop Collar (15 mm)
11.	47-041813-004		Bushing
12.	11-053480-001		Speed Nut (10 mm)
13.	47-081654-004		Tension Spring
14.	11-051772-001		Lockwasher (12 mm)
15.	11-053154-001		Jam Nut (12 mm)
16.	99-040400-002	N.A.	Sweep Attenuator Hydraulic Complete
	99-046122-000	R.O.	Hydraulic Sweep Wagon Assembly
17.	47-041812-004		Bottom Shaft (130 mm)
18.	11-051787-001		Split Pin (2 mm x 25 mm)
19.	11-051703-001		Hex Nut (10 mm)
20.	11-051771-001		Lockwasher (10 mm)
21.	11-051538-001		Socket Hd. Cap Screw (10 mm x 50 mm)
22.	11-052035-001		Flat Washer (10.5 mm)
23.	47-043583-004		Spacer
24.	99-050230-004		Switch (red box)
25.	11-052206-001		Cap Screw (4 mm x 25 mm)
26.	11-051741-001		Locknut (4 mm)
27.	N.A.		Sweep Attenuator Assembly Complete

N.A.= No Longer Available
R.O. = Replacement Option

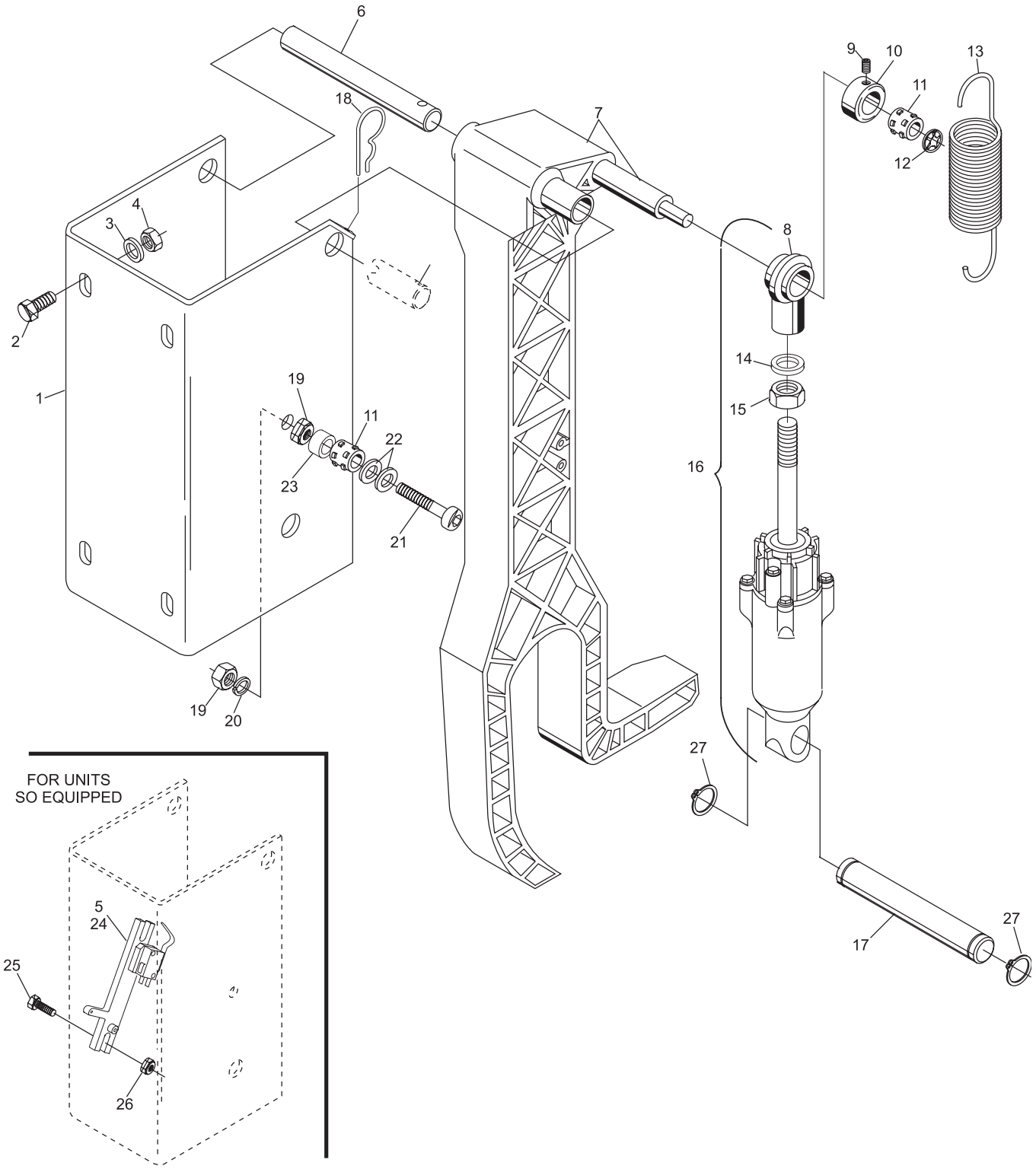
Pre GS-X
Sweep Attenuator Assembly



Pre GS-X
Sweep Attenuator Assembly

Index No.	Part No.		Description
1.	47-045372-003		Holder Support
2.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
3.	11-052003-001		Flat Washer (8.4 mm)
4.	11-051744-001		Locknut (8 mm)
5.	47-243027-004		Switch Assembly (silver box, consolidated and nexgen)
6.	47-045551-004		Top Shaft
7.	47-041816-001		Guide Hook
8.	99-040151-004		Connector Joint
9.	11-053101-000		Set Screw (6 mm x 8 mm)
10.	11-053616-001		Stop Collar (15 mm)
11.	47-041813-004		Bushing
12.	11-053480-001		Speed Nut (10 mm)
13.	47-081654-004		Tension Spring
14.	11-051772-001		Lockwasher (12 mm)
15.	11-053154-001		Jam Nut (12 mm)
16.	99-040400-002	N.A.	Sweep Attenuator Hydraulic Complete
	99-046122-000	R.O.	Hydraulic Sweep Wagon Assembly
17.	47-045484-004		Bottom Shaft (130 mm)
18.	11-054300-001		Cotter Pin (2 mm)
	11-054301-001	N.A.	Hitch Pin (3 mm x 25 mm)
19.	11-051703-001		Hex Nut (10 mm)
20.	11-051771-001		Lockwasher (10 mm)
21.	11-051538-001		Socket Hd. Cap Screw (10 mm x 50 mm)
22.	11-052035-001		Flat Washer (10.5 mm)
23.	47-043583-004		Spacer
24.	99-050230-004		Switch (red box)
25.	11-052206-001		Cap Screw (4 mm x 25 mm)
26.	11-051741-001		Locknut (4 mm)
27.	11-051861-000		Retaining Ring (18 mm)

N.A.= No Longer Available
R.O. = Replacement Option



GS-X
Sweep Attenuator Assembly

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Section F

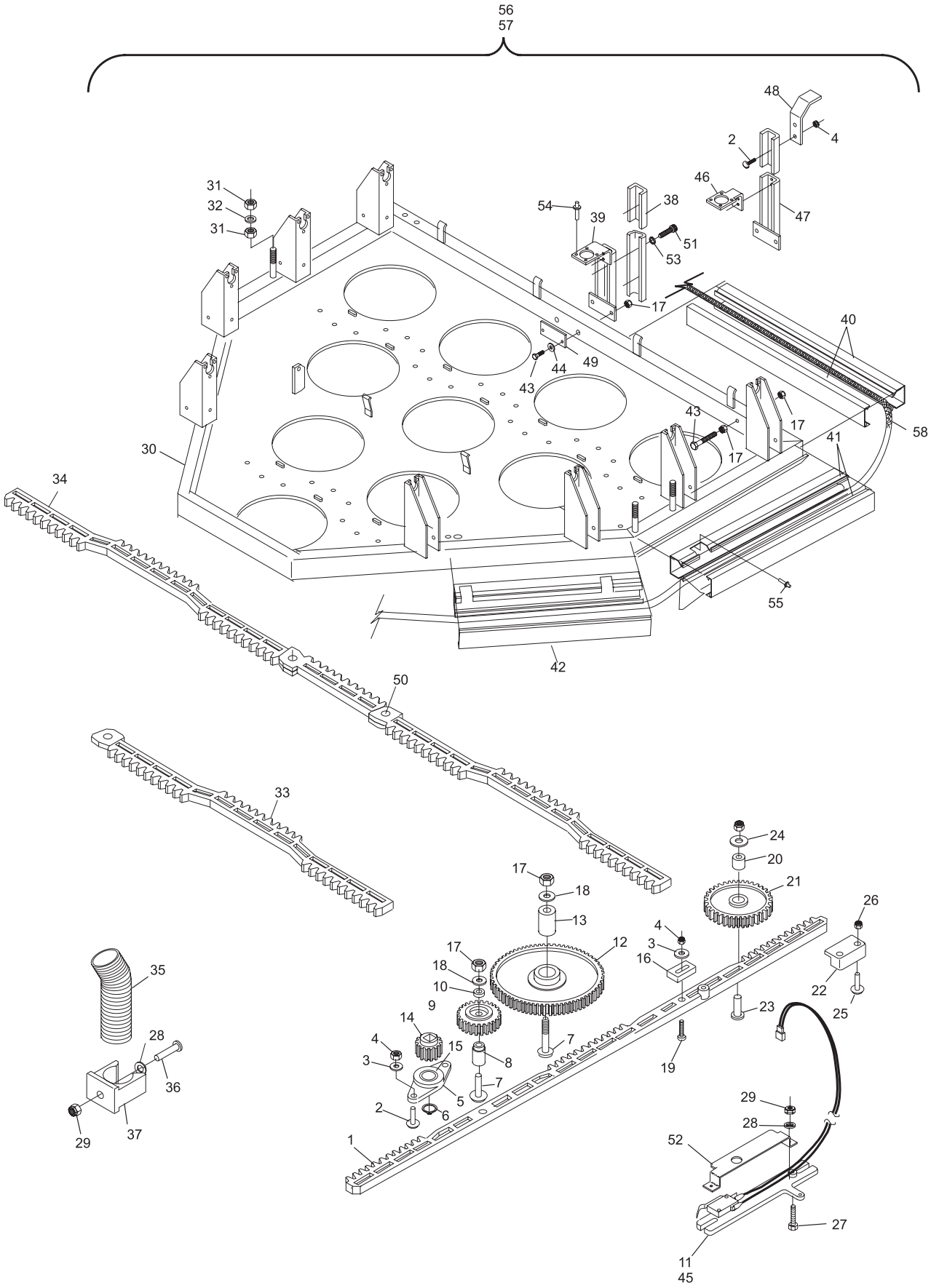
SETTING TABLE

Index No.	Part No.		Description
1.	47-051635-001		Geared Rack
2.	11-051880-001	N.A.	Truss Hd. Machine Screw (6 mm x 16 mm)
	47-861008-001	R.O.	Truss Hd. Machine Screw (6 mm x 16 mm) Pkg. of 10
3.	11-052008-001		Flat Washer (6.4 mm)
4.	11-051743-001		Locknut (6 mm)
5.	47-051625-004		Shaft Support
6.	11-051855-001		Retaining Ring (10)
7.	11-051878-001		Truss Hd. Machine Screw (8 mm x 45 mm)
8.	47-052021-004		Spacer Bushing
9.	47-052020-004		Gear
10.	47-052022-004		Spacer Ring
11.	99-050230-004		Switch Complete (red box)
12.	47-051616-004		Gear
13.	47-051617-004		Spacer Bushing
14.	47-071615-004		Square Shaft Gear
15.	11-430048-000		Bearing
16.	47-051682-004		Stop
17.	11-051744-001		Locknut (8 mm)
18.	11-052003-001		Flat Washer (8.4 mm)
19.	11-051028-001		Hex Hd. Cap Screw (6 mm x 25 mm)
20.	47-051633-004		Spacer Bushing
21.	47-051632-004		Gear
22.	47-051634-004		Holder
23.	11-051877-001		Truss Hd. Machine Screw (6 mm x 25 mm)
24.	11-052037-001		Flat Washer (6.4 mm)
25.	11-052362-001		Sltd. Pan Hd. Machine Screw (5 mm x 20 mm)
26.	11-051742-001		Locknut (5 mm)
27.	11-052353-001	N.A.	Sltd. Pan Hd. Machine Screw (4 mm x 16 mm)
	47-861017-001	R.O.	Sltd. Pan Hd. Machine Screw (4 mm x 16 mm) Pkg. of 20
28.	11-052021-001		Flat Washer (4.3 mm)
29.	11-051741-001		Locknut (4 mm)
30.	47-051875-001		Setting Table Frame
31.	11-051707-001		Hex Nut (16 mm)
32.	11-051774-001		Lockwasher (16 mm)
33.	47-051565-002		Toothed Rack (front)
34.	47-053513-009		Toothed Rack Complete (center)
35.	N.A.		Flexible Plastic Conduit (20 mm x 380 mm)
36.	11-052209-001		Sltd. Pan Hd. Screw (4 mm x 16 mm)
37.	47-054279-004		Conduit Clamp
38.	47-052396-004		Cable Channel
39.	47-052395-003		Plug Holder Bracket
40.	47-052425-003		Cable Channel
41.	47-052423-003		Cable Channel
42.	47-052424-003		Cable Channel
43.	11-051085-001	N.A.	Hex Hd. Cap Screw (8 mm x 45 mm)
	47-861003-001	R.O.	Hex Hd. Cap Screw (8 mm x 45 mm) Pkg. of 10
44.	11-051770-001		Lockwasher (8 mm)
45.	47-243027-004		Switch Complete (silver, consolidated and nexgen electronics box)
	99-050330-003	N.A.	Bracket Only
46.	47-051203-004		Plug Holder
47.	*N.A.		Cable Channel
48.	47-051522-004		Cable Guide
49.	47-051261-004		Stiffening Plate
50.	11-050301-000		Countersunk Hd. Rivet
51.	11-051509-001		Socket Hd. Cap Screw (6 mm x 12 mm)
52.	47-053812-004		Switch Protector
53.	11-051769-001		Lockwasher (6 mm)
54.	11-053661-000	N.A.	Rivet (3.2 mm x 9.5 mm)
55.	11-053660-000	N.A.	Rivet (3.2 x 7.4 mm)
	47-861025-000	R.O.	Blind Rivet (3.2 mm x 7.4 mm) Pkg. of 20
56.	N.A.		Setting Table Assembly Complete (GS-10 and GS-92, includes Pinholders, Spotting Tongs, & Cables)
57.	N.A.		Setting Table Assembly (GS-96 w/Smart Shark, includes Pinholders, Spotting Tongs, & Cables)
58.	47-243025-003		Setting Table Harness Complete (silver box, 4-pin connector)

N.A. = No Longer Available
R.O. = Replacement Option

* Replaced by Index Nos. 38 and 39.

GS-10 - GS-98 Setting Table and Gears



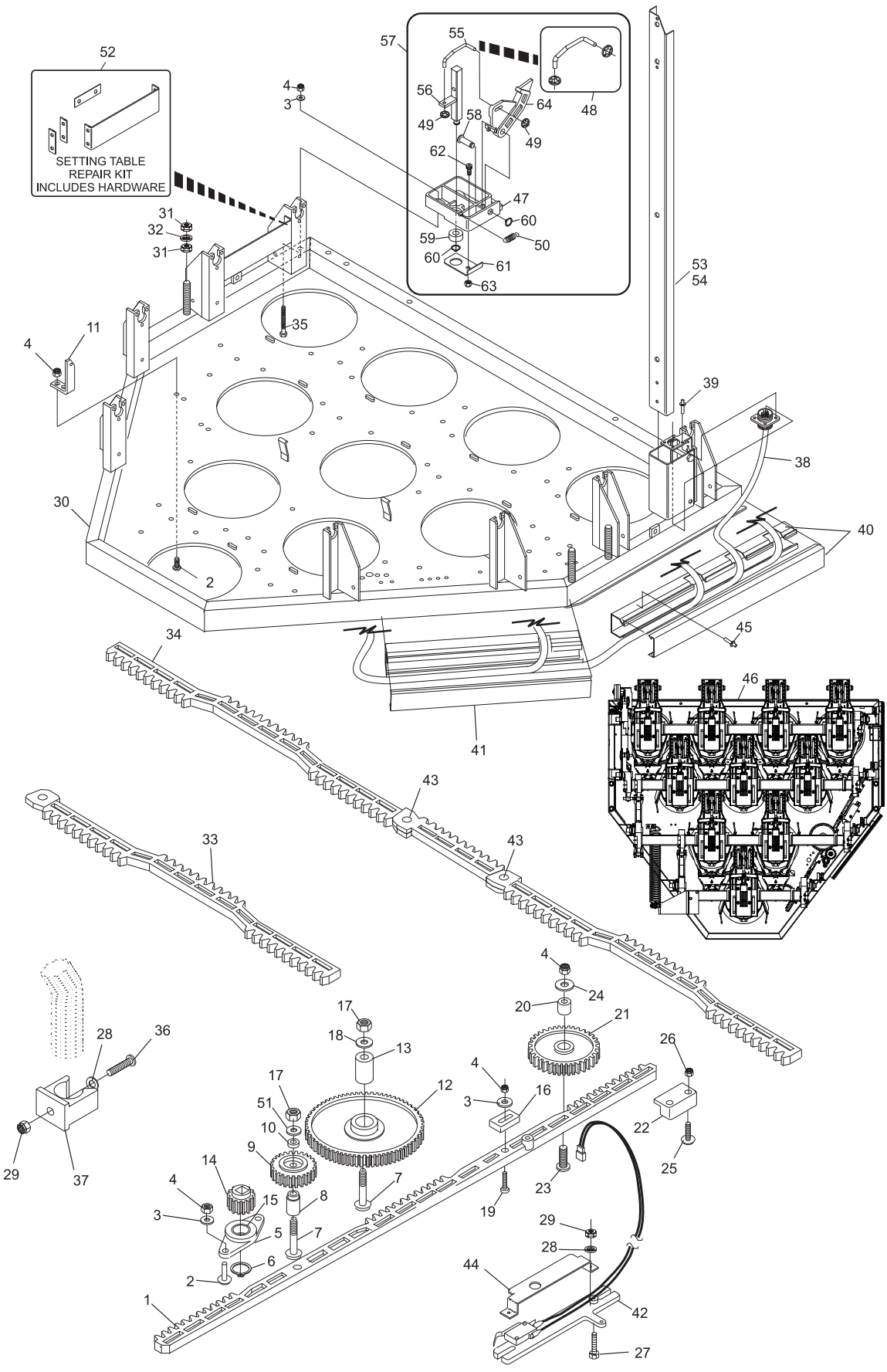
GS-10 - GS-98 Setting Table and Gears

Index No.	Part No.		Description
1.	47-051635-001		Geared Rack
2.	11-051880-001	N.A.	Truss Hd. Machine Screw (6 mm x 16 mm)
	47-861008-001	R.O.	Truss Hd. Machine Screw (6 mm x 16 mm) Pkg. of 10
3.	11-052008-001		Flat Washer (6.4 mm)
4.	11-051743-001		Locknut (6 mm)
5.	47-051625-004		Shaft Support
6.	11-051855-001		Retaining Ring (10 mm)
7.	11-051878-001		Truss Hd. Machine Screw (8 mm x 45 mm)
8.	47-052021-004		Spacer Bushing
9.	47-052020-004		Gear
10.	47-052022-004		Spacer Ring
11.	47-055347-004		Spring Holder Bracket
12.	47-051616-004		Gear
13.	47-051617-004		Spacer Bushing
14.	47-071615-004		Square Shaft Gear
15.	11-430048-000		Bearing
16.	47-051682-004		Stop
17.	11-051744-001		Locknut (8 mm)
18.	11-052019-001		Flat Washer (8.4 mm)
19.	11-051877-001		Truss Hd. Machine Screw (6 mm x 25 mm)
20.	47-051633-004		Spacer Bushing
21.	47-051632-004		Gear
22.	47-051634-004		Holder
23.	11-051877-001		Socket Hd. Machine Screw (6 mm x 25 mm)
24.	11-052037-001		Flat Washer (6.4 mm
25.	11-052362-001		Sltd. Pan Hd. Machine Screw (5 mm x 20 mm)
26.	11-051742-001		Locknut (5 mm)
27.	11-052353-001	N.A.	Sltd. Pan Hd. Machine Screw (4 mm x 16 mm)
	47-861017-001	R.O.	Sltd. Pan Hd. Machine Screw (4 mm x 16 mm) Pkg. of 20
28.	11-052021-001		Flat Washer (4.3 mm)
29.	11-051741-001		Locknut (4 mm)
30.	47-055177-001		Setting Table Frame
31.	11-051707-001		Hex Nut (16 mm)
32.	11-051774-001		Lockwasher (16 mm)
33.	47-051565-002		Toothed Rack (front)
34.	47-053513-009		Toothed Rack Complete (center)
35.	11-051060-001		Hex Head Cap Screw (6 mm x 70 mm)
36.	11-052209-001		Sltd. Pan Hd. Machine Screw (4 mm x 16 mm)
37.	47-054279-004		Conduit Clamp
38.	47-245164-001		Setting Table Harness - complete
39.	11-053661-000	N.A.	Rivet (3.2 mm x 9.5 mm)
40.	47-055169-003		Cable Channel - short
41.	47-055170-003		Cable Channel - long
42.	47-243027-004		Switch - complete (silver box, consolidated and nexgen)
	99-050330-003	N.A.	Bracket Only
43.	11-050301-000		Countersunk Head Rivet
44.	47-053812-004		Switch Protector
45.	11-053660-000	N.A.	Pop Rivet (3.2 mm x 7.4 mm)
	47-861025-000	R.O.	Blind Rivet (3.2 mm x 7.4 mm) Pkg. of 20
46.	*47-055166-009		GS-X Setting Table Assembly - Complete (includes Pinholders, Spotting Tongs, and Cables)
47.	47-051621-003		Base
48.	47-055138-004		Connecting Link w/Speed Nuts
49.	11-053476-001		Speed Nut
50.	47-051782-004		Tension Spring
51.	11-052017-001		Flat Washer (8.4 mm)
52.	47-275620-009		Setting Table Repair Kit
53.	47-055167-003		Cable Guide
54.	**47-861052-000		Cable Guide Clips, Pkg of 10 - (not shown)
55.	47-055137-004		Connecting Link - only
56.	47-055127-004		Drive Shaft
57.	47-055150-009		Drive Shaft - Assembly
58.	47-055151-004		Pin
59.	11-430046-000		Bearing
60.	11-051854-000		Retaing Ring (8 mm)
61.	47-055605-004		Bearing Plate
62.	11-051522-001		Socket Head Cap Screw (M5 x 16 mm)
63.	11-051742-001		Locknut(5 mm)
64.	47-051674-004		Latch

* Does not include index 53.
** Not Illustrated.

N.A. = No Longer Available
R.O. = replacement Option

GS-X/CPO Setting Table and Gears (Series 424 and Above)

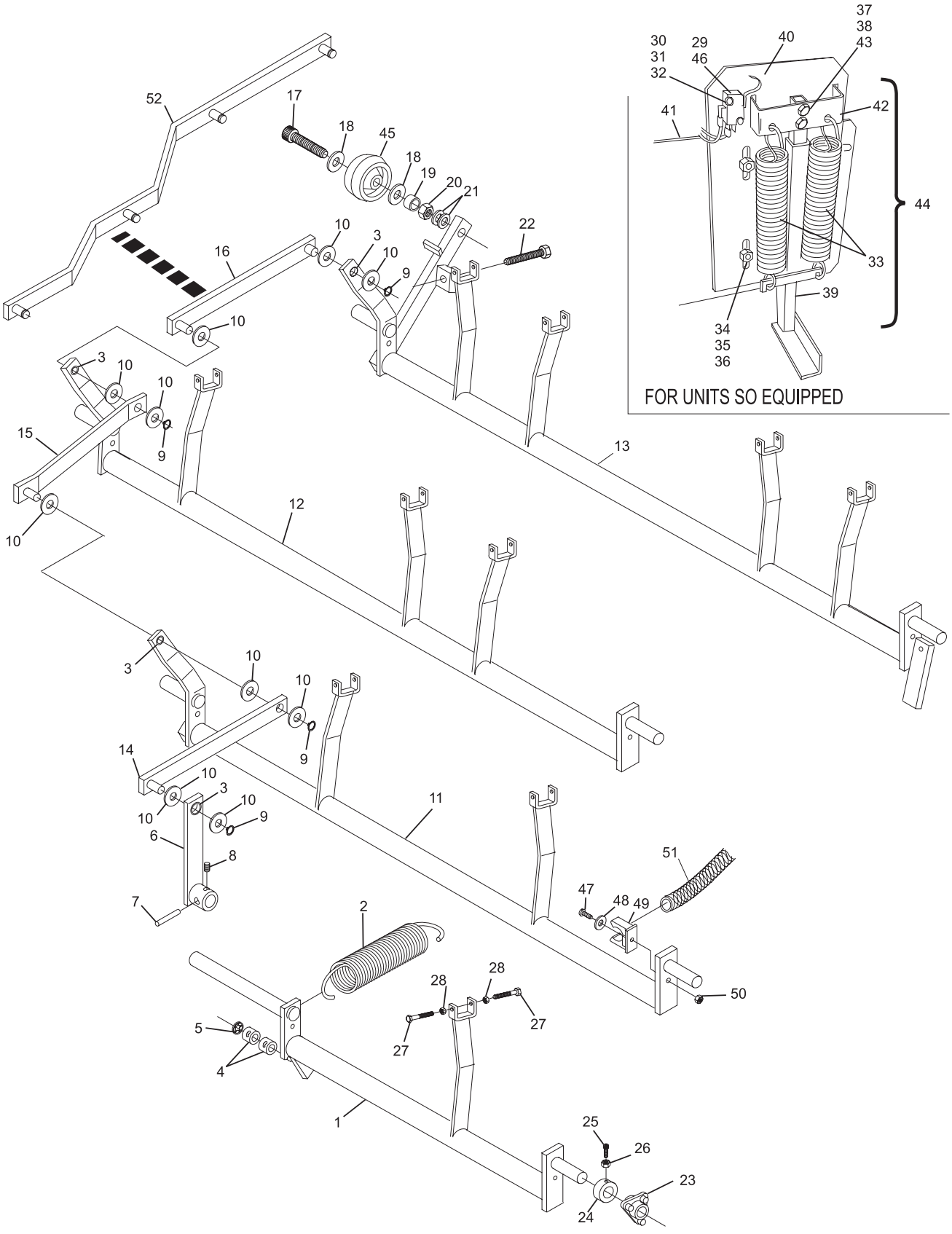


GS-X/CPO Setting Table and Gears
(Series 424 and Above)

Index No.	Part No.		Description
1.	47-051658-002		No. 1 Swing Shaft
2.	47-052240-004		Table Spring
3.	99-010124-004		Bearing
4.	47-041813-004		Bushing
5.	11-053480-001		Speed Nut (10 mm)
6.	47-051660-004		Pivot Lever
7.	11-052678-001		Rolled Pin (5 mm x 36 mm)
8.	11-052801-001		Set Screw (6 mm x 6 mm)
9.	11-051851-001		Retaining Ring (12 mm)
10.	11-054101-001	N.A.	Spacer Washer
11.	47-051657-002		No. 2 Swing Shaft
12.	47-051656-002		No. 3 Swing Shaft
13.	47-051655-002		No. 4 Swing Shaft
14.	N.A.		No. 1 Connecting Rod
15.	N.A.		No. 2 Connecting Rod
16.	N.A.		No. 3 Connecting Rod
17.	11-051545-001	N.A.	Socket Hd. Cap Screw (12 mm x 70 mm)
	47-861010-001	R.O.	Socket Hd. Cap Screw (12 mm x 70 mm) Pkg. of 20
18.	11-052024-001		Flat Washer (13 mm)
19.	47-051681-004		Spacer
20.	11-051706-001		Hex Nut (12 mm)
21.	11-052032-001		Flat Washer (13 mm)
22.	11-051012-001		Hex Hd. Cap Screw (10 mm x 70 mm)
23.	46-050305-004		Bearing
24.	11-053619-001		Stop Collar (20 mm)
25.	11-051514-001		Socket Hd. Cap Screw (6 mm x 16 mm)
26.	11-051702-001		Hex Nut (6 mm)
27.	11-051027-001		Hex Hd. Cap Screw (5 mm x 40 mm)
28.	11-051701-001		Hex Nut (5 mm)
29.	47-073534-004		Switch (red box)
30.	11-053352-001		Pan Hd. Screw (3 mm x 20 mm)
31.	11-052055-001	N.A.	Flat Washer (3.2 mm)
	47-861013-001	R.O.	Flat Washer (3.2 mm) Pkg. of 20
32.	11-051746-001		Locknut (3 mm)
33.	47-081654-004		Tension Spring
34.	11-052003-001		Flat Washer (8.4 mm)
35.	11-051010-001		Hex Hd. Cap Screw (8 mm x 20 mm)
36.	11-051744-001		Locknut (8 mm)
37.	11-051001-001		Hex Hd. Cap Screw (6 mm x 12 mm)
38.	11-051769-001		Lockwasher (6.1 mm)
39.	47-082398-004		Table Jam Switch Actuator Arm
40.	47-082397-003		Switch Plate
41.	47-082324-003	N.A.	Bracket
42.	47-082329-004	N.A.	Table Jam Switch Actuator Spring Bracket
43.	47-082331-004	N.A.	Nut Plate
44.	47-082323-001		Table Jam Switch Assembly Complete
45.	47-051295-004		Roller
46.	47-243028-004		Switch (silver, consolidated and nexgen electronics box)
47.	11-052209-001		Slotted Cheese Head Screw (4 mm x 16 mm)
48.	11-052021-001		Flat Washer (4.3 mm)
49.	47-054279-004		Conduit Clamp
50.	11-051741-001		Locknut (4 mm)
51.	N.A.		Flexible Plastic Conduit (20 mm x 380 mm)
52.	47-055116-003		One-Piece Connecting Rod

N.A. = No Longer Available
R.O. = Replacement Option

GS-10 - GS-98 Setting Table Swing Shafts



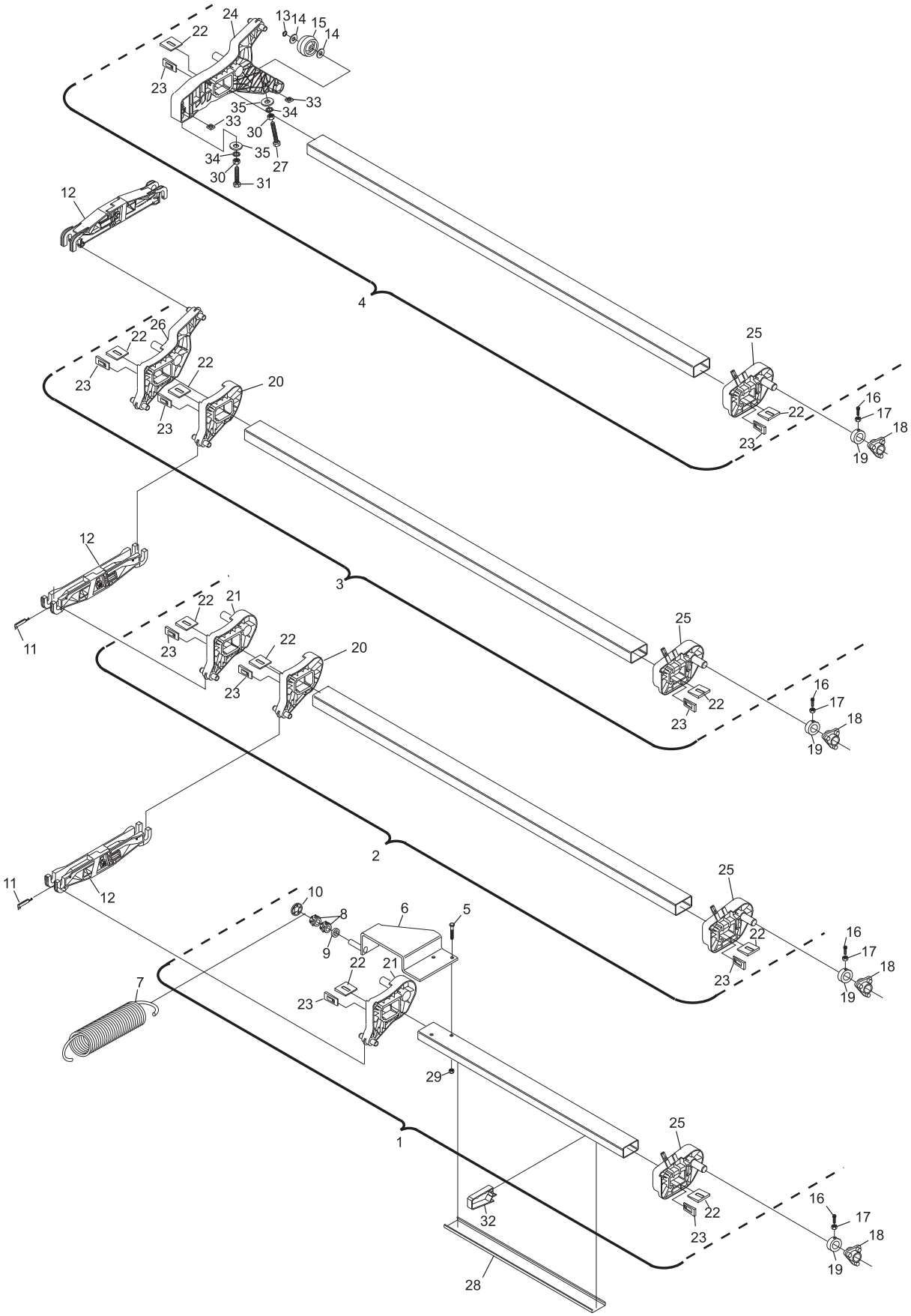
GS-10 - GS-98 Setting Table Swing Shafts

Index No.	Part No.		Description
1.	47-055316-002		Shaft Assembly
2.	47-055318-002		Shaft Assembly
3.	47-055324-002		Shaft Assembly
4.	47-055326-002		Shaft Assembly
5.	11-051007-001		Hex Hd. Cap Screw (6mm x 40 mm)
6.	47-055321-003		Spring Bracket
7.	47-052240-004		Tension Spring
8.	47-041813-004		Bushing
9.	47-071162-004		Spacer Bushing
10.	11-053480-001		Speed Nut (10 mm)
11.	47-054997-003		Pin
12.	47-055002-002		Link Assembly
13.	11-051851-000		Retaining Ring
14.	11-052024-001	N.A.	Flat Washer (13 mm)
	47-861010-001	R.O.	Flat Washer (13 mm) Pkg. of 20
15.	47-051295-004		Roller
16.	11-051522-001		Socket Hd. Cap Screw (5 mm x 16 mm)
17.	11-051701-001		Hex Nut (5 mm)
18.	46-050305-004		Plastic Bearing
19.	47-055009-004		Stop Collar
20.	47-054992-002		Lever
21.	47-054991-001		Lever
22.	47-055320-003		Wedge (large)
23.	47-055319-003		Wedge (small)
24.	47-054989-001		Lever (7-10 pin)
25.	47-054993-001		Lever
26.	47-054990-001		Lever
27.	11-051054-001		Hex Head Cap Screw (8 mm x 60 mm)
28.	*47-055332-004		Channel Cover (1030 mm)
29.	11-051743-001		Lock Nut (6 mm)
30.	11-051704-001		Hex Nut (8 mm)
31.	11-051026-001		Hex Head Cap Screw (8 mm x 40 mm)
32.	47-055327-001		Cable Support/Holder
33.	11-055900-001		Square Nut (8 mm)
34.	11-051770-001		Lockwasher (8 mm)
35.	11-052003-001		Flatwasher (8.4 mm)

N.A. = No Longer Available
R.O.= Replacement Option

* Channel Cover is 1030 mm long. Cut to fit index number 1, 2, 3 or 4 as *necessary.*

GS-X/CPO Setting Table Swing Shafts

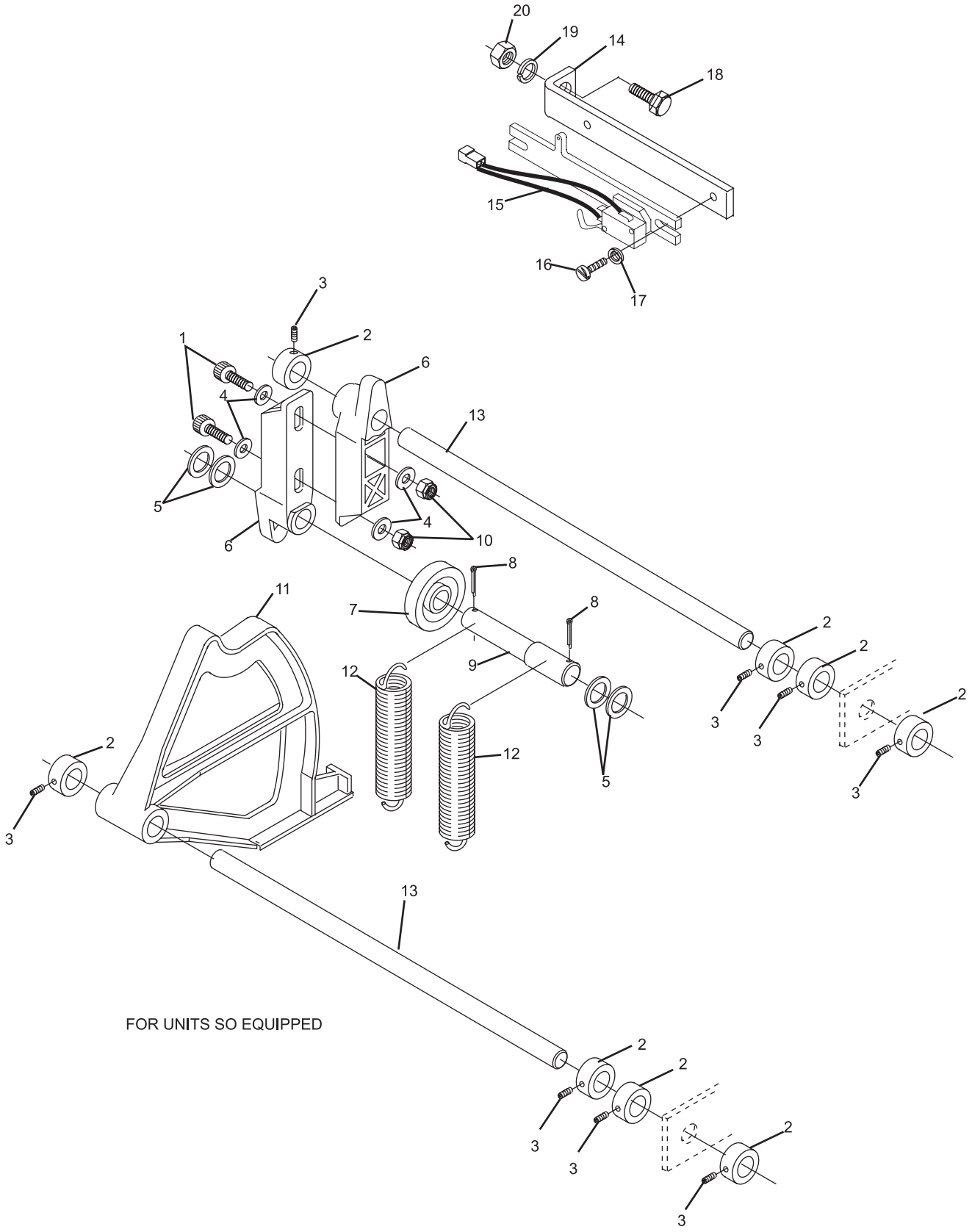


GS-X/CPO Setting Table Swing Shafts

Index No.	Part No.		Description
1.	11-051515-001		Socket Hd. Cap Screw (6 mm x 18 mm)
2.	11-053616-001		Stop Collar (15 mm)
3.	11-052801-001		Set Screw (6 mm x 6 mm)
4.	11-052048-001		Flat Washer (6.4 mm)
5.	11-052036-001		Flat Washer (15 mm)
6.	47-081650-004		Roller Lever
7.	47-081651-004	N.A.	Roller Wheel
8.	11-051786-001		Cotter Pin (2.5 mm x 25 mm)
9.	47-081652-004		Roller Shaft
10.	11-051743-001		Locknut (6 mm)
11.	47-081649-002		Cam
12.	47-081654-004		Tension Spring
13.	47-080744-004		Shaft
14.	47-081771-004	N.A.	Switch Bracket
15.	99-050230-004		Switch w/Connector Complete
16.	11-052201-001	N.A.	Slotted Machine Screw (4 mm x 10 mm)
17.	11-052025-001		Flat Washer (4.3 mm)
18.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
19.	11-051770-001		Lockwasher (8 mm)
20.	11-051704-001		Hex Nut (8 mm)

N.A. = No Longer Available

GS-10 Setting Table Switch Cam Assembly



GS-10 Setting Table Switch Cam Assembly

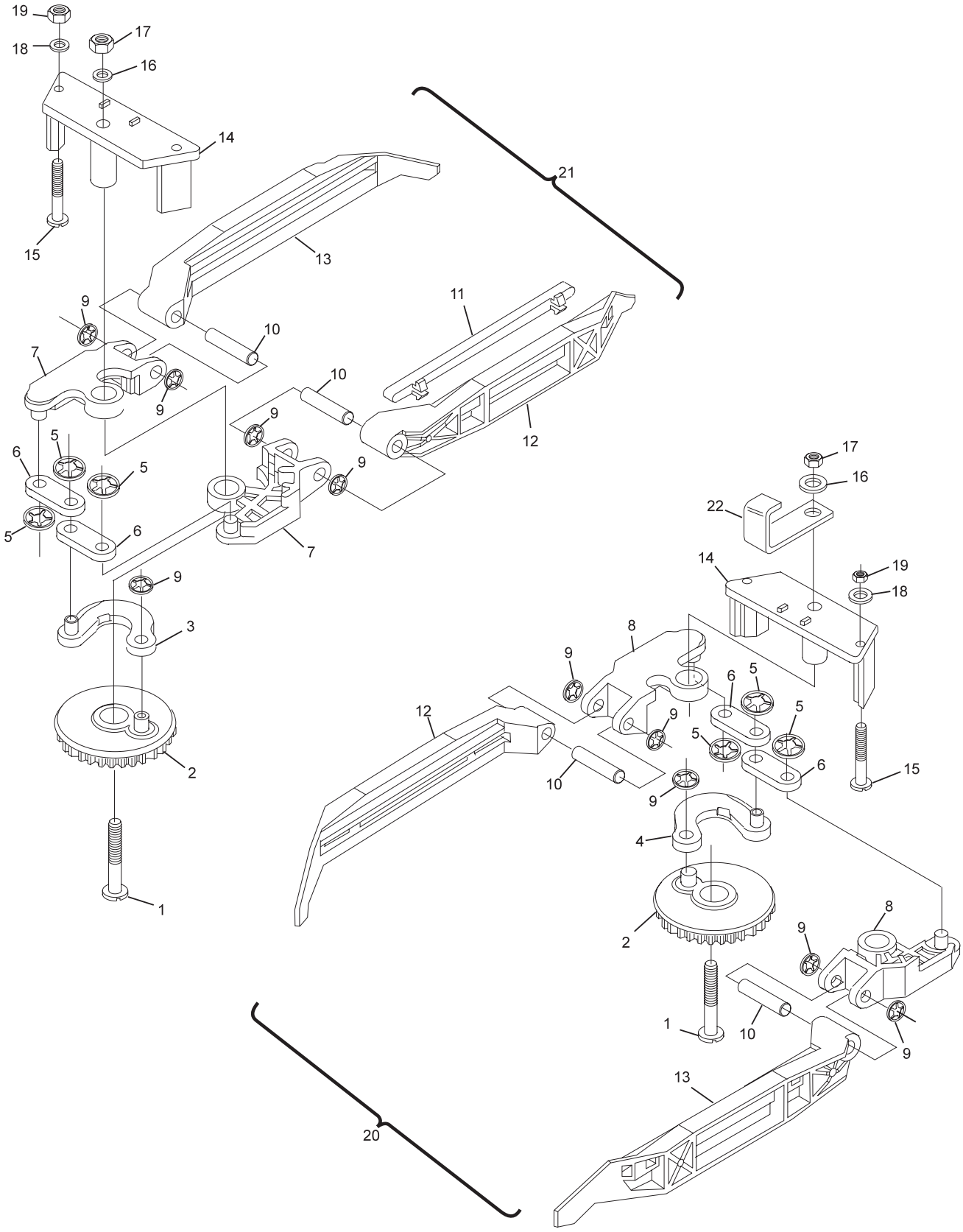
Index No.	Part No.		Description
1.	11-052351-001		Sltd. Pan Hd. Machine Screw (6 mm x 55 mm)
2.	47-051760-003		Gear
3.	47-051755-003		Connector
4.	47-053767-003		Connector
5.	11-053479-001		Speed Nut (9 mm)
6.	47-051762-004		Connecting Link
7.	47-051759-004		Pivot Wing
8.	47-053783-004		Pivot Wing
9.	11-053478-001	N.A.	Speed Nut (8 mm)
	47-861050-000	R.O.	Speed Nut (8 mm) Pkg. of 10
10.	47-051761-004		Shaft
11.	47-051758-003		Damper
12.	47-051757-003		Tong
13.	47-053782-003		Tong
14.	47-051756-004	N.A.	Deck Plate
	47-054902-002	R.O.	
15.	11-052355-001		Sltd. Pan Hd. Machine Screw (5 mm x 55 mm)
16.	11-052048-001		Flat Washer (6.4 mm)
17.	11-051743-001		Locknut (6 mm)
18.	11-052005-001		Flat Washer (5.3 mm)
19.	11-051742-001		Locknut (5 mm)
20.	*N.A.		Spotting Tong Complete (location 1,4,5 & 6)
21.	**N.A.		Spotting Tong Complete (location 2,3,7,8,9, and 10)
22.	47-051575-004		Pin Stop - GS98

N.A. = No Longer Available

* Complete Assembly replaced by 47-055117-009 - also order 1 each 11-054459-000 Screw

** Complete Assembly replaced by 47-055118-009 - also order 1 each 11-054459-000 Screw

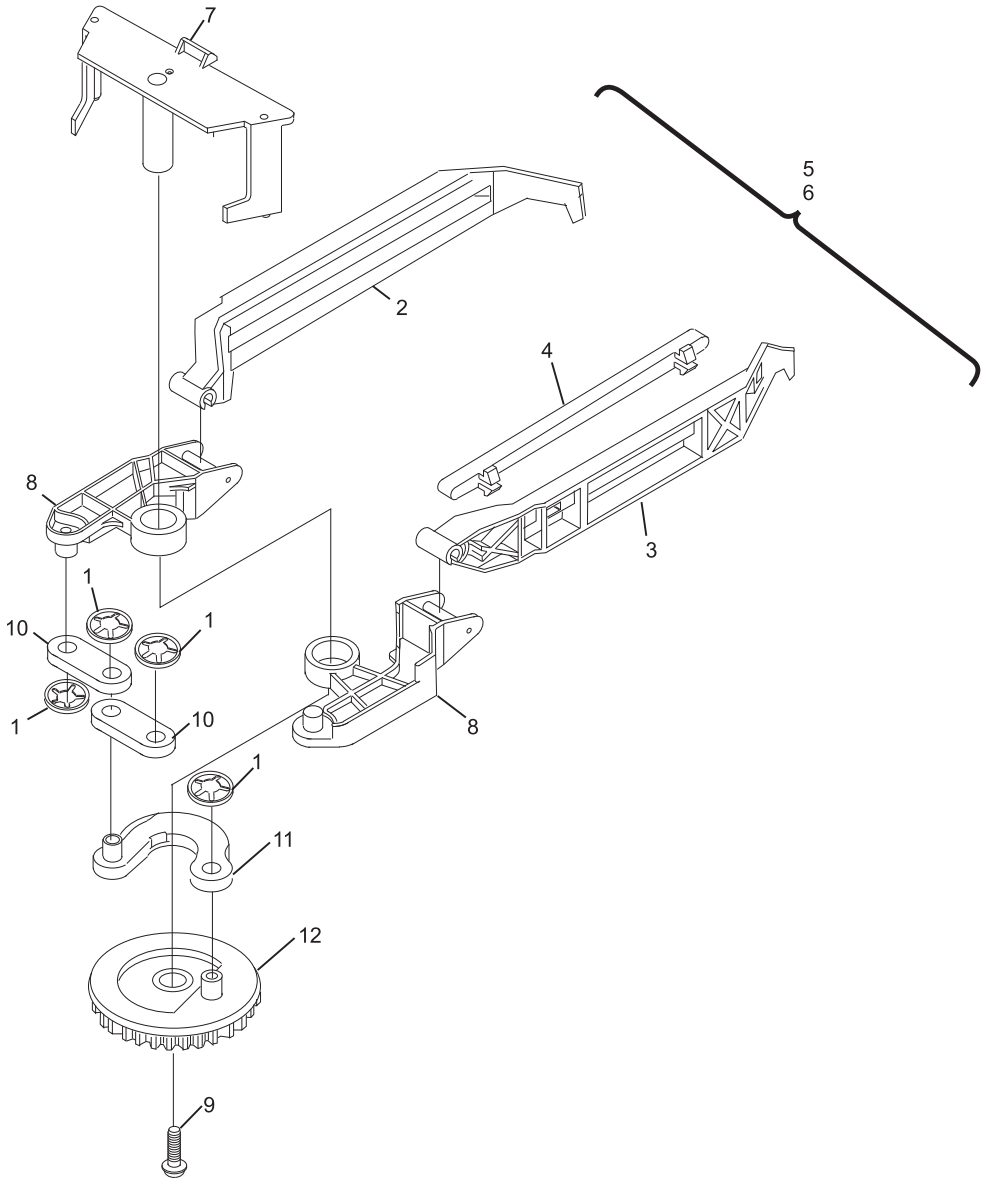
GS-10 - GS-98 Spotting Tong Assemblies



GS-10 - GS-98 Spotting Tong Assemblies

Index No.	Part No.		Description
1.	11-053478-001	N.A.	Speed Nut (8 mm)
	47-861050-000	R.O.	Speed Nut (8 mm) Pkg. of 10
2.	47-054896-002		R.H.Tong
3.	47-055148-002		L.H. Tong
4.	47-051771-600		Double Damper Oversized Pkg. of 10
	47-051770-600		Double Damper - Standard Pkg. of 10
	47-051758-003		OEM Standard Damper
	47-051758-600		Urethane Damper - Oversized Pkg. of 10
	47-051758-500		PCV Damper - Oversized Pkg. of 10
5.	47-055117-009		Spotting Tong - Complete Assembly (Location 1, 4, 5, and 6)
6.	47-055118-009		Spotting Tong - Complete Assembly (Location 2, 3, 7, 8, 9, and 10)
7.	47-054902-002		Deck Plate
8.	47-054898-003		Spotting Tong Pivot (Locations 1, 4, 5 and 6)
	47-054897-003		Spotting Tong Pivot (Locations 2, 3, 7, 8 and 9) - 10 shown
9.	11-054459-000		Self Tapping, Torx Screw (K60 x 16 mm)
10.	47-051762-004		Connecting Link
11.	47-054900-003		Lever (locations 1, 4, 5, 6)
	47-054901-003		Lever (locations 2, 3, 7, 8, 9) - 10 shown
12.	47-054899-003		Gear

GS Spotting Tong Assemblies
New Style



GS Spotting Tong Assemblies
New Style

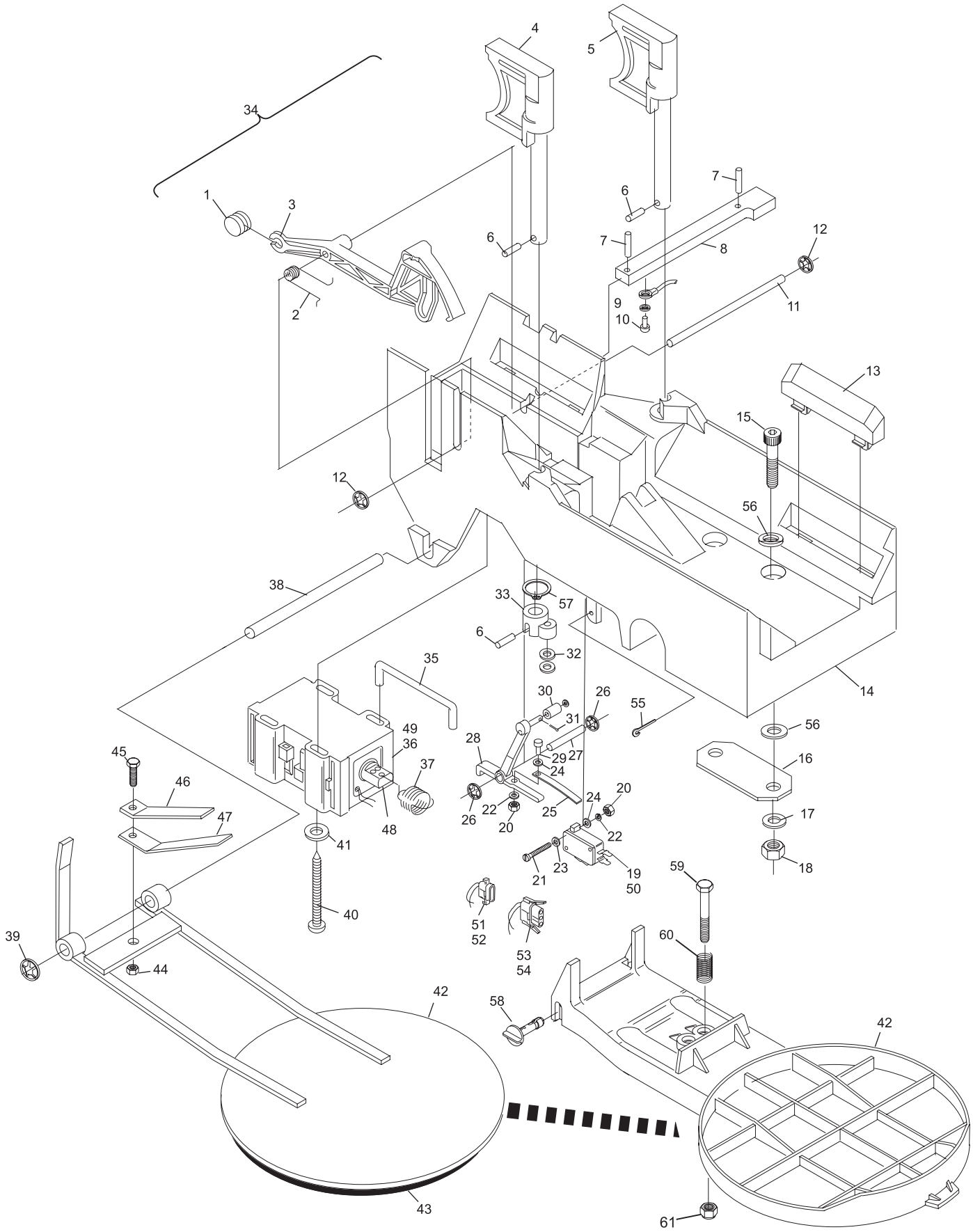
Index No.	Part No.		Description
1.	47-052124-004		Counter Weight
2.	47-050640-004		Tension Spring
3.	47-050665-003		Switch Finger
4.	47-052440-004		R.H. Pin Gripper
5.	47-052439-004		L.H. Pin Gripper
6.	11-052681-001		Roll Pin (3 mm x 16 mm)
7.	11-052677-001		Roll Pin (2 mm x 16 mm)
8.	*47-050675-004		Ground Shaft
9.	11-051767-001	N.A.	Lockwasher (4 mm) - red box only
10.	11-053776-001		C.R. Pan Hd. Screw (4 mm x 8 mm) - red box only
11.	47-050668-004		Switch Finger Shaft
12.	11-053476-001		Speed Nut (4 mm)
13.	47-050308-004		Damper
14.	47-054689-009		Pin Holder w/Dampers
	N.A.		Pin Holder w/o Dampers
15.	11-051535-001		Socket Hd. Cap Screw (8 mm x 40 mm)
16.	47-050676-004		Bracket
17.	11-051770-001		Lockwasher (8 mm)
18.	11-051704-001		Hex Nut (8 mm)
19.	47-052418-004		Cherry Switch (red box only)
20.	11-051708-001		Hex Nut (2.5 mm)
21.	11-052203-001		Sltd. Machine Screw (2.5 mm x 20 mm)
22.	11-051766-001		Lockwasher (2.5 mm)
23.	11-052041-001		Flat Washer (2.7 mm)
24.	11-052051-001		Flat Washer (2.5 mm)
25.	47-050639-004		Switch Spring
26.	11-053475-001		Speed Nut (3 mm)
27.	47-050674-004		Shaft
28.	47-050670-004		Switch Finger
29.	11-052205-001		Slotted Machine Screw (2.5 mm x 8 mm)
30.	47-050671-004	N.A.	Roller Bushing
	47-050670-004	R.O.	Switch Finger
31.	11-051802-001		Split Pin (1 mm x 10 mm)
32.	11-052025-001		Flat Washer (4.3 mm)
33.	46-050300-004		Catch
34.	47-050036-001	N.A.	Pin Holder Complete (red box electrical system)
	47-053850-009		Pin Holder Complete (universal electrical system)
35.	47-050266-004		Connector Link
36.	99-060218-004		Solenoid Complete (red box)
37.	46-050302-004		Tension Spring
38.	47-050677-004	N.A.	Shaft
39.	11-053478-001	N.A.	Speed Nut (8 mm)
	47-861050-000	R.O.	Speed Nut (8 mm) Pkg of 10
40.	11-054776-001	N.A.	C.R. Pan Hd. Screw (5 mm x 60 mm)
	47-861037-001	R.O.	C.R. Pan Hd. Screw (5 mm x 60 mm) Pkg. of 10
41.	11-052039-001		Flat Washer (5.3 mm)
42.	N.A.	N.A.	Pin Detector Plate w/Rubber (metal)
	**47-054298-001	R.O.	Pin Detector Plate w/Pin (plastic)
43.	N.A.		Rubber Material Only
44.	N.A.		Locknut (4 mm)
45.	N.A.		Hex Hd. Cap Screw (4 mm x 10 mm)
46.	N.A.		Flat Spring Support
47.	N.A.		Flat Spring
48.	99-060208-004		Plunger
49.	99-060242-004		Solenoid Complete (silver, consolidated and nexgen electronics box)
50.	47-053635-004		Cherry Switch (silver, consolidated and nexgen electronics box)
51.	11-680302-000	N.A.	Terminal (silver box & universal)
	57-860032-000	R.O.	Terminal - Male (Pkg. of 10)
52.	11-680105-000	N.A.	Connector - 4 Pin (silver box & universal)
53.	11-697187-000		Terminal (red box)
54.	N.A.		Connector - 3 Pin (red box)
55.	11-051809-001	N.A.	Split Pin (2 mm)
56.	11-052003-001	N.A.	Flat Washer (8.4 mm)
	11-052003-001	R.O.	Flat Washer (8.4 mm)
57.	11-053401-001	N.A.	Snap Ring (8 mm)
58.	47-860005-000		Pivot Pin (Pkg. of 10)
59.	11-051088-001		Hex Hd. Cap Screw (6 mm x 35 mm)
60.	47-054708-004		Pin Deflector Spring
61.	11-051743-001		Lock Nut (6 mm)

N.A. = No Longer Available
R.O. = Replacement Option

* Ground Shaft is reversed for L.H. or R.H. Pin Holder Assembly.

** Interchangable new style

GS-10 and GS-92 Pin Holder Assembly



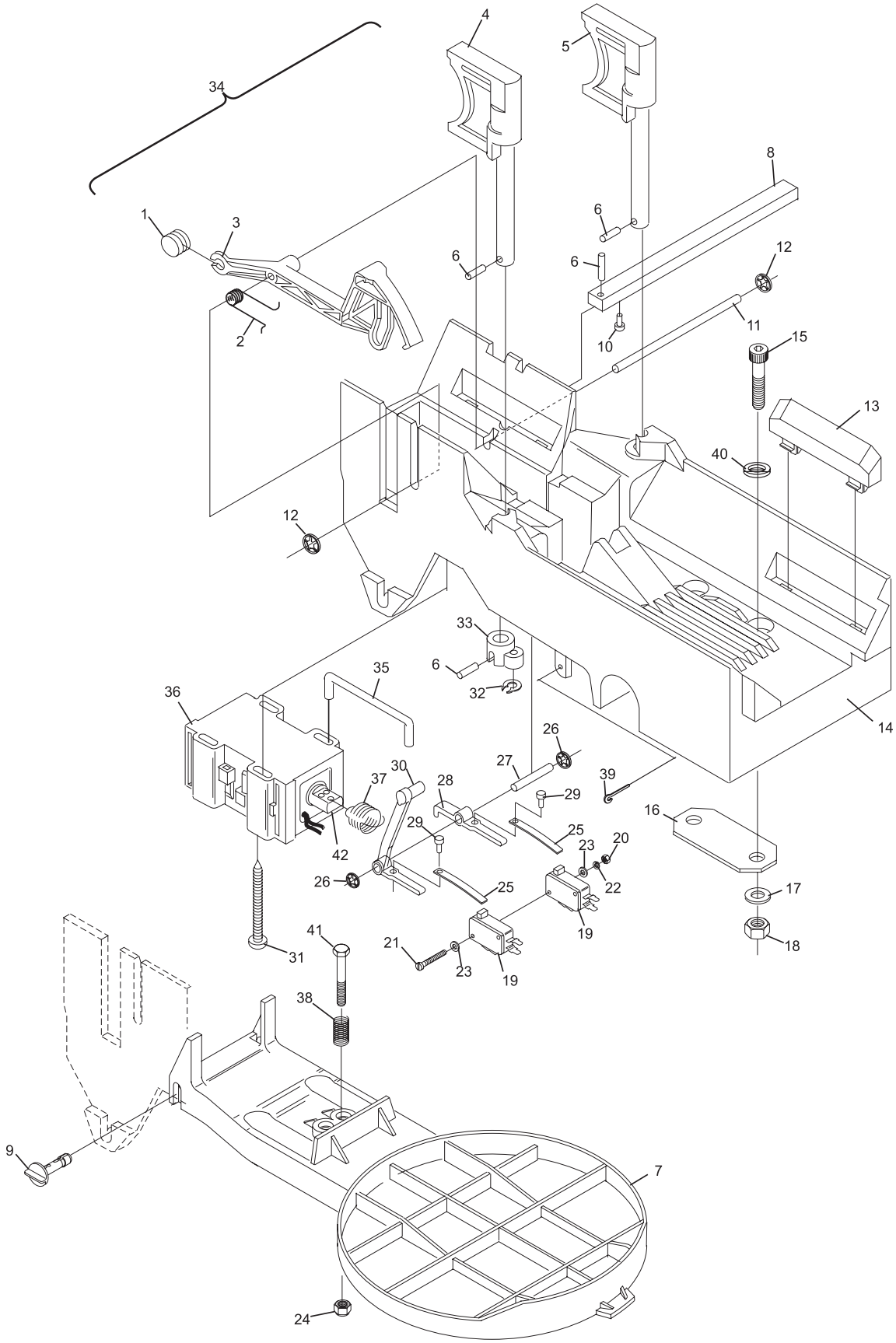
GS-10 and GS-92 Pin Holder Assembly

Index No.	Part No.		Description
1.	47-052124-004		Counter Weight
2.	47-050640-004		Tension Spring
3.	47-050665-003		Switch Finger
4.	47-052440-004		R.H. Pin Gripper
5.	47-052439-004		L.H. Pin Gripper
6.	11-052681-001		Roll Pin (3 mm x 16 mm)
7.	47-054298-001		Pin Detector Plate w/Pin
8.	*47-050675-004		Ground Shaft
9.	47-860005-000		Pivot Pin (Pkg. of 10)
10.	11-053776-001		C.R. Pan Hd. Screw (4 mm x 8 mm) - red box only
11.	47-050668-004		Switch Finger Shaft
12.	11-053476-001		Speed Nut (4 mm)
13.	47-050308-004		Damper
14.	47-054689-009		Pin Holder w/Dampers
	N.A.		Pin Holder w/o Dampers
15.	11-051535-001		Socket Hd. Cap Screw (8 mm x 40 mm)
16.	47-050676-004		Bracket
17.	11-051770-001		Lockwasher (8 mm)
18.	11-051704-001		Hex Nut (8 mm)
19.	47-053635-004		Micro Switch (single, cherry)
	47-054700-004		Micro Switch (double)
20.	11-051708-001		Hex Nut (2.5 mm)
21.	11-052220-001		Sltd. Machine Screw (2.5 mm x 30 mm)
22.	11-051766-001		Lockwasher (2.5 mm)
23.	11-052041-001		Flat Washer (2.7 mm)
24.	11-051743-001		Lock Nut (6 mm)
25.	47-050639-004		Switch Spring
26.	11-053475-001		Speed Nut (3 mm)
27.	47-054701-004		Shaft
28.	47-054703-004		Switch Finger
29.	11-055150-000		Slotted Machine Self Tap Screw Plastic (2.5 mm x 5 mm)
30.	47-054702-004		Switch Finger
31.	11-054776-001	N.A.	C.R. Pan Hd. Screw (5 mm x 60 mm)
	47-861037-001	R.O.	C.R. Pan Hd. Screw (5 mm x 60 mm) Pkg. of 10
32.	11-054500-000	N.A.	Grip Ring (4 mm)
	47-861036-000	R.O.	Grip Ring (4 mm) Pkg. of 10
33.	46-050300-004		Catch
34.	47-054699-009		Pin Holder Complete
35.	47-050266-004		Connector Link
36.	99-060242-004		Soleniod
37.	46-050302-004		Tension Spring
38.	47-054708-004		Pin Deflector Spring
39.	11-051808-001	N.A.	Cotter Pin (1.6 mm x 40 mm)
	47-861034-001	R.O.	Cotter Pin - Pkg. 20
40.	11-052003-001		Flat Washer (8.4 mm)
41.	11-051088-001		Hex Hd. Cap Screw (6 mm x 35 mm)
42.	99-060208-004		Plunger

N.A. = No Longer Available
R.O. = Replacement Option

* Ground Shaft is reversed for left-hand or right-hand Pin Holder Assembly.

GS-96 - GS-98 Pin Holder Assembly

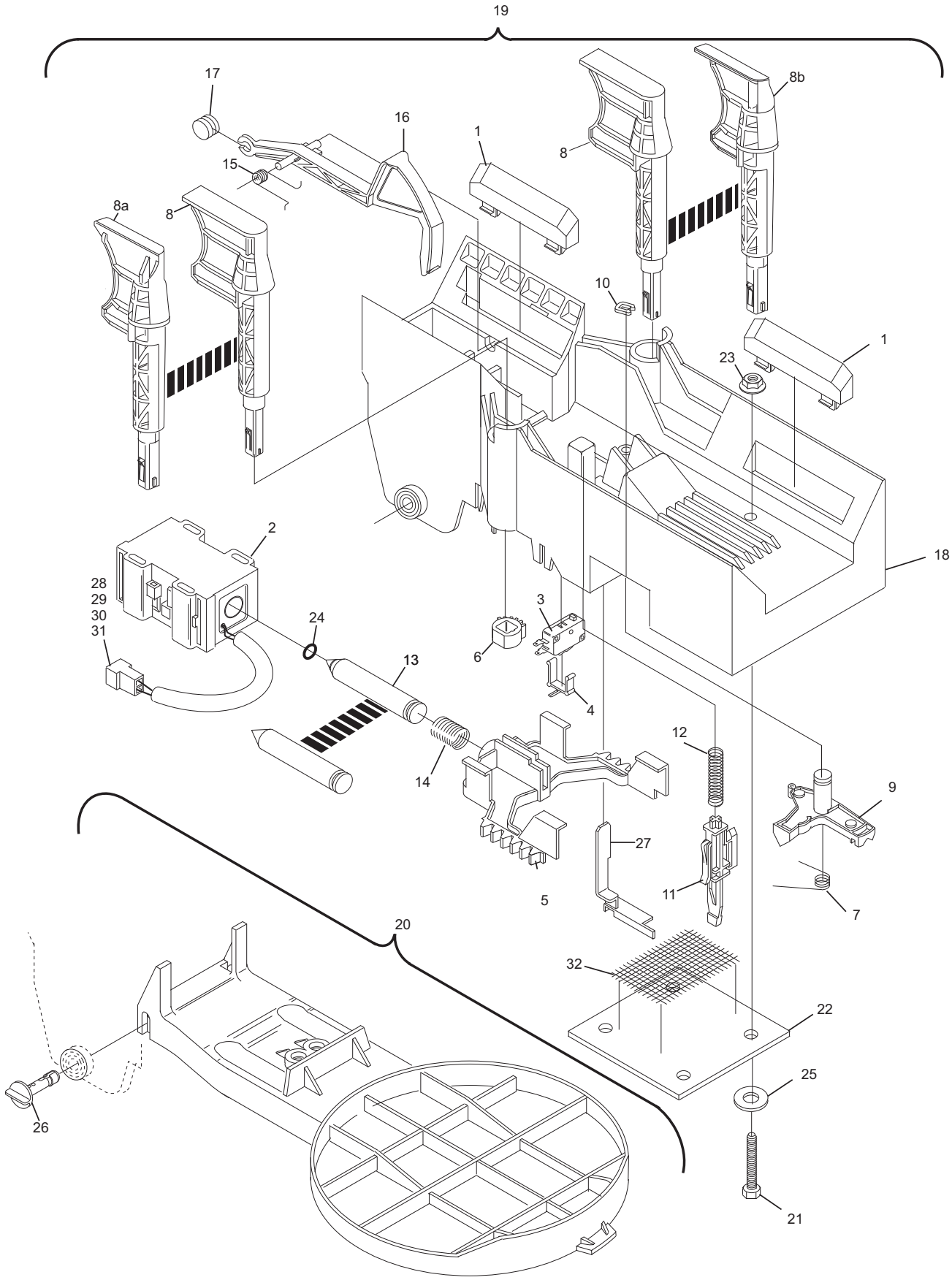


GS-96 - GS-98 Pin Holder Assembly

Index No.	Part No.		Description
1.	47-050308-004		Damper
2.	99-060351-004		Solenoid - Only
3.	47-055323-004		Micro Switch
4.	47-055001-004		Clip (Micro Switch)
5.	47-054983-002		Drive
6.	47-054984-004		Gear
7.	47-055006-004		Torsion Spring
8.	47-054981-002	N.A.	Pin Gripper - Universal (1 piece)
	47-277156-000	R.O.	Pin Gripper Pkg - Includes index numbers 8a. - Pin Gripper - Left Hand (47-057532-009) 8b. - Pin Gripper - Right Hand (47-057533-009)
9.	47-054985-001		Switch Lever
10.	47-054986-004		Grip Ring
11.	47-054988-003		Switch Button
12.	47-055008-004		Tension Spring
13.	47-055004-004	N.A.	Solenoid Plunger - With O-ring groove (requires index number 24)
	47-057534-000	R.O.	Solenoid Plunger - Without O-ring groove
14.	47-054987-004		Solenoid Spring
15.	47-055005-004		Tension Spring
16.	47-054982-002		Switch Finger
17.	47-052124-004		Counter Weight
18.	47-054980-001	N.A.	Pin Holder Housing - Only
	47-054980-201	R.O.	Pin Holder w/Damper
19.	47-055314-009	N.A.	Pin Holder Assembly Complete - does not include index numbers 21, 22, 23, 25, 28, 29, 30, 31,32.
	47-057535-009	R.O.	
20.	47-054298-001		Pin Detector Plate w/Pin
21.	11-051014-001		Hex Hd. Cap Screw (6 mm x 45 mm)
22.	47-055003-004		Mount Plate
23.	11-055500-001		Hex Nut (6 mm)
24.	99-090349-004		O-Ring for Plunger
25.	11-055961-001	N.A.	Washer
	47-861040-001	R.O.	Washer (6.1 mm) Pkg. of 10
26.	47-860005-000		Pivot Pin (Pkg. of 10)
27.	47-055328-003		Connector Clip
28.	11-680206-000		Connector - Male (4 pos)
29.	11-680302-000	N.A.	Terminal - Male
	57-860032-000	R.O.	Terminal - Male (Pkg. of 10)
30.	11-680301-000	N.A.	Terminal - Female
	57-860031-000	R.O.	Terminal - Female (Pkg. of 20)
31.	11-680118-000		Connector - Switch (4 pos)
32.	47-055785-004		Steel Mesh

N.A. = No Longer Available
R.O. = Replacement Option

GS-X/CPO Pin Holder Assembly



GS-X/CPO Pin Holder Assembly

Index No.	Part No.		Description
1.	11-051706-001		Hex Nut (12 mm)
2.	11-051772-001		Lockwasher (12 mm)
3.	11-052024-001	N.A.	Flat Washer (13 mm)
	47-861010-001	R.O.	Flat Washer (13 mm) Pkg. of 20
4.	47-071975-004		Threaded Connector
5.	11-600500-000		Master Link (3 pieces)
6.	11-601007-000		Roller Chain (64 Links)
7.	47-050926-004		Cam
8.	11-051743-001		Locknut (6 mm)
9.	11-051509-001		Socket Hd. Cap Screw (6 mm x 12 mm)
10.	47-051490-004		Cam Holder
11.	47-052347-003		Upper Deck Rack Tube
12.	11-052451-001		Sltd. Flat Ctsk. Hd. Machine Screw (6 mm x 25 mm)
13.	11-052679-001		Rolled Pin (6 mm x 22 mm)
14.	47-050365-003		Toothed Rack (6 mm x 25 mm)
15.	11-051518-001		Socket Hd. Cap Screw (10 mm x 40 mm)
16.	11-051771-001		Lockwasher (10 mm)
17.	11-052018-001		Flat Washer (10.5 mm)
18.	47-071162-004		Spacer Bushing
19.	47-071148-004		Roller
20.	47-071170-003		Roller Support (small)
21.	11-051745-001		Locknut (10 mm)
22.	47-071171-003		Roller Support (large)
23.	47-070386-004		Counter Weight
24.	11-051517-001		Socket Hd. Cap Screw (10 mm x 25 mm)
25.	11-051707-001		Hex Nut (16 mm)
	11-051748-001		Locknut (16 mm)
26.	11-051774-001		Lockwasher (16 mm)
27.	47-071871-003		T-Stop
28.	47-070401-004		Threaded Cap
29.	11-051703-001		Hex Nut (10 mm)
30.	47-071161-003		Roller Support Complete
31.	47-052346-003		Deck Rack Tube (lower)
32.	11-051770-001		Lockwasher (8 mm)
33.	11-051066-001		Hex Hd. Cap Screw (8 mm x 18 mm)
34.	11-052684-001		Rolled Pin (5 mm x 40 mm)
35.	47-052458-009	N.A.	R.H. Assembly
36.	47-052459-009	N.A.	L.H. Assembly

N.A. = No Longer Available
R.O. = replacement Option

Table Rack and Roller Assembly

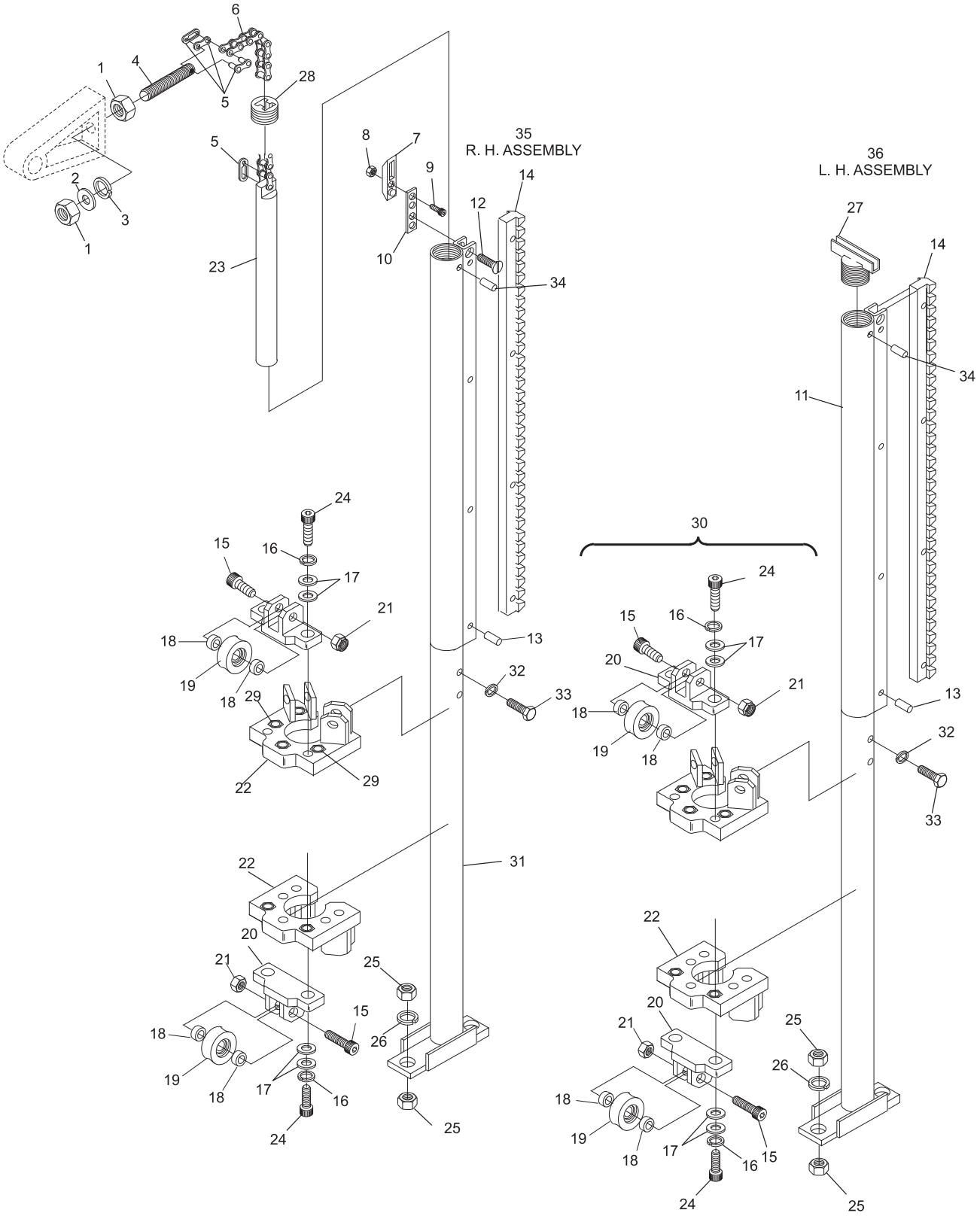


Table Rack and Roller Assembly

Index No.	Part No.		Description
1.	47-075474-004	N.A.	Chain Gear
	47-075474-009	R.O.	Chain Gear w/Set Screws
2.	11-051856-001		Retaining Ring (25 mm)
3.	47-011053-004		Sprocket
4.	47-055461-003		Tube
5.	47-085349-003		Tube Guide
6.	11-051707-001		Hex Nut (16 mm)
7.	11-055255-001		Ribbed Lockwasher (16 mm)
8.	47-071171-003		Roller Support (large)
9.	47-071170-003		Roller Support (small)
10.	11-051745-000	N.A.	Locknut (10 mm)
11.	11-051074-001	N.A.	Hex Head Cap Screw (10 mm x 45 mm)
12.	11-051771-001		Lockwasher (10 mm)
13.	11-051532-001		Socket Head Cap Screw (10 mm x 30 mm)
14.	11-052018-001		Flat Washer (10.5 mm)
15.	47-071162-004		Spacer Bushing
16.	47-071148-004		Roller
17.	47-075553-003	S.O.	Lower Chain Gear w/Bearing Block - Complete
18.	47-071871-003		T-Stop
19.	47-070401-004		Threaded Cap
20.	47-070386-004		Counter Weight
21.	47-085436-003		R.H. Support Bracket
22.	47-085430-003		L.H. Support Bracket
23.	11-600500-000		Master Link (3-pieces)
24.	47-055350-004		Out of Range Cam
25.	11-053503-000		Key (8 mm x 7 mm x 28 mm)
26.	47-075476-004		Shaft
27.	11-055158-000	N.A.	Self tapping Screw for Plastic (40 mm x 20 mm)

N.A. = No Longer Available
R.O. = Replacement Option
S.O. = Special Order

Table Rack and Roller Assembly (Machine Series 443 and Above)

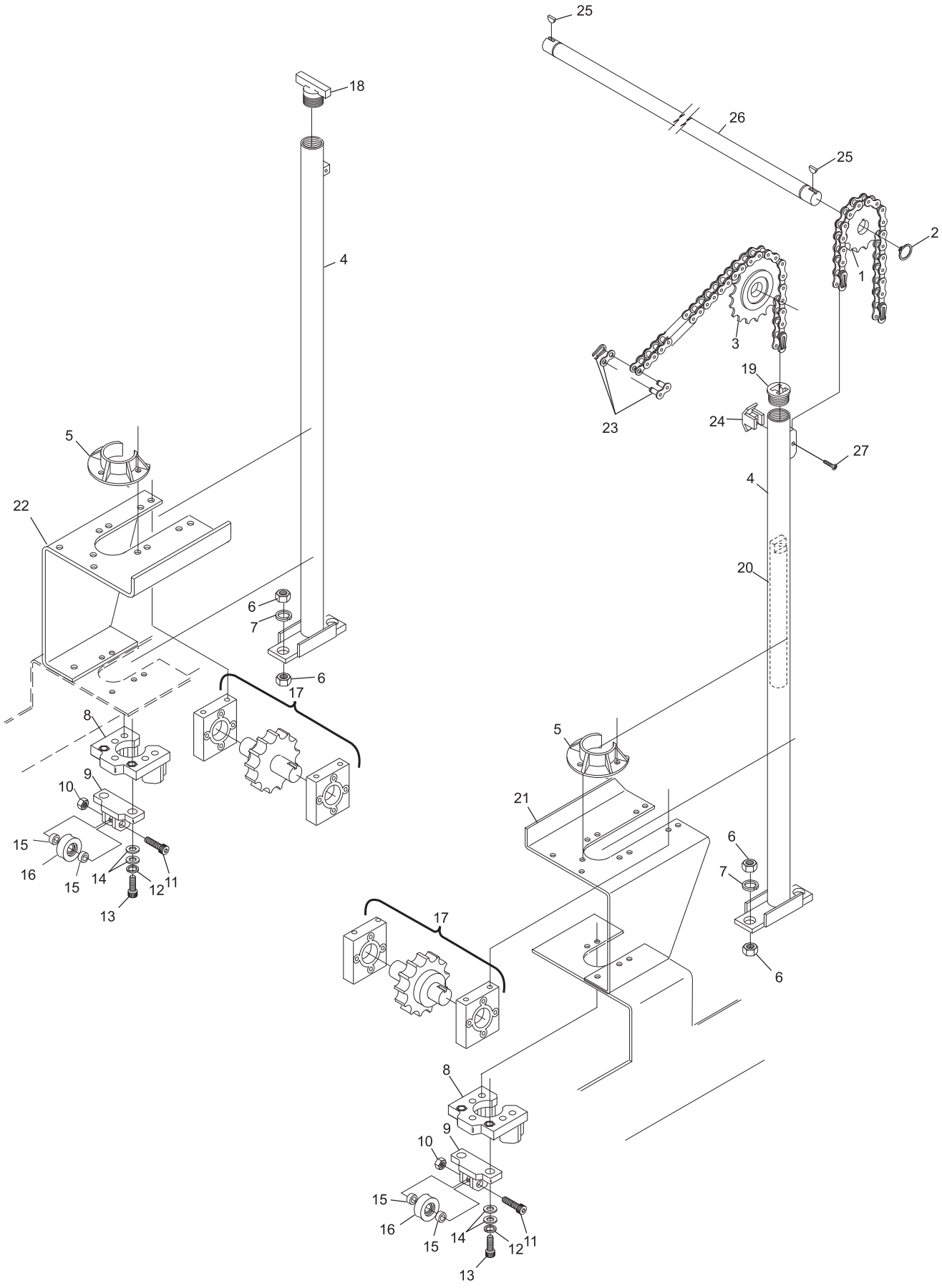


Table Rack and Roller Assembly
(Machine Series 443 and Above)

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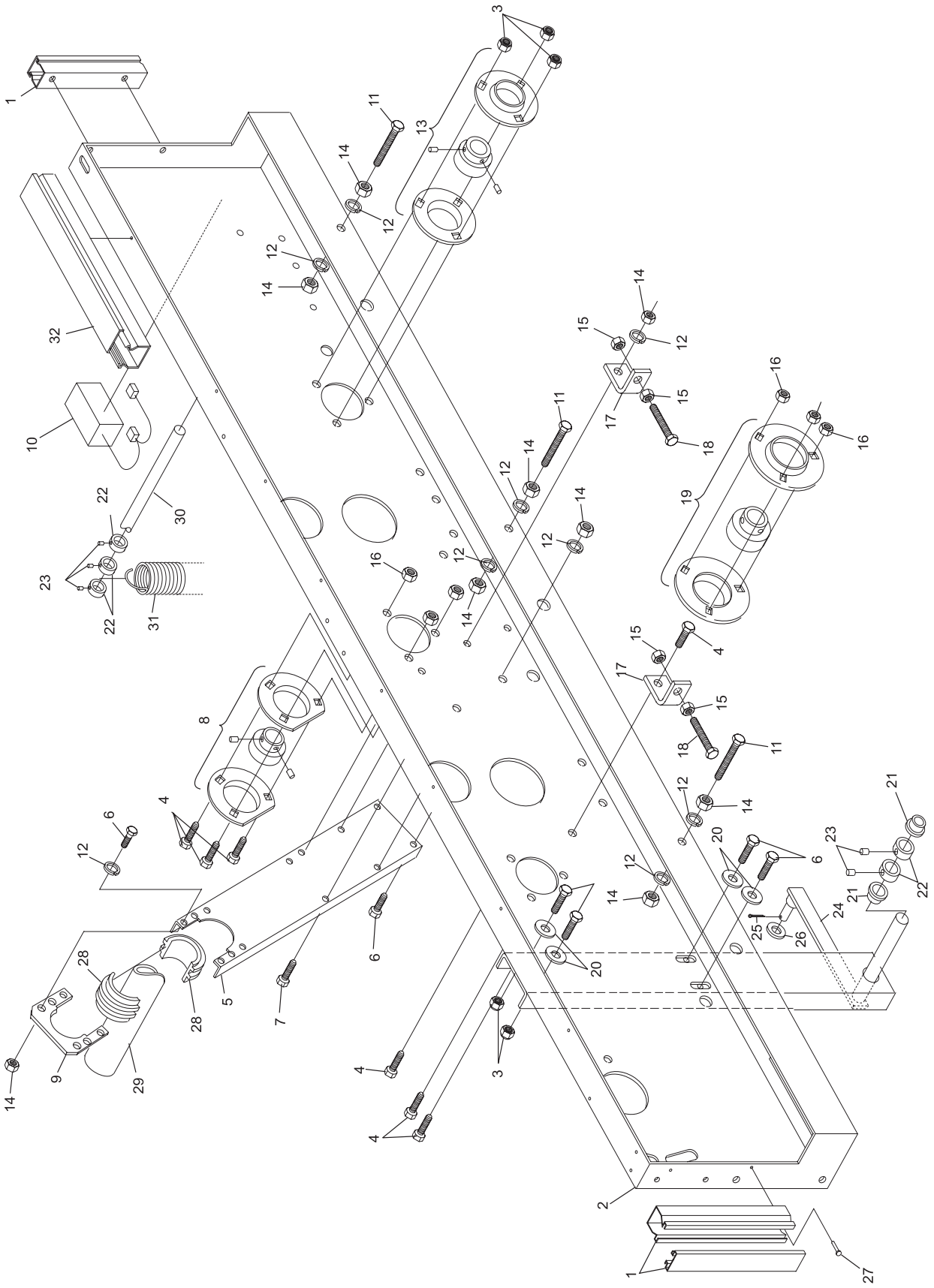
Section G

DRIVE FRAME ASSEMBLIES

Index No.	Part No.		Description
1.	47-073795-004		Cable Channel (30 mm x 200 mm)
2.	47-071779-001		Gear Train Frame (left-hand)
3.	11-051744-001		Locknut (8 mm)
4.	11-051005-001		Hex Hd. Cap Screw (10 mm x 20 mm)
5.	47-070186-003		Sweep Shaft Support
6.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
7.	11-051010-001		Hex Hd. Cap Screw (8 mm x 20 mm)
8.	47-073832-004		Shaft Bearing Assembly w/Cut Retainer Plate
9.	47-081958-004		Sweep Bearing Holder
10.	47-223077-004		Frame Counter Assembly
11.	11-051011-001		Hex Hd. Cap Screw (8 mm x 50 mm)
12.	11-051770-001		Lockwasher (8 mm)
13.	11-052901-000		Bearing Assembly w/Retaining Plates
14.	11-051704-001		Hex Nut (8 mm)
15.	11-051703-001		Hex Nut (10 mm)
16.	11-051771-001		Lockwasher (10 mm)
17.	47-070169-004		Angle Bracket
18.	11-051046-001		Hex Hd. Cap Screw (10 mm x 80 mm)
19.	11-052902-000		Shaft Bearing Assembly w/Retaining Plates
20.	11-052003-001		Flat Washer (8.4 mm)
21.	99-010107-004		Bushing
22.	11-053619-001		Stop Collar (20 mm)
23.	11-052803-001		Set Screw (6 mm x 10 mm)
24.	47-040283-003		Sweep Guide Lever
25.	11-051794-001		Cotter Pin (3.2 mm x 20 mm)
26.	11-052024-001	N.A.	Flat Washer (13 mm)
	47-861010-001	R.O.	Flat Washer (13 mm) Pkg of 20
27.	N.A.		Pop Rivet
28.	47-081959-003		Sweep Shaft Bearing
29.	47-041530-002		Sweep Shaft
30.	47-052123-004		Spring Shaft
31.	47-052120-004		Tension Spring
32.	47-073797-004		Cable Channel (30 mm x 1800 mm)

N.A. = No Longer Available
R.O. = Replacement Option

Left Drive Frame Assembly

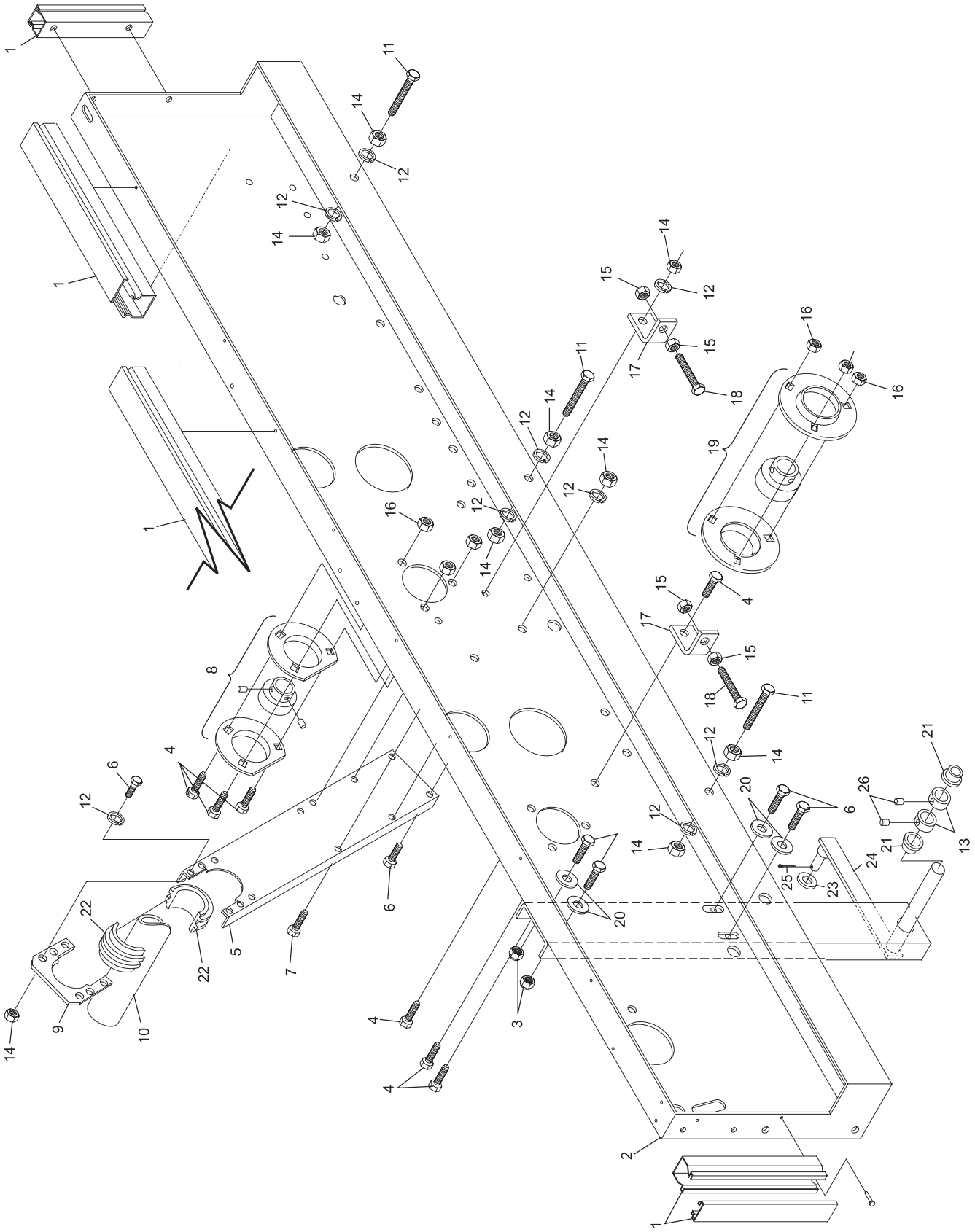


Left Drive Frame Assembly

Index No.	Part No.		Description
1.	47-084284-004		Cable Channel 1 meter - (cut to length)
2.	47-075452-001		L.H. Gear Train Frame
3.	11-051744-001		Locknut (8 mm)
4.	11-051005-001		Hex Hd. Cap Screw (10 mm x 20 mm)
5.	47-070186-003		Sweep Shaft Support
6.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
7.	11-051010-001		Hex Hd. Cap Screw (8 mm x 20 mm)
8.	47-073832-004		Shaft Bearing Assembly w/Cut Retainer Plate
9.	47-081958-004		Sweep Bearing Holder
10.	47-045458-002		Sweep Shaft
11.	11-051011-001		Hex Hd. Cap Screw (8 mm x 50 mm)
12.	11-051770-001		Lockwasher (8 mm)
13.	11-053619-001		Stop Collar (20 mm)
14.	11-051704-001		Hex Nut (8 mm)
15.	11-051703-001		Hex Nut (10 mm)
16.	11-051745-001		Lock Nut (10 mm)
17.	47-070169-004		Angle Bracket
18.	11-051046-001		Hex Hd. Cap Screw (10 mm x 80 mm)
19.	11-052902-000		Shaft Bearing Assembly w/Retaining Plates
20.	11-052003-001		Flat Washer (8.4 mm)
21.	99-010107-004		Bushing
22.	47-081959-003		Sweep Shaft Bearing
23.	11-052024-001	N.A.	Flat Washer (13 mm)
	47-861010-001	R.O.	Flat Washer (13 mm) Pkg. of 20
24.	47-040283-003		Sweep Guide Lever
25.	11-051794-001		Cotter Pin (3.2 mm x 20 mm)
26.	11-052803-001		Set Screw (6 mm x 10 mm)

N.A. = No Longer Available
R.O. = Replacement Option

Left Drive Frame Assembly
(Machine Series 443 and Above)

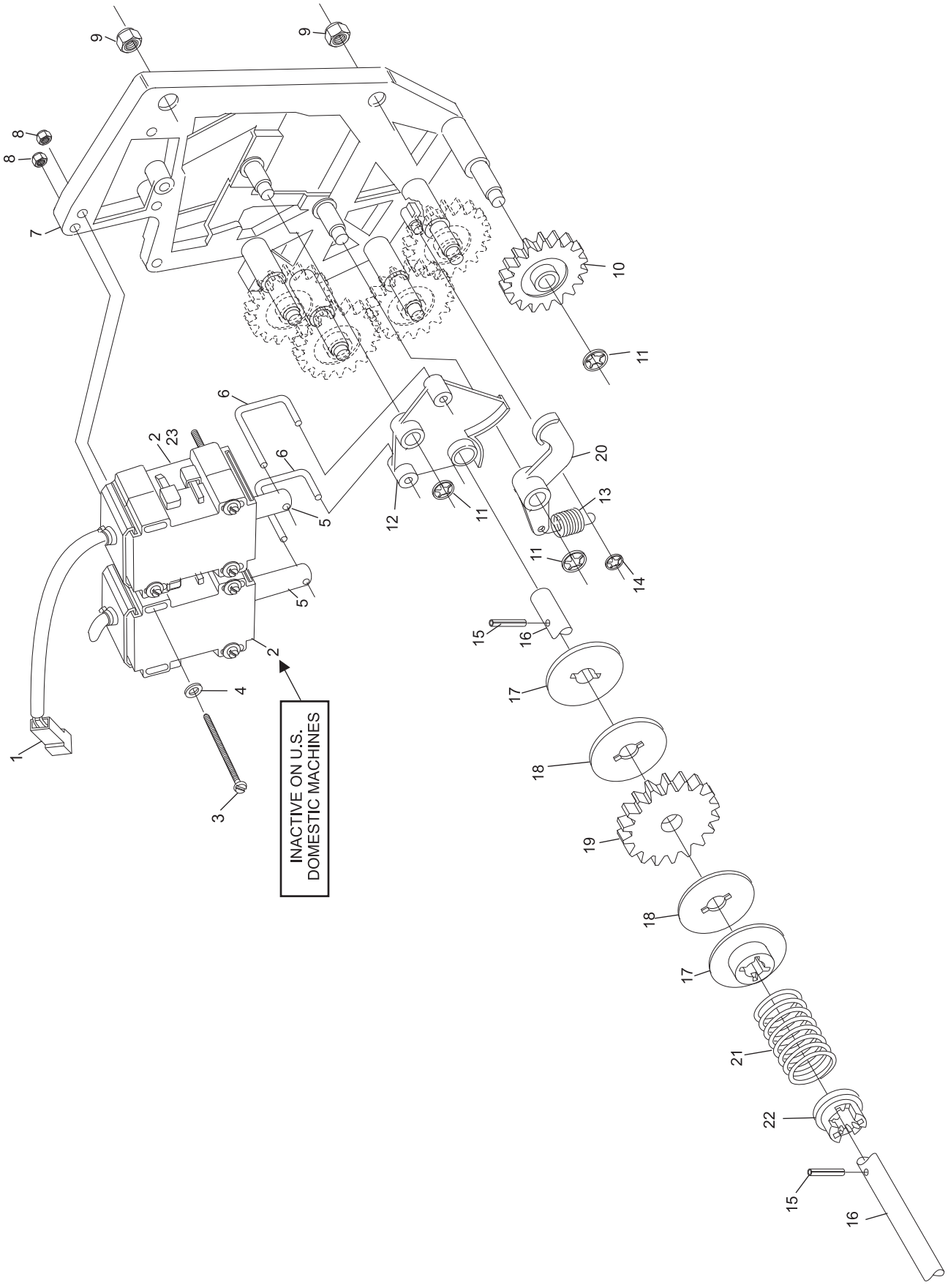


Left Drive Frame Assembly
(Machine Series 443 and Above)

Index No.	Part No.		Description
1.	N.A.		Plug Only
2.	*99-060219-004		Solenoid Assembly w/Plug (red box)
3.	11-052202-001		Slotted Machine Screw (5 mm x 55 mm)
4.	11-052039-001		Flat Washer (5.3 mm)
5.	99-060133-004		Plunger
6.	47-071865-004		Connecting Link
7.	47-071858-002		Solenoid Holder
8.	11-051742-001		Locknut (5 mm)
9.	11-051745-001		Locknut (10 mm)
10.	47-072023-004		Cluster Gear
11.	11-053478-001	N.A.	Seed Nut (8 mm)
	47-861050-000	R.O.	Speed Nut (8 mm) Pkg. of 10
12.	47-071859-004		Pivot Lever Plate
13.	47-071866-004		Tension Spring
14.	11-053481-001		Speed Nut (5 mm)
15.	11-052688-001	N.A.	Rolled Pin (3 mm x 18 mm)
	47-861051-009	R.O.	Roll Pin (Pkg. of 20)
16.	47-071883-004		Clutch Shaft
17.	47-071863-004		Spring Retainer
18.	47-071864-004		Clutch Disc
19.	47-071862-004		Clutch Gear
20.	47-071860-004		Pivot Lever
21.	47-071868-004		Compression Spring
22.	47-071869-003		Spring Tightener
23.	*47-243030-004	N.A.	Solenoid Assembly w/Plug (silver and consolidated box)
	99-070356-004	R.O.	Solenoid (Red Box)

N.A. = No Longer Available
R.O. = Replacement Option
* Does not include Index No. 5, Plunger

Gear Cluster Assembly



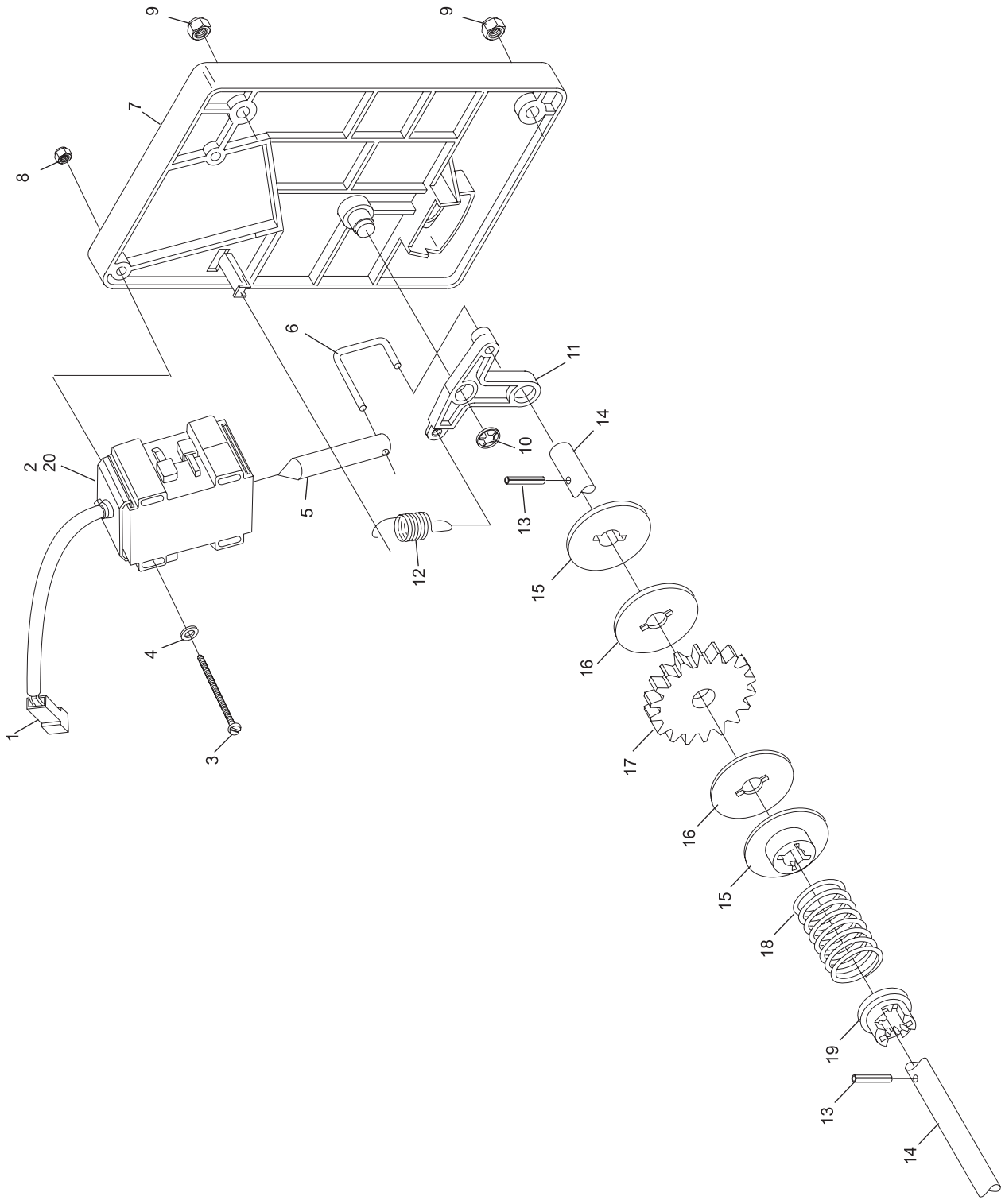
Gear Cluster Assembly

Index No.	Part No.		Description
1.	N.A.		Plug Only
2.	*99-060219-004		Solenoid Assembly w/Plug (red box)
3.	11-052202-001		Slotted Machine Screw (5 mm x 55 mm)
4.	11-052039-001		Flat Washer (5.3 mm)
5.	99-060133-004		Plunger
6.	47-071865-004		Connecting Link
7.	47-075128-002		Solenoid Holder
8.	11-051742-001		Locknut (5 mm)
9.	11-051745-001		Locknut (10 mm)
10.	11-053478-001	N.A.	Speed Nut (8 mm)
	47-861050-000	R.O.	Speed Nut (8 mm) Pkg. of 10
11.	47-075130-003		Pivot Lever Plate
12.	47-071866-004		Tension Spring
13.	11-052688-001	N.A.	Roll Pin (3 mm x 18 mm)
	47-861051-009	R.O.	Roll Pin (Pkg. of 20)
14.	47-071883-004		Clutch Shaft
15.	47-071863-004		Spring Retainer
16.	47-071864-004		Clutch Disc
17.	47-071862-004		Clutch Gear
18.	47-071868-004		Compression Spring
19.	47-071869-003		Spring Tightener
20.	*47-243030-004	N.A.	Solenoid Assembly w/Plug (silver and consolidated box)
	99-070356-004	R.O.	Solenoid

N.A. = No Longer Available
R.O. = Replacement Option

* Does not include Index No. 5, Plunger

Gear Cluster Assembly (GS-96/GS-98/GS-X)



Gear Cluster Assembly
(GS-96/GS-98/GS-X)

Index No.	Part No.		Description
1.	11-053901-000		V-Belt (10 mm x 6 mm x 875 mm)
2.	11-052690-001		Roll Pin (6 mm x 40 mm)
3.	99-070237-002		Pulley
4.	11-051045-001		Hex Hd. Cap Screw (10 mm x 30 mm)
5.	11-051532-001		Socket Hd. Cap Screw (10 mm x 30 mm)
6.	47-073598-009		Gear and Hub Assembly (new style for all GS machines)
7.	11-051745-001		Locknut (10 mm)
8.	*47-075076-001		Bearing Plate
9.	47-071823-004		Sprocket Shaft
10.	47-071706-004		Spacer Bushing
11.	11-054102-001	N.A.	Washer (25 mm)
	47-861028-001	R.O.	Pkg. (Qty.10) Shim Washer
12.	11-051856-001		Retaining Ring (25 mm)
13.	11-430051-000		Bearing
14.	47-071705-004		Pinion Shaft
15.	47-075184-003		Gear Assembly
16.	11-051533-001		Hex Head Cap Screw (8 mm x 25 mm)
17.	47-075073-003		Hub only - Metal
18.	47-075072-002		Gear - only
19.	11-052003-001		Washer (8.4 mm)
20.	11-053511-000		Key (10 mm x 32 mm)
21.	11-051533-001		Hex Head Cap Screws (8 mm x 25 mm)

N.A. = No Longer Available
R.O. = Replacement Option

* Replaces part number 47-071712-002 Bearing Plate

Table Gear, Sweep Gear and Pulley Drive Assembly

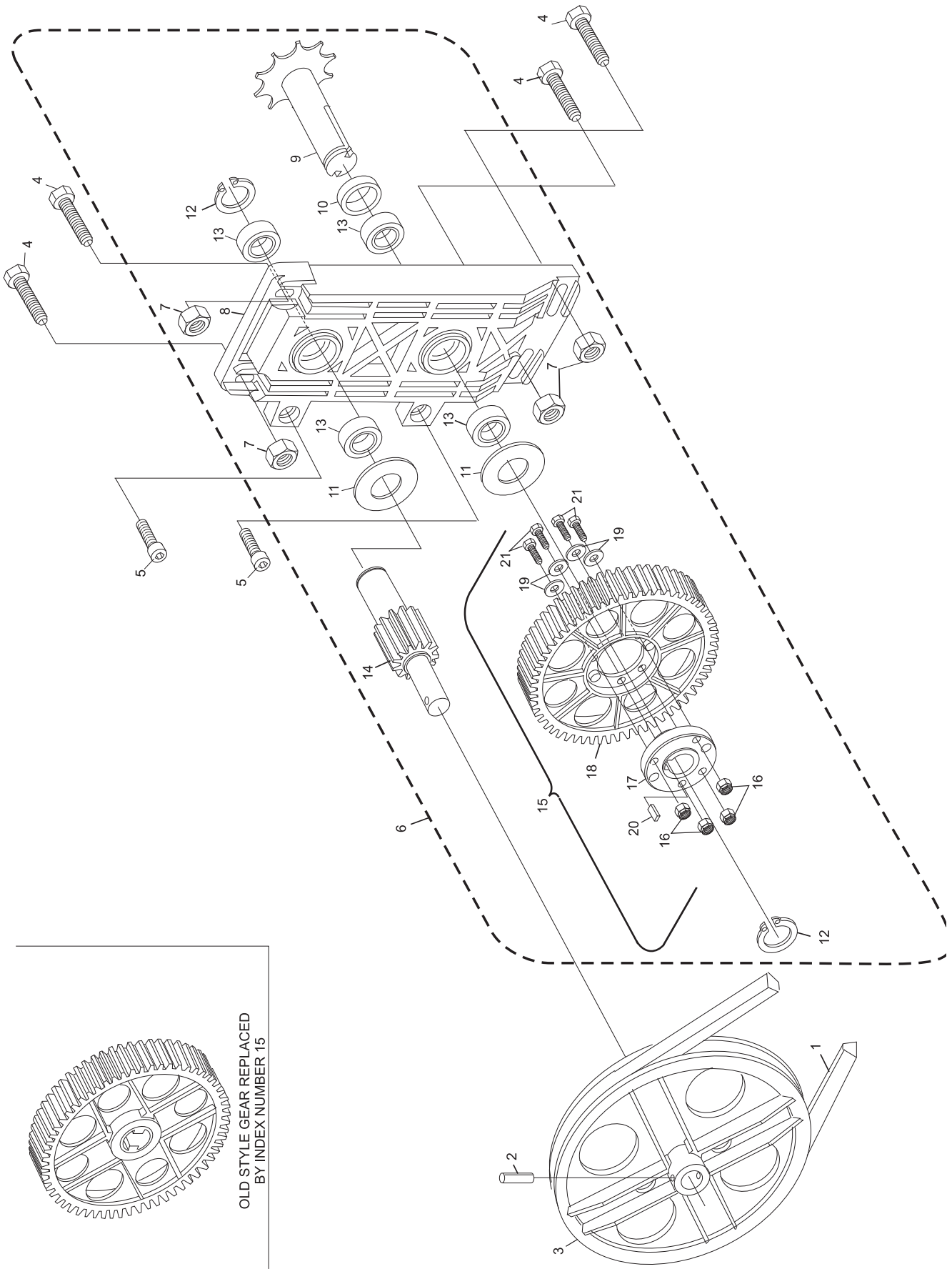


Table Gear, Sweep Gear and Pulley Drive Assembly

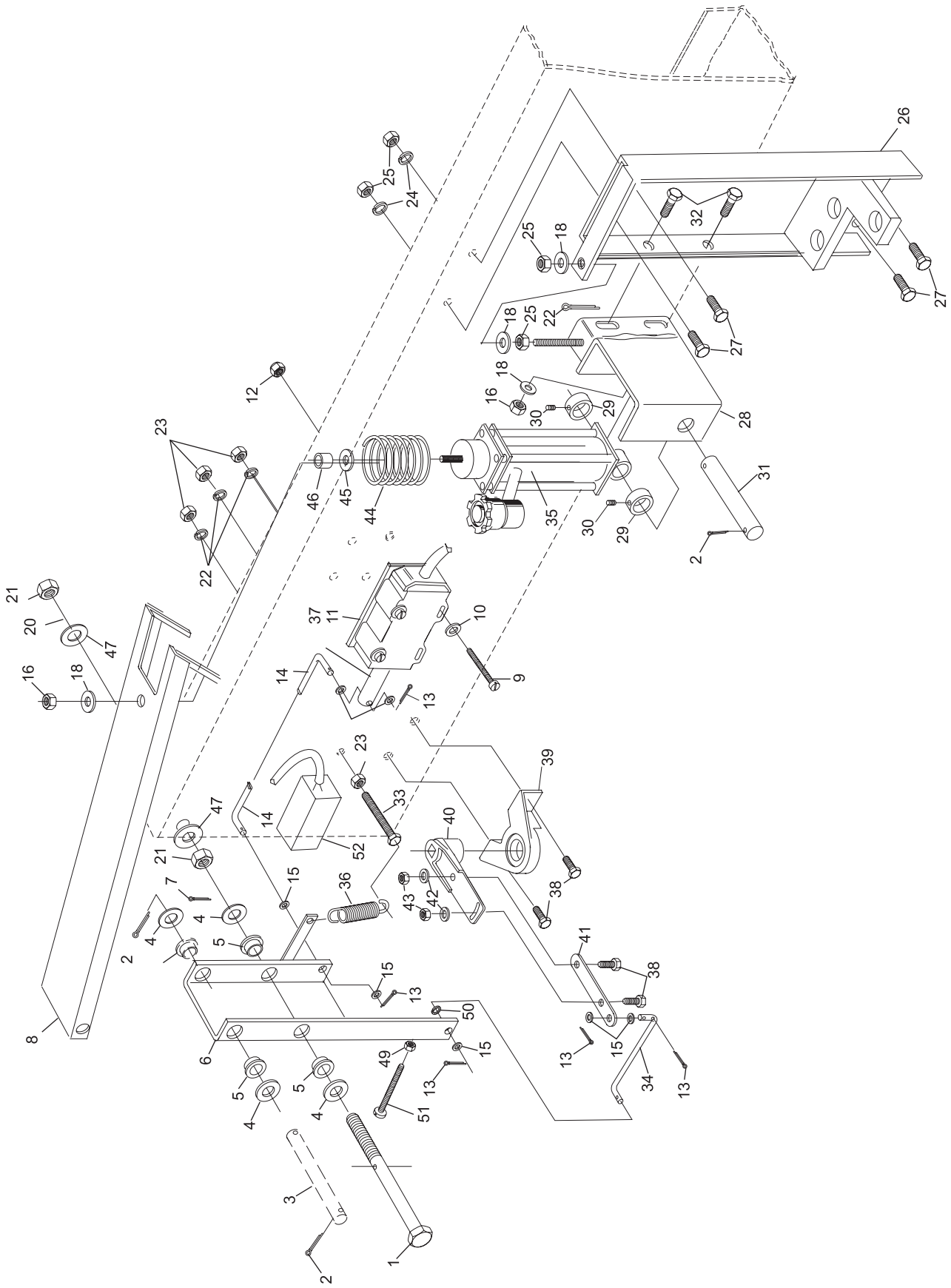
Index No.	Part No.		Description
1.	47-071673-004		Hex Hd. Cap Screw (14 mm x 160 mm)
2.	11-051786-001		Cotter Pin (2.5 mm x 25 mm)
3.	47-071507-004		Shaft
4.	11-052036-001		Flat Washer (15 mm)
5.	99-010102-004		Bushing
6.	47-071670-002		Lever Bushing Support
7.	11-051787-001		Cotter Pin (2 mm x 25 mm)
8.	47-071669-002		Stroke Limiter Plate
9.	11-052202-001		Sltd. Machine Screw (5 mm x 55 mm)
10.	11-052020-001		Flat Washer (5.3 mm)
11.	*99-060219-004		Solenoid (red box) Complete
12.	11-051742-001		Locknut (5 mm)
13.	11-051791-001		Cotter Pin (1.6 mm x 10 mm)
14.	47-075141-004		Connecting Link (horizontal mount) order 2 each - Speednut 11-053416-001
15.	11-052025-001		Flat Washer (4.3 mm)
16.	11-051744-001		Locknut (8 mm)
17.	11-051025-001		Hex Hd. Cap Screw (8 mm x 70 mm)
18.	11-052019-001		Flat Washer (8.4 mm)
19.	99-060133-004		Plunger Only
20.	11-051773-001	N.A.	Lockwasher (14 mm)
21.	11-051705-001		Hex Nut (14 mm)
22.	11-051769-001		Lockwasher (6 mm)
23.	11-051702-001		Hex Nut (6 mm)
24.	11-051770-001		Lockwasher (8 mm)
25.	11-051704-001		Hex Nut (8 mm)
26.	47-071509-002		Guide Beam
27.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
28.	47-071158-003		Hydraulic Support
29.	11-053624-001		Stop Collar (18 mm)
30.	11-053101-000		Set Screw (6 mm x 8 mm)
31.	47-070311-004		Shaft (18 mm)
32.	11-051010-001		Hex Hd. Cap Screw (8 mm x 20 mm)
33.	11-051014-001		Hex Hd. Cap Screw (6 mm x 45 mm)
34.	47-075142-004		Connecting Link
35.	99-070410-002	N.A.	Hydraulic Shock Absorber Complete
	99-076123-000	R.O.	Hydraulic Shock Absorber Complete
36.	55-050636-004		Tension Spring
37.	47-243030-004	N.A.	Solenoid Complete (silver and consolidated box)
	99-070356-004	R.O.	Solenoid
38.	11-051035-001		Hex Hd. Cap Screw (6 mm x 16 mm)
39.	47-071578-004		Bearing Block
40.	47-071579-004		Swing Lever
41.	47-071680-004		Connecting Link
42.	11-052048-001		Flat Washer (6.4 mm)
43.	11-051743-001		Locknut (6 mm)
44.	47-071602-004	N.A.	Compression Spring (not for use on 99-070410-002 Shocks)
45.	11-052003-001		Flat Washer (8.4 mm)
46.	47-070373-004		Spacer
47.	11-052029-001		Flat Washer (15 mm)
48.	11-052208-001		Adjusting Screw (4 mm x 30 mm)
49.	11-051709-001		Hex Nut (4 mm)
50.	11-051767-001		Lockwasher (4 mm)
51.	47-223077-004		Frame Counter Assembly
52.	**57-860828-000	N.A.	Frame Counter Kit w/Command Network and LIU

N.A. = No Longer Available
R.O. = Replacement Option

* Does not include Plunger.

** Not Illustrated

Stroke Limiter Assembly - Horizontal Solenoid



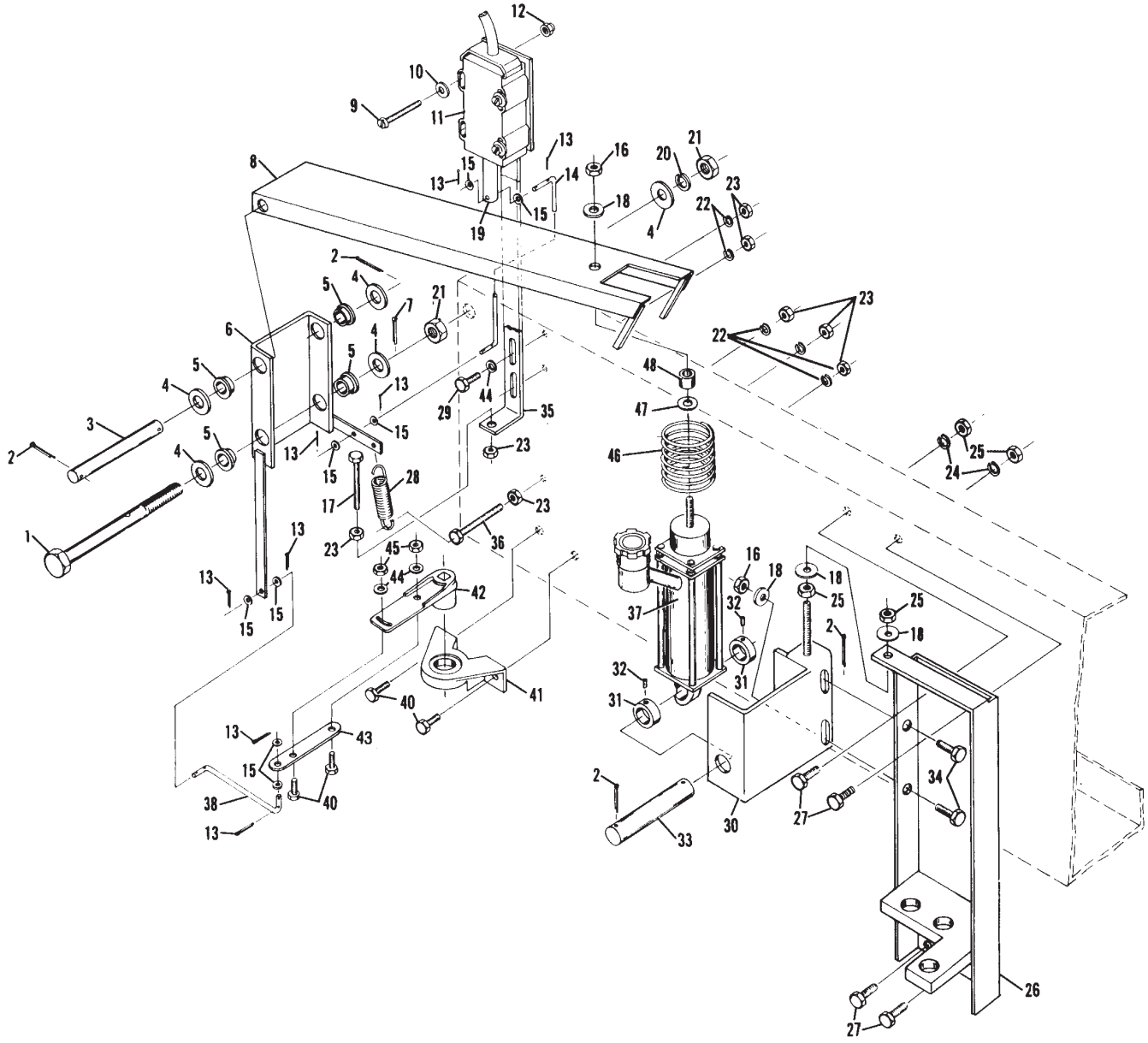
Stroke Limiter Assembly - Horizontal Solenoid

Index No.	Part No.		Description
1.	47-071673-004		Hex Hd. Cap Screw (14 mm x 160 mm)
2.	11-051786-001		Cotter Pin (2.5 mm x 25 mm)
3.	47-071507-004		Shaft
4.	11-052036-001		Flat Washer (15 mm)
5.	99-010102-004		Bushing
6.	47-071670-002		Lever Bushing Support
7.	11-051787-001		Cotter Pin (2 mm x 25 mm)
8.	47-071669-002		Stroke Limiter Plate
9.	11-052202-001		Sltd. Machine Screw (5 mm x 55 mm)
10.	11-052005-001		Flat Washer (5.3 mm)
11.	*99-060219-004		Solenoid Complete (red box)
12.	11-051742-001		Locknut (5 mm)
13.	11-051791-001		Cotter Pin (1.6 mm x 10 mm)
14.	47-075141-004		Connecting Link (vertical mount) order 2 each - Speed Nut 11-053476-001
15.	11-052025-001		Flat Washer (4.3 mm)
16.	11-051744-001		Locknut (8 mm)
17.	11-051022-001		Hex Hd. Cap Screw (6 mm x 30 mm)
18.	11-052019-001		Flat Washer (8.4 mm)
19.	99-060133-004		Plunger Only
20.	11-051773-001	N.A.	Lockwasher (14 mm)
21.	11-051705-001		Hex Nut (14 mm)
22.	11-051769-001		Lockwasher (6 mm)
23.	11-051702-001		Hex Nut (6 mm)
24.	11-051770-001		Lockwasher (8 mm)
25.	11-051704-001		Hex Nut (8 mm)
26.	47-071509-002		Guide Beam
27.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
28.	55-050636-004		Tension Spring
29.	11-051018-001		Hex Hd. Cap Screw (6 mm x 20 mm)
30.	47-071158-003		Hydraulic Support
31.	11-053624-001		Stop Collar (18 mm)
32.	11-052801-001		Set Screw (6 mm x 6 mm)
33.	47-070311-004		Shaft
34.	11-051010-001		Hex Hd. Cap Screw (8 mm x 20 mm)
35.	47-071965-003		Solenoid Holder
36.	11-051014-001		Hex Hd. Cap Screw (6 mm x 45 mm)
37.	99-070410-002	N.A.	Hydraulic Shock Absorber Complete
	99-076123-000	R.O.	Hydrualic Shock Absorber Complete
38.	47-075142-004		Connecting Link
39.	47-243030-004	N.A.	Solenoid Complete (silver box)
	99-070356-004	R.O.	Solenoid
40.	11-051035-001		Hex Hd. Cap Screw (6 mm x 16 mm)
41.	47-071578-004		Bearing Block
42.	47-071579-004		Swing Lever
43.	47-071680-004		Connecting Link
44.	11-052048-001		Flat Washer (6.4 mm)
45.	11-051743-001		Locknut (6 mm)
46.	47-071602-004		Compression Spring
47.	11-052003-001		Flat Washer (8.4)
48.	47-070373-004		Spacer

N.A. = No Longer Available
R.O. = Repalcement Option

* Does not include Plunger.

Stroke Limiter Assembly - Vertical Solenoid

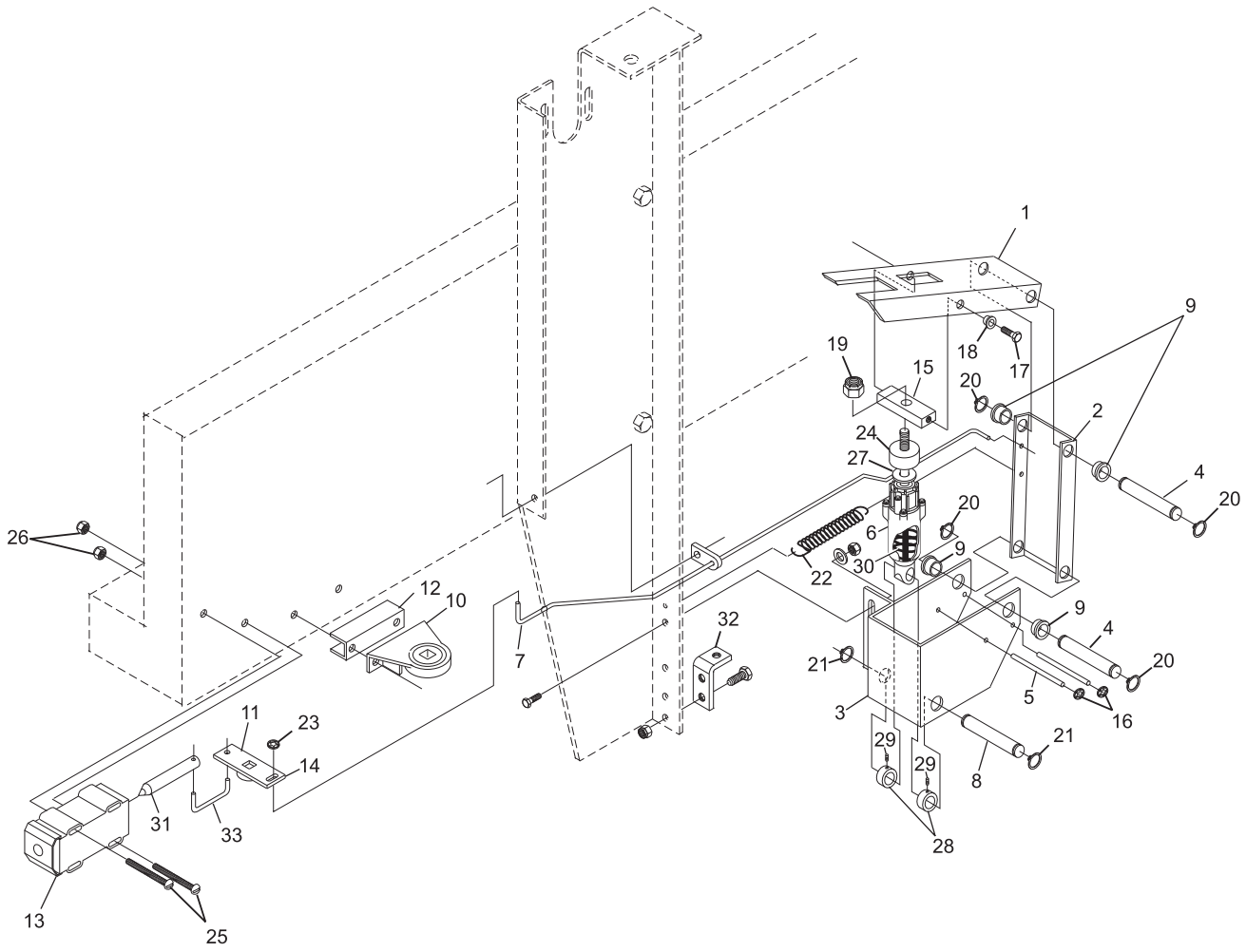


Stroke Limiter Assembly - Vertical Solenoid

Index No.	Part No.		Description
1.	47-075468-003		Lever
2.	47-075469-003		Support Bracket
3.	47-075472-003		Support
4.	47-075464-004		Shaft
5.	47-075465-004	N.A.	Stop Post (3 mm)
	47-075699-004	R.O.	Stop Post (6 mm) - When ordering also order 2 each of 11-053482-001 Speed Nut (6 mm)
6.	99-070395-002	N.A.	Shock Absorber
	99-076120-000	R.O.	Hydrualic Shock Absorber Assembly
7.	47-075467-003		Sensor Link
8.	47-075466-004		Shaft
9.	99-010102-004		Flanged Bushing
10.	47-075552-009		Bushing
11.	47-075354-004		Swing Lever
12.	47-075368-004		Bracket
13.	99-070356-004		Solenoid - only (consolidated and nexgen electronics box)
14.	47-075463-004		Connecting Link
15.	47-075462-004		Plate
16.	11-053475-001		Speed Nut (3 mm)
	11-053482-001		Speed Nut (6 mm)
17.	11-051067-001		Screw (8 mm x 35 mm)
18.	47-075435-004		Bushing
19.	11-051745-001		Locknut (10 mm)
20.	11-051857-001		Retaining Ring (14 mm)
21.	11-051861-000		Retaining Ring (18 mm)
22.	55-050636-004		Tension Spring
23.	11-053476-001		Speed Nut (4 mm)
24.	99-070398-004		Shock Bumper
25.	11-052202-001		Slotted Machine Screw (5 mm x 55 mm)
26.	11-051742-001		Locknut (5 mm)
27.	11-052068-001		Flat Washer (10 mm)
28.	11-053624-001		Stop Collar (18 mm)
29.	11-052801-001		Set Screw (6 mm x 6 mm)
30.	99-070397-004		Compression Spring
31.	99-060133-004		Plunger only
32.	47-075433-004		Stop
33.	47-075463-004		Connecting Link

N.A. = No Longer Available
R.O. = Replacement Option

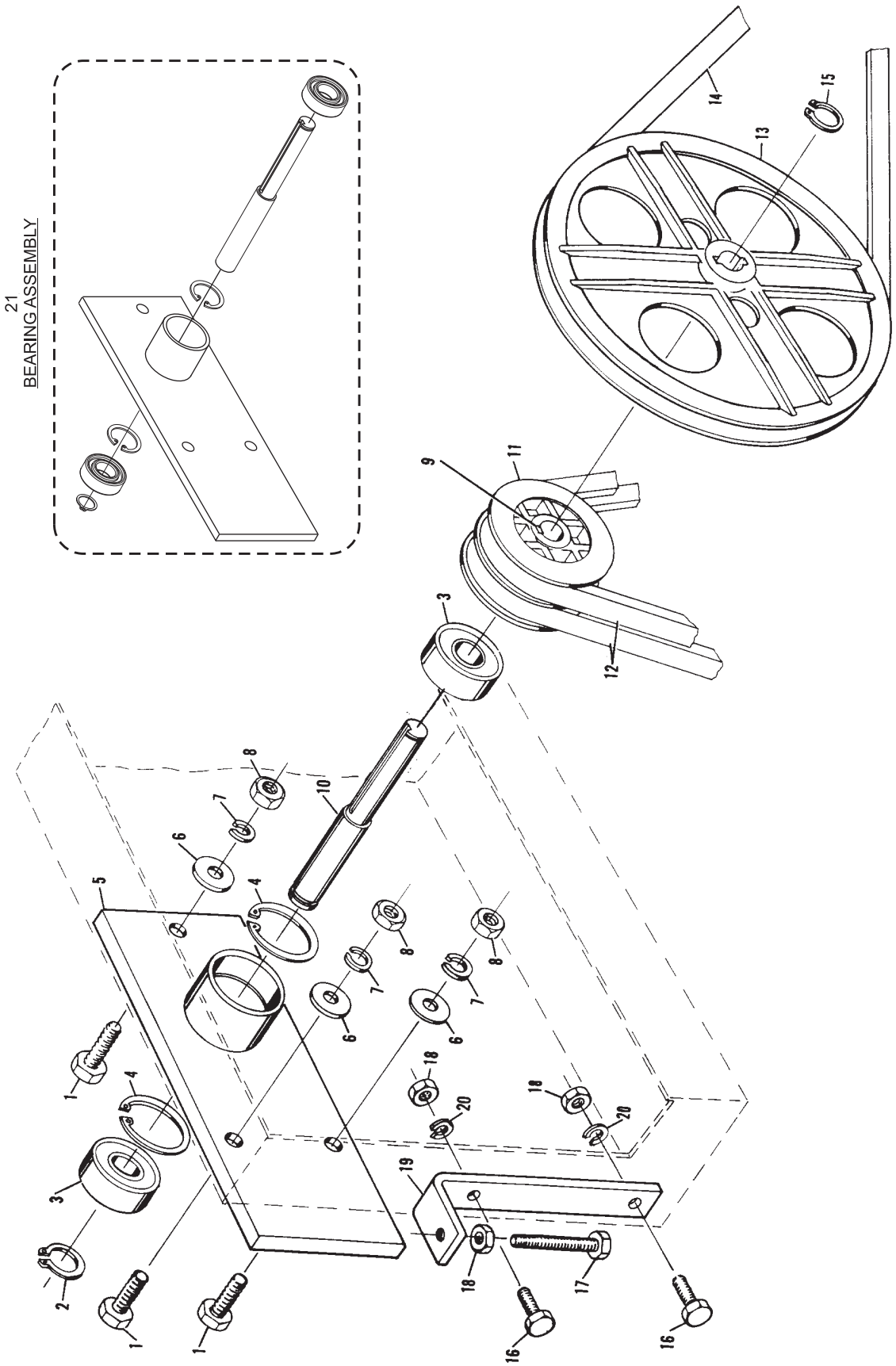
Stroke Limiter Assembly
(Machine Series 443 and Above)



Stroke Limiter Assembly
(Machine Series 443 and Above)

Index No.	Part No.	Description
1.	11-051045-001	Hex Hd. Cap Screw (10 mm x 30 mm)
2.	11-051853-001	Retaining Ring (20 mm)
3.	11-430050-000	Bearing
4.	11-051901-001	Retaining Ring (47 mm)
5.	47-071497-003	Bearing Flange
6.	11-052050-001	Flat Washer (10.5 mm)
7.	11-051771-001	Lockwasher (10 mm)
8.	11-051703-001	Hex Nut (10 mm)
9.	11-053494-000	Key (5 mm x 5 mm x 32 mm)
10.	47-070340-003	Idler Shaft
11.	47-070990-003	Double Pulley
12.	11-053903-000	V-Belt (8 mm x 13 mm x 1375 mm)
13.	99-070162-002	Pulley
14.	11-053901-000	V-Belt (10 mm x 6 mm x 875 mm)
15.	11-051852-001	Retaining Ring (17 mm)
16.	11-051010-001	Hex Hd. Cap Screw (8 mm x 20 mm)
17.	11-051032-001	Hex Hd. Cap Screw (8 mm x 55 mm)
18.	11-051704-001	Hex Nut (8 mm)
19.	47-071482-004	Tensioning Bracket
20.	11-051770-001	Lockwasher (8 mm)
21.	47-073520-009	Bearing Assembly (includes index numbers 2, 3, 4, 5, and 10)

Front Pulley and V-Belt Tensioner Assembly



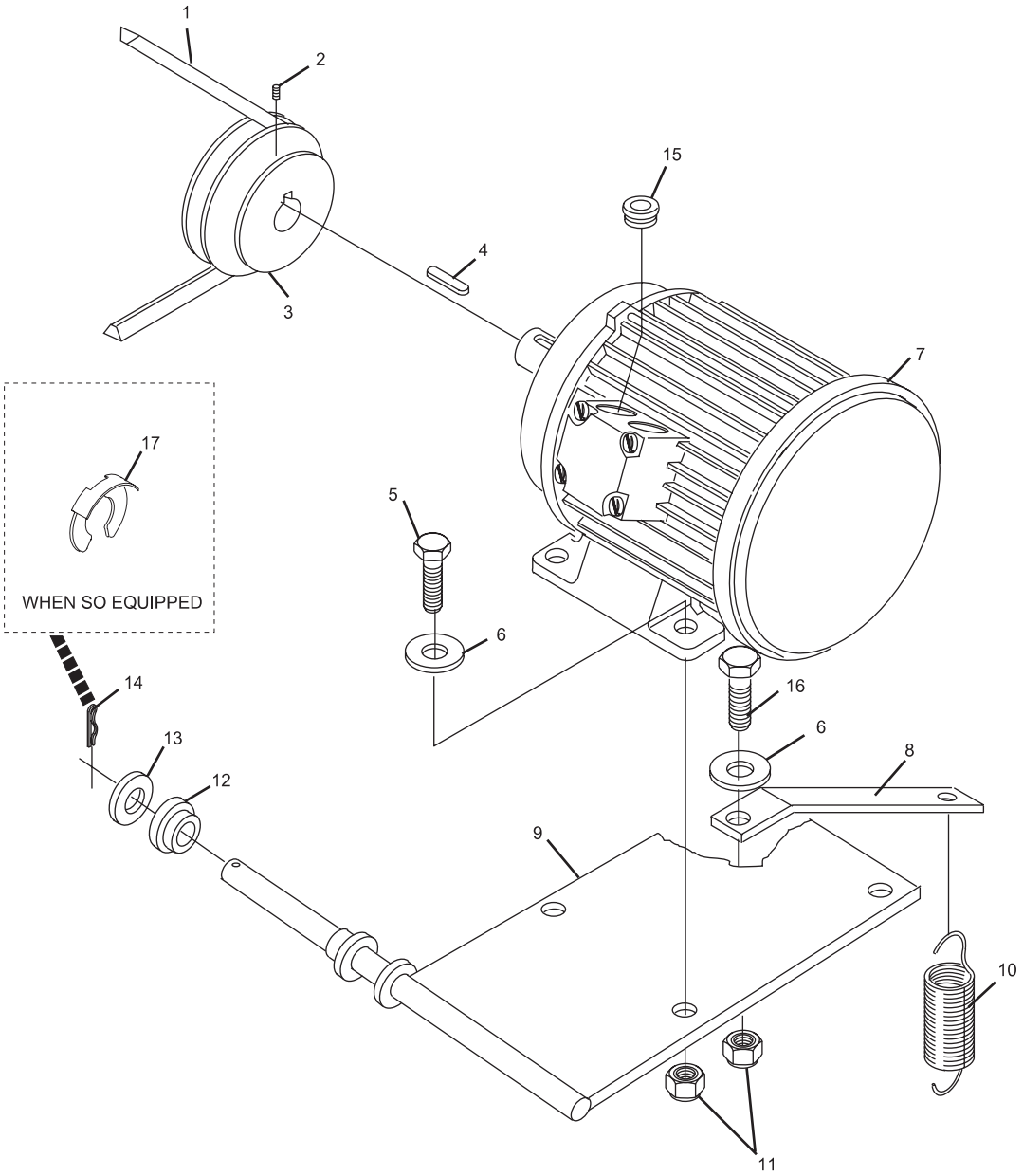
Front Pulley and V-Belt Tensioner Assembly

Index No.	Part No.		Description
1.	11-053901-000		V-Belt (10 mm x 6 mm x 875 mm)
2.	11-053100-000		Set Screw (5 mm x 8 mm)
3.	*47-073866-004		Motor Drive Pulley - Dual Sheave (50 or 60 Hz)
	*47-075743-004		Distributor Pulley - 10% reduced speed
4.	11-053501-000		Key (5 mm x 5 mm x 25 mm)
5.	11-051028-001		Hex Hd. Cap Screw (6 mm x 25 mm)
6.	11-052048-001		Flat Washer (6.4 mm)
7.	99-040113-002	N.A.	Distributor Motor (1/2 H.P., 230VAC/380VAC)
	99-076363-000	R.O.	Distributor Motor (1/2 H.P., 230VAC/380VAC)
	99-040295-004	N.A.	Distributor Motor (1/2 H.P., 208VAC)
	99-076362-000	R.O.	Distributor Motor (208VAC, 0.37kW)
8.	47-070167-004		Bracket
9.	47-075147-003		Motor Mount Bracket
10.	47-095923-004		Tension Spring
11.	11-051743-001		Locknut (6 mm)
12.	99-010102-004		Bearing
13.	11-052036-001		Flat Washer (15 mm)
14.	11-054300-001		Cotter Pin
15.	11-680925-000	N.A.	Strain Relief (for all drum brake motors)
	11-055080-000		Strain Relief (for all disc brake motors)
16.	11-051022-001		Hex Hd. Cap Screw (6 mm x 30 mm)
17.	11-055400-000		Circlip

N.A. = No Longer Available
R.O. = Replacement Option

* Replaces 47-073740-004 and 47-071445-004 Single Sheave Motor Drive Pulleys.

Distributor Motor and Mount Assembly



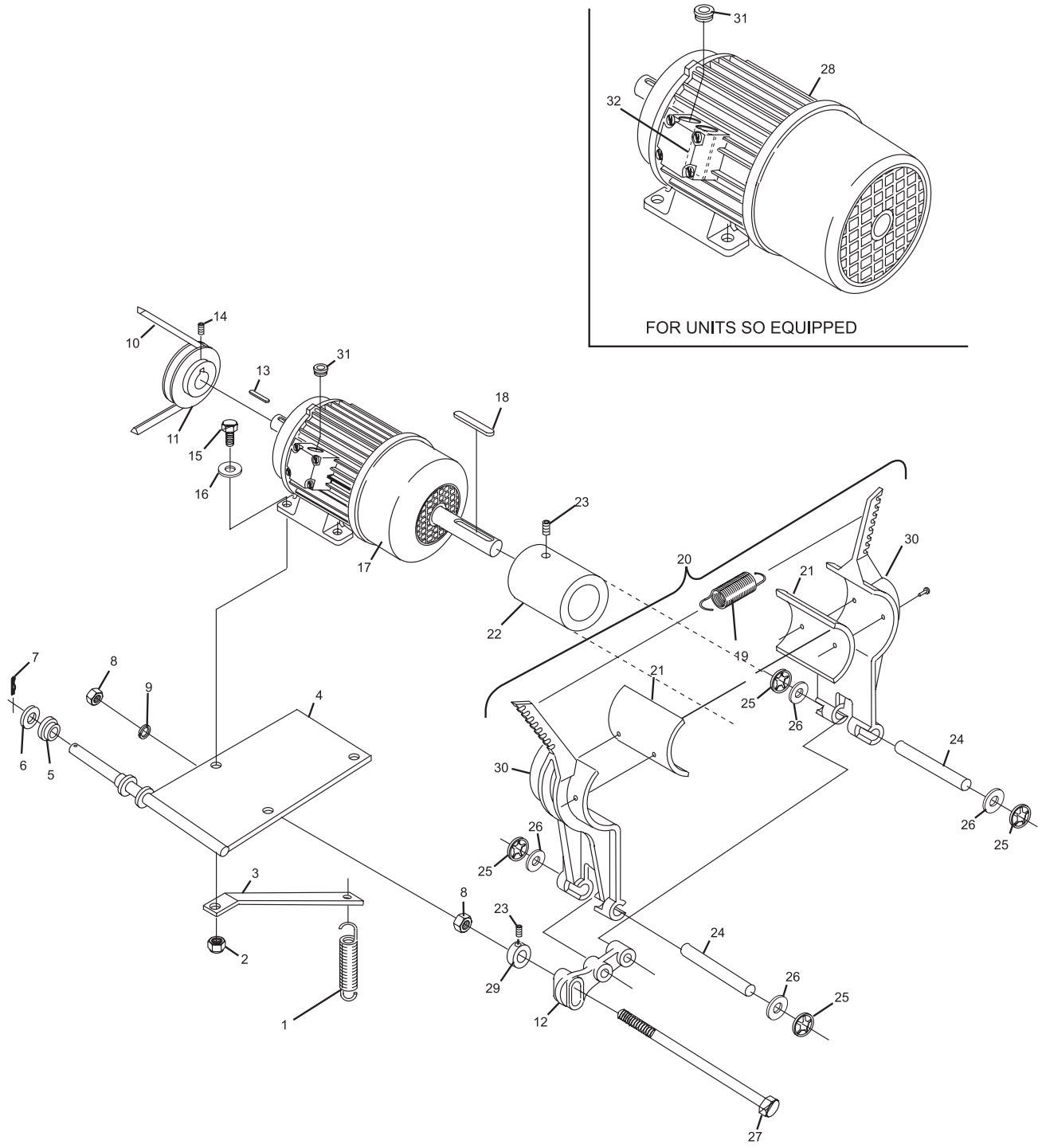
Distributor Motor and Mount Assembly

Index No.	Part No.		Description
1.	99-020163-004		Tension Spring
2.	11-051743-001		Locknut (6 mm)
3.	47-071362-004		Bracket
4.	47-075147-003		Motor Mount Bracket
5.	99-010102-004		Bearing
6.	11-052036-001		Flat Washer (15 mm)
7.	11-054301-001	N.A.	Hitch Pin
	47-861032-001	R.O.	Cotter Pin (25 mm x 62 mm) Pkg. of 10
8.	11-051703-001		Hex Nut (10 mm)
9.	11-051771-001		Lockwasher (10 mm)
10.	11-053901-000		V-Belt (10 mm x 6 mm x 875 mm)
11.	*47-073862-004		Motor Drive Pulley (50 or 60 Hz)
12.	47-073785-004	N.A.	Strap Joint
13.	11-053499-000	N.A.	Key (4 mm x 4 mm x 18 mm)
14.	11-053101-000		Set Screw (6 mm x 8 mm)
15.	11-051028-001		Hex Hd. Cap Screw (6 mm x 25 mm)
16.	11-052048-001		Flat Washer (6.4 mm)
17.	N.A.		Motor (1/4 H.P., replaced by index number 28)
18.	11-053500-000		Key (4 mm x 4 mm x 20 mm)
19.	46-070378-004	N.A.	Tension Spring
20.	N.A.		Brake Assembly
21.	47-071820-004	N.A.	Shoe
22.	47-071558-004	N.A.	Spiral Brake Pulley
23.	11-052802-001		Set Screw (5 mm x 8 mm)
24.	N.A.		Shaft (8 mm x 55 mm)
25.	11-053478-001	N.A.	Speed Nut (8 mm)
	47-861050-000	R.O.	Speed Nut (8 mm) Pkg. of 10
26.	11-052017-001		Flat Washer (8.4 mm)
27.	11-051059-001		Hex Hd. Cap Screw (10 mm x 110 mm)
28.	99-040241-004	N.A.	Sweep Motor - Siemens Motor (1/4 H.P.) w/Integral Brake (230/400VAC, 0.18 kW)
	99-076367-000	R.O.	Sweep Motor (230/400VAC, 0.18kW)
	99-040293-004	N.A.	Sweep Motor (1/4 H.P.) w/Integral Brake (208VAC)
	99-076366-000	R.O.	Sweep Motor (208VAC, 0.18kW)
29.	11-053617-001		Stop Collar (10 mm)
30.	47-073786-003	N.A.	Shoe Holder
31.	11-680925-000	N.A.	Strain Relief (all drum and external brake motors)
	11-055080-000		Strain Relief (all disc brake motors)
32.	99-070408-004	N.A.	PCB for New Brake Motor
33.	**N/A		Brake Motor Repair Kit

N.A. = No Longer Available
R.O. = Replacement Option

* Replaces 47-0711364-004 and 47-073739-004 Motor Drive Pulleys.
** Not Illustrated

Sweep Motor and Brake Assembly



Sweep Motor and Brake Assembly

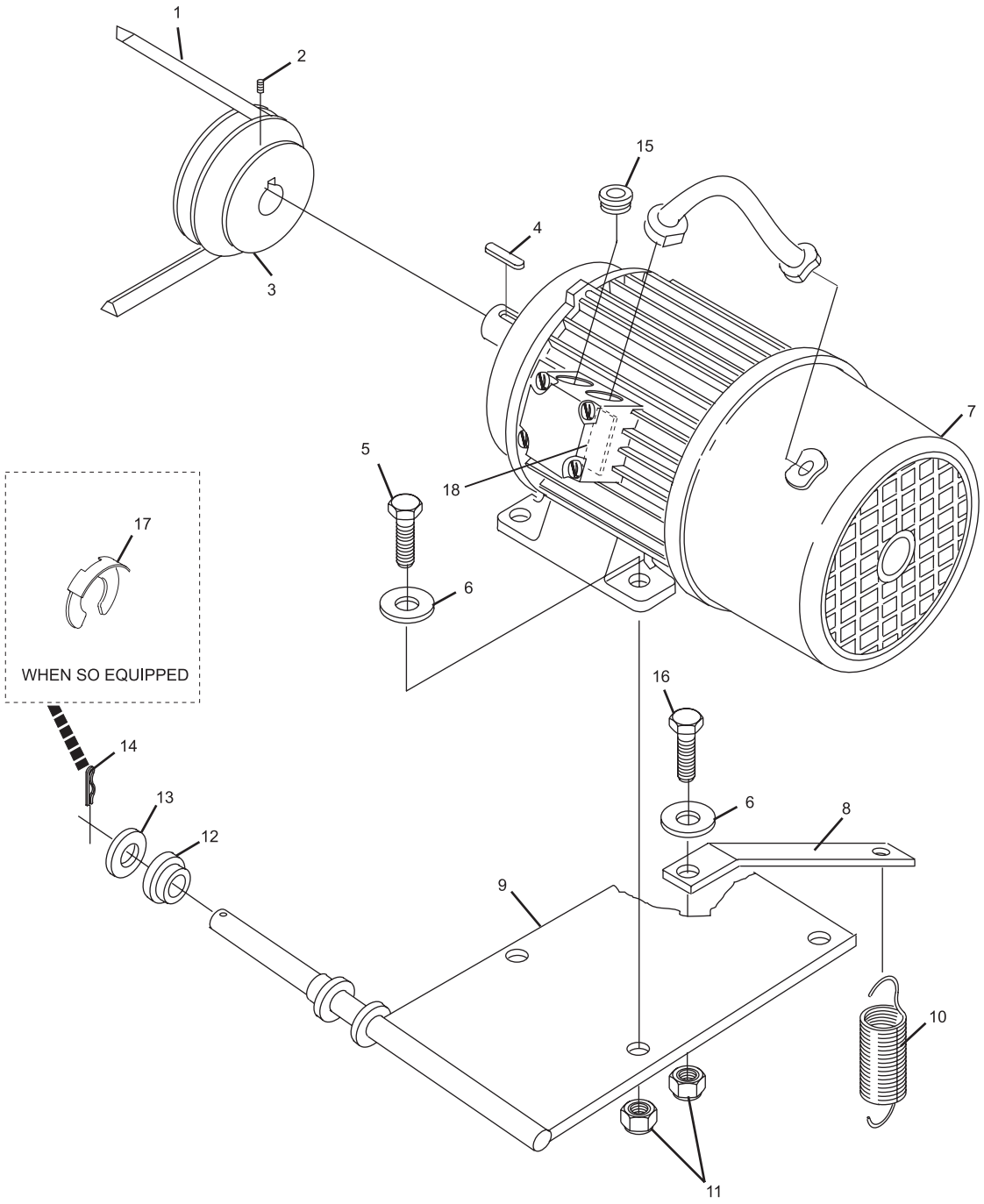
Index No.	Part No.		Description
1.	11-053902-000		V-Belt (Setting Table Motor)
2.	11-053100-000		Set Screw (5 mm x 8 mm)
3.	*47-073866-004		Motor Drive Pulley (dual sheave, 50 or 60 Hz)
4.	11-053501-000		Key (5 mm x 5 mm x 25 mm)
5.	11-051028-001		Hex Hd. Cap Screw (6 mm x 25 mm)
6.	11-052048-001		Flat Washer (6.4 mm)
7.	99-040116-002	N.A.	Motor (1/2 H.P., 230VAC/380VAC)
	99-076365-000	R.O.	Setting Table Motor (230VAC/400VAC, 0.37 kW)
	99-040294-004	N.A.	Motor (1/2 H.P., 208VAC)
	99-076364-000	R.O.	Setting Table Motor (208V, 0.37kW)
8.	47-070167-004		Bracket
9.	47-075147-003		Motor Mount Bracket
10.	99-020163-004		Spring
11.	11-051743-001		Locknut (6 mm)
12.	99-010102-004		Bearing
13.	11-052036-001		Flat Washer (15 mm)
14.	11-054301-001	N.A.	Hitch Pin
	47-861032-001	R.O.	Cotter Pin (25 mm x 62 mm) Pkg. of 10
15.	11-680925-000	N.A.	Strain Relief (all drum brake motors)
	11-055080-000	N.A.	Strain Relief (all disc brake motors)
16.	11-051022-001		Hex Hd. Cap Screw (6 mm x 30 mm)
17.	11-055400-000		Circlip
18.	99-070408-004	N.A.	Motor PCB
19.	**99-070407-004	N.A.	New Brake Kit

N.A. = No Longer Available
R.O. = Replacement Option

* Replaces 47-073740-004 and 47-071445-004 Single Sheave Motor Drive Pulleys.

** Not Illustrated

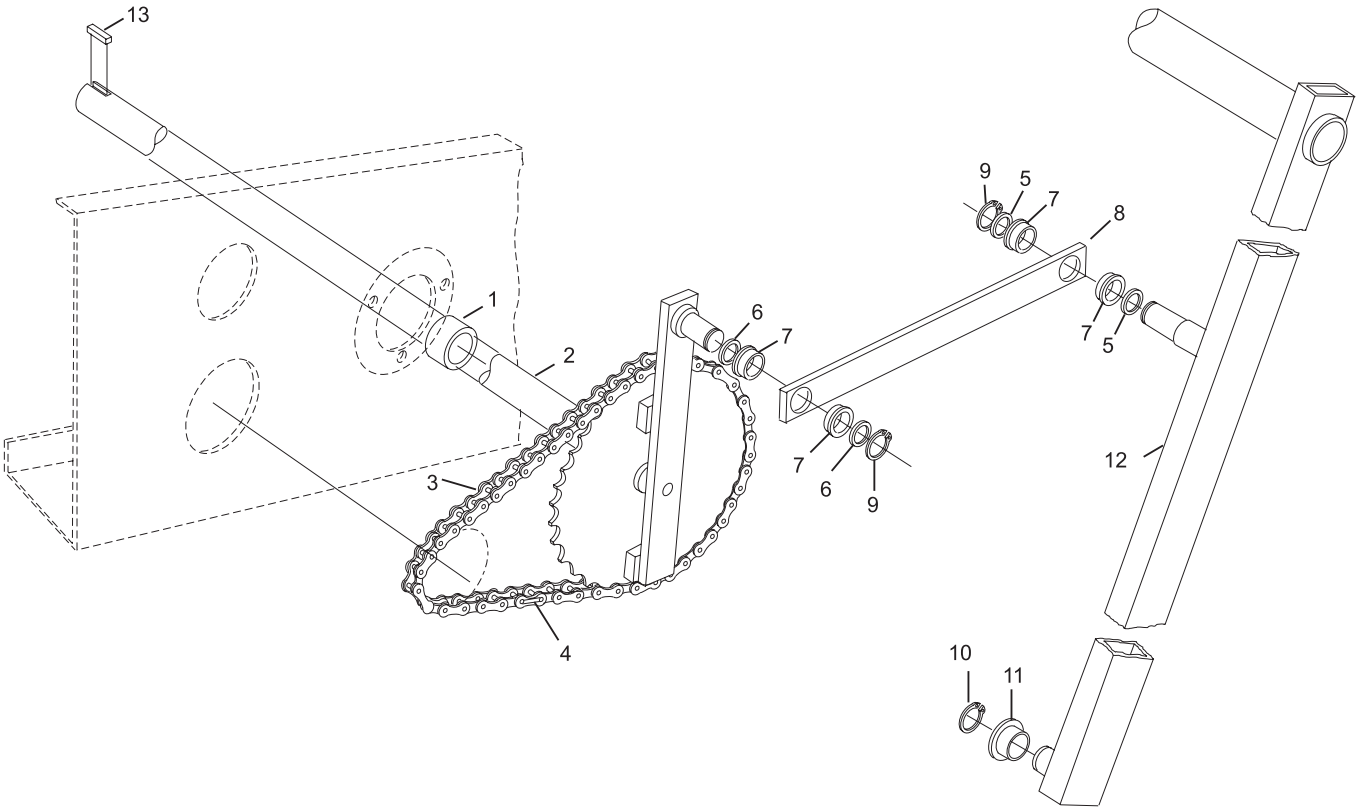
Setting Table
Stop Motor and Mount Assembly



Setting Table
Stop Motor and Mount Assembly

Index No.	Part No.	Description
1.	47-070171-004	Spacer Bushing (18.5 mm)
2.	47-071219-003	Gear and Shaft
3.	11-601006-000	50 Link Chain
4.	11-600501-000	Connecting Link (3 pieces)
5.	11-052056-001	Flat Washer (20 mm)
6.	11-052038-001	Flat Washer (21 mm)
7.	99-010217-004	Bushing
8.	47-045192-004	Flat Connecting Link
9.	11-051853-001	Retaining Ring (20 mm)
10.	11-051869-000	Retaining Ring (15 mm)
11.	99-010103-004	Bushing
12.	47-041530-002	Sweep Shaft
13.	11-053495-000	Key (8 mm x 7 mm x 40 mm)

Sweep Drive Assembly



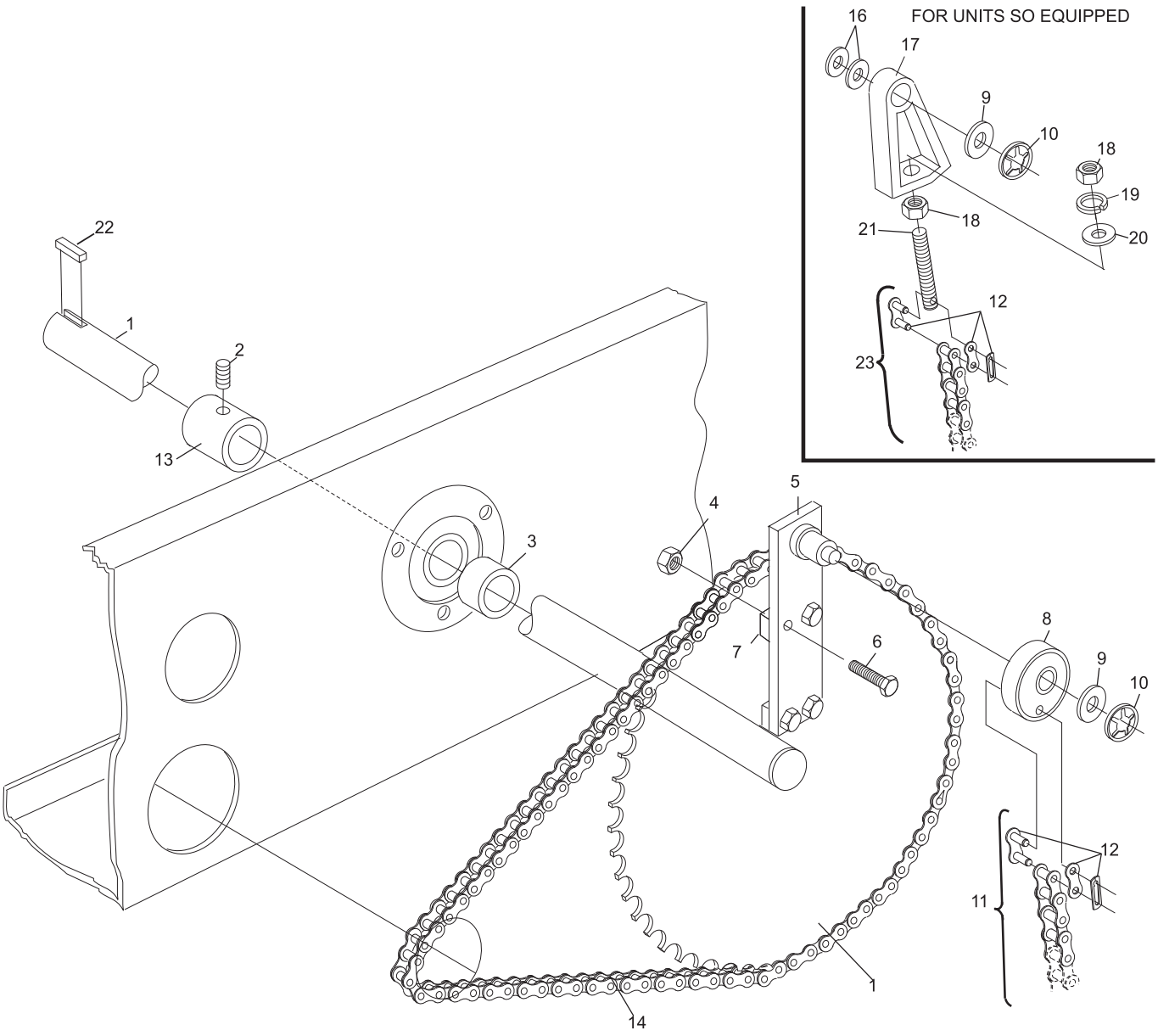
Sweep Drive Assembly

Index No.	Part No.		Description
1.	47-072063-003		Main Drive Shaft/Gear (non tower down) - Series 442 and below
	47-075485-003		Main Drive Shaft/Gear (tower down) - Series 443 and above
2.	11-052801-001		Set Screw (6 mm x 6 mm)
3.	47-073508-004		Spacer Bushing
4.	11-053151-001		Hex Hd. Jam Nut (8 mm)
5.	47-072065-004		Shaft Plate
6.	11-051015-001		Hex Hd. Cap Screw (8 mm x 25 mm)
7.	47-072061-004		Spacer Plates
8.	47-075352-004		Pivot Bearing
9.	11-052050-001		Flat Washer (10.5 mm)
10.	11-053480-001		Speed Nut (10 mm)
11.	47-045487-004		Chain - Master Link Included (25 Link -Tower Down Machine)
12.	11-600500-000		Connecting Link (standard)
13.	47-070172-004		Stop Collar
14.	11-601008-000		Roller Chain (77 Link)
15.	*47862803-000	N.A.	Chain Lube (spray can)
	G34205116-000	R.O.	Chain Lube (12 oz can)
16.	11-154106-001	S.O.	Spacer (18 mm x 30 mm x 1 mm)
17.	47-071343-004		Clevis
18.	11-051706-001		Hex Nut (12 mm)
19.	11-051772-001		Lockwasher (12 mm)
20.	11-052047-001		Flatwasher (13 mm)
21.	47-071975-004		Threaded Rod
22.	11-053495-000		Key (8 mm x 7 mm x 40 mm)
23.	11-601005-000		Chain - Master Link Included (21 Link -Tower Up Machine)

N.A. = No Longer Available
R.O. = Replacement Option
S.O. = Special Order

* Not Illustrated

Main Drive Shaft Assembly

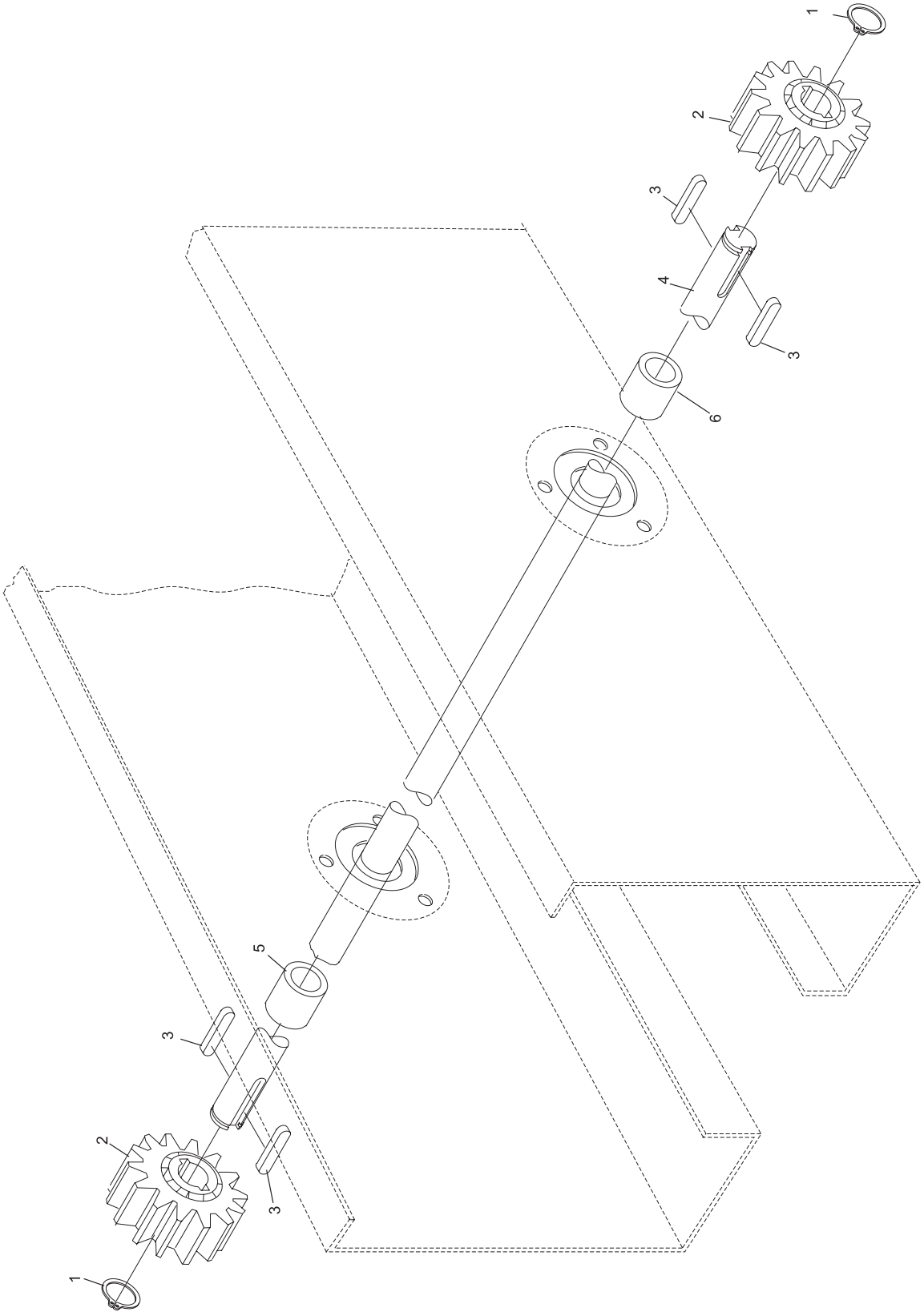


Main Drive Shaft Assembly

Index No.	Part No.		Description
1.	11-051856-001		Retaining Ring (25 mm)
2.	N.A.		Pinion Gear (Plastic)
	47-071449-604	N.A.	Sintered Iron Pinion Gear
	47-071449-609	R.O.	Pkg. Metal Pinion Gear
3.	11-053495-000		Key (8 mm x 7 mm x 40 mm)
4.	47-071452-004		Shaft
5.	47-073584-004		R.H. Spacer Bushing (61.5 mm)
6.	47-071451-004		L.H. Spacer Bushing (43.5 mm

N.A. = No Longer Available
R.O. = Replacement Option

Setting Table Pinion Shaft Assembly



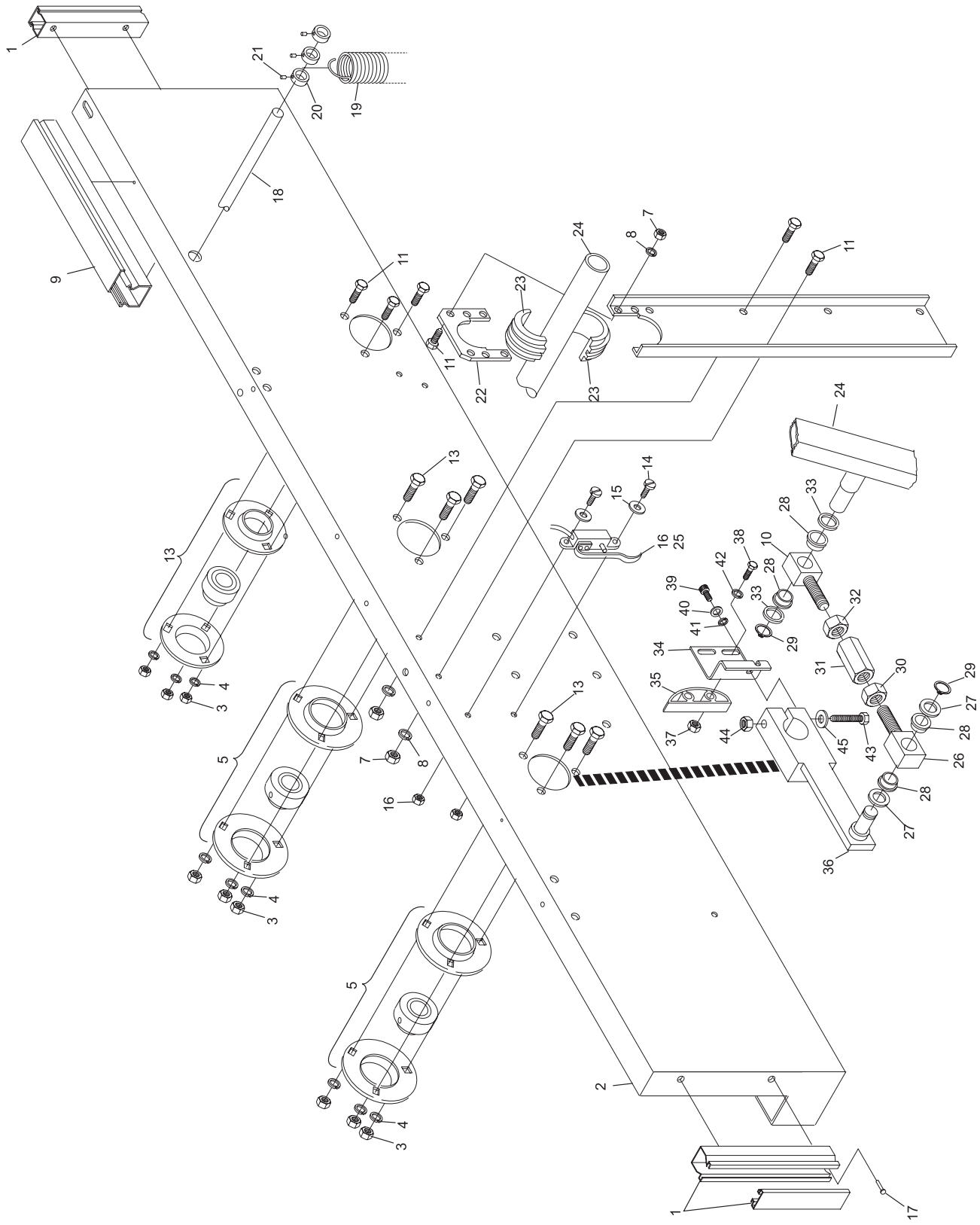
Setting Table Pinion Shaft Assembly

Index No.	Part No.		Description
1.	47-073791-004		Cable Channel (20 mm x 185 mm)
2.	47-071564-001		R.H. Gear Train Frame
3.	11-051703-001		Hex Nut (10 mm)
4.	11-051771-001		Lockwasher (10 mm)
5.	11-052902-000		Shaft Bearing
6.	***11-052901-000		Shaft Bearing
7.	11-051704-001		Hex Nut (8 mm)
8.	11-051770-001		Lockwasher (8 mm)
9.	47-073797-004		Cable Channel (30 mm x 1800 mm)
10.	47-041215-004		Connecting Rod (left-hand thread)
11.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
12.	***47-070186-003		Sweep Shaft Support
13.	11-051005-001		Hex Hd. Cap Screw (10 mm x 20 mm)
14.	11-052201-001	N.A.	Sltd. Machine Screw (4 mm x 10 mm)
15.	11-052025-001		Flat Washer (4.3 mm)
16.	99-050229-004		Switch (Red Box)
17.	N.A.		Pop Rivet
18.	47-052123-004		Spring Shaft
19.	47-052120-004		Tension Spring
20.	11-053624-000	N.A.	Stop Collar (20 mm)
21.	11-052803-001		Set Screw (6 mm x 10 mm)
22.	47-081958-004		Sweep Bearing Holder
23.	47-081959-003		Sweep Shaft Bearing
24.	47-041530-002		Sweep Shaft
25.	47-243026-004		Switch (silver, consolidated and nexgen electronics box)
26.	47-043588-001	N.A.	Connecting Rod (R.H. thread)
27.	11-052038-001		Flat Washer (20 mm)
28.	99-010217-004		Bushing
29.	11-051853-001		Retaining Ring (20 mm)
30.	11-054201-001		L.H. Hex Nut (16 mm)
31.	47-040162-004		Turnbuckle Nut
32.	11-051707-001		R.H. Hex Nut (16 mm)
33.	11-052056-001		Flat Washer (21 mm)
34.	*N.A.		Cam Holder
35.	*N.A.		Cam
36.	47-071529-003		Crank
37.	11-051742-001		Locknut (5 mm)
38.	11-051030-001		Hex Hd. Cap Screw (5 mm x 20 mm)
39.	11-051509-001		Socket Hd. Cap Screw (6 mm x 12 mm)
40.	11-051769-001		Lockwasher (6 mm)
41.	11-052048-001		Flat Washer (6.4 mm)
42.	11-052020-001		Flat Washer (5.3 mm)
43.	11-051057-001		Hex Hd. Cap Screw (10 mm x 60 mm)
44.	11-051745-001		Locknut (10 mm)
45.	11-052024-001	N.A.	Flat Washer (13 mm)
	47-861010-001	R.O.	Flat Washer (13 mm) Pkg. of 20
46.	***47-075132-003		Cam Assembliy

N.A. = No Longer Available
R.O. = Replacement Option

* See index number 46.
** Includes index nos. 34, 35, 37, 38, and 42.
*** Not Illustrated

Right Drive Frame Assembly

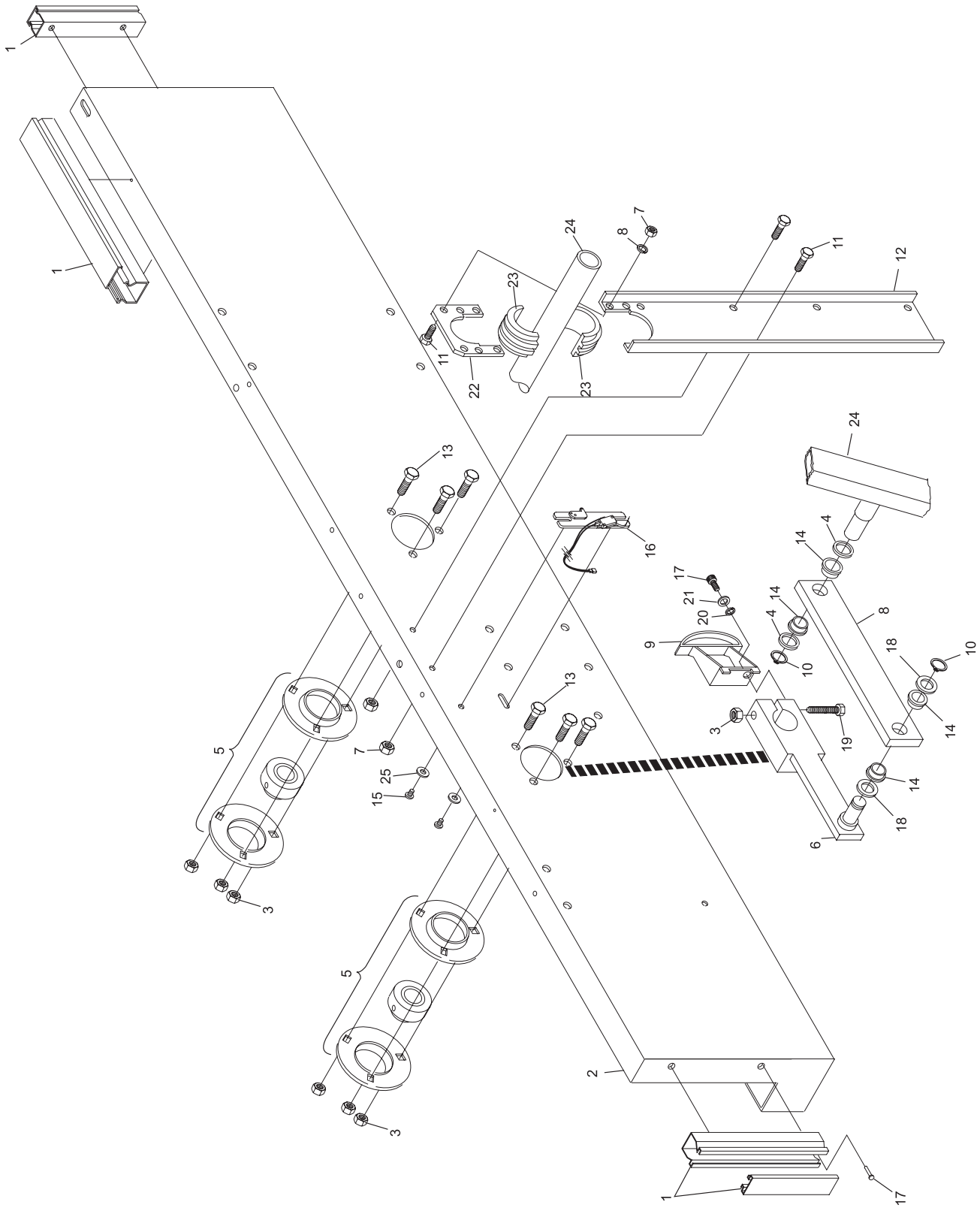


Right Drive Frame Assembly

Index No.	Part No.		Description
1.	47-084284-004		Cable Channel (1 meter cut to length)
2.	47-075453-001	N.A.	R.H. Gear Train Frame
3.	11-051745-001		Locknut (10 mm)
4.	11-052056-001		Flat Washer (20 mm)
5.	11-052902-000		Shaft Bearing
6.	47-071529-003		Sweep Crank
7.	11-051744-001		Locknut (8 mm)
8.	47-045192-004		Crank
9.	47-075132-003		Cam
10.	11-051853-001		Retaining Ring (20 mm)
11.	11-051010-001		Hex Hd. Cap Screw (8 mm x 20 mm)
12.	47-070186-003		Sweep Shaft Support
13.	11-051005-001		Hex Hd. Cap Screw (10 mm x 20 mm)
14.	99-010107-004		Bushing
15.	11-055151-001	N.A.	Screw
	11-055151-000	R.O.	Self Tapping Screw
16.	47-243026-004		Switch (silver box, consolidated and nexgen electronics box)
17.	11-051509-001		Socket Hd. Cap Screw (6 mm x 12 mm)
18.	11-052038-001		Flat Washer (20 mm)
19.	11-051087-001	N.A.	Hex Hd. Cap Screw (10 mm x 65 mm)
20.	11-052048-001		Flat Washer (6.4 mm)
21.	11-051769-001		Lockwasher (6 mm)
22.	47-081958-004		Sweep Bearing Holder
23.	47-081959-003		Sweep Shaft Bearing
24.	47-045458-002		Sweep Shaft
25.	11-052021-001		Flat Washer (4.3 mm)

N.A. = No Longer Available
R.O. = Replacement Option

Right Drive Frame Assembly
(Machine Series 443 and Above)



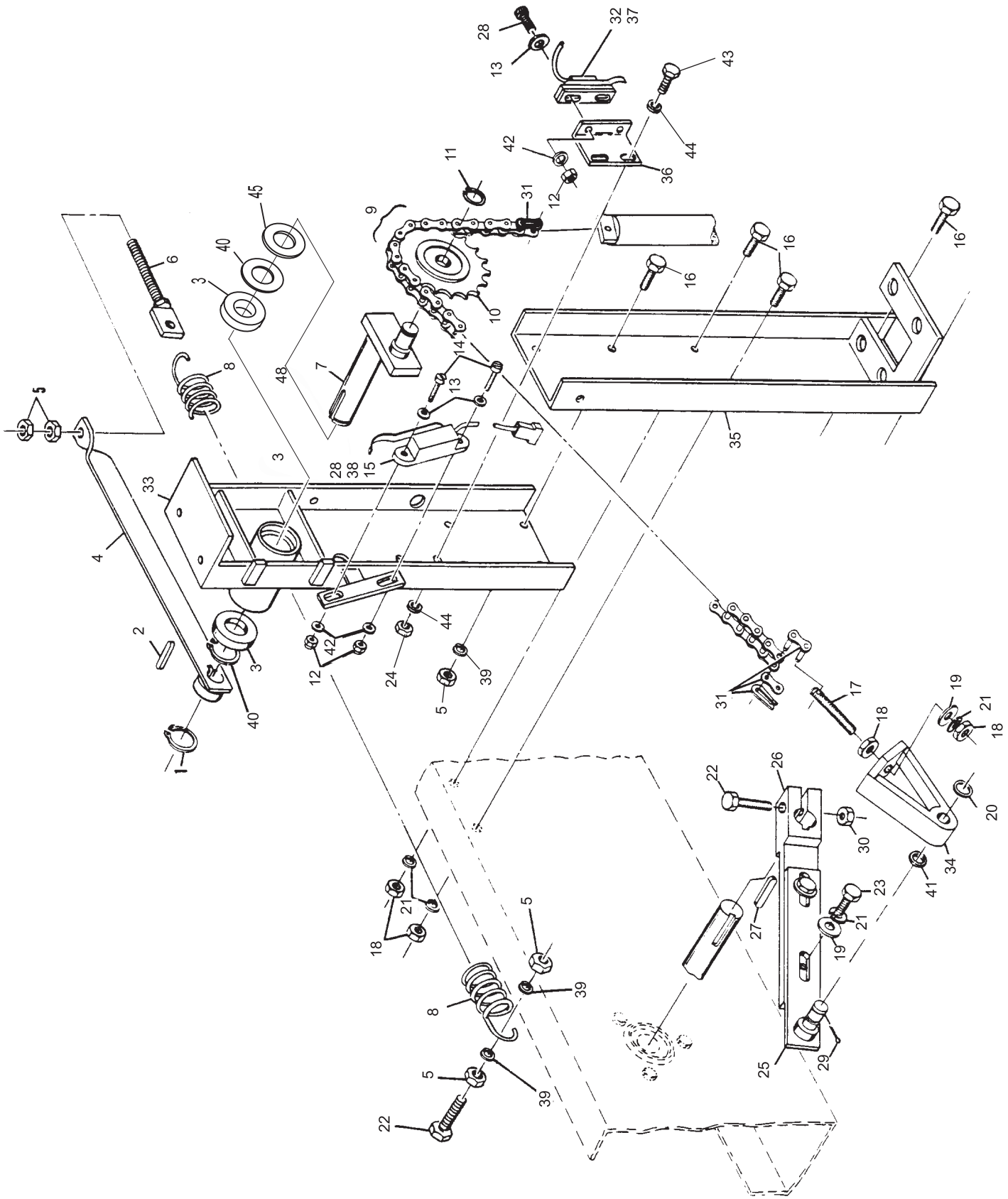
Right Drive Frame Assembly
(Machine Series 443 and Above)

Index No.	Part No.		Description
1.	11-051856-001		Retaining Ring (25 mm)
2.	11-053497-000		Key (8 mm x 7 mm x 32 mm)
3.	11-430052-000		Bearing
4.	47-071589-003		Jam Lever
5.	11-051703-001		Hex Nut (10 mm)
6.	47-071593-004	N.A.	Tension Screw
7.	47-071591-004		Sprocket Shaft
8.	55-050635-004		Tension Spring
9.	11-601007-000		Roller 64 (Link Chain)
10.	47-011053-004		Sprocket
11.	11-051852-001		Retaining Ring (17 mm)
12.	11-051741-001		Locknut (4 mm)
13.	11-052025-001		Flat Washer (4.3 mm)
14.	11-052207-001	N.A.	Slotted Machine Screw (4 mm x 12 mm)
	47-861015-001	R.O.	Slotted Machine Screw (4 mm x 12 mm) Pkg. of 20
15.	99-050229-004		Switch (Red Box only)
16.	11-051005-001		Hex Hd. Cap Screw (10 mm x 20 mm)
17.	47-071975-004		Threaded Connector
18.	11-051706-001		Hex Nut (12 mm)
19.	11-052024-001	N.A.	Flat Washer (13 mm)
	47-861010-001	R.O.	Flat Washer (13 mm) Pkg. of 20
20.	11-054106-001	N.A.	Flat Washer (18 mm)
	47-861031-001	R.O.	Flat Washer (18 mm) Pkg. of 10
21.	11-051772-001		Lockwasher (12 mm)
22.	11-051057-001		Hex Hd. Cap Screw (10 mm x 60 mm)
23.	11-051009-001		Hex Hd. Cap Screw (12 mm x 30 mm)
24.	11-051742-001		Locknut (5 mm)
25.	47-071341-003		Crank Arm
26.	47-071342-003		Crank
27.	11-053495-000		Key (8 mm x 7 mm x 40 mm)
28.	11-052206-001		Slotted Machine Screw (4 mm x 25 mm)
29.	11-051786-001		Cotter Pin (2.5 mm x 25 mm)
30.	11-051745-001		Locknut (10 mm)
31.	11-600500-000		Master Link Assembly (3 Pieces)
32.	99-050230-004		Switch (Red Box)
33.	47-072360-002		Guide Beam (Upper)
34.	47-071343-004		Clevice
35.	47-072361-003		Guide Beam (Lower)
36.	47-072362-004		Support Bracket
37.	47-243027-004		Switch (silver box, consolidated and nexgen)
38.	47-243026-004		Switch (silver box, consolidated and nexgen)
39.	11-051771-001		Lockwasher (10 mm)
40.	*11-054102-001	N.A.	Shim
	*47-861028-001	R.O.	Shim Washer, Pkg. of 10
41.	11-052009-001		Flat Washer (17 mm)
42.	11-052021-001		Flat Washer (4.3 mm)
43.	11-051003-001	N.A.	Hex Hd. Cap Screw (5 mm x 16 mm)
44.	11-052020-001		Flat Washer (5.3 mm x 12 mm x 0.8 mm)
45.	47-071595-004		Distance Washer

N.A. = No Longer Available
R.O. = Replacement Option

* Shim as required.

Two Piece
Guide Tower Assembly



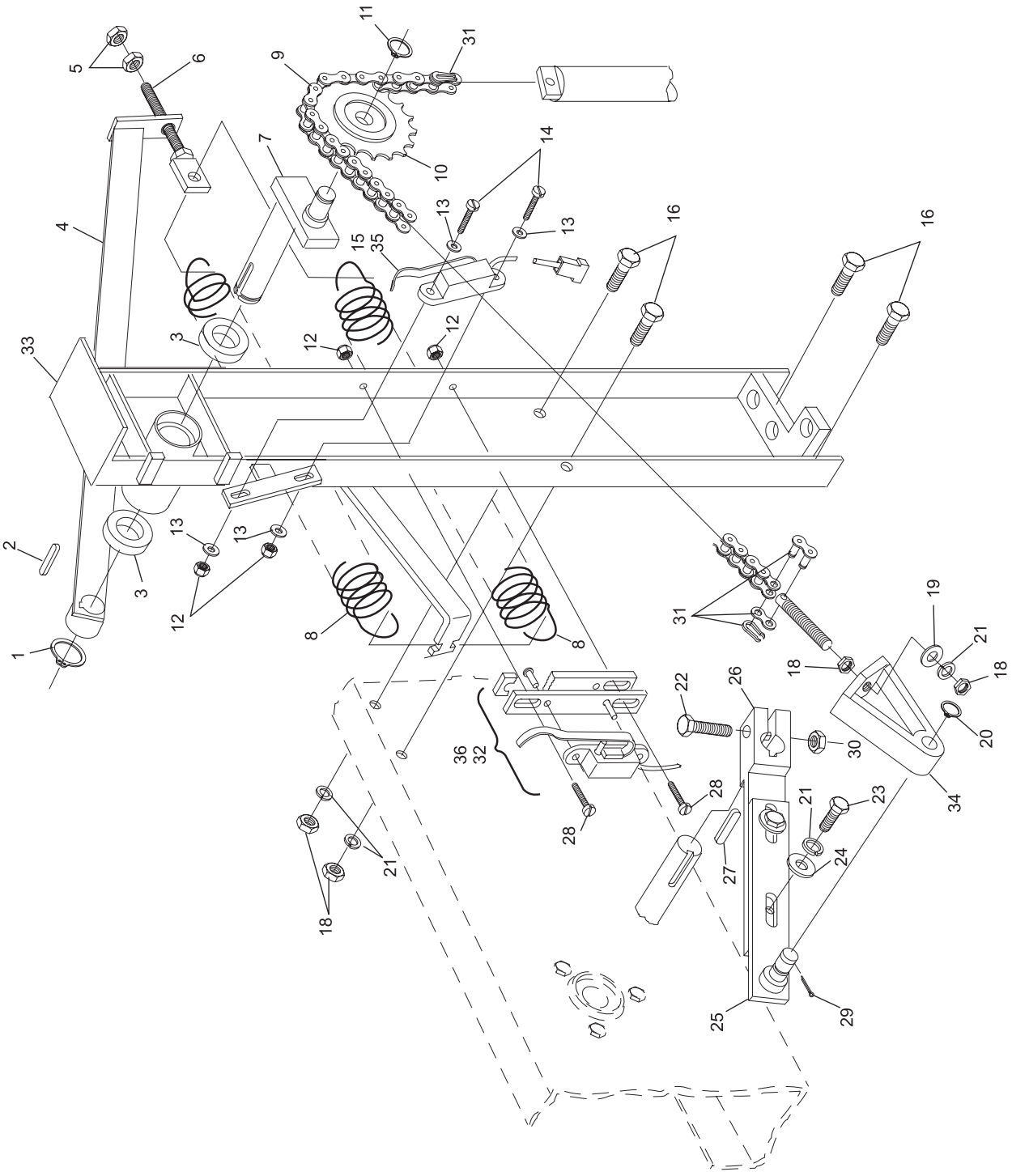
Two Piece
Guide Tower Assembly

Index No.	Part No.		Description
1.	11-051856-001		Retaining Ring (25 mm)
2.	11-053497-000		Key (8 mm x 7 mm x 32 mm)
3.	11-430052-000		Bearing
4.	47-071589-003		Jam Lever
5.	11-051703-001		Hex Nut (10 mm)
6.	N.A.		Tension Screw
7.	47-071591-004		Sprocket Shaft
8.	55-050635-004		Spring
9.	11-601007-000		Roller Chain (64 Link)
10.	47-011053-004		Sprocket
11.	11-051852-001		Retaining Ring (17 mm)
12.	11-051741-001		Locknut (4 mm)
13.	11-052025-001		Flat Washer (4.3 mm)
14.	11-052207-001	N.A.	Slotted Machine Screw (4 mm x 12 mm)
	47-861015-001	R.O.	Slotted Machine Screw (4 mm x 12 mm) Pkg. of 20
15.	99-050229-004		Switch (red box only)
16.	11-051005-001		Hex Hd. Cap Screw (10 mm x 20 mm)
17.	47-071975-004		Threaded Connector
18.	11-051706-001		Hex Nut (12 mm)
19.	11-052024-001	N.A.	Flat Washer (13 mm)
	47-861010-001	R.O.	Flat Washer (13 mm) Pkg. of 20
20.	11-052052-001		Flat Washer (18 mm)
21.	11-051772-001		Lockwasher (12 mm)
22.	11-051057-001		Hex Hd. Cap Screw (10 mm x 60 mm)
23.	11-051009-001		Hex Hd. Cap Screw (12 mm x 30 mm)
24.	11-052053-001	N.A.	Flat Washer (17 mm)
	47-861011-001	R.O.	Flat Washer (17 mm) Pkg. of 10
25.	47-071341-003		Crank Arm
26.	47-071342-003		Crank
27.	11-053495-000		Key (8 mm x 7 mm x 40 mm)
28.	11-052206-001		Slotted Machine Screw (4 mm x 25 mm)
29.	11-051786-001		Split Pin (2.5 mm x 25 mm)
30.	11-051745-001		Locknut (10 mm)
31.	11-600500-000		Master Link (3 pieces)
32.	99-050230-004		Switch (red box)
33.	*N.A.		Guide Beam
34.	47-071343-004		Clevice
35.	47-243026-004		Switch (silver box, consolidated and nexgen)
36.	47-243027-004		Switch (ssilver box, consolidated and nexgen)

N.A. = No Longer Available
R.O. = Replacement Option

* Order two piece guide beam on page 28G to replace single piece guide beam.

One Piece
Guide Tower Assembly



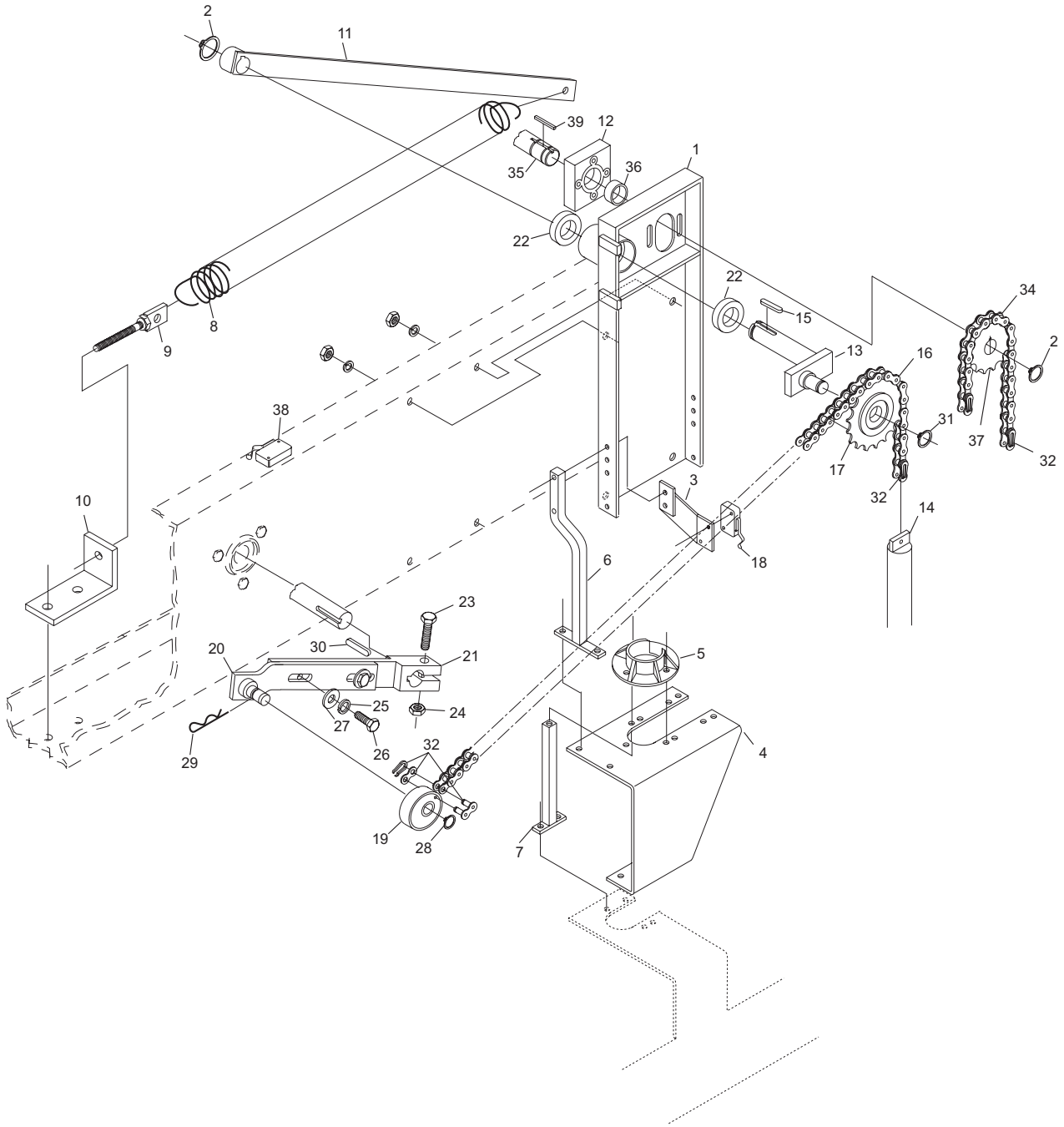
One Piece
Guide Tower Assembly

Index No.	Part No.		Description
1.	47-075482-002		Guide Beam
2.	11-051856-001		Retaining Ring (25 mm)
3.	47-075473-003		Switch Support
4.	47-085436-003		R.H. Guide Support Bracket
	47-085430-003		L.H. Guide Support Bracket
5.	47-085349-003		Tube Guide
6.	47-085449-003		Support Rod
7.	47-085446-003	N.A.	Support
	47-085446-004	R.O.	Support
8.	55-050635-004		Tension Spring
9.	47-074717-004		Adjustment Screw
10.	47-075432-004		Spring Bracket
11.	47-075475-004		Lever
12.	47-085348-003		Bearing Housing
13.	47-071591-004		Sprocket Shaft
14.	47-070386-004		Counter Weight
15.	11-053507-000		Key (8 mm x 7 mm x 30 mm)
16.	47-075488-004		5/8” Chain (51 links and 2 connection links)
17.	47-011053-004		Sprocket
18.	47-243028-004		O.O.R. Switch (consolidated and nexgen electronics box)
19.	47-075352-004		Pivot Bearing
20.	47-075357-003		Crank Arm
21.	47-075356-003		Crank
22.	11-430052-000		Bearing
23.	11-051070-001		Hex Head Cap Screw (12 mm x 60 mm)
24.	11-051747-001		Locknut (12 mm)
25.	11-051772-001		Lockwasher (12 mm)
26.	11-051062-001		Hex Head Cap Screw (12 mm x 25 mm)
27.	11-052024-001	N.A.	Flat Washer (13 mm)
	47-861010-001	R.O.	Flat Washer (13 mm) Pkg. of 20
28.	11-054106-001	N.A.	Flat Washer (18 mm)
	47-861031-001	R.O.	Flat Washer (18 mm) Pkg. of 10
29.	11-054300-001		Cotter Pin (2 mm)
30.	11-053493-000		Key (8 mm x 7 mm x 45 mm)
31.	11-051852-000	N.A.	Retaining Ring (17 mm)
	11-051852-001	R.O.	Retaining Ring (17 mm)
32.	11-600500-000		Master Link (3-piece)
33.	*47-862803-000	N.A.	Chain Lube (spray can)
	G34-205116-000	R.O.	Pinsetter Chain Lub (12 oz can)
34.	47-075486-004		Chain
35.	47-075476-004		Shaft
36.	11-430051-000		Bearing
37.	47-075474-004	N.A.	Chain Gear
	47-075474-009	R.O.	Chain Gear w/Set Screws
38.	47-243028-004		TS-2 Switch
39.	11-053503-000		Key (8 mm x 7 mm x 28 mm)

N.A. = No Longer Available
R.O. = Replacement Option

* Not Illustrated

Guide Tower Assembly
(Machine Series 443 and Above)

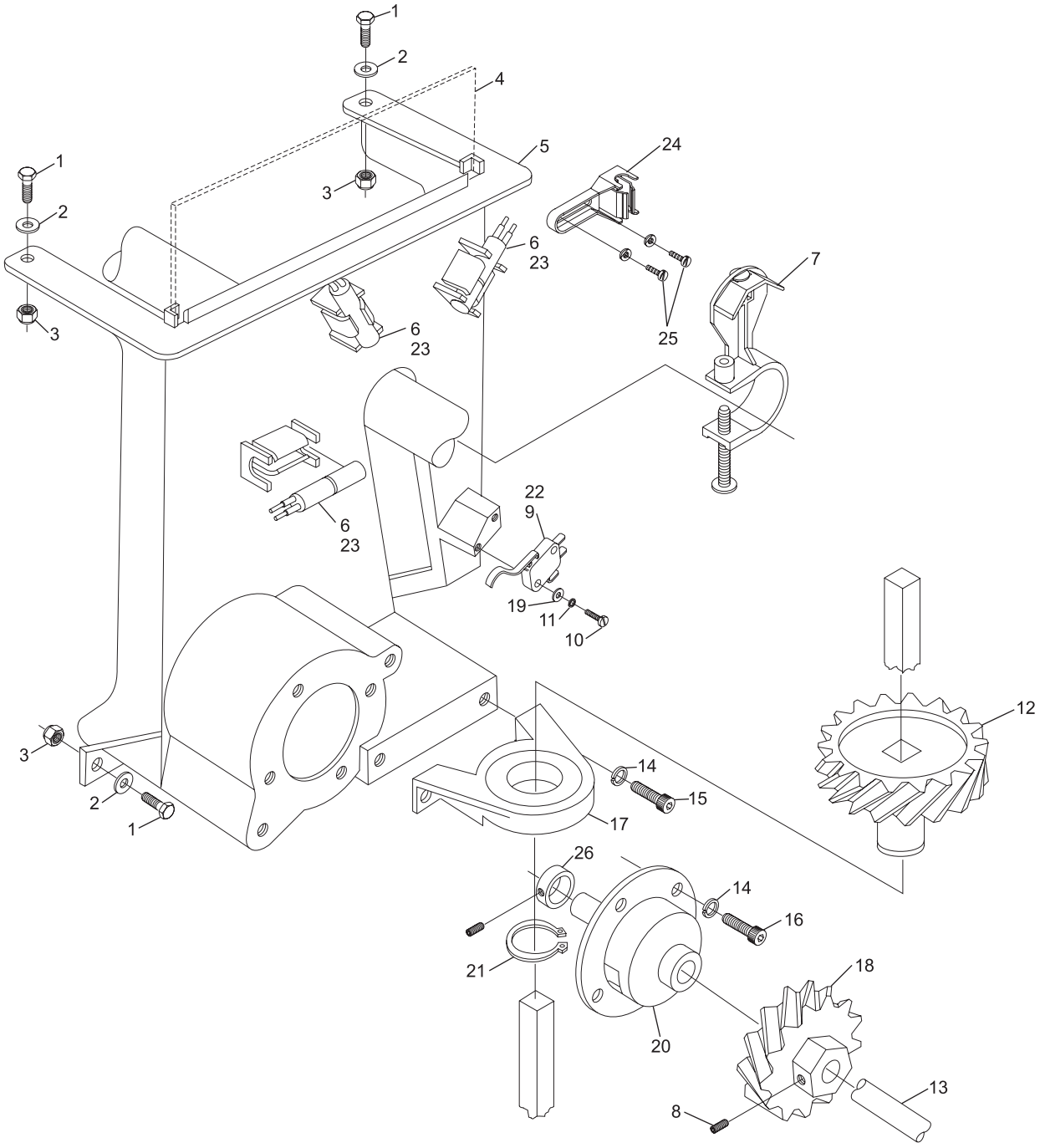


Guide Tower Assembly
(Machine Series 443 and Above)

Index No.	Part No.		Description
1.	11-051035-001		Hex Hd. Cap Screw (6 mm x 16 mm)
2.	11-052048-001		Flat Washer (6.4 mm)
3.	11-051743-001		Locknut (6 mm)
4.	47-210446-000	N.A.	PCB #11 (GS-10)
5.	47-075188-001		Switch Cluster Frame (Fixed B-Switch)
	47-071876-001		Switch Cluster Frame (Adjustable B-Switch)
6.	47-072307-004		Reed Switch (red box electronics)
7.	47-071879-003		Cam
8.	11-052804-001		Set Screw (6 mm x 8 mm)
9.	47-073534-004		Cherry Switch (red box electronics)
10.	11-052204-001		Sltd. Machine Screw (2.5 mm x 16 mm)
11.	11-051766-001		Lockwasher (2.5 mm)
12.	47-071881-004		Square Shaft Drive Gear
13.	47-071883-004		Clutch Shaft
14.	11-051769-001		Lockwasher (6 mm)
15.	11-051514-001		Socket Hd. Cap Screw (6 mm x 16 mm)
16.	11-051509-001		Socket Hd. Cap Screw (6 mm x 12 mm)
17.	47-071578-004		Bearing Block
18.	47-071880-004	N.A.	Spindle Gear
	47-071880-003	R.O.	Spindle Gear
19.	11-052049-001		Flat Washer (2.7 mm x 6.5 mm x .5 mm)
20.	47-071878-003		Spindle Flange
21.	11-051856-001		Retaining Ring (25 mm)
22.	47-243028-004		Cherry Switch (silver, consolidated and nexgen electronics box)
23.	47-243029-004		Reed Switch (silver, consolidated and nexgen electronics box)
24.	99-050181-004		Reed Switch Holder
25.	11-052354-001		Sltd. Pan Hd. Screw (4 mm x 12 mm)
26.	11-053623-001		Stop Collar (12 mm)

N.A.= No Longer Available
R.O. = Replacement Option

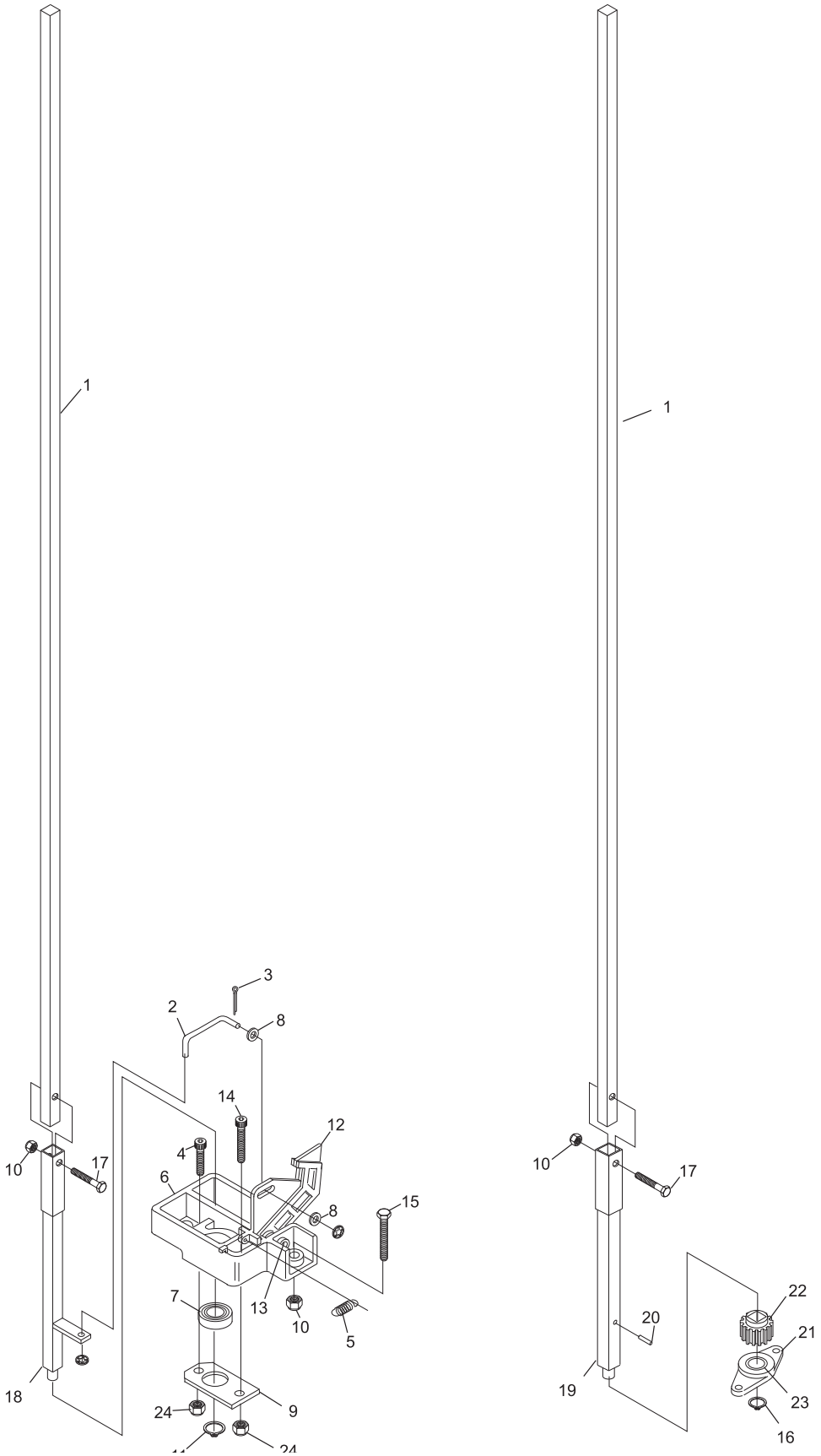
Switch Cluster



Switch Cluster

Index No.	Part No.	Description
1.	47-072340-004	Square Shaft
2.	47-055138-004	Connecting Link (includes 2 speed nuts)
3.	11-051795-001	Cotter Pin (1.6 mm x 16 mm)
4.	11-051522-001	Socket Hd. Cap Screw (5 mm x 16 mm)
5.	47-051782-004	Tension Spring
6.	47-051621-003	Base
7.	11-430046-000	Bearing
8.	11-052025-001	Flat Washer (4.3 mm)
9.	47-051622-004	Bearing Plate
	47-055605-004	Bearing Plate (series 446 and above)
10.	11-051743-001	Locknut (6 mm)
11.	11-051854-001	Retaining Ring (8 mm)
12.	47-051674-004	Latch
13.	47-055151-004	Dowel Pin (8 mm x 24 mm)
14.	11-051514-001	Socket Hd. Cap Screw (6 mm x 16 mm)
15.	11-051024-001	Hex Hd. Cap Screw (6 mm x 70 mm)
16.	11-051855-001	Retaining Ring (10 mm)
17.	11-051028-001	Hex Hd. Cap Screw (6 mm x 25 mm)
18.	47-052337-004	L.H. Square Shaft Bracket (pin release)
19.	47-052334-004	R.H. Square Shaft Bracket (spotting tong)
20.	11-052680-001	Roll Pin (2 mm x 18 mm)
21.	11-430048-000	Bearing
22.	47-071615-004	Square Shaft Gear
23.	47-051625-004	Square Shaft Support
24.	11-051742-001	Self Locking Hex Nut (5 mm)

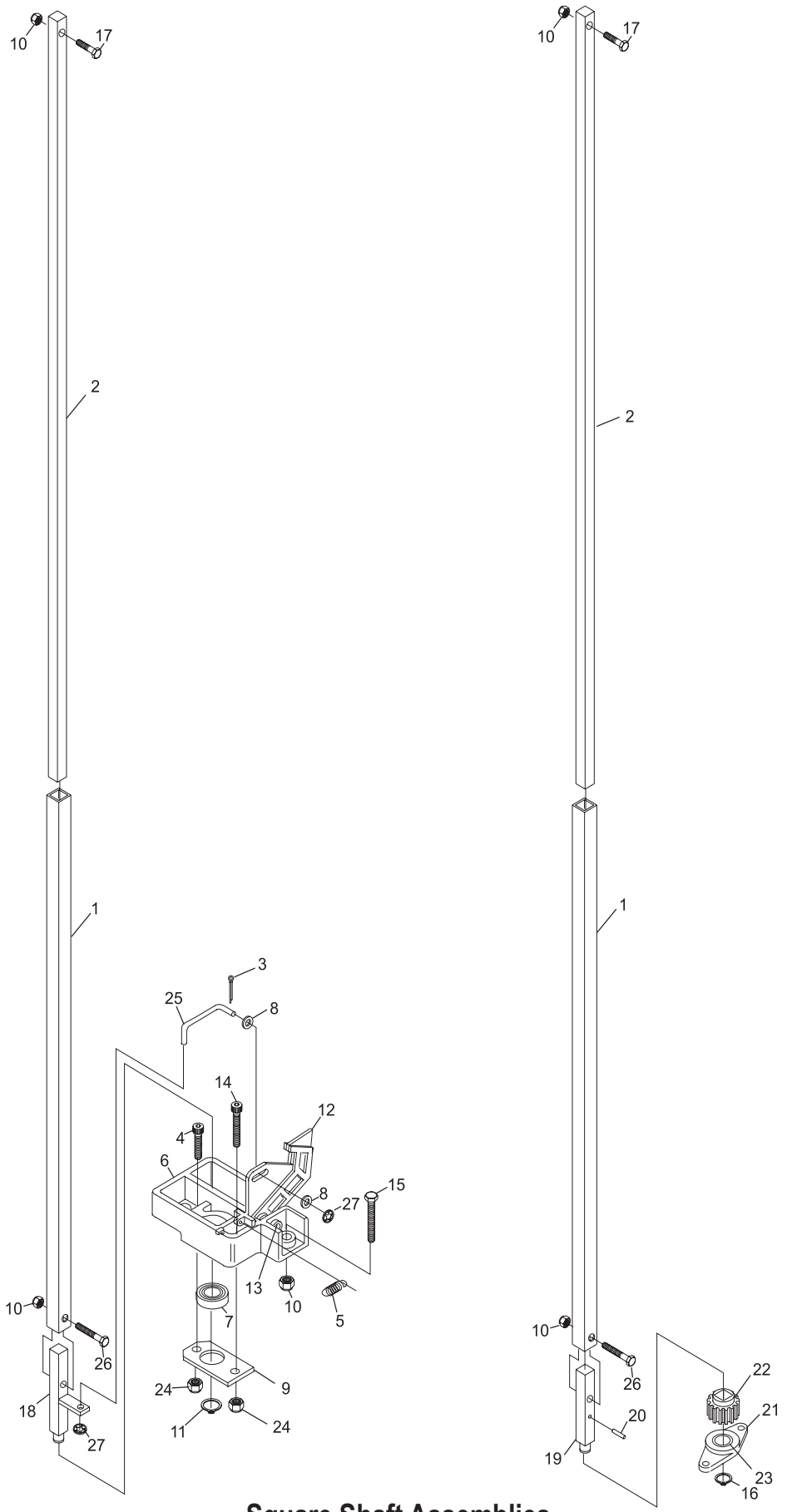
Square Shaft Assemblies (Tower Up) - Series 442 and Prior



Square Shaft Assemblies
(Tower Up) - Series 442 and Prior

Index No.	Part No.		Description
1.	47-055124-004		Square Shaft (16 mm middle)
2.	47-055125-004		Square Shaft (12 mm top)
3.	11-051795-001		Cotter Pin (1.6 mm x 16 mm)
4.	11-051522-001		Socket Hd. Cap Screw (5 mm x 16 mm)
5.	47-051782-004		Tension Spring
6.	47-051621-003		Base
7.	11-430046-000		Bearing
8.	11-052025-001		Flat Washer (4.3 mm)
9.	47-051622-004		Bearing Plate
10.	47-055605-004		Bearing Plate (series 446 and above)
11.	11-051854-001		Retaining Ring (8 mm)
12.	47-051674-004		Latch
13.	47-055151-004		Dowel Pin (8 mm x 24 mm)
14.	11-051514-001		Socket Hd. Cap Screw (6 mm x 16 mm)
15.	11-051024-001		Hex Hd. Cap Screw (6 mm x 70 mm)
16.	11-051855-001		Retaining Ring (10 mm)
17.	11-051030-001		Hex Hd. Cap Screw (5 mm x 20 mm)
18.	47-055127-004		L.H. Bottom Shaft Bracket - pin release
19.	47-055126-004		R.H. Bottom Shaft Bracket - spotting tong
20.	11-052680-001		Roll Pin (2 mm x 18 mm)
21.	11-430048-000		Bearing
22.	47-071615-004		Square Shaft Gear
23.	47-051625-004		Square Shaft Support
24.	11-051742-001		Self Locking Hex Nut (5 mm)
25.	47-055138-004		Connecting Link (includes 2 speed nuts)
26.	11-051004-001	N.A.	Hex Hd. Cap Screw (5 mm x 25 mm)
	47-861001-001	R.O.	Hex Hd. Cap Screw (5mm x 25 mm) Pkg. of 10
27.	11-053476-001		Speed Nut Pkg. of 10
28.	11-051747-001		Self Locking Nut (5 mm)

Square Shaft Assemblies (Tower Down) - Series 443 and Later



Square Shaft Assemblies
(Tower Down) - Series 443 and Later

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Section H

MAIN FRAME

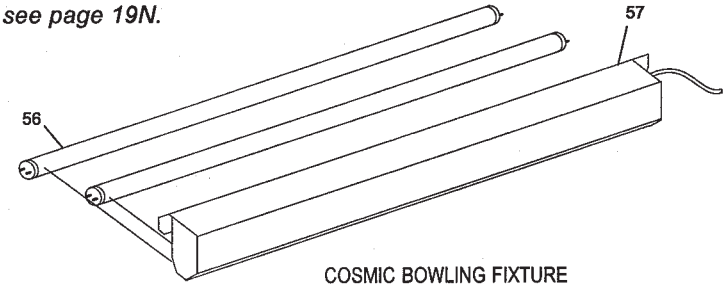
Index No.	Part No.		Description
1.	11-051005-001		Hex Hd. Cap Screw (10 mm x 20 mm)
2.	11-051055-001		Hex Head Screw (8 mm x 60 mm)
3.	47-080207-003		Angle Bracket
4.	47-080206-004		Common Mounting Plate
5.	11-052453-001	N.A.	Flat Hd. Wood Screw (8 mm x 60 mm)
	11-052552-001	R.O.	Phillps Screw (M8 x 60 mm)
6.	47-082375-002	N.A.	L.H. Side Frame
7.	11-051771-001		Lockwasher (10 mm)
8.	47-081164-004	N.A.	L.H. Support Brace
9.	11-051035-001		Hex Hd. Cap Screw (6 mm x 16 mm)
10.	11-051769-001		Lockwasher (6 mm)
11.	11-051702-001		Hex Nut (6 mm)
12.	47-082379-004	N.A.	Rear Brace Supports
13.	47-082377-001	N.A.	Upper Rear Cross Brace
14.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
15.	11-051770-001		Lockwasher (8 mm)
16.	11-051704-001		Hex Nut (8 mm)
17.	47-081251-004	N.A.	U-Bracket
18.	47-081256-004	N.A.	R.H.Support
19.	47-082376-002		R.H. Side Frame
20.	47-080201-001	N.A.	Front Frame Support (all GS-Series)
21.	47-081961-003	N.A.	Support Strap
	47-083659-004	R.O.	New Style Support Straps (index No. 42)
22.	47-082128-003		Catwalk
23.	11-052603-001		Carriage Bolt (8 mm x 45 mm)
24.	47-081857-002	N.A.	Electrical Box Mounting Plate
25.	47-084955-002		Cable Channel
26.	47-083506-003		L.H. Catwalk Support
27.	11-051745-001		Locknut (10 mm)
28.	11-051010-001		Hex Hd. Cap Screw (8 mm x 20 mm)
29.	11-051744-001		Locknut (8 mm)
30.	11-053575-000		Rubber Mount
31.	11-053576-000		Rubber Mount
32.	47-081960-003		R.H. Catwalk Support
33.	11-051509-001		Socket Hd. Cap Screw (6 mm x 12 mm)
34.	11-052048-001		Flat Washer (6.4 mm)
35.	11-051539-001		Socket Hd. Cap Screw (4 mm x 6 mm)
36.	99-050229-004		Switch Assembly Complete (red box only)
37.	11-052019-001		Flat Washer (8.4 mm)
38.	47-082378-003	N.A.	Lower Rear Cross Brace
39.	47-082135-002	N.A.	Pin Lamp Assembly Guard
	47-223075-004	N.A.	Pin Light & Bulb Assembly
40.	47-091316-003	N.A.	Pin Deflector (for Single Feed Distributors only)
41.	47-081664-004		New Style Support Brace
42.	47-083659-004		New Style Support Strap
43.	47-083667-003		Electrical Box Mounting Plate (silver box)
44.	47-223075-004	N.A.	Pin Lamp Assembly Complete (silver box)
45.	47-203152-000		Bulb (White)
46.	47-203147-000		Starter
47.	N.A.		Plug
48.	*N.A.		Quick-Lock Fastener Receptacle (w/Retaining Nuts)
49.	*11-601800-000	N.A.	Quick-Lock Fastener Stud
50.	11-052050-001		Flat Washer (10.5 mm)
51.	47-083662-004	N.A.	Angle Bracket
52.	11-051001-001		Hex Hd. Cap Screw (6 mm x 12 mm)
53.	11-051743-001		Locknut (6 mm)
54.	11-052008-001		Flat Washer (6.4 mm x 12.5 mm x 1.6 mm)
55.	84-200073-000		Barrel Nut
56.	12-862933-000		Black Light Bulb - Pkg. of 6
57.	12-862922-000		Dual Lamp Assembly w/Bulbs

N.A.=No Longer Available
R.O. = Replacement Option

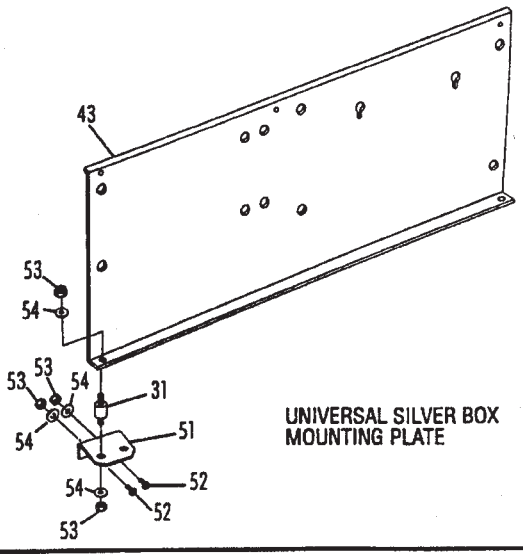
* Not Illustrated

Frame Assembly (GS-96 and Below)

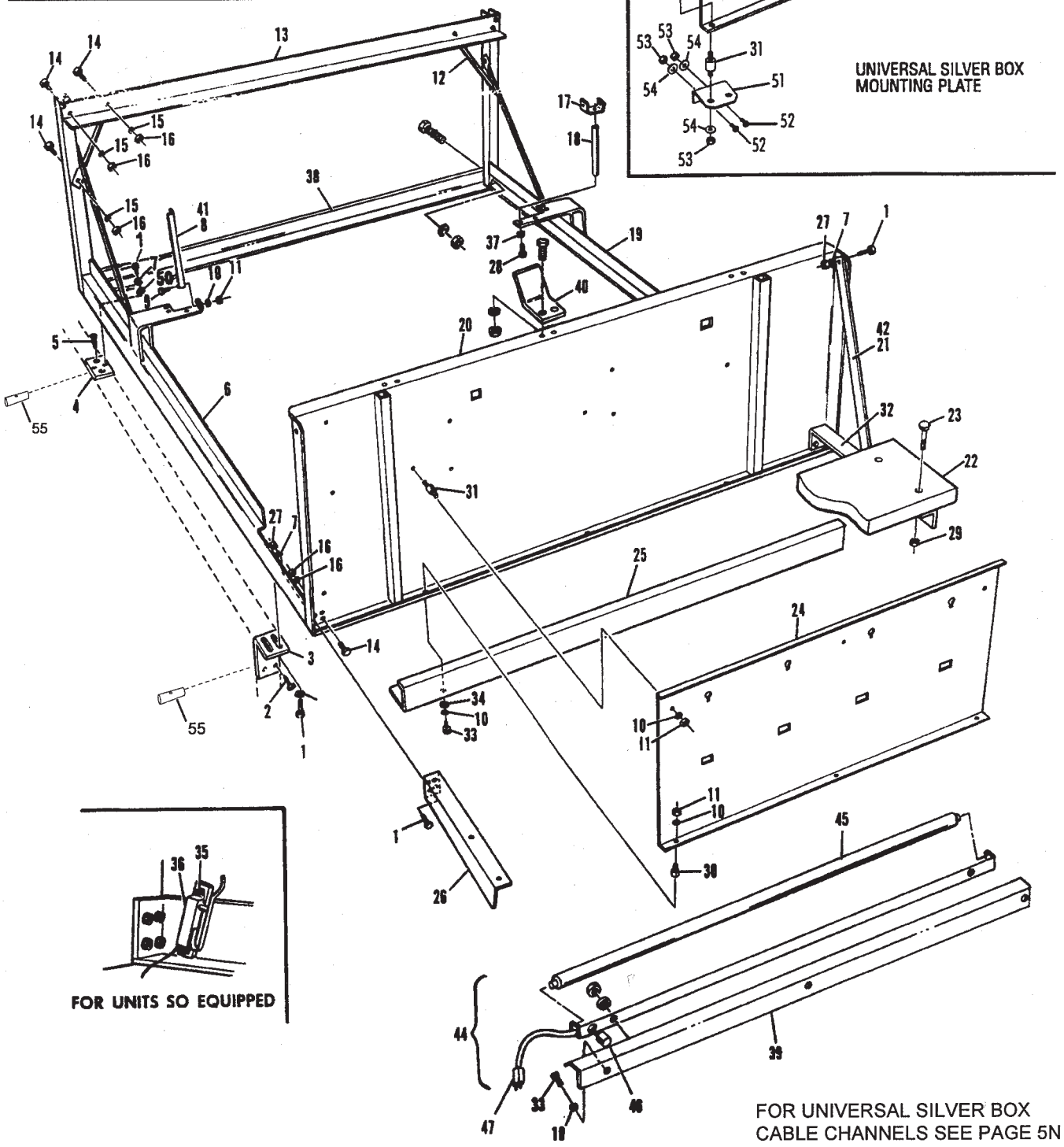
NOTE: For Dual Lamp System (Machine Series 424 and Above), see page 19N.



COSMIC BOWLING FIXTURE



UNIVERSAL SILVER BOX MOUNTING PLATE



FOR UNITS SO EQUIPPED

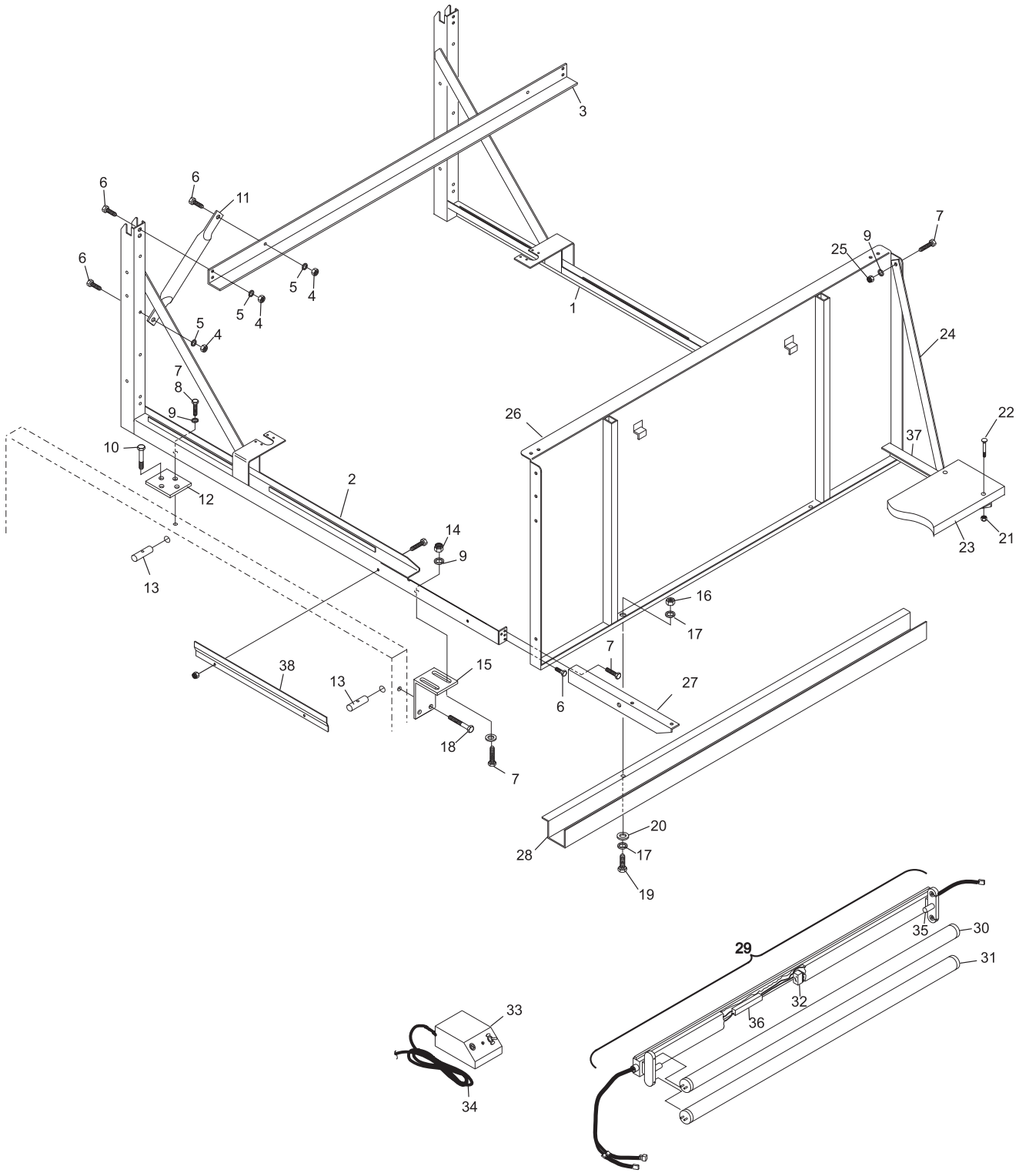
FOR UNIVERSAL SILVER BOX CABLE CHANNELS SEE PAGE 5N

Frame Assembly (GS-96 and Below)

Index No.	Part No.		Description
1.	47-085443-002		R.H.Side Frame
2.	47-085442-002		L.H. Side Frame
3.	47-082377-001	N.A.	Upper Rear Cross Brace
4.	11-051704-001		Hex Nut (8 mm)
5.	11-051770-001		Lockwasher (8 mm)
6.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
7.	11-051005-001		Hex Hd. Cap Screw (10 mm x 20 mm
8.	11-052050-001		Hex Hd. Cap Screw (10 mm x 30 mm)
9.	11-051771-001		Lockwasher (10 mm)
10.	11-052252-001	N.A.	Flat Hd. Screw (8 mm x 60 mm)
	11-052552-001	R.O.	Phillips Screw (M8 x 60 mm)
11.	47-082379-004	N.A.	Rear Brace Supports
12.	47-080206-004		Common Mounting Plate
13.	84-200073-000		Barrel Nut
14.	11-051745-001		Locknut (10 mm)
15.	47-080207-003		Angle Bracket
16.	11-051702-001		Hex Nut (6 mm)
17.	11-051769-001		Lockwasher (6 mm)
18.	11-051055-001		Lag Screw (8 mm x 60 mm)
19.	11-051509-001		Socket Hd. Cap Screw (6 mm x 12 mm)
20.	11-052048-001		Flat Washer (6.4 mm)
21.	11-051744-001		Locknut (8 mm)
22.	11-052603-001		Carriage Bolt (8 mm x 45 mm)
23.	47-082128-003		Catwalk
24.	47-083659-004		New Style Support Strap
25.	11-051745-001		Locknut (10 mm)
26.	47-085362-002	N.A.	Front Frame Support
27.	47-083506-003		L.H. Catwalk Support
28.	47-084955-002		Cable Channel
29.	47-225723-004		Dual Light Assembly - w/o Bulbs or Power Supply/Control Unit (230/380 Volt)
	47-225722-004		Dual Light Assembly - w/o Bulbs or Power Supply/Control Unit (208 Volt)
30.	47-203152-000		Bulb - White
31.	99-220385-004		Bulb - Black
32.	99-220366-004		Relay (24VAC)
33.	47-225254-003		Power Supply/Control Unit
34.	47-225263-004		Controller Cable
35.	47-203147-000		Starter (230/380 volt pinsetters only)
36.	47-225732-004		Electronic Ballast (208 Volt)
37.	47-081960-003		Catwalk Support (right-hand)
38.	47-085489-004	N.A.	Guard Support

N.A. = No Longer Available
R.O. = Replacement Option

GS-X Frame Assembly (424 and Above)



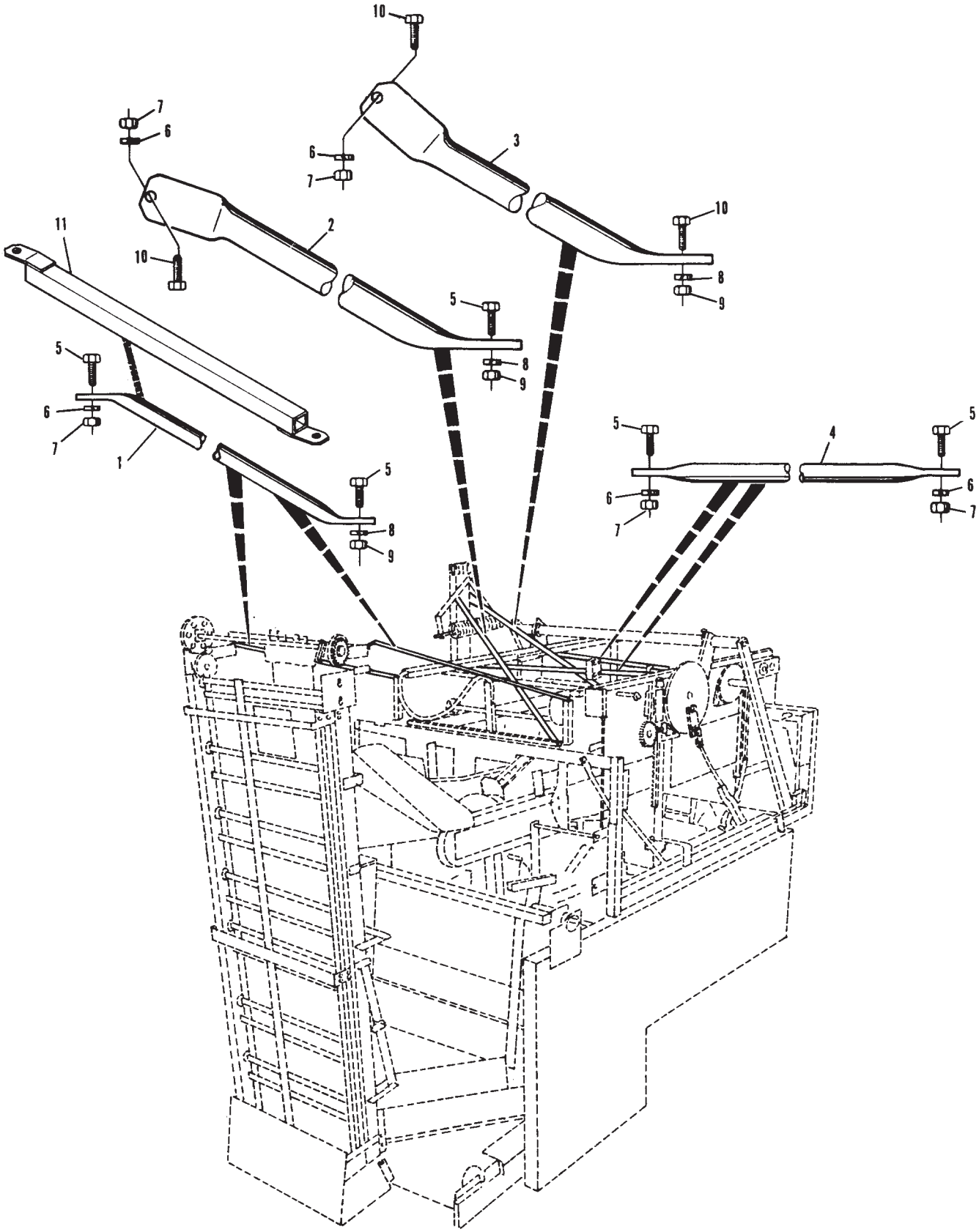
GS-X Frame Assembly (424 and Above)

Index No.	Part No.		Description
1.	*N.A.		Elevator Support Brace
2.	47-081492-003		Rear Guide Tower Support Brace
3.	47-081357-003	N.A.	Front Guide Tower Support Brace
4.	47-081359-004		Cross Support Brace
5.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
6.	11-051770-001		Lockwasher (8 mm)
7.	11-051704-001		Hex Nut (8 mm)
8.	11-052003-001		Flat Washer (8.4 mm)
9.	11-051744-001		Locknut (8 mm)
10.	11-051010-001		Hex Hd. Cap Screw (8 mm x 20 mm)
11.	47-084022-003	S.O.	Cable Channel Support Brace

N.A. = No Longer Available
S.O. = Special Order

* Item is replaced with Index No. 11

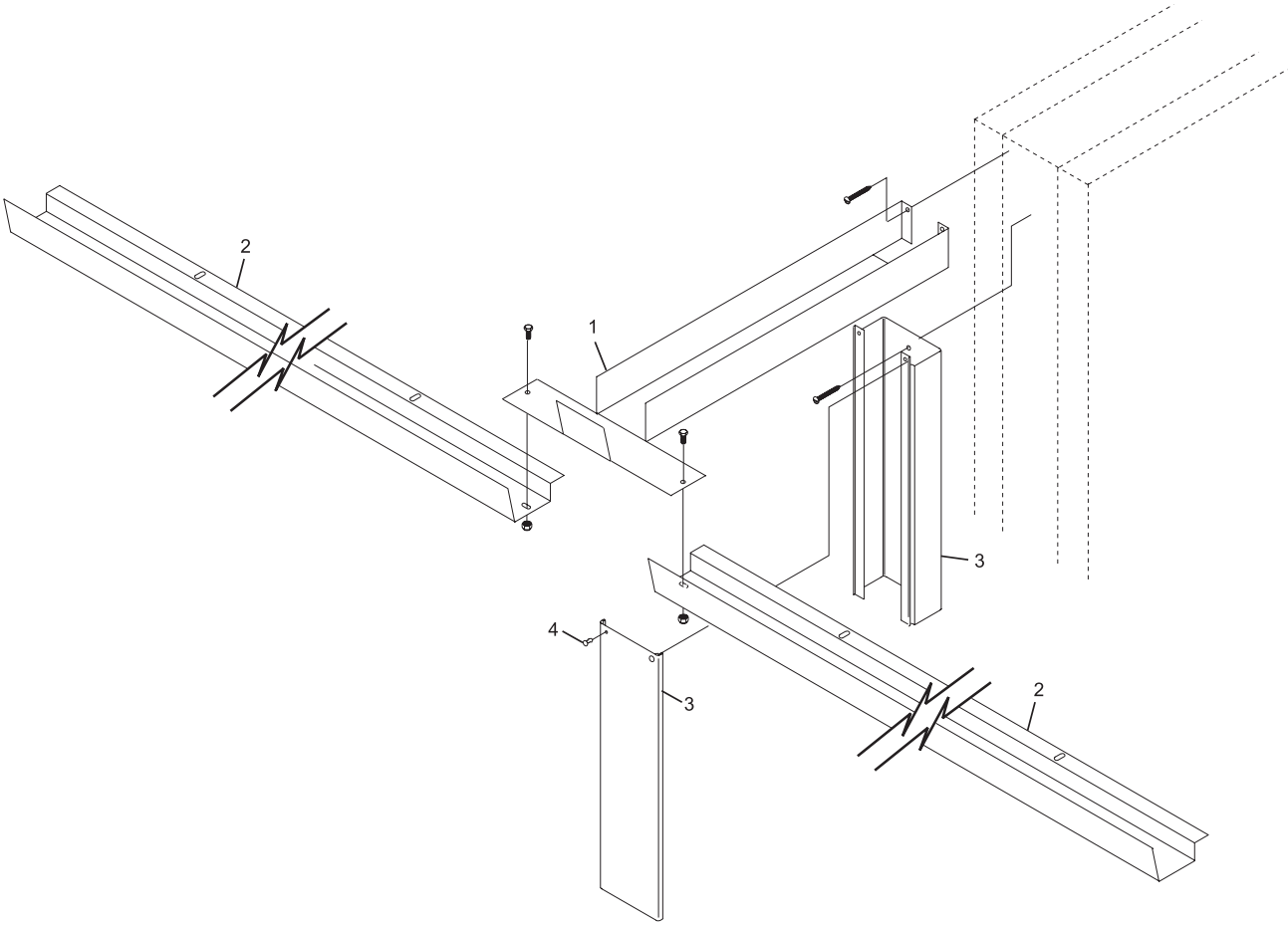
Support Braces



Support Braces

Index No.	Part No.	Description
1.	47-084956-002	Middle Channel
2.	47-084955-002	Channel (for left-hand and right-hand use)
3.	47-084958-004	Channel/Cover Assembly - complete
4.	47-084959-004	Nylon Push Fastener

Cable Channel (GS-98)



Cable Channel (GS-98)

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Section J

DISTRIBUTOR

Index No.	Part No.		Description
1.	47-094344-003		Front Pulley Shaft
2.	47-091905-003		R.H. Turn Plate
3.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
4.	N.A.		Distributor Frame Complete
5.	47-090547-004		Spur Gear w/25 mm Collar
	47-275746-009		Two Piece Gear Kit
6.	47-092300-004		Polycord Roll (12 mm dia. x 44 meters Lg.)
	47-092300-005		Polycord Roll (13 mm dia. x 20 meters Lg.)
7.	11-051770-001		Lockwasher (8 mm)
8.	11-051744-001		Hex Nut (8 mm)
9.	47-090989-002		Double Pulley
10.	11-053903-000		V-Belt (13 mm x 8 mm x 1375 mm)
11.	11-054102-001	N.A.	Spacer Flat Washer (25 mm)
	47-861028-001	R.O.	Shim Washers Pkg. of 10
12.	11-051856-001		Retaining Ring (25 mm)
13.	47-091904-003		Turn Plate (left-hand)
14.	N.A.		Dual Feed Distributor Assembly Complete
15.	N.A.		Pulley Holder (left-hand)
16.	47-092193-003		Pulley Holder (right-hand)
17.	47-092271-004	N.A.	Pin Guide
18.	47-091277-002		Slider Mount
19.	**N.A.		Slider Assembly
20.	47-091284-002		Slider Assembly Complete
21.	47-097417-000		A/P Pin Guide/Stop
	47-090969-003		Pin Stop
22.	11-051520-001		Socket Hd. Cap Screw (6 mm x 30 mm)
23.	11-051515-001		Socket Hd. Cap Screw (6 mm x 18 mm)
24.	11-054449-000		Hex Hd. Self-Tapping Screw (K70 x 18 mm)
25.	11-052019-001		Flat Washer (8.4 mm)
26.	11-051852-001		Retaining Ring (17 mm)
27.	11-052804-001		Set Screw (6 mm x 8 mm) (for Pulley Hub)
28.	11-051546-001		Hex Hd. Cap Screw (5 mm x 40 mm)
29.	11-052039-001		Flat Washer (5.3 mm)
30.	11-051742-001		Locknut (5 mm)
31.	47-092415-003		Pulley w/Bearing
32.	47-092496-004	N.A.	Pin Guide
33.	11-051743-001		Locknut (6 mm)
34.	11-052037-001		Flat Washer (6.4 mm)
35.	47-092202-004		Shaft
36.	47-092203-004		Shaft
37.	47-092199-003	N.A.	Bracket
38.	47-091512-003	N.A.	Flat Spring
39.	47-092206-004		Shaft
40.	47-093874-004		Clamp
41.	47-093547-004		Gear
42.	47-093741-002	S.O.	Dust Pan
43.	47-093771-004		Felt Pad
44.	*11-676027-000	N.A.	Contact Cement - quart
	*11-676047-000		Contact Cement - gallon
45.	47-093587-004		Dowel Pin (Pkg. of 25)
46.	47-093863-003		Round Belt Pulley
	47-275748-009		2-Piece Pulley Kit
47.	47-094353-004		PVC Spacer
48.	47-094347-003		Bearing Shell
49.	47-094346-003		Bearing Shell w/Shoulder
50.	47-094351-003		Washer
51.	11-430013-000		Bearing
52.	11-051010-001		Hex Hd. Cap Screw (8 mm x 20 mm)
53.	11-052006-001		Washer (8.4 mm)
54.	47-094349-001		Front Shaft Assembly
55.	47-091854-004	N.A.	Vinyl (long pit version)
	47-092345-004	R.O.	Vinyl (short pit version)
56.	47-092476-004		Pin Turn Device (left-hand)
57.	47-092475-004		Pin Turn Device (right-hand)
58.	N.A.		Slider Only (hardware not included)
	47-095609-002	R.O.	Slider Only (hardware not included)
59.	47-092265-003		Extension Rails (L.H./R.H., for Dual Feed Distributor, for short pit)
	47-092249-002	N.A.	L.H./R.H. Extension Rails for Dual Feed Distributor (long pit)
	47-093901-002	R.O.	L.H./R.H. Distributor Extension Dual Feed (long pit)
60.	47-094712-003		Bracket
	***47-274806-009		Guide Rail Extension Kit
61.	47-092479-003		R.H. Guide Bracket
62.	11-051018-001		Hex Head Cap Screw (6 mm x 20 mm)
63.	47-093760-002		Distributor Station (pin no. 7, steel)
	47-091890-002		Distributor Stations (pin nos. 2,3,8,9, and 10, steel)
	47-092211-002		Distributor Stations (pin nos. 1 and 6, steel)
64.	47-092186-003		Bracket
65.	47-092478-003		L.H. Guide Bracket
66.	47-095050-003		Plastic Bearing
67.	47-093910-003		R.H. Shark Rail
68.	47-093911-003		L.H. Shark Rail
69.	47-092238-003	S.O.	R.H. Distributor Rail - long
70.	47-092239-003	S.O.	L.H. Distributor Rail - long
71.	47-275730-009		Distributor Repair Kit
72.	47-092454-004		Rail - short (front)
73.	47-092242-002	S.O.	L.H. Plate - upper
74.	47-095146-003	S.O.	L.H. Plate - lower
75.	47-093883-004		Shaft
76.	47-094345-003	N.A.	Middle Shaft
77.	47-095144-003	S.O.	R.H. Plate - lower
78.	47-092243-002		R.H. Plate - upper
79.	47-092474-004	N.A.	Pin Turn Pad
80.	47-092237-003	S.O.	L.H. Front Rail
81.	47-092234-003	S.O.	R.H. Front Rail
82.	47-094232-004		Rubber Grommet
83.	11-052048-001		Flat Washer (6.4 mm)
84.	****47-095173-003		Pin Deflector Shoe, Left-hand (For 2-piece Shoe)
85.	**** 47-095172-003		Pin Deflector Shoe, Right-hand (For 2-piece Shoe)
86.	47-093934-003		Pin Deflector Shoe - Single Piece

N.A. = No Longer Available
R.O. = Replacement Option
S.O. = Special Order

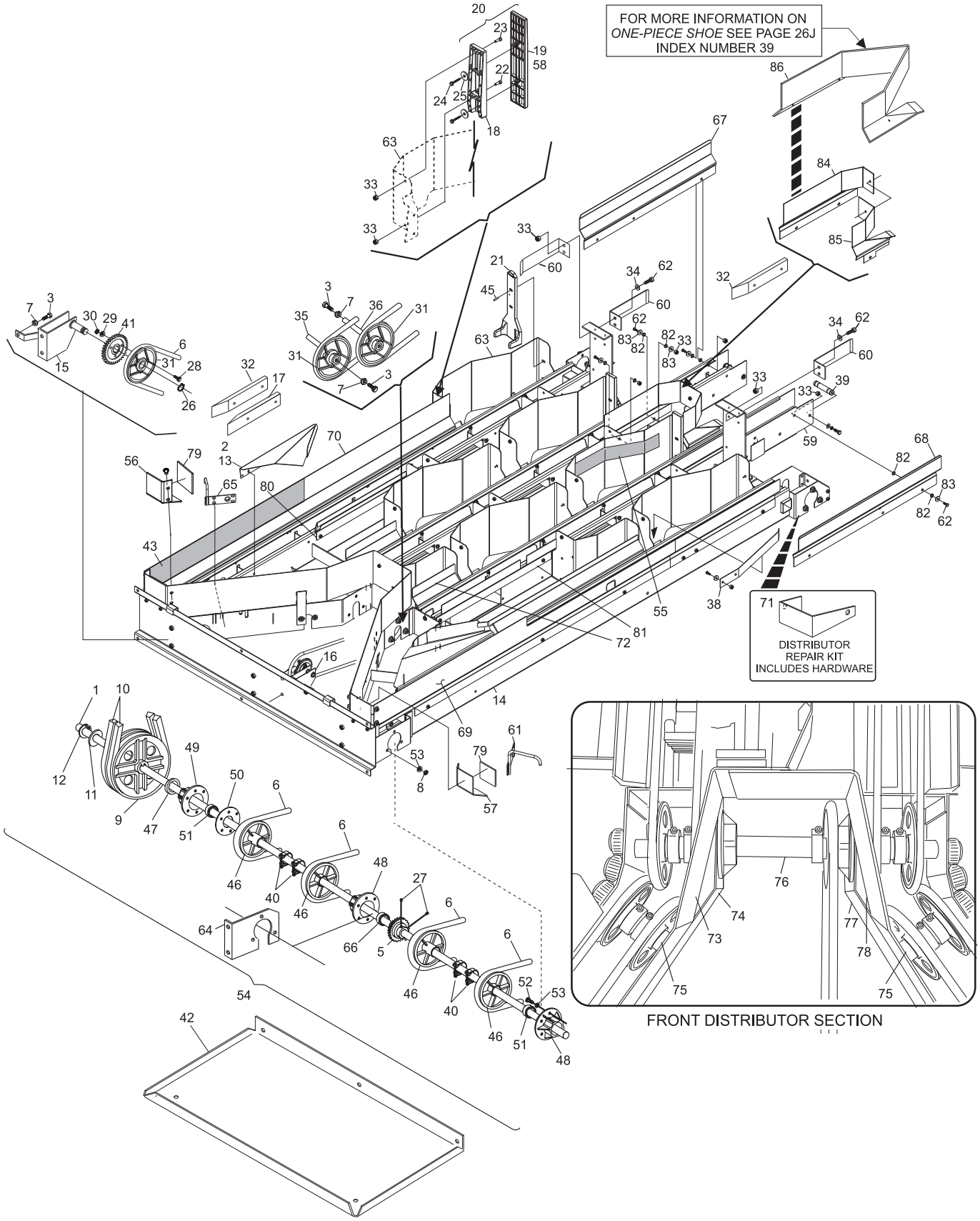
* Not Illustrated

** Includes index nos. 24, 25 & 58.

*** Includes index nos. 60, 33, 62, & 34.

**** A complete two piece shoe requires: 1 each of 47-095172-003 R.H. shoe and 1 each of 47-095173-003 L.H. shoe

Dual Feed Distributor



Dual Feed Distributor

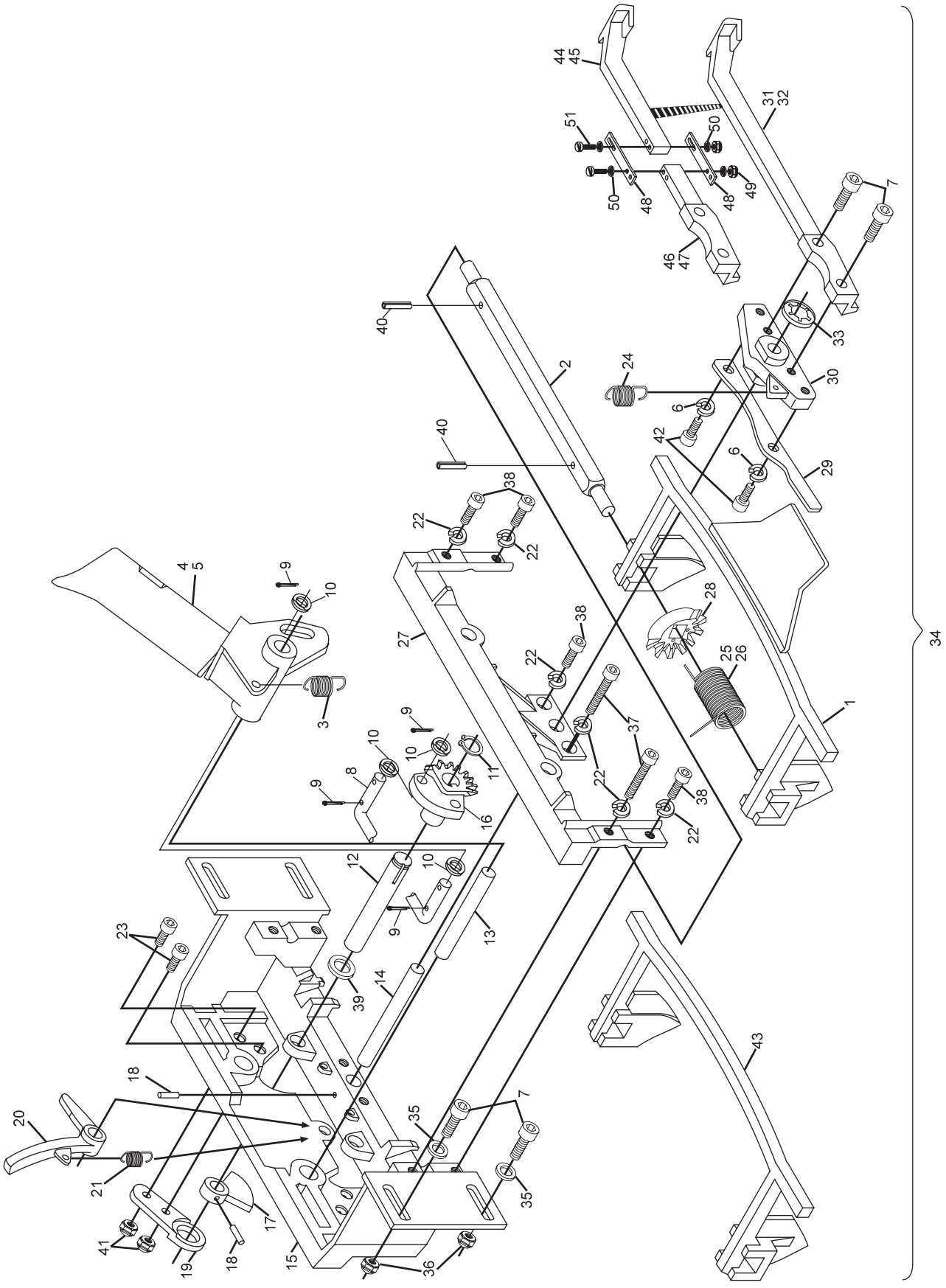
Index No.	Part No.		Description
1.	47-091690-002		Retaining Bow w/Flap
2.	47-091694-004		Square Spindle
3.	47-090581-004		Tension Spring
4.	47-092442-003		R.H. Ejector Flap
5.	47-092441-003		L.H. Ejector Flap
6.	11-051769-001		Lockwasher (6 mm)
7.	11-051515-001		Socket Hd. Cap Screw (6 mm x 18 mm)
8.	47-090568-004		Bow
9.	11-051791-001		Split Pin (1.6 mm x 10 mm)
10.	47-090575-004		Flat Washer (6.5 mm)
11.	11-051855-001		Retaining Ring (10 mm)
12.	47-090570-004		Shaft
13.	47-090572-004		Shaft
14.	47-090571-004		Shaft
15.	47-090565-002	N.A.	Bottom Housing
16.	47-090560-004	N.A.	Bevel Wheel w/Cam
17.	47-090557-004	N.A.	Cam
18.	11-052681-001		Rolled Pin (3 mm x 16 mm)
19.	47-090558-004		Cam Retainer
20.	47-090556-004		Retaining Lever
21.	47-094352-004		Tension Spring
22.	11-051768-001		Lockwasher (5 mm)
23.	11-051523-001		Socket Hd. Cap Screw (5 mm x 10 mm)
24.	47-090580-004		Tension Spring
25.	47-090577-004		R.H. Torsion Spring (Pin Nos. 2,4,6,8 & 10)
26.	47-090578-004		L.H. Torsion Spring (Pin Nos. 1,3,5,7 & 9)
27.	47-090562-003		Top Housing
28.	47-090559-004		Bevel Wheel
29.	47-091693-004		Clamping Lever
30.	47-091692-004		Pivoting Lever
31.	N.A.		Release Lever Pin (Pin Nos. 1,4,5 & 6)
32.	N.A.		Release Lever Pin (Pin Nos. 2,3,7,8,9 & 10)
33.	11-053478-001	N.A.	Speed Nut (8 mm)
	47-861050-000	R.O.	Speed Nut (8 mm) Pkg. of 10
34.	*N.A.		Pin Station Complete (Pin Nos. 1, 5 & 6)
	*N.A.		Pin Station Complete (Pin Nos. 2, 3, 8 & 9)
	*N.A.		Pin Station Complete (Pin No. 4)
	*N.A.		Pin Station Complete (Pin No. 7)
	*N.A.		Pin Station Complete (Pin No. 10)
35.	11-052037-001		Flat Washer (6.4 mm)
36.	11-051743-001		Locknut (6 mm)
37.	11-051524-001	N.A.	Socket Hd. Cap Screw (5 mm x 40 mm)
38.	11-051522-001		Socket Hd. Cap Screw (5 mm x 16 mm)
39.	11-052042-001		Flat Washer (10 mm)
40.	11-052680-001		Rolled Pin (2 mm x 18 mm)
41.	11-051742-001		Locknut (5 mm)
42.	11-051509-001		Socket Hd. Cap Screw (6 mm x 12 mm)
43.	*N.A.		Retaining Bow
44.	47-093591-004		Release Lever Pin - two piece (Pin Nos. 2,3,7,8,9 & 10)
45.	47-093592-004		Release Lever Pin - two piece (Pin Nos. 1,4,5 & 6)
46.	47-093589-004		Release Lever Pin - two piece (Pin Nos. 2,3,7,8,9 & 10)
47.	47-093590-004		Release Lever Pin - two piece (Pin Nos. 1,4,5 & 6)
48.	47-091725-004		Retaining Plate
49.	11-051741-001		Locknut (4 mm)
50.	11-052025-001		Flat Washer (4.3 mm)
51.	11-052208-001		Sltd. Machine Hd. Screw (4 mm x 30 mm)

N.A. = No Longer Available

* Use Universal Pin Station - pages 8J and 9J.

** Use appropriate Universal Pin Station.

Pin Station Assembly
(Machine Series 54 and Below)



Pin Station Assembly
(Machine Series 54 and Below)

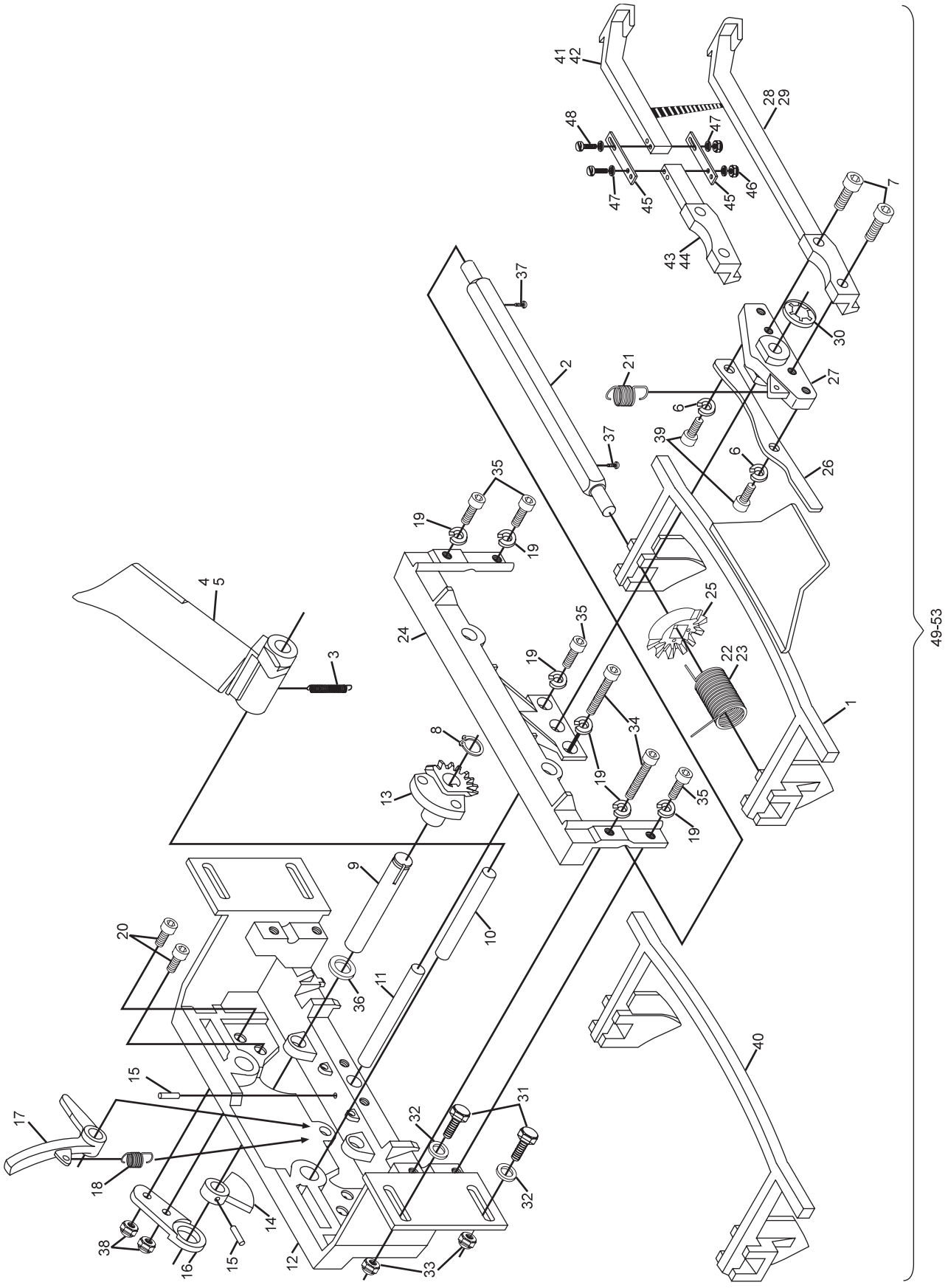
Index No.	Part No.		Description
1.	47-091690-002		Retaining Bow w/Flap
2.	47-091694-004		Square Spindle
3.	47-094099-004		Tension Spring
4.	47-093926-002		R.H Ejector Flap
5.	47-093927-002		L.H. Ejector Flap
6.	11-051769-001		Lockwasher (6 mm)
7.	11-051515-001		Socket Hd. Cap Screw (6 mm x 18 mm)
8.	11-051855-001		Retaining Ring (10 mm)
9.	47-090570-004		Shaft
10.	47-090572-004		Shaft
11.	47-090571-004		Shaft
12.	47-090565-002	N.A.	Bottom Housing
13.	47-090560-004	N.A.	Bevel Wheel w/Cam
14.	47-090557-004	N.A.	Cam
15.	11-052681-001		Rolled Pin (3 mm x 16 mm)
16.	47-090558-004		Cam Retainer
17.	47-090556-004		Retaining Lever
18.	47-094352-004		Tension Spring
19.	11-051768-001		Lockwasher (5 mm)
20.	11-051523-001		Socket Hd. Cap Screw (5 mm x 10 mm)
21.	47-090580-004		Tension Spring
22.	47-090577-004		R.H. Torsion Spring (Pin Nos. 2,4,6,8 & 10)
23.	47-090578-004		L.H. Torsion Spring (Pin Nos. 1,3,5,7 & 9)
24.	47-090562-003		Top Housing
25.	47-090559-004		Bevel Wheel
26.	47-091693-004		Clamping Lever
27.	47-091692-004		Pivoting Lever
28.	N.A.		Release Lever Pin (Pin Nos. 1,4,5 & 6)
29.	N.A.		Release Lever Pin (Pin Nos. 2,3,7,8,9 & 10)
30.	11-053478-001	N.A.	Speed Nut (8 mm)
	47-861050-000	R.O.	Speed Nut (8 mm) Pkg. of 10
31.	11-051514-001		Socket Hd. Cap Screw (6 mm x 16 mm)
32.	11-052048-001		Flat Washer (6.4 mm)
33.	11-051743-001		Locknut (6 mm)
34.	11-051524-001	N.A.	Socket Hd. Cap Screw (5 mm x 40 mm)
35.	11-051522-001		Socket Hd. Cap Screw (5 mm x 16 mm)
36.	11-052042-001		Flat Washer (10 mm)
37.	11-050401-001	N.A.	Self-Tapping Screw (4 mm x 8 mm)
38.	11-051742-001		Locknut (5 mm)
39.	11-051509-001		Socket Hd. Cap Screw (6 mm x 12 mm)
40.	**N.A.		Retaining Bow without Flap
41.	47-093591-004		Release Lever Pin - two piece (Pin Nos. 2,3,7,8,9 & 10)
42.	47-093592-004		Release Lever Pin - two piece (Pin Nos. 1,4,5 & 6)
43.	**N.A.		Release Lever Pin - two piece (Pin Nos. 2,3,7,8,9 & 10)
44.	47-093590-004		Release Lever Pin - two piece (Pin Nos. 1,4,5 & 6)
45.	47-091725-004		Retaining Plate
46.	11-051741-001		Locknut (4 mm)
47.	11-052025-001		Flat Washer (4.3 mm)
48.	11-052208-001		Sltd. Machine Hd. Screw (4 mm x 30 mm)
49.	*N.A.		Pin Station Assembly (Pin number 4)
50.	*N.A.		Pin Station Assembly (Pin Nos. 1, 5 & 6)
51.	*N.A.		Pin Station Assembly (Pin Nos. 2, 3, 8 & 9)
52.	*N.A.		Pin Station Assembly (Pin Number 7)
53.	*N.A.		Pin Station Assembly (Pin Number 10)

N.A. = No Longer Available

* Use Universal Pin Station - pages 8J and 9J.

** Use appropriate Universal Pin Station.

Pin Station Assembly
(Machine Series 55 to 333)



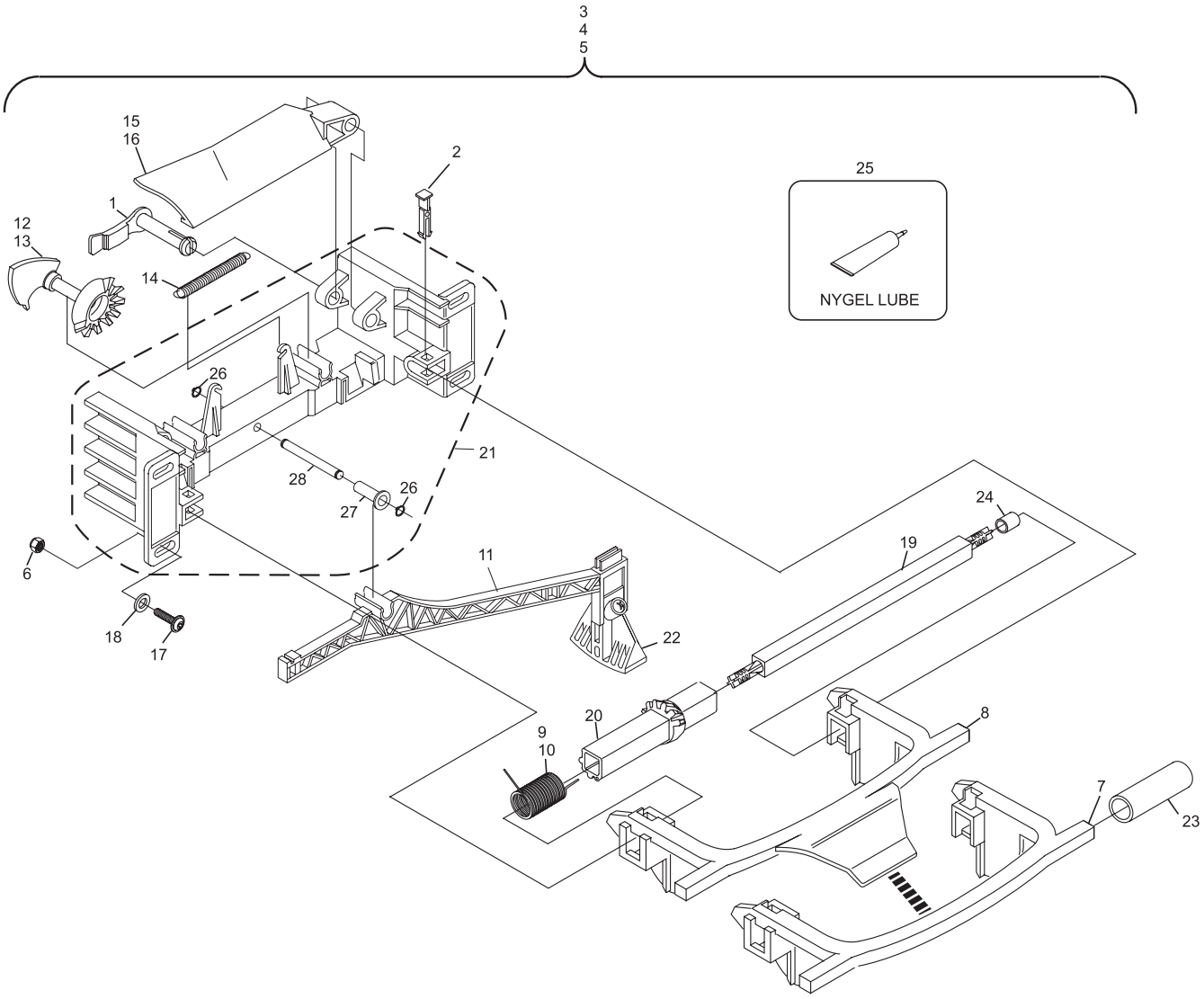
Pin Station Assembly
(Machine Series 55 to 333)

Index No.	Part No.		Description
1.	47-094787-001		Ejector Actuating Lever
2.	47-094789-003		Retaining Pin
3.	47-094792-009		Universal Pin Station Assembly Complete (Pin Nos. 2,3,4,8, and 9)
4.	47-094794-009		Universal Pin Station Assembly Complete (Pin Nos. 7 and 10)
5.	47-094793-009		Universal Pin Station Assembly Complete (Pin Nos. 1,5, and 6)
6.	11-051743-001		Locknut (6 mm)
7.	47-094780-001		Retaining Bow w/o Flap (Pin Nos. 7 and 10)
8.	47-094779-001		Retaining Bow w/ Flap
9.	*47-090578-004		L.H. Torsion Spring
10.	**47-090577-004		R.H. Torsion Spring
11.	47-095154-009		Release Lever w/Release Button (includes item 22)
12.	*47-094785-002		L.H. Cam Assembly
13.	**47-094786-002		R.H. Cam Assembly
14.	47-094791-004		Ejector Tension Spring
15.	*47-094783-002		L.H. Ejector Flap
16.	**47-094784-002		R.H. Ejector Flap
17.	11-055301-001		Button Head Socket Screw w/Flange (6 mm x 16 mm)
18.	11-052037-001		Flat Washer (6.4 mm)
19.	47-094790-003	N.A.	Square Spindle
	47-094790-009	R.O.	Square Shaft w/Bushing
20.	47-094788-003		Bevel Gear Shaft
21.	47-094778-001		Pin Station Housing - includes index numbers 26, 27 & 28
22.	47-094782-003		Release Button
23.	47-862931-000		Retaining Bow Extender Kit (1 per lane pair)
24.	47-095742-004		Bushing
25.	11-676308-000		Nygel Plastic Lube
26.	47-861044-000		Retaining Rings (Qty. 20)
27.	47-861043-000		Plastic Bushing (Qty. 10)
28.	47-861045-000		Steel Shaft (Qty. 10)

N.A. = No Longer Available
R.O. Replacement Option

* Pin Stations 1,5 and 6
** Pin Stations 2,3 and 4 (reversed release lever), 8 and 9.

Universal Pin Station Assembly



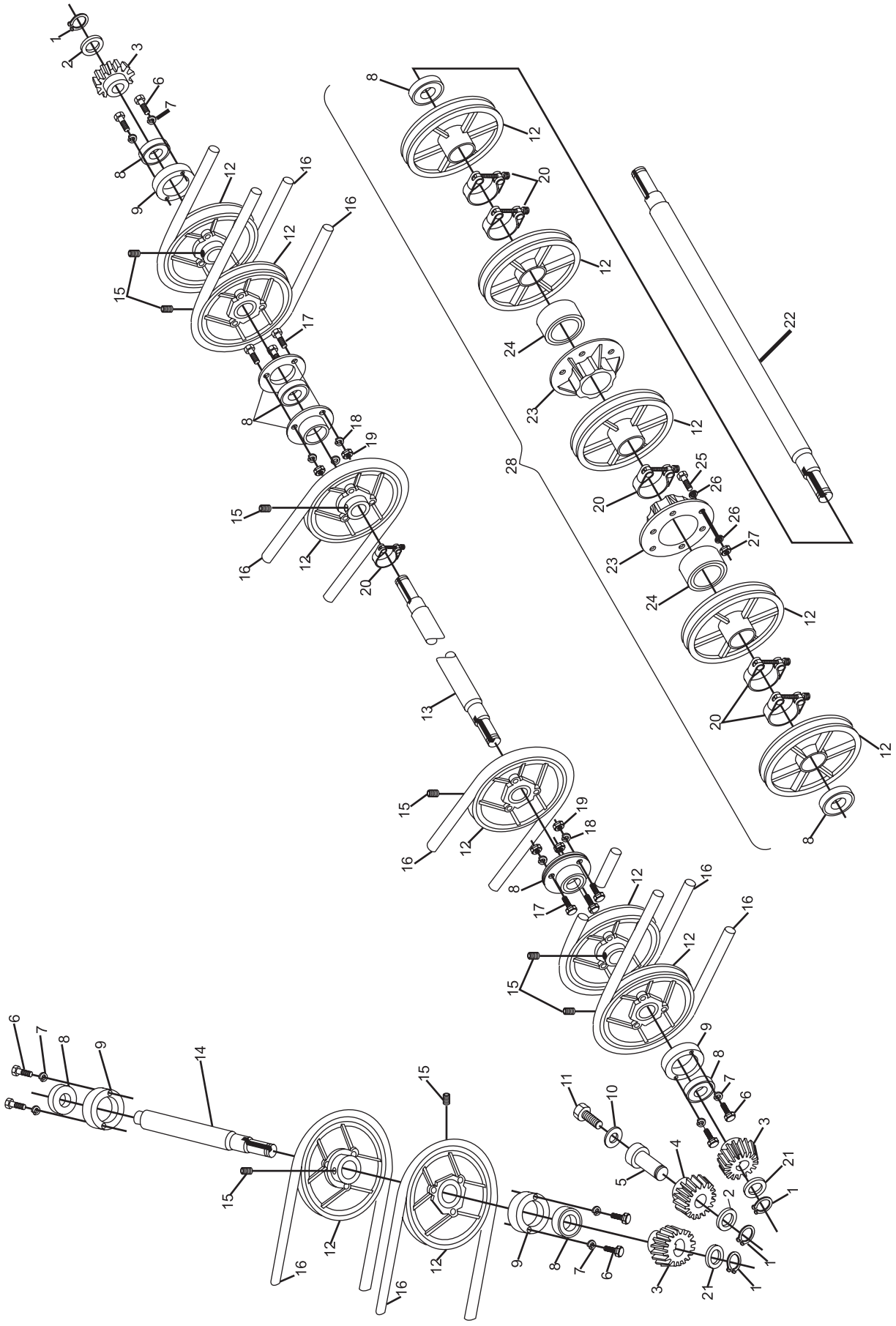
Universal Pin Station Assembly

Index No.	Part No.		Description
1.	11-051858-001		Retaining Ring (A15)
2.	11-054103-001	N.A.	Spacer Washer (16 mm)
	47-861029-001	R.O.	Washer (16 mm) - Pkg. of 10
3.	47-090555-003		Spur Gear (Positions 1 and 2)
4.	47-093629-003		Spur Gear (Position 3)
5.	47-090553-004		Intermediate Shaft
6.	11-051035-001		Hex Hd. Cap Screw (6 mm x 16 mm)
7.	11-051769-001		Lockwasher (6 mm)
8.	11-430053-000		Bearing
9.	46-090494-004		Bearing Ring
10.	11-052050-001		Flat Washer (10.5 mm)
11.	11-051037-001		Hex Hd. Cap Screw (10 mm x 16 mm)
12.	47-093863-003		Round Belt Pulley
	47-275748-009		2-Piece Pulley Kit
	N.A.		Pulley (pinned)
13.	N.A.		Middle Shaft (See index number 28)
14.	47-092203-004		Pinned Pulley Shaft
	47-093883-004		Clamped Pulley Shaft
15.	*11-052802-001		Set Screw (8 mm x 5 mm)
16.	47-092300-004		Polycord (12 mm x 44 Meters long)
	47-092300-005		Polycord Roll (13 mm x 20 meters long)
17.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
18.	11-051770-001		Lockwasher (8 mm)
19.	11-051704-001		Hex Nut (8 mm)
20.	*47-093874-004		Clamp
21.	**N.A.		Spacer Washer
22.	**N.A.		Middle Shaft
23.	**N.A.		Bearing Shell
24.	11-430013-000		Bearing
25.	11-051010-001		Hex Hd. Cap Screw (8 mm x 20 mm)
26.	11-052003-001		Flat Washer (8.4 mm)
27.	11-051744-001		Locknut (8 mm)
28.	***47-094350-001		Middle Shaft Assembly

N.A. = No Longer Available
R.O. = Replacement Option

* For pulleys so equipped
** Order index no. 28.
*** Includes index nos. 7, 12, 20, 22, 23, 24, 25, 26 and 27

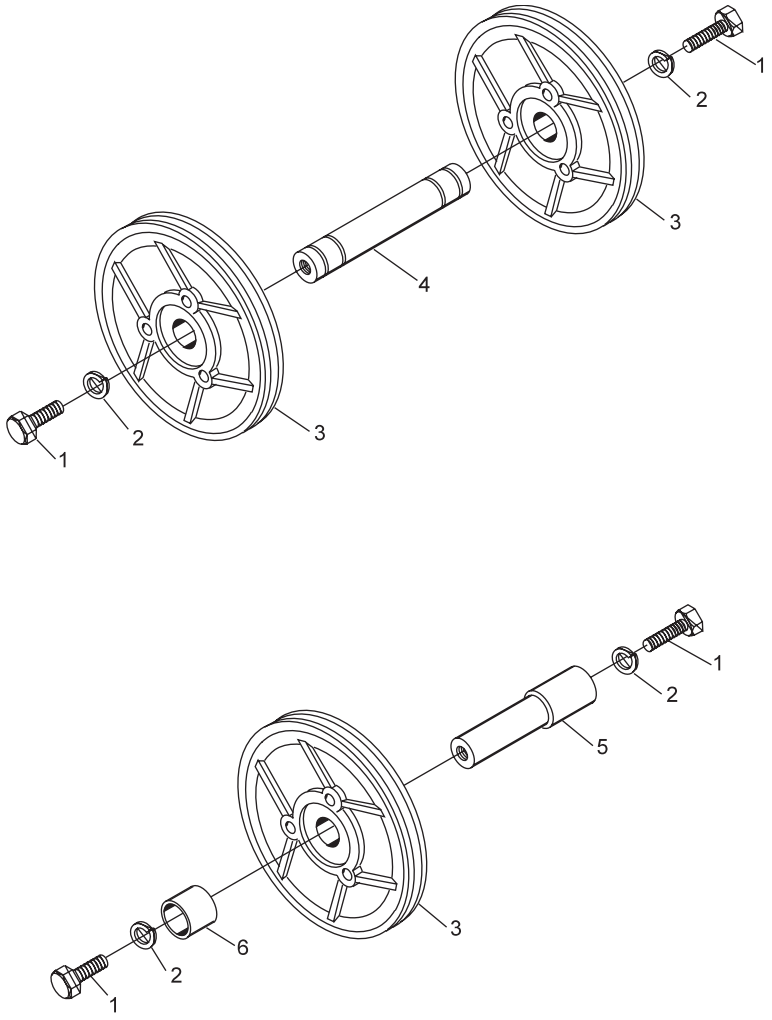
Dual Feed Distributor
Pulley Shaft Assemblies



Dual Feed Distributor
Pulley Shaft Assemblies

Index No.	Part No.	Description
1.	11-051038-001	Hex Hd. Cap Screw (8 mm x 16 mm)
2.	11-051770-001	Lockwasher (8 mm)
3.	47-092415-003	Drive Pulley Assembly
4.	47-092206-004	Rear Shaft
5.	47-090552-004	Shaft
6.	47-091855-004	Spacer

Distributor Pulleys



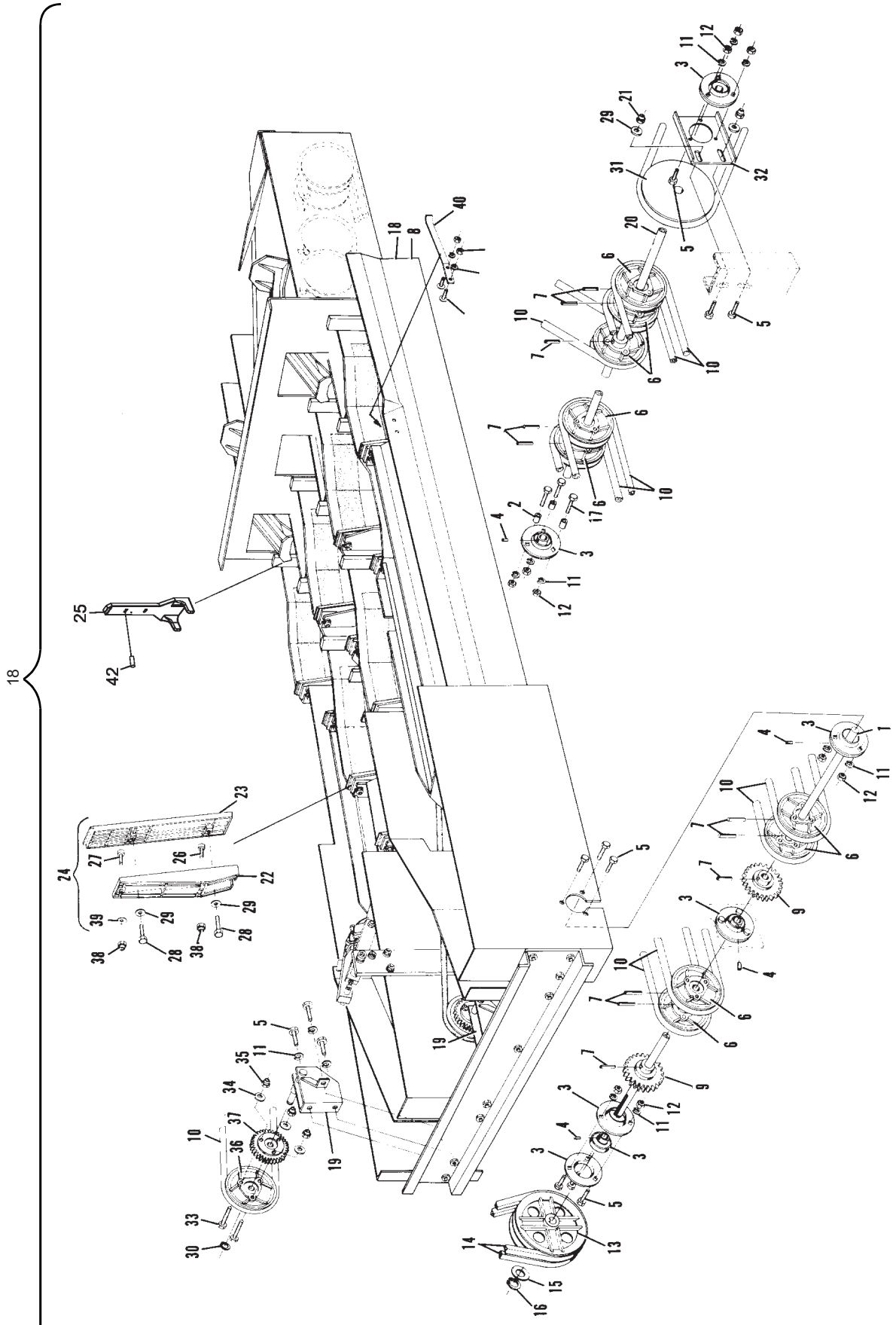
Distributor Pulleys

Index No.	Part No.		Description
1.	47-092207-004		Front Drive Shaft
2.	47-092082-004	N.A.	Spacer
3.	11-052901-000		Bearing Complete w/Retaining Plates
4.	11-052802-001		Set Screw (5 mm x 8 mm)
5.	11-051038-001		Hex Hd. Cap Screw (8 mm x 16 mm)
6.	47-094212-004		Pulley Assembly w/Clam
7.	11-052686-001		Rolled Pin (4 mm x 40 mm)
8.	N.A.		Distributor Frame Assembly Complete
9.	47-090547-004		Spur Gear w/25 mm Collar
10.	47-092300-004		Polycord (12 mm x 44 m long)
	47-092300-005		Polycord Roll (13 mm x 20 meters long)
11.	11-051770-001		Lockwasher (8 mm)
12.	11-051704-001		Hex Nut (8 mm)
13.	47-090989-002		Double Pulley
14.	11-053903-000		V-Belt (8 mm x 13 mm x 1375 mm)
15.	11-054102-001	N.A.	Spacer Flat Washer
	47-861028-001	R.O.	Shim Washers (Pkg. of 10)
16.	11-051856-001		Retaining Ring (A25)
17.	11-051044-001		Hex Hd. Cap Screw (8 mm x 30 mm)
18.	N.A.		Single Feed Distributor Assembly Complete
19.	47-092193-003		Pulley Holder
20.	47-090974-004	S.O.	Rear Drive Shaft
21.	11-051744-001		Locknut (8 mm)
22.	N.A.		Slider
23.	N.A.		Slider Mount
24.	47-091284-002		Slider Assembly Complete
25.	47-097417-000		A/P Pin Guide Stop
	47-090969-003		Pin Stop
26.	11-051526-001		Socket Hd. Cap Screw (6 mm x 30 mm)
27.	11-051520-001		Socket Hd. Cap Screw (6 mm x 20 mm)
28.	11-051043-001	N.A.	Hex Hd. Cap Screw (8 mm x 12 mm)
29.	11-052019-001		Flat Washer (8.4 mm)
30.	11-051852-001		Retaining Ring (17 mm)
31.	47-092137-003		Aluminum Drive Pulley
32.	47-090975-003	N.A.	Mounting Plate
33.	11-051027-001		Hex Hd. Cap Screw (5 mm x 40 mm)
34.	11-052005-001		Flat Washer (5.3 mm)
35.	11-051742-001		Locknut (5 mm)
36.	47-092415-003		Pulley w/Bearing
37.	47-093547-004		Spur Gear w/Bearing
38.	11-051743-001		Locknut (6 mm)
39.	11-052008-001		Flat Washer (6.4 mm)
40.	47-091512-003	N.A.	Flat Spring
41.	*47-093874-004		Clamp
42.	47-093587-004		Dowel Pin (Pkg. of 25)

N.A. = No Longer Available
S.O. = Special Order

* Not Illustrated

Single Feed Distributor

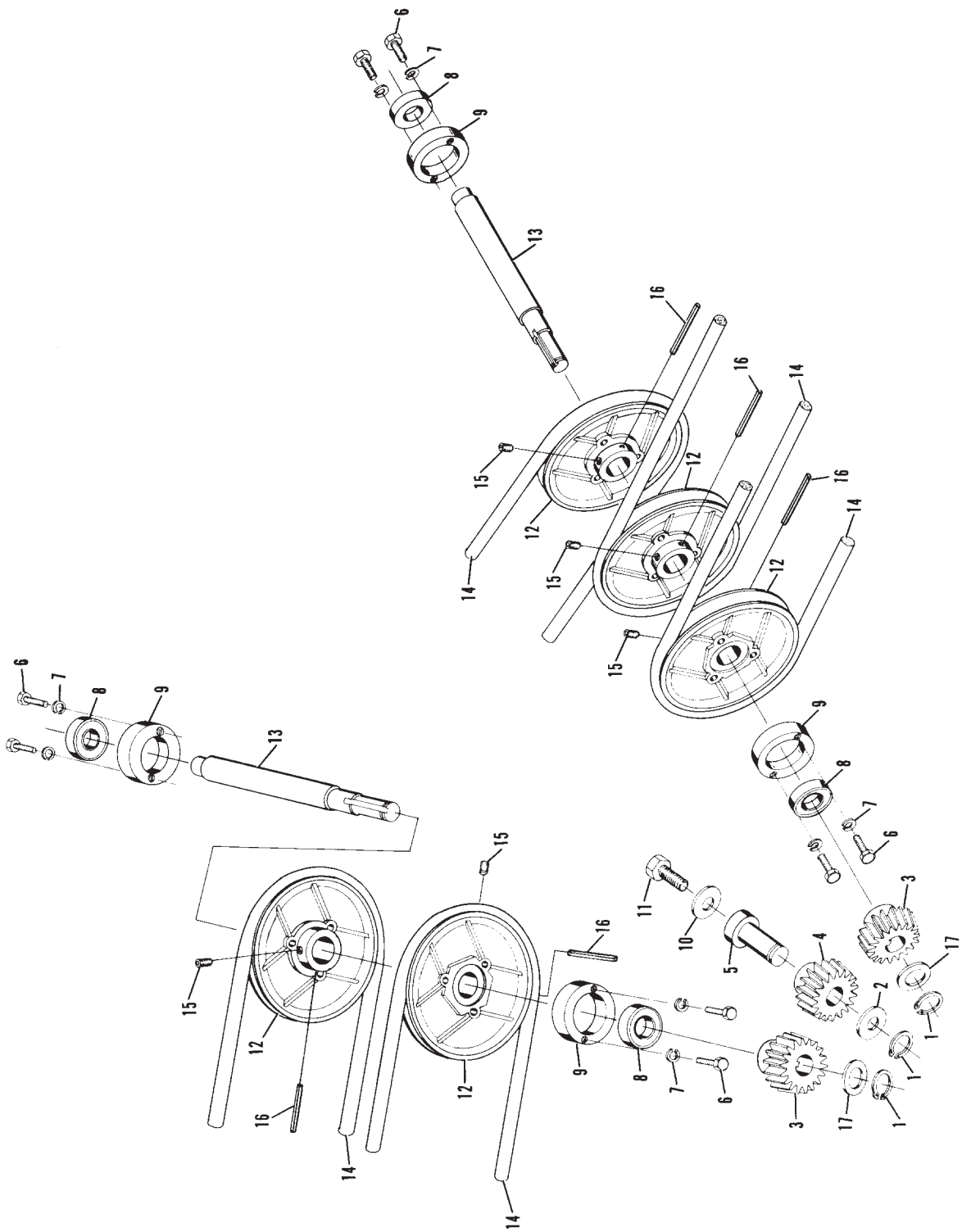


Single Feed Distributor

Index No.	Part No.		Description
1.	11-051858-001		Retaining Ring (A15)
2.	11-054103-001	N.A.	Spacer Washer (16 mm)
	47-861029-001	R.O.	Spacer Washer (16 mm) Pkg. of 10.
3.	47-090555-003	N.A.	Spur Gear (Positions 1 and 2)
4.	47-093629-003		Spur Gear (Position 3)
5.	47-090553-004		Intermediate Shaft
6.	11-051035-001		Hex Hd. Cap Screw (6 mm x 16 mm)
7.	11-051769-001		Lockwasher (6 mm)
8.	11-430053-000		Ball Bearing
9.	46-090494-004		Bearing Ring
10.	11-052050-001		Flat Washer (10.5 mm)
11.	11-051037-001		Hex Hd. Cap Screw (10 mm x 16 mm)
12.	47-092416-003	N.A	Pulley
	47-275748-009		2-Piece Pulley Kit
13.	47-090536-003		Shaft
14.	47-092300-004		Polycord (12 mm)
	47-092300-005		Polycord Roll (13 mm x 20 meters long)
15.	11-052802-001		Set Screw (5 mm x 8 mm)
16.	11-052686-001		Rolled Pin (4 mm x 40 mm)
17.	N.A.		Spacer Washer (15 mm x 28 mm 1.6 mm)

N.A. = No Longer Available
R.O. = Replacement Option

Single Feed Distributor
Pulley Shaft Assemblies

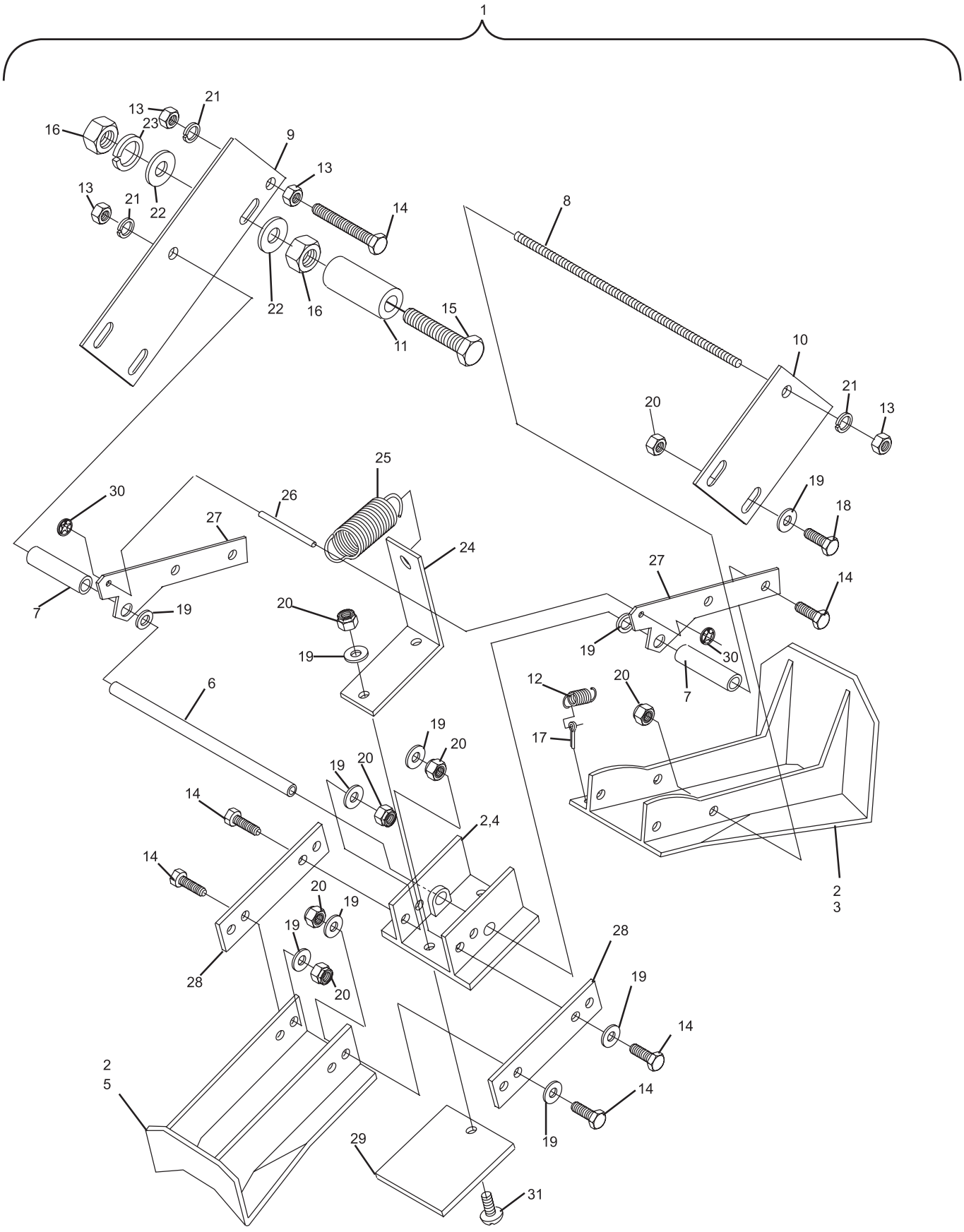


Single Feed Distributor
Pulley Shaft Assemblies

Index No.	Part No.		Description
1.	47-091182-001	N.A.	Adjustable Pin Separator
2.	47-091173-001	N.A.	Pin Separator Assembly (3 piece)
3.	47-094675-009	N.A.	Pin Separator (front)
4.	47-094676-009	N.A.	Pin Separator (middle)
5.	47-094677-009	N.A.	Pin Separator (rear)
6.	47-091174-004	N.A.	Sleeve
7.	47-091175-004	N.A.	Spacer
8.	47-091176-004	N.A.	Shaft
9.	47-091177-004	N.A.	Bearing Plate
10.	47-091178-004	N.A.	Plate
11.	47-091179-004	N.A.	Spacer
12.	47-091181-004		Tension Spring
13.	11-051702-001		Hex Nut (6 mm)
14.	11-051042-001		Hex Hd. Cap Screw (6 mm x 50 mm)
15.	11-051034-001		Hex Hd. Cap Screw (8 mm x 45 mm)
16.	11-051704-001		Hex Nut (8 mm)
17.	11-051795-001		Cotter Pin (1.6 mm x 16 mm)
18.	11-051035-001		Hex Hd. Cap Screw (6 mm x 16 mm)
19.	11-052008-001		Flat Washer (6.4 mm)
20.	11-051743-001		Locknut (6 mm)
21.	11-051769-001		Lockwasher (6 mm)
22.	11-052003-001		Flat Washer (8.4 mm)
23.	11-051770-001		Lockwasher (8 mm)
24.	47-092139-001	N.A.	Plate
25.	47-041792-004		Tension Spring
26.	47-092140-001	N.A.	Pin
27.	47-092138-001		Plate
28.	47-092144-001	N.A.	Plate
29.	47-092145-001	N.A.	Plate
30.	11-053482-001		Speed Nut (6 mm)
31.	11-051880-001	N.A.	Truss Hd. Sltd. Screw (6 mm x 16 mm)
	47-861008-001	R.O.	Truss Hd. Sltd. Screw (6 mm x 16 mm) Pkg. of 10

N.A. = No Longer Available
R.O. = Replacement Option

Pin Separator Assembly (Single Feed Distributor)

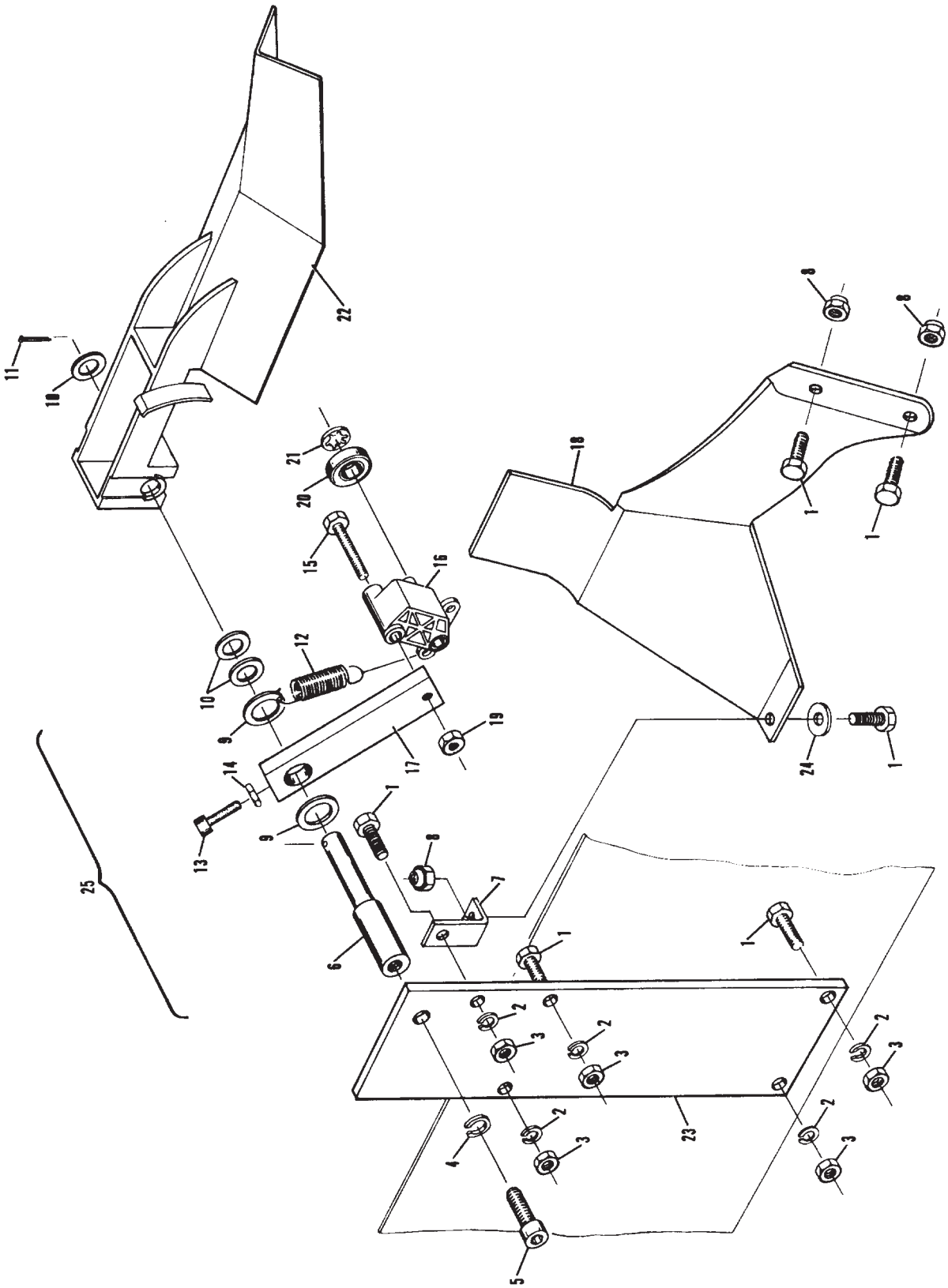


Pin Separator Assembly
(Single Feed Distributor)

Index No.	Part No.		Description
1.	11-051035-001		Hex Hd. Cap Screw (6 mm x 16 mm)
2.	11-051769-001		Lockwasher (6 mm)
3.	11-051702-001		Hex Nut (6 mm)
4.	11-051772-001		Lockwasher (12 mm)
5.	11-051540-001		Socket Hd. Cap Screw (12 mm x 20 mm)
6.	47-090773-004	N.A.	Shaft
7.	47-092085-004	N.A.	Angle Bracket
8.	11-051743-001		Locknut (6 mm)
9.	11-052038-001		Flat Washer (21 mm)
10.	11-052036-001		Flat Washer (15 mm)
11.	11-051786-001		Cotter Pin (2.5 mm x 25 mm)
12.	47-092046-004		Tension Spring
13.	11-051515-001		Socket Hd. Cap Screw (6 mm x 18 mm)
14.	11-053155-001		Hex Hd. Jam Nut (6 mm)
15.	11-051032-001		Hex Hd. Cap Screw (8 mm x 55 mm)
16.	47-092045-004		Bearing Holder
17.	47-092044-004	N.A.	Shaft Plate
18.	47-090856-001	N.A.	Flap
19.	11-051704-001		Hex Nut (8 mm)
20.	11-430049-000		Bearing
21.	11-053480-001		Speed Nut (10 mm)
22.	47-090791-001		Head Centering Flap
23.	47-091501-003	N.A.	Mounting Plate
24.	11-052048-001		Flat Washer (6.4 mm)
25.	47-092072-002	N.A.	Pin Head Centering Device Assembly Complete

N.A. = No Longer Available

Pin Head Centering Device Assembly (Single Feed Distributor)

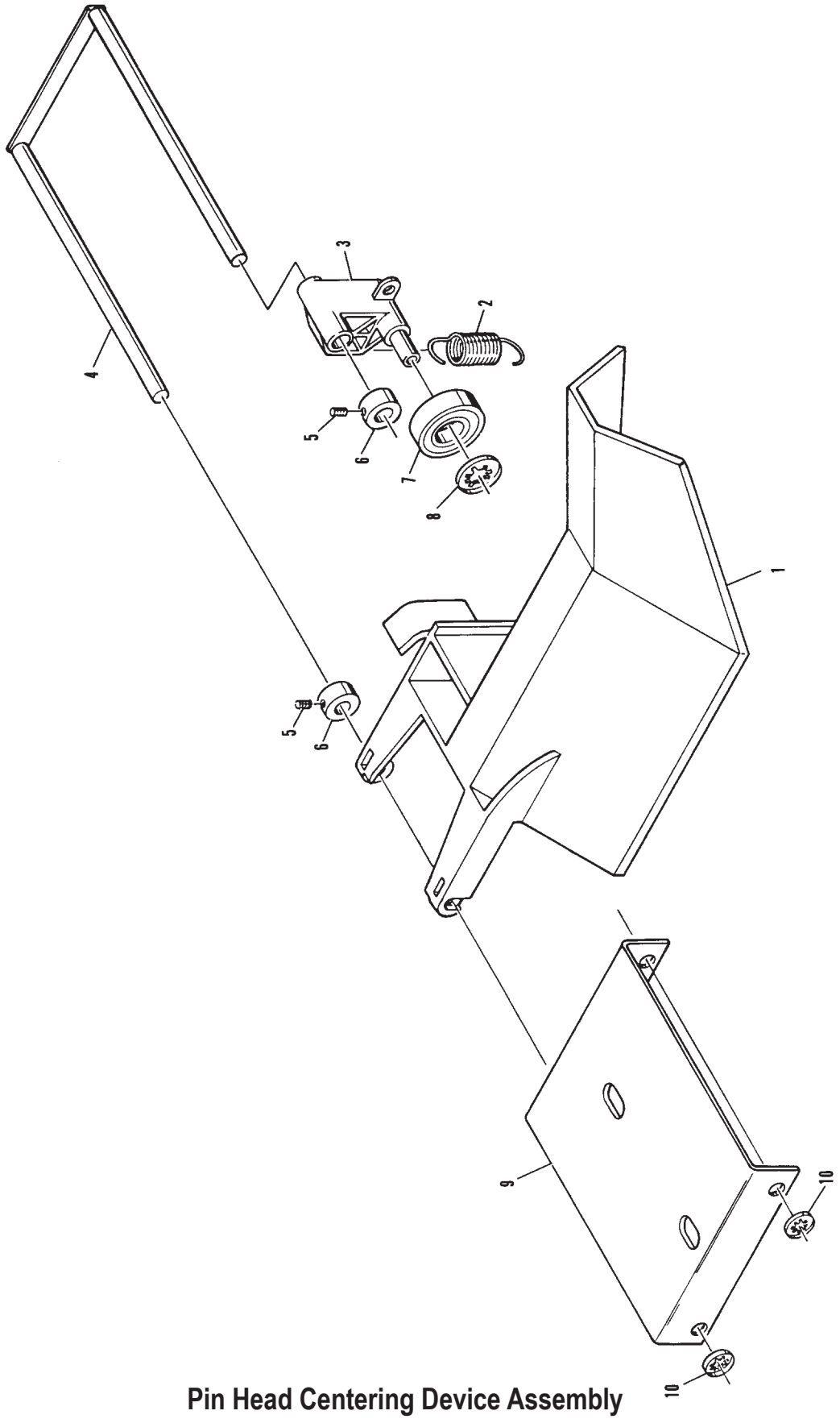


Pin Head Centering Device Assembly
(Single Feed Distributor)

Index No.	Part No.		Description
1.	47-092043-001	N.A.	Head Centering Flap
2.	47-051491-004		Tension Spring
3.	47-092045-004		Bearing Holder
4.	47-092053-004	N.A.	Double Shaft Assembly
5.	11-052802-001		Set Screw (5 mm x 8 mm)
6.	11-053622-001		Stop Collar (8 mm x 16 mm x 8 mm)
7.	11-430049-000		Bearing
8.	11-053478-001	N.A.	Speed Nut (8 mm)
	47-861050-000	R.O.	Speed Nut (8 mm) Pkg. of 10
9.	47-092052-003	N.A.	Mounting Plate
10.	11-053480-001		Speed Nut (10 mm)

N.A. = No Longer Available

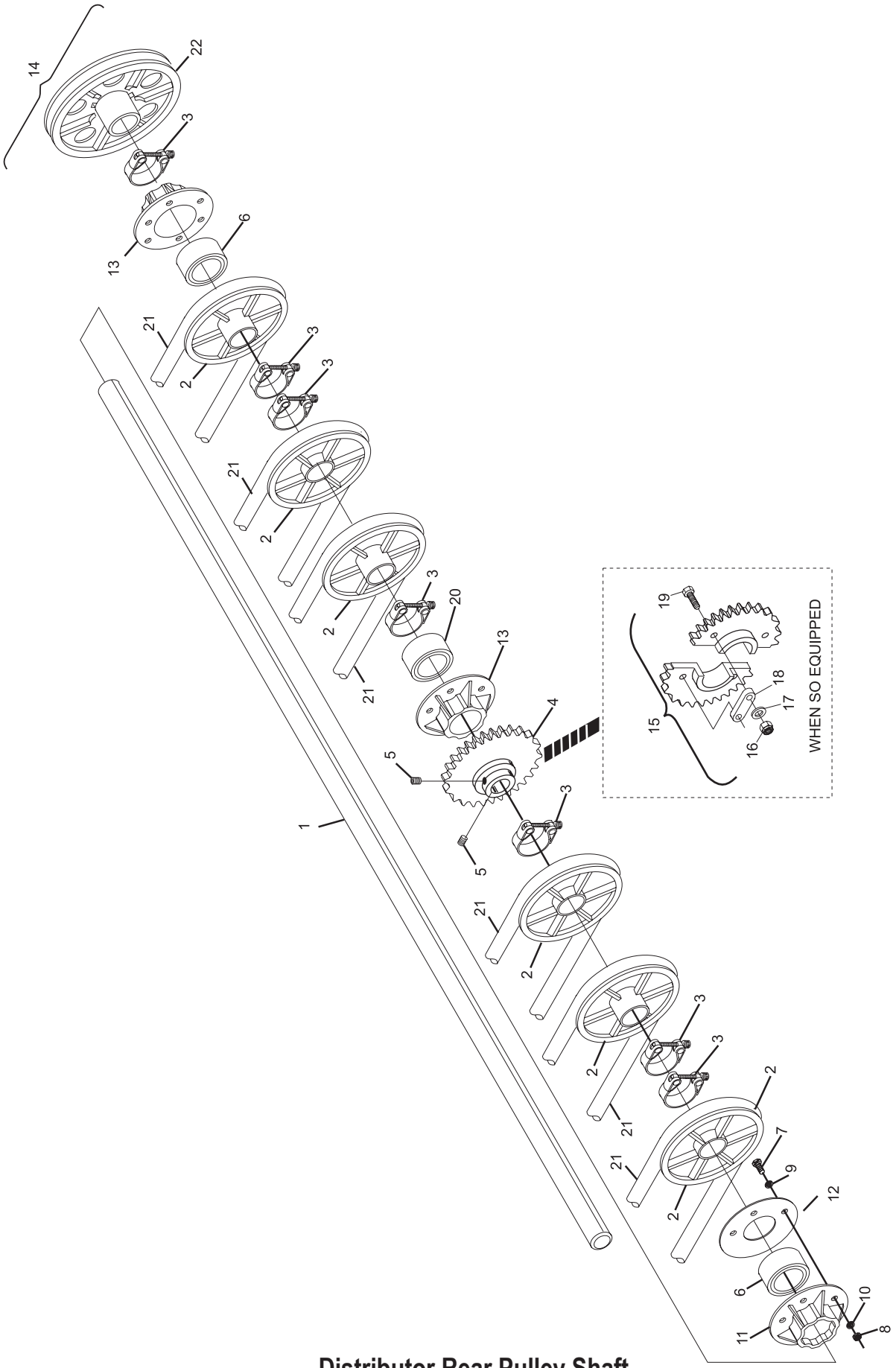
Pin Head Centering Device Assembly



Pin Head Centering Device Assembly

Index No.	Part No.	Description
1.	N.A.	Rear Pulley Shaft
2.	47-093863-003	Round Belt Pulley (132 mm) - use 12 mm Polycord Belt
	47-275748-009	2-Piece Pulley Kit
3.	47-093874-004	Pulley Clamp
4.	47-093900-003	Spur Gear (one piece)
	47-274669-004	Repair Kit, Distributor 2-Piece Pulley
5.	11-052801-001	Set Screw (6 mm x 6 mm)
6.	11-430013-000	Bearing
7.	11-051038-001	Hex Hd. Screw (8 mm x 20 mm)
8.	11-051704-001	Hex Nut (8 mm)
9.	11-052003-001	Flat Washer (8.4 mm)
10.	11-051744-001	Lock Washer (8 mm)
11.	47-094346-003	Bearing Shell w/ Shoulder
12.	47-094351-003	Washer
13.	47-094347-003	Bearing Shell
14.	47-094348-001	Rear Distributor Shaft Assembly
15.	47-274669-004	Spur Gear (two piece)
16.	11-051743-001	Hex Nut (6 mm)
17.	11-052008-001	Washer (6.4 mm)
18.	46-030121-004	Link
19.	11-051028-001	Hex Hd. Cap Screw (6 mm x 25 mm)
20.	47-095050-003	Plastic Bearing
21.	47-092300-004	Poly Cord (12 mm x 44 Meters long)
22.	47-024839-002	Round Belt Pulley (162 mm) - use 15 mm Polycord Belt

Distributor Rear Pulley Shaft



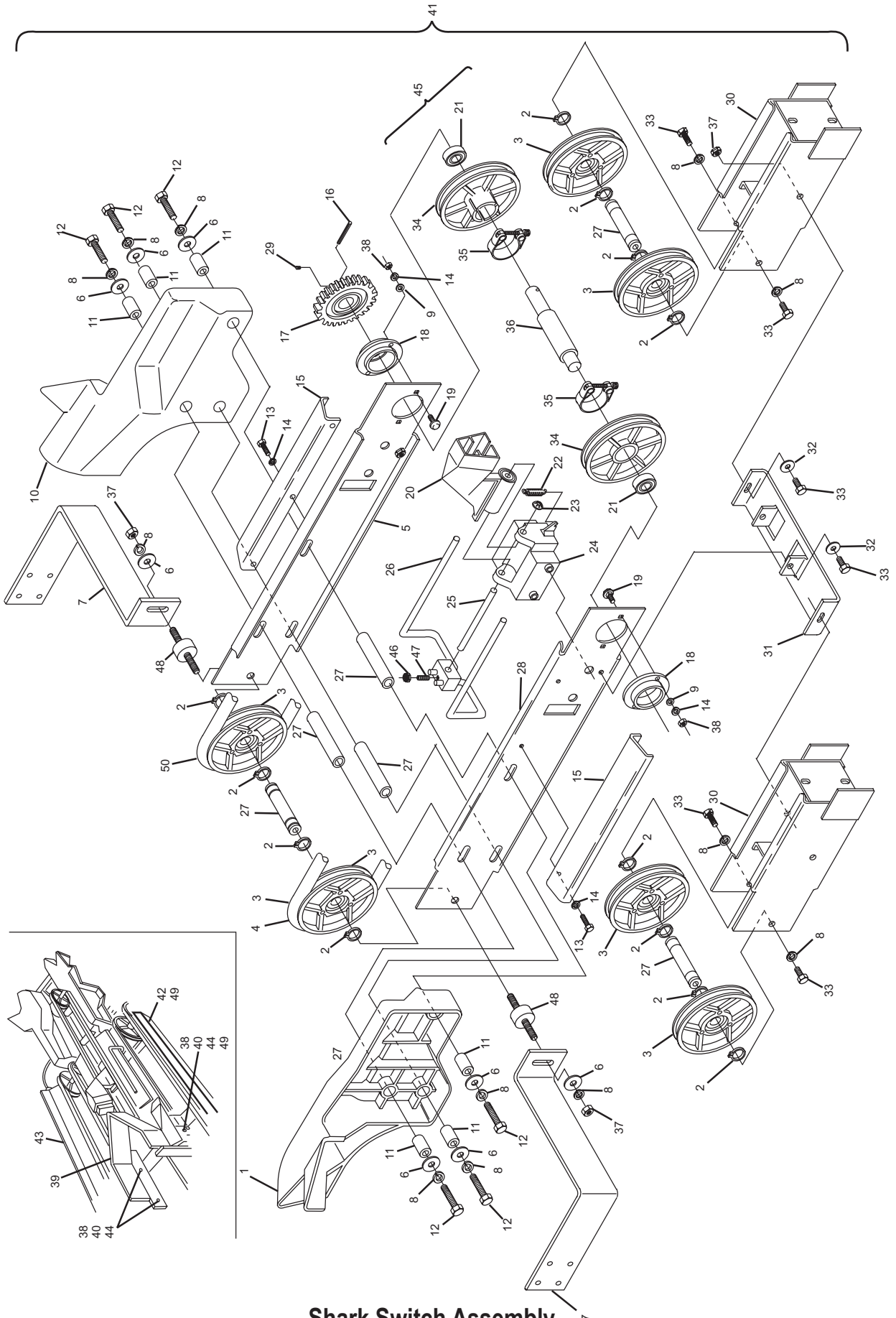
Distributor Rear Pulley Shaft

Index No.	Part No.		Description
1.	47-093929-001		L.H.Pin Guide Wedge
2.	11-051852-001		Retaining Ring (17 mm)
3.	47-092415-003		Drive Belt Pulley
4.	11-052808-001		Socket Set Screw (8 mm x 40 mm)
5.	47-094072-003		R.H. Side Plate
6.	11-052019-001		Flat Washer (8.4 mm)
7.	47-013924-003	N.A.	Elevator Bracket w/o Rubber Mount (336 mm long)
	47-014354-003		Elevator Z-Bracket w/o Rubber Mount (321 mm long)
8.	11-051770-001		Lockwasher (8 mm)
9.	11-052008-001		Flat Washer (6.4 mm)
10.	47-093906-001		R.H. Pin Guide Wedge
11.	47-093925-004		Spacer
12.	11-051053-001		Hex Hd. Machine Screw (8 mm x 40 mm)
13.	11-051001-001		Hex Hd. Machine Screw (6 mm x 12 mm)
14.	11-051769-001		Lockwasher (6 mm)
15.	47-093898-003		Guide
16.	11-052686-001		Roll Pin (4 mm x 40 mm)
17.	47-093899-003		Gear
18.	47-094326-004		Flange
19.	11-052605-001	N.A.	Carriage Bolt (6 mm x 16 mm)
	47-861020-001	R.O.	Carriage Bolt (6 mm x 16 mm) Pkg. of 5
20.	47-094095-002		Fin Switch Complete
21.	11-430007-000		Bearing
22.	47-093962-004		Tension Spring
23.	11-053478-001	N.A.	Speed Nut (8 mm)
	47-861050-00	R.O.	Speed Nut (8 mm) Pkg. of 10
24.	47-093908-002		Pin Guide Housing
25.	47-093905-004		Shaft
26.	47-093894-003		Pin Guide Wires Complete
27.	47-092206-004		Shaft
28.	47-094035-003		L.H. Side Plate
29.	11-052803-001		Set Screw (6 mm x 10 mm)
30.	47-093985-002		Extensions (short pit)
	47-092249-002		Extensions (long pit)
31.	47-093891-003	N.A.	Mounting Plate
32.	11-052003-001		Flat Washer (8.4 mm)
33.	11-051038-001		Hex Hd. Machine Screw (8 mm x 16 mm)
34.	47-094212-004		Pulley Assembly w/Clam
35.	47-093874-004		Pulley Clamp
36.	47-093928-004		Drive Shaft
37.	11-051744-001		Locknut (8 mm)
38.	11-051702-001		Hex Nut (6 mm)
39.	*47-093934-003		Pin Deflector Shoe - Single Piece
40.	11-051072-001		Hex Hd. Machine Screw (6 mm x 14 mm)
41.	47-093920-000	N.A.	Shark Switch Assembly Complete
42.	47-093911-003		L.H. Shark Rail
43.	47-093910-003		R.H. Shark Rail
44.	11-052037-001		Flat Washer (6.4 mm)
45.	47-274659-009	N.A.	Shark Switch Shaft Assembly
46.	11-051743-001		Nylok Nut (6 mm)
47.	11-052850-000		Set Screw (6 mm x 20 mm)
48.	11-053579-000		Rubber Mount
49.	47-094232-004		Rubber Grommet
50.	47-092300-004		Poly Cord (12 mm x 44 Meters long)

N.A. = No Longer Available
R.O. = Replacement Option

* For Two-Piece Shoe, order 1 each 47-095172-003 Right-Hand Shoe and 1 each 47-095173-003 Left-Hand Shoe.

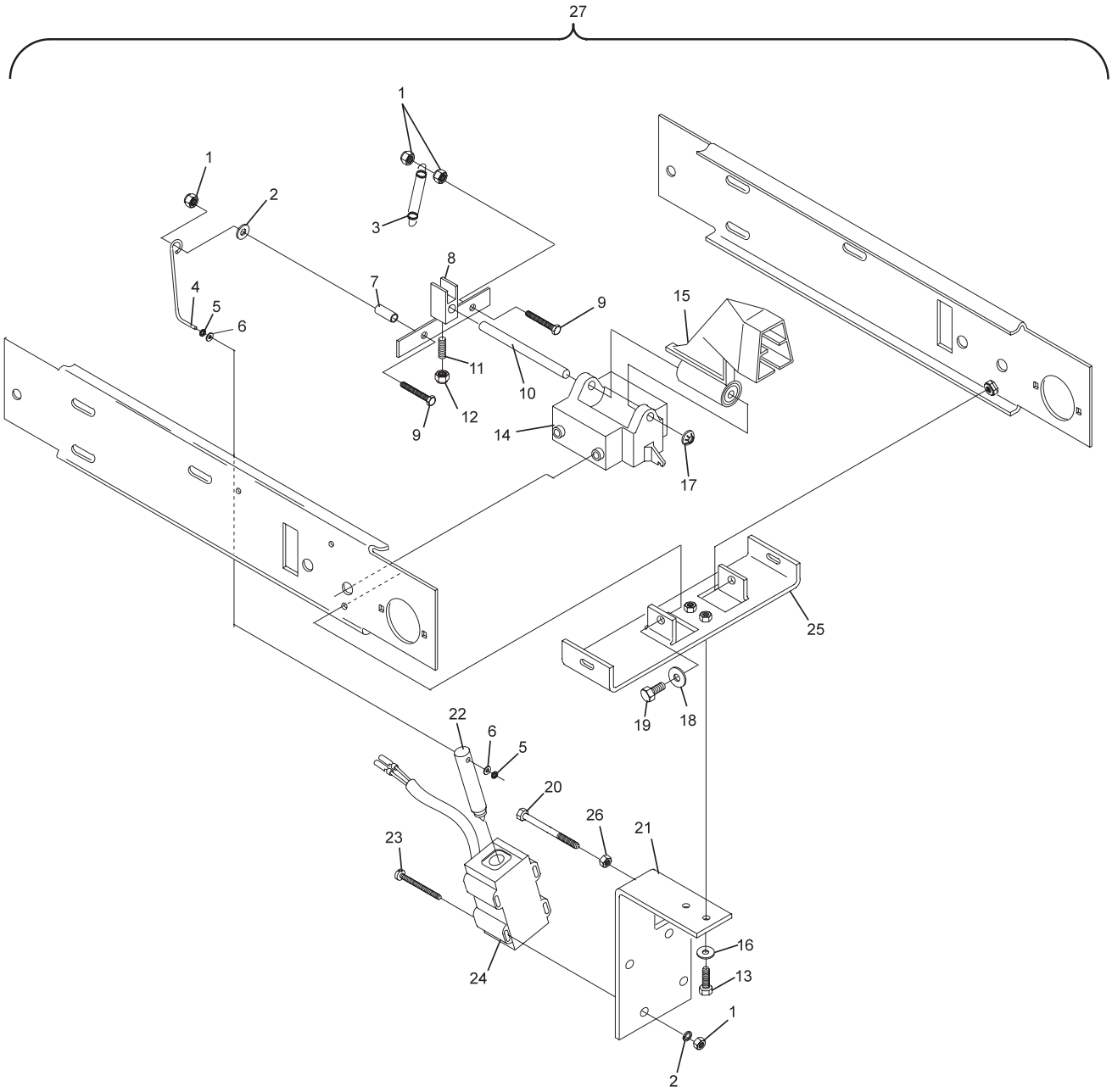
Shark Switch Assembly
Short Pit Machines Series 43 and Above (Excludes Smart Shark)



Shark Switch Assembly
Short Pit Machines Series 43 and Above (Excludes Smart Shark)

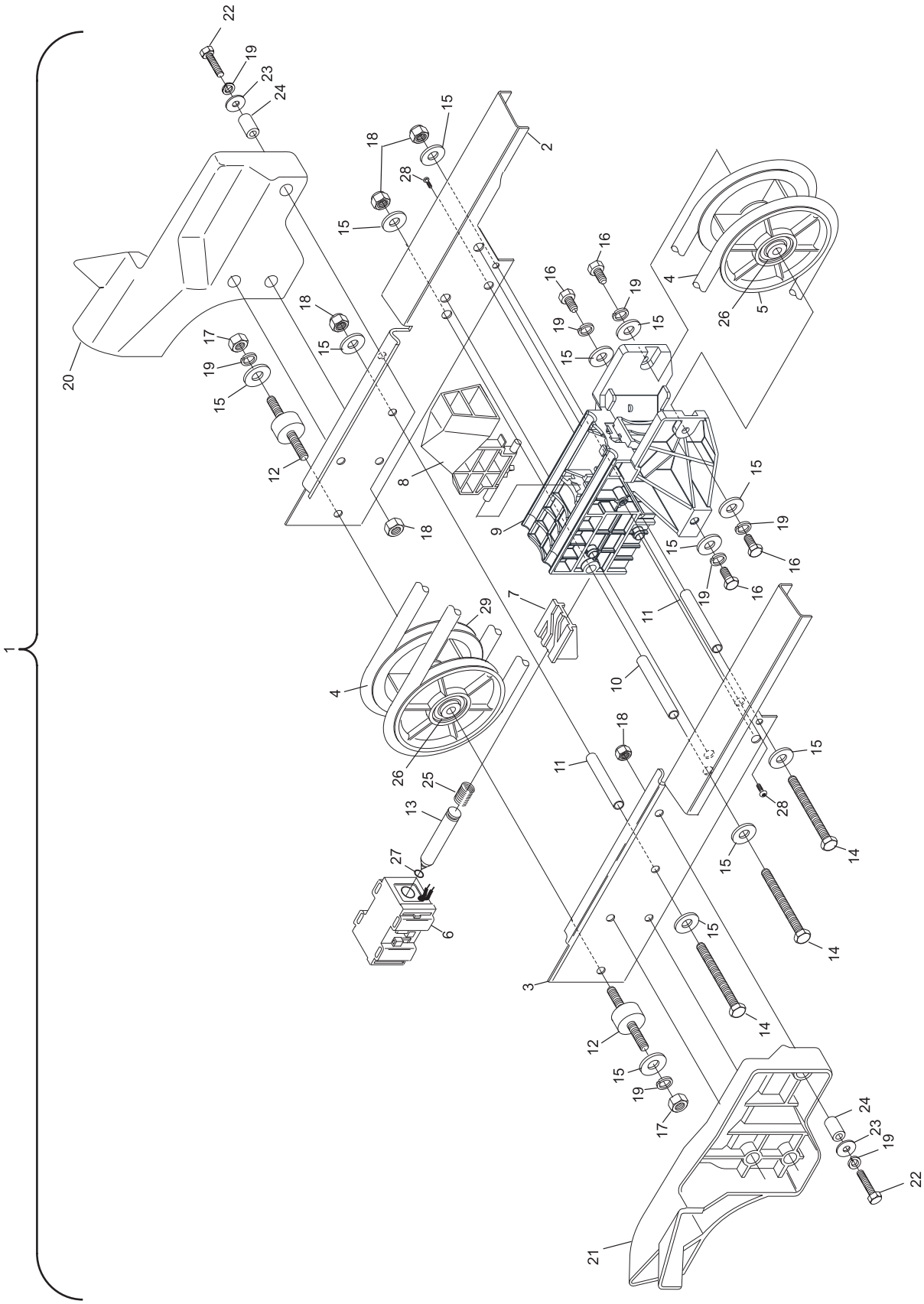
Index No.	Part No.		Description
1.	11-051742-001		Nut (5 mm)
2.	11-052039-001		Flat Washer (5.3 mm)
3.	47-094713-004		Return Spring
4.	47-094264-004		Solenoid Link
5.	11-053476-001		Speed Nut (4 mm)
6.	11-052021-001		Flat Washer (4.3 mm)
7.	47-094265-004		Spacer
8.	47-094270-004		See Saw (Teeter)
9.	11-051004-001	N.A.	Hex Head Screw (5 mm x 25 mm)
	47-861001-001	R.O.	Hex Head Screw (5 mm x 25 mm) Pkg. of 10
10.	47-093905-004		Shaft
11.	11-052850-000		Socket Set Screw (6 mm x 20 mm)
12.	11-051743-001		Locknut (6 mm)
13.	11-051035-001		Hex Head Machine Screw (6 mm x 16 mm)
14.	47-093908-002		Pin Guide Housing
15.	47-094095-002		Fin Switch Complete
16.	11-051769-001		Washer (6 mm)
17.	11-053478-001	N.A.	Speed Nut (8 mm)
	47-861050-000	R.O.	Speed Nut (8 mm) Pkg. of 10
18.	11-052003-001		Flat Washer (8.4 mm)
19.	11-051038-001		Hex Hd. Machine Screw (8 mm x 16 mm)
20.	11-051089-001	N.A.	Hex Head Cap Screw (5 mm x 45 mm)
21.	47-094704-003		Solenoid Bracket
22.	99-060133-004		Solenoid Plunger
23.	11-051558-001	N.A.	Hex Head Machine Screw (5 mm x 55 mm)
24.	99-060242-004		Solenoid (silver and consolidated electronics box)
25.	47-093891-003	N.A.	Mounting Plate (includes Weldnut)
26.	11-051701-001		Hex Nut (5 mm)
27.	47-094722-001	N.A.	Smart Shark Assembly Complete

N.A. = No Longer Available
R.O. = Replacement Option



Smart Shark
(GS - 96)

Index No.	Part No.		Description
1.	47-095108-001		Shark Switch Assembly
2.	47-095104-001		R.H.Guide
3.	47-095103-001		L.H. Guide
4.	47-092300-004		Polycord (12 mm x 44 Meters Long)
5.	47-095101-001	N.A.	Round Belt Geared Pulley
	*47-095744-004	R.O.	Round Belt Geared Pulley - Complete
6.	99-060387-004		Solenoid - only (consolidated and nexgen electronics box)
7.	47-095105-003		Slide
8.	47-095106-001		Fin Switch
9.	47-095107-003		Housing
10.	47-095112-004		Spacer - short
11.	47-095109-004		Spacer - long
12.	11-053579-000		Rubber Mount
13.	47-095111-004		Solenoid Plunger
14.	11-051081-001		Hex Hd. Cap Screw (8 mm x 100 mm)
15.	11-052006-001		Washer (8.4 mm)
16.	11-051010-001		Hex Hd. Cap Screw (8 mm x 20 mm)
17.	11-051704-001		Hex Nut (8 mm)
18.	11-051744-001		Lock Nut (8 mm)
19.	11-051770-001		Lock Washer (8 mm)
20.	47-093906-001		R.H. Pin Guide Wedge
21.	47-093929-001		L.H. Pin Guide Wedge
22.	11-051026-001		Hex Hd. Cap Screw (8 mm x 40 mm)
23.	11-052019-001		Flat Washer (8.4 mm)
24.	47-093925-004		Spacer
25.	99-090348-004		Spring
26.	11-430007-000		Bearing
27.	99-090349-004		O-Ring
28.	11-054459-000		Plastic Torx Tapping Screw (K16 x 16 mm)
29.	47-095745-004		Round Belt Pulley - Non Geared



GS-X
Smart Shark

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Section K

SILVER BOX/UNIVERSAL VOLTAGE SILVER BOX ELECTRICAL

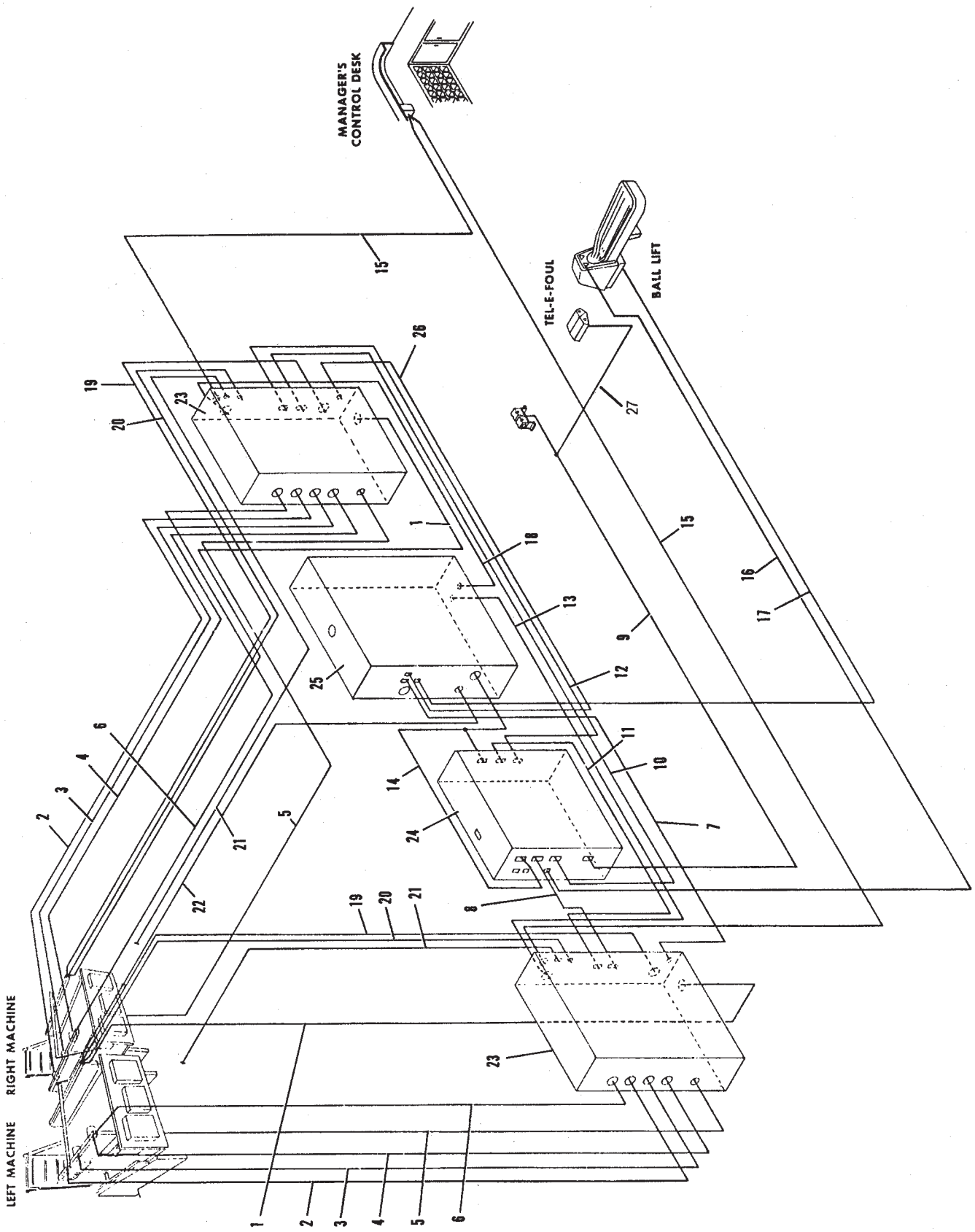
Index No.	Part No.		Description
1.	68-100051-000		Setting Table Cable Assembly (female to female)
2.	68-100180-000		Setting Table Motor Cable Assembly
3.	68-100181-000	N.A.	Sweep Motor Cable Assembly
4.	68-100182-000	N.A.	Elevator Motor Cable Assembly
5.	*N.A.		Pin Light Cable Assembly
6.	68-100053-000	N.A.	L.H. Function Solenoid & Switches Cable Assembly
7.	68-100160-000	N.A.	High Voltage Box To Common Box Cable Assembly (L.H. machine)
8.	68-100044-000	N.A.	Switch Data Cable Assembly (Lane No. 1)
9.	47-192952-000		Foul & Optical Trigger Cable Assembly
10.	68-100158-000	N.A.	Switch Data Cable Assembly (Lane No. 2)
11.	68-100046-000		Solenoid Data Cable Assembly (Lane No. 1)
12.	68-100157-000	N.A.	Solenoid Data Cable Assembly (Lane No. 2)
13.	**N.A.		igh Voltage Power Supply Cable Assembly (box 1)
14.	N.A.		Gamesetter Power & Peripheral Control Cable Assembly
15.	68-100159-000	N.A.	Manager's Remote "On" Cable Assembly
16.	68-100050-000	N.A.	Player Control Cable Assembly
17.	68-100061-000	N.A.	Ball Lift Control Cable Assembly
18.	**N.A.		High Voltage Power Supply Cable Switch Assembly (box 2)
19.	68-100385-000	N.A.	R.H. Trouble Light & Ball Door Cable Assembly
20.	68-100176-000	N.A.	Rear Control Box Cable Assembly
21.	53-200871-000		Masking Unit Cable Assembly
22.	68-100178-000	N.A.	Ball Accelerator Motor Cable Assembly
23.	47-862706-000	N.A.	High Voltage Box Complete
24.	47-862708-402	N.A.	Gamesetter Box Assembly
25.	47-862707-000	N.A.	Common Box Complete
26.	68-100160-010		High Voltage Box to Common Box Cable Assembly (right-hand machine)
27.	47-862717-000		Foul to Optical Trigger Cable Assembly

N.A. = No Longer Available

* Part of Pin Light Assembly - shown on page 3H.

** Part of Common Box Complete, Index No. 25.

High Voltage Box, Common Box, Gamesetter Box and Cable Assemblies - Silver Box



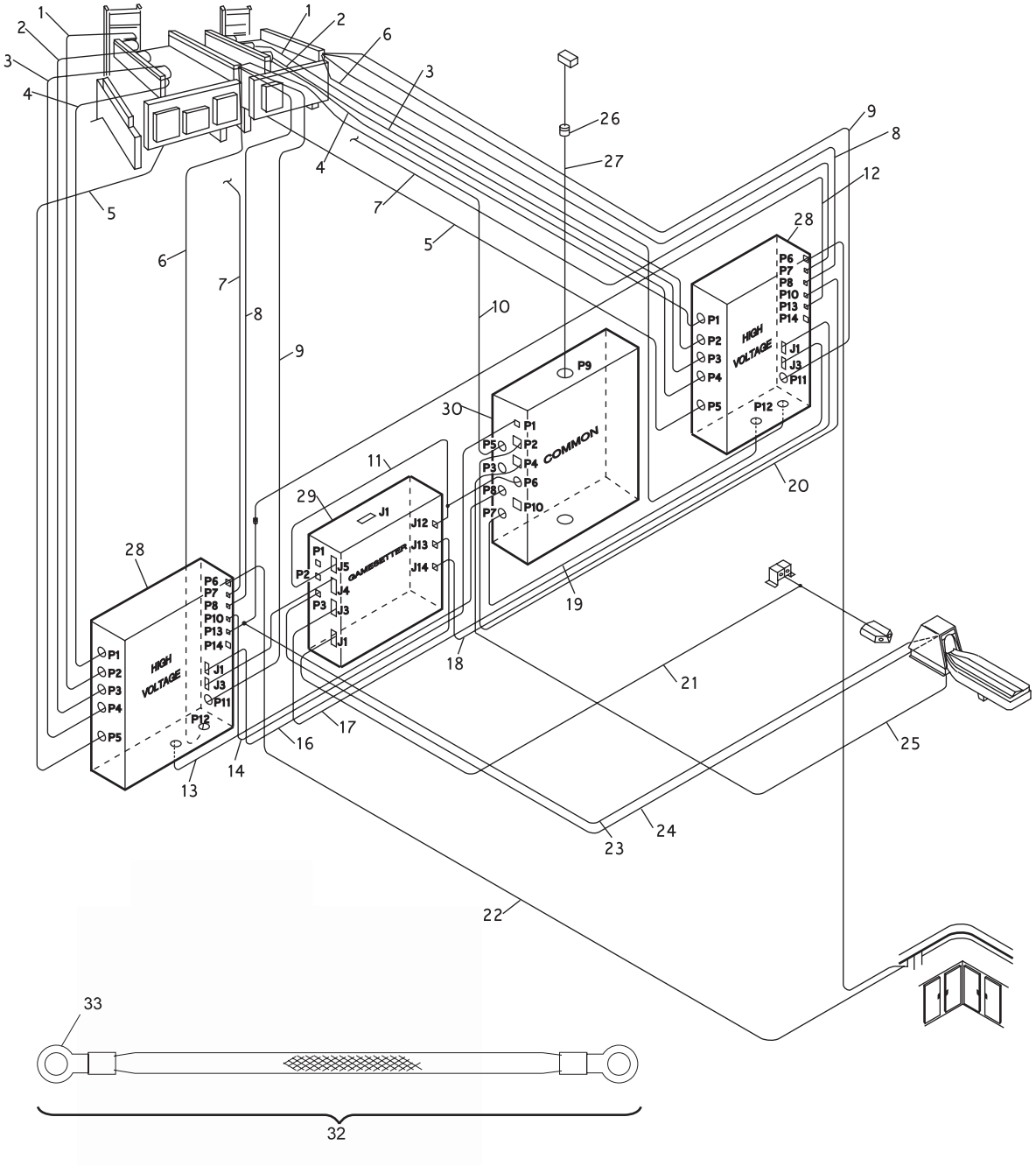
Smart Shark, High Voltage Box, Common Box,
Gamesetter Box and Cable Assemblies - Universal Voltage Silver Box

Index No.	Part No.		Description
1.	68-100379-000		Table Motor Cable Assembly
2.	68-100380-000		Sweep Motor Cable Assembly
3.	68-100381-000		Elevator Motor Cable Assembly
4.	47-182500-000	N.A.	L.H. Side Function Solenoids & Switches Cable Assembly
5.	*N.A.		Pin Light Cable Assembly
6.	47-243069-004		Setting Table Cable Assembly (male and female ends)
7.	53-200871-000		Masking Unit Cable Assembly (male and female ends)
8.	68-100176-000	N.A.	Rear Control Box Cable Assembly
9.	68-100385-000		R.H. Trouble Light & Ball Door Switch Assembly
10.	68-100192-000	N.A.	Ball Accelerator Motor Cable Assembly
11.	68-100193-000		Gamesetter Power Cable Assembly
12.	68-100199-000	N.A.	R.H. Ball Rack Reset Cable Assembly
13.	**N.A.		Voltage Power Supply (box 1) Cable Assembly
14.	68-100382-000	N.A.	L.H Common Box Remote “ON” Cable Assembly
15.	****68-100044-000	N.A.	Switch Data Cable Assembly (Lane No. 1)
16.	68-100046-000		Solenoid Data Cable Assembly (Lane No. 1)
17.	68-100158-000	N.A.	Switch Data Cable Assembly (Lane No. 2)
18.	68-100157-000	N.A.	Solenoid Data Cable Assembly (Lane No. 2)
19.	**N.A.		High Voltage Power Supply Cable Assembly (box 2)
20.	68-100383-000		R.H. Common Box Remote “ON” R.H. Cable Assembly
21.	47-192952-000		Foul & Optical Trigger Cable Assembly (Silver Box and Universal Voltage Silver Box)
22.	N.A.***		Manager’s Remote “On” Cable Assembly
23.	N.A.		Ball Rack Reset Cable Assembly
24.	68-100050-000	N.A.	Player Control Cable Assembly
25.	68-100061-000	N.A.	Ball Lift Control Cable Assembly
26.	11-680027-000		Twist Lock Receptacle
27.	47-862735-000		Power Adaptor Cable Assembly
28.	47-862712-000	N.A.	High Voltage Box Assembly Complete
	47-162839-000		High Voltage PCB Assembly (Smart Shark)
29.	47-862711-401	N.A.	Gamesetter Box Assembly w/Smart Shark Complete
	47-862801-000	N.A.	Gamesetter I/O PCB Assembly
	N.A.		Gamesetter CPU (Smart Shark) - available through Brunswick Rapid Exchange
30.	47-862745-000	N.A.	Common Box Assembly Complete
31.	****47-862743-000	N.A.	External Cable Package-GS-92 Pinsetters (includes index numbers 11,15,16,18, and 19, also includes 1 each of Ball Lift Adapter Cable 68-100272-000)
32.	68-100273-000		Pinsetter to High Voltage Ground Cable Assembly
33.	11-612030-000	N.A.	Terminal
34.	11-612029-000	N.A.	Terminal
35.	N.A.		High Voltage to Gamesetter to Common Box Cable Assembly
36.	47-862717-000		Foul to Optical Trigger Cable Assembly

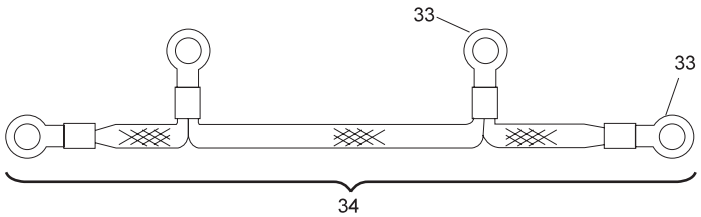
N.A. = No Longer Available

* Part of Pin Light Assembly - shown on page 3H
** Part of Common Box Assembly Complete, index no. 30
*** Remove EPROM and Replace with Existing Software If Not Smart Shark
**** Not Illustrated

Smart Shark, High Voltage Box, Common Box, Gamesetter Box and Cable Assemblies - Universal Voltage Silver Box



PINSETTER TO HIGH VOLTAGE GROUND CABLE ASSEMBLY



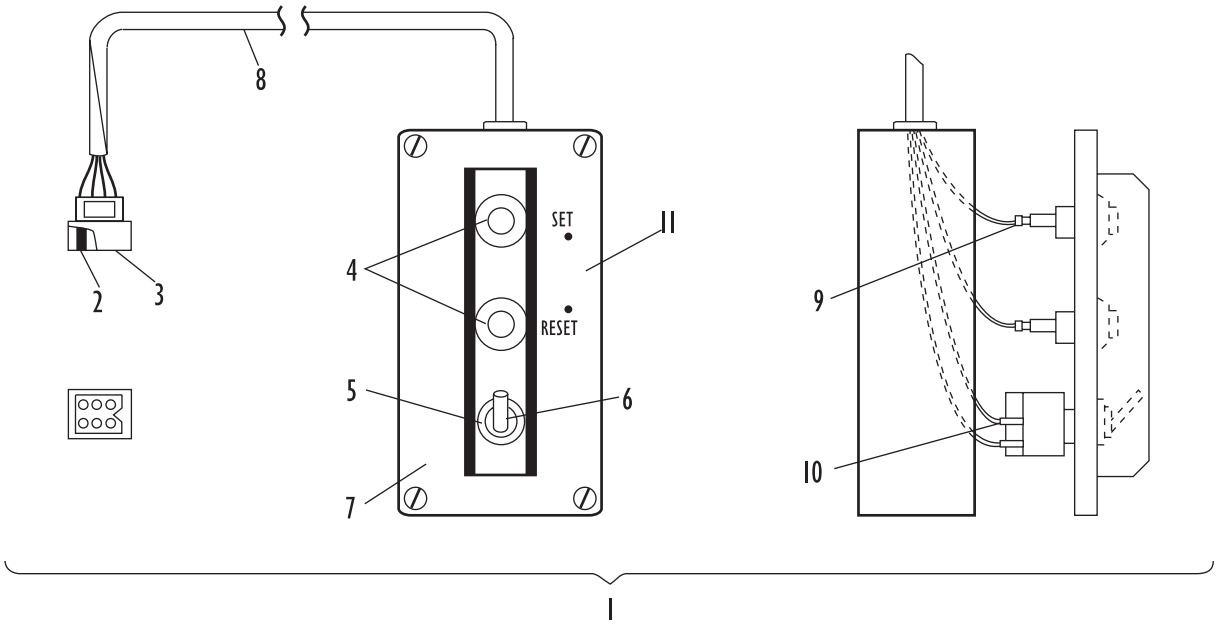
HIGH VOLTAGE TO GAMESETTER TO COMMON GROUND CABLE ASSEMBLY

Smart Shark, High Voltage Box, Common Box, Gamesetter Box and Cable Assemblies - Universal Voltage Silver Box

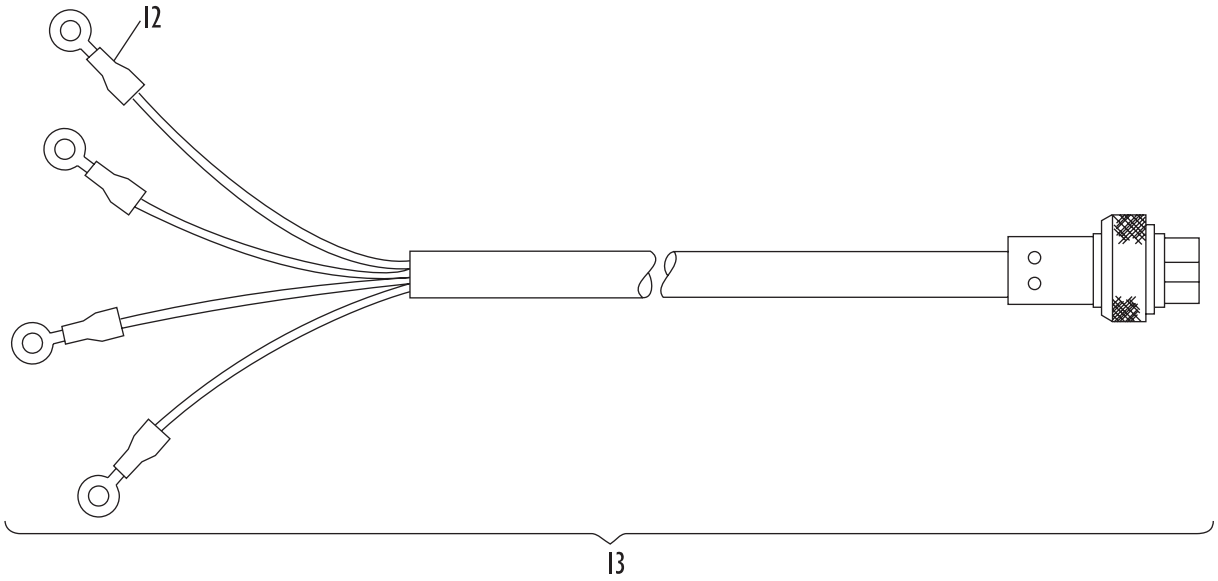
Index No.	Part No.		Description
1.	47-243071-000		Rear Control Box w/Cable Assembly (Consolidated)
2.	11-680302-000	N.A.	Terminal
	57-860032-000	R.O.	Terminal - Male (Pkg. of 10)
3.	11-680107-000	N.A.	Connector (6 circuit)
4.	11-615013-000		Push Button Switch
5.	N.A.		Grommet
6.	11-615515-000		Toggle Switch
7.	47-243072-004	N.A.	Rear Control Box
8.	68-100276-000	N.A.	Rear Control Box Cable Assembly
9.	N.A.		Terminal
10.	N.A.		Terminal
11.	47-243070-004	N.A.	Rear Control Plate
12.	11-612012-000	N.A.	Terminal
13.	68-100178-000	N.A.	Plug Assembly w/Pin Contacts for Ball Accelerator Motor (172”)
	68-100180-000		Plug Assembly w/Pin Contacts for Table Motor (106”)
	68-100181-000	N.A.	Plug Assembly w/Pin Contacts for Sweep Motor (87”)
	68-100182-000	N.A.	Plug Assembly w/Pin Contacts for Elevator Motor (64”)

N.A. = No Longer Available

Rear Control Box and Plug Assembly with Pin Contacts Cable Assemblies - Silver Box



Rear Control Box Cable Assembly



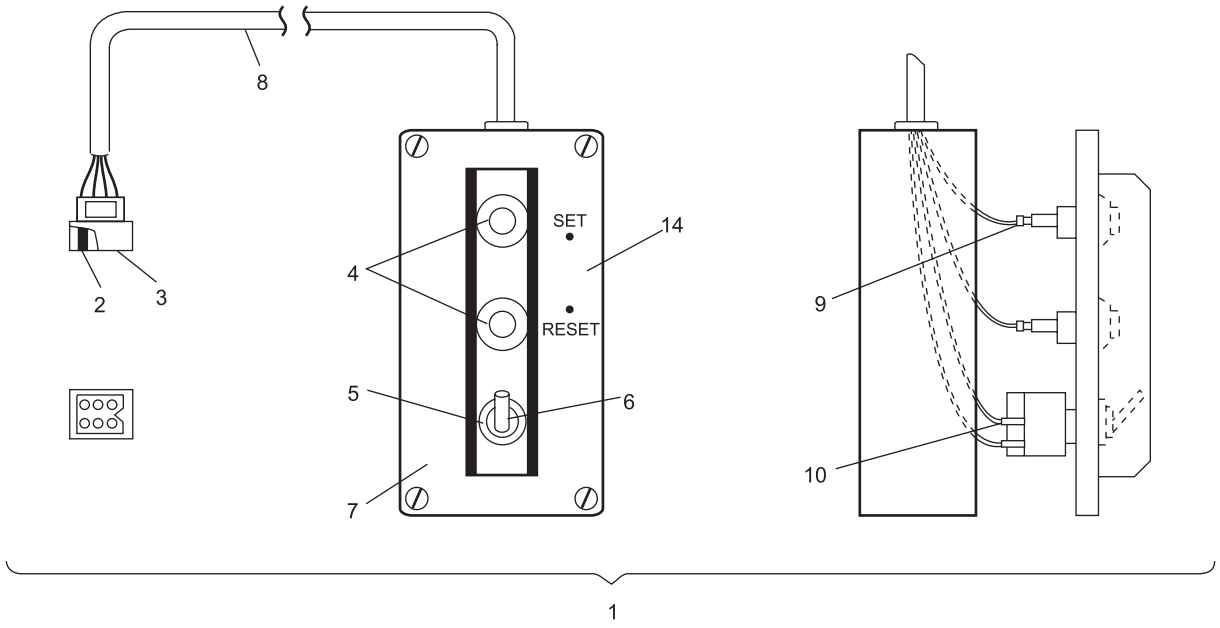
Plug Assembly with Pin Contacts

Rear Control Box and Plug Assembly with Pin Contacts Cable Assemblies - Silver Box

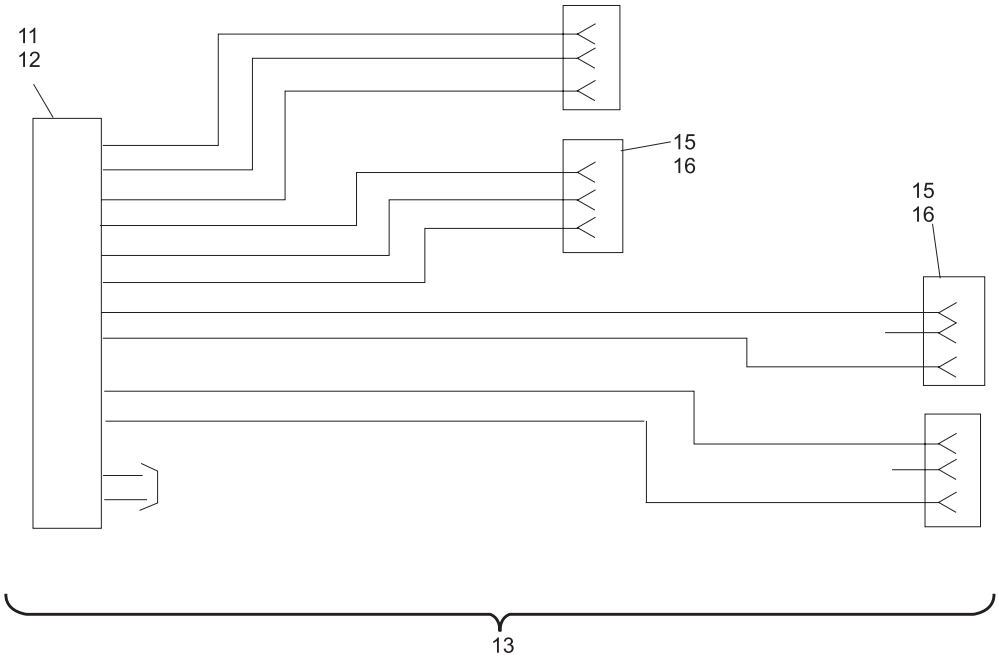
Index No.	Part No.		Description
1.	47-243071-003		Rear Control Box w/Cable Assembly
2.	11-680107-000	N.A.	Connector (6 Circuit)
3.	11-680302-000	N.A.	Terminal
	57-860032-000	R.O.	Terminal - Male (Pkg. of 10)
4.	11-615013-000		Push Button Switch
5.	N.A.		Grommet
6.	11-615515-000		Toggle Switch
7.	47-243072-004	N.A.	Rear Control Box
	47-243071-000	R.O.	Rear Control Box (Consolidated)
8.	68-100276-000	N.A.	Rear Control Box Cable Assembly
9.	N.A.		Terminal
10.	N.A.		Connector
11.	11-697328-000	N.A.	Connector
12.	N/A		Terminal
13.	47-192952-000		Foul & Optical Trigger Cable Assembly
14.	47-243070-004		Rear Control Plate
15.	11-680201-000		Connector
16.	11-680301-000	N.A.	Terminal
	57-860031-000	R.O.	Terminal - Female (Pkg. of 20)

N.A.= No Longer Available
R.O. = Replacement Option

Rear Control Boxand Foul & Optical Trigger Cable Assemblies - Universal Voltage Silver Box



Rear Control Box Cable Assembly



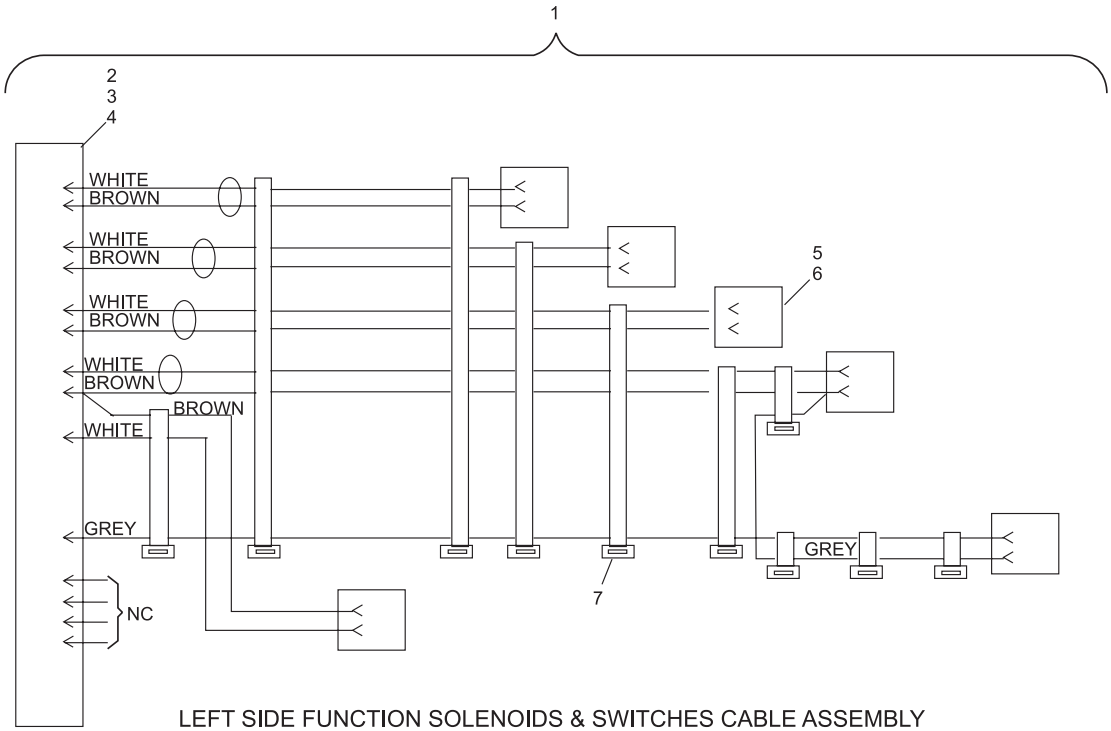
FOUL AND OPTICAL TRIGGER CABLE ASSEMBLY

Rear Control Boxand Foul & Optical Trigger Cable Assemblies - Universal Voltage Silver Box

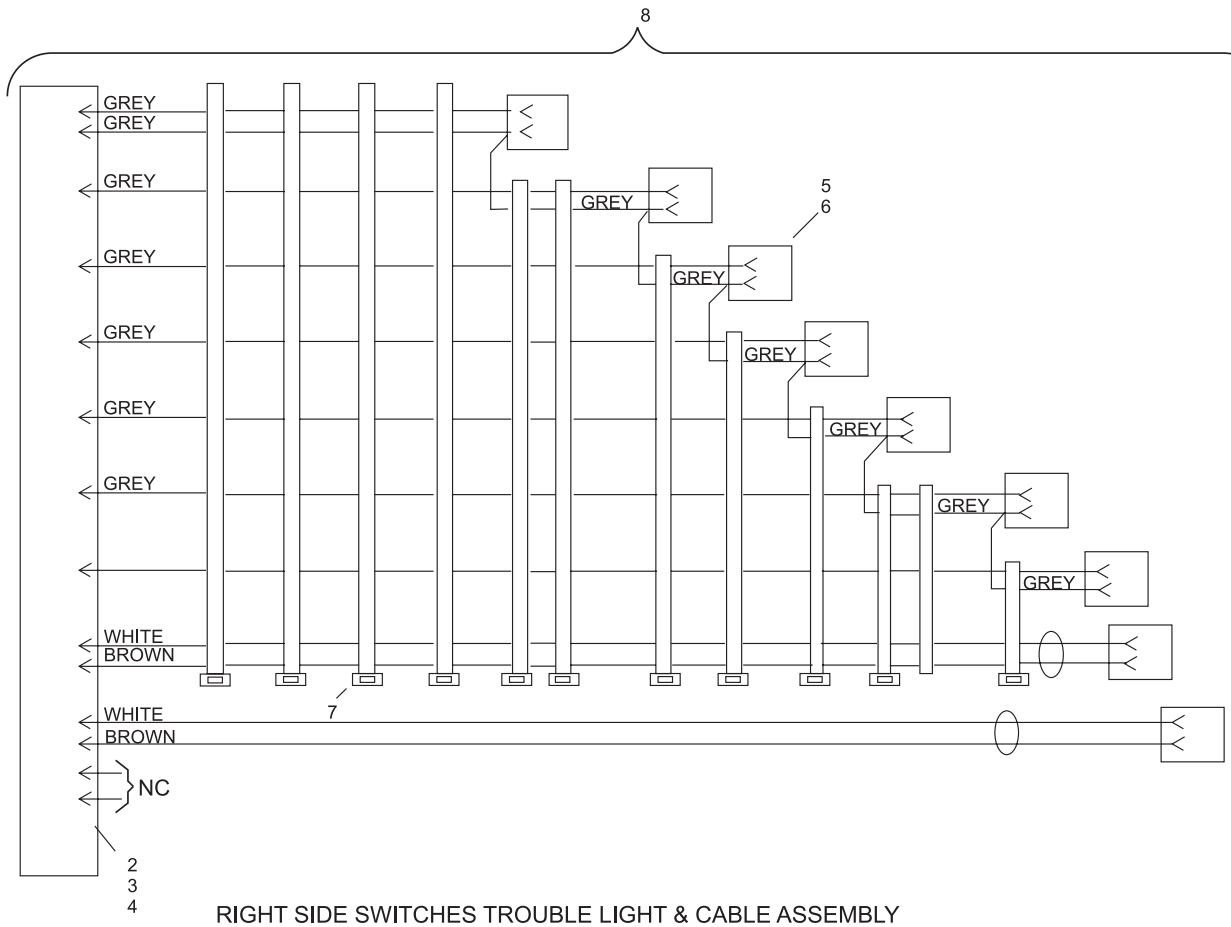
Index No.	Part No.		Description
1.	68-100384-000		L.H. Side Function Solenoid & Switches Cable Assembly - Universal
	68-100053-000	N.A.	L.H. Side Function Solenoid & Switches Cable Assembly - Silver Box
2.	11-615080-000	N.A.	Connector
3.	N.A.		Cable Clamp
4.	11-615101-000		Terminal
5.	11-680216-000		Connector
6.	11-680301-000	N.A.	Terminal
	57-860031-000	R.O.	Terminal - Female (Pkg. of 20)
7.	11-603108-000	N.A.	Cable Tie (3-5/8”)
8.	68-100385-000	N.A.	R.H. Side Switches, Trouble Light & Ball Door Cable Assembly

N.A. = No Longer Available

L.H.Side Function Solenoids & Switches and Side Switches, R.H. Trouble Light & Ball Door Cable Assemblies - Universal Voltage Silver Box



LEFT SIDE FUNCTION SOLENOIDS & SWITCHES CABLE ASSEMBLY



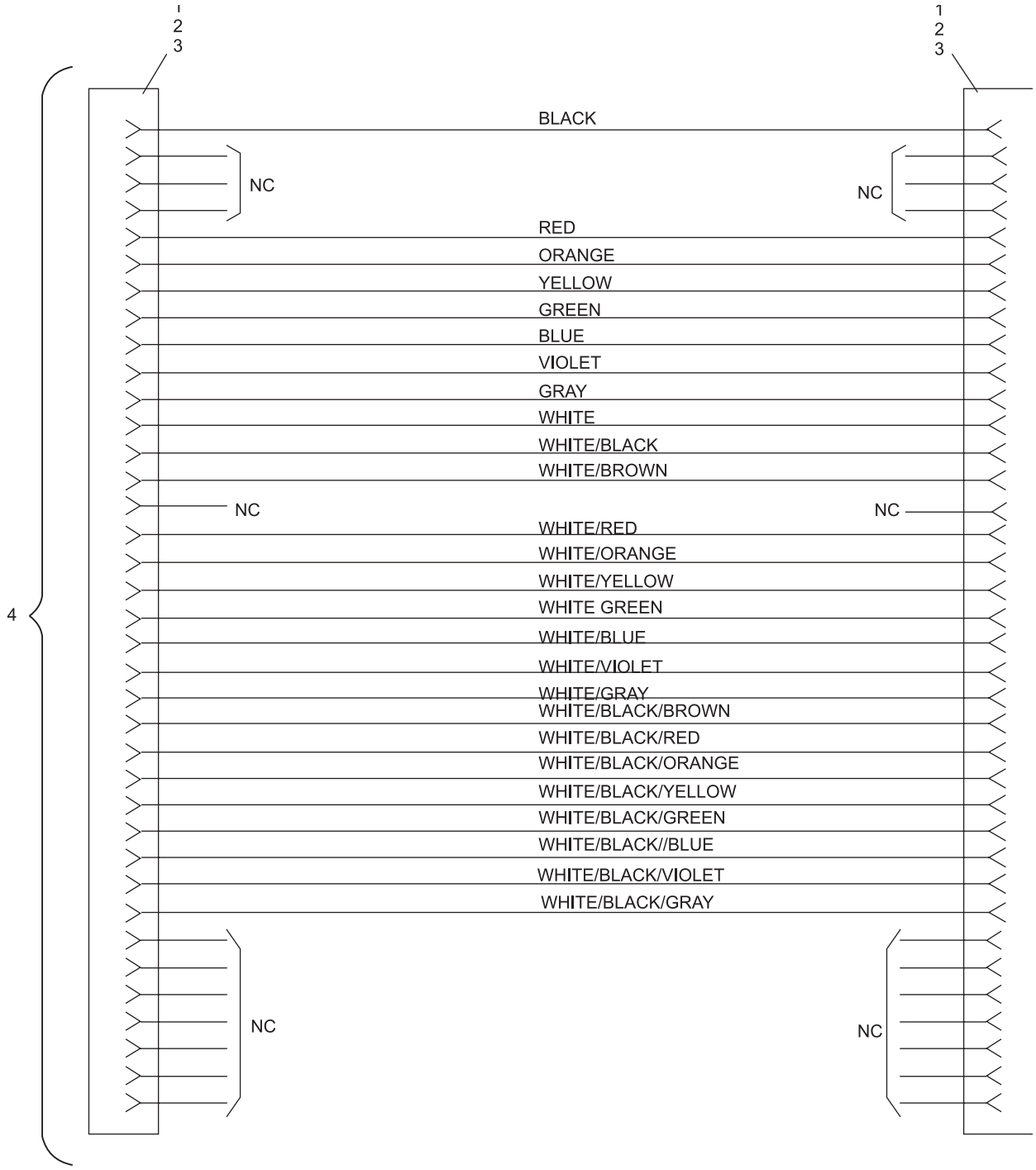
RIGHT SIDE SWITCHES TROUBLE LIGHT & CABLE ASSEMBLY

L.H.Side Function Solenoids & Switches and Side Switches, R.H. Trouble Light & Ball Door Cable Assemblies - Universal Voltage Silver Box

Index No.	Part No.		Description
1.	11-615075-000	N.A.	Connector
2.	11-615127-000		Cable Clamp
3.	11-615102-000	N.A.	Contact
4.	68-100051-000		Setting Table Cable Assembly Complete (both female ends)

N.A. = No Longer Available

Setting Table Cable Assembly - Silver Box



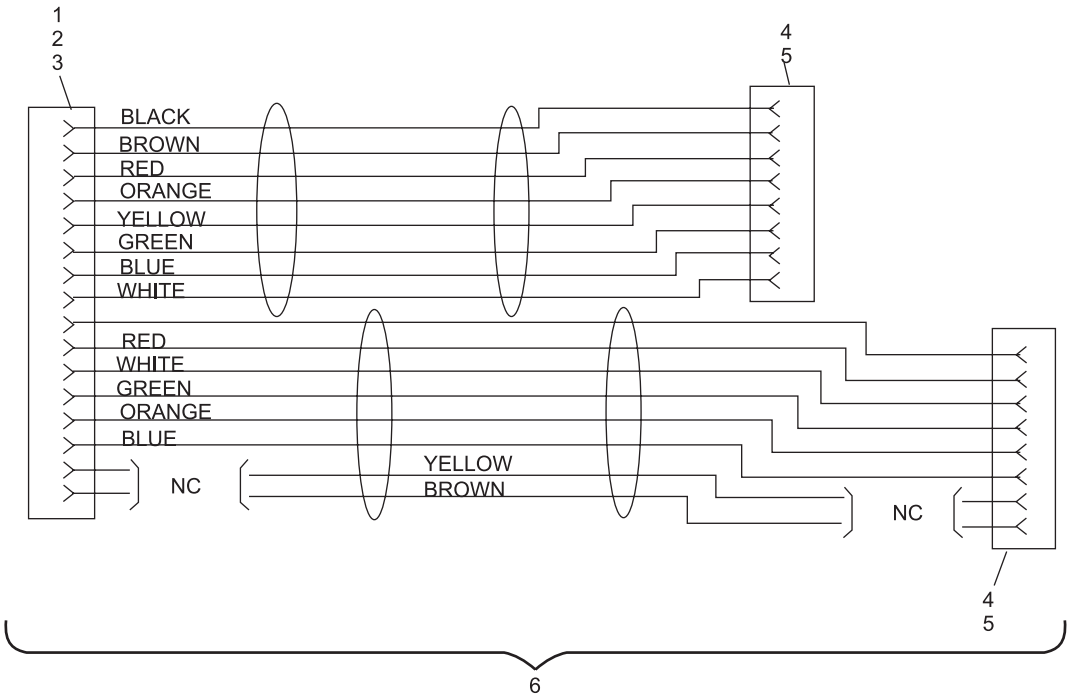
SETTING TABLE CABLE ASSEMBLY

Setting Table Cable Assembly - Silver Box

Index No.	Part No.		Description
1.	N.A.		Connector
2.	11-615127-000		Cable Clamp
3.	11-615102-000	N.A.	Contact
4.	11-697208-000	N.A.	Connector
5.	11-680322-000	N.A.	Terminal
	57-860042-000	R.O.	Terminal - Female (Pkg. of 20)
6.	N.A.		Gamesetter Power & Peripheral Control Cable Assembly

N.A. = No Longer Available

Gamesetter Power & Peripheral Control Cable Assembly - Silver Box



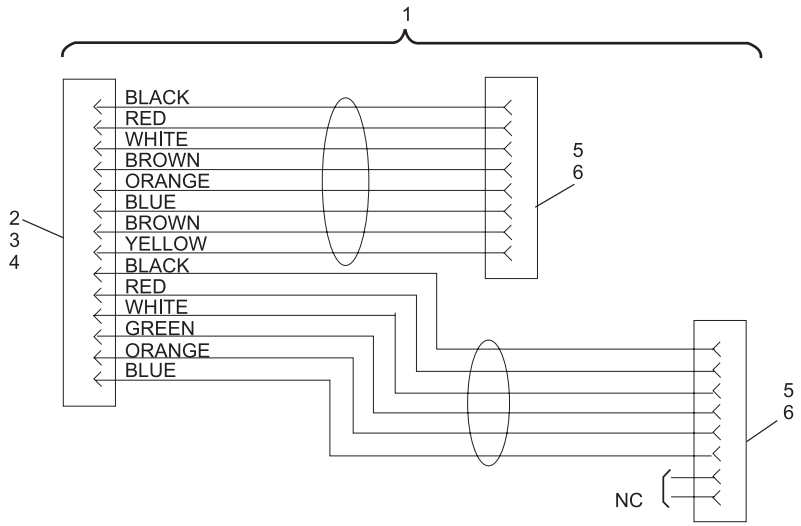
GAMESETTER POWER & PERIPHERAL CABLE ASSEMBLY

Gamesetter Power & Peripheral Control Cable Assembly - Silver Box

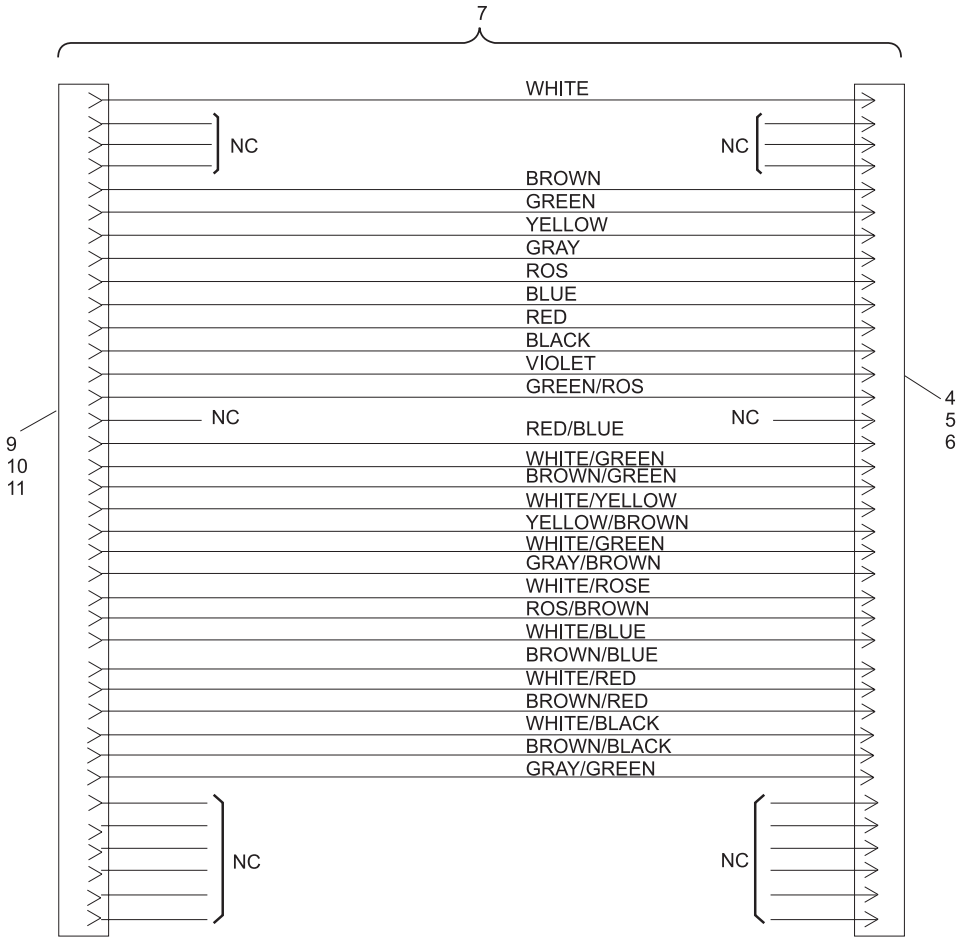
Index No.	Part No.		Description
1.	68-100193-000		Gamesetter Power & Peripheral Control Cable Assembly
2.	11-615080-000	N.A.	Connector
3.	N.A.		Cable Clamp
4.	11-615101-000		Terminal
5.	11-697208-000	N.A.	Connector
6.	11-680322-000	N.A.	Socket Terminal
	57-860042-000	R.O.	Terminal - Female (Pkg. of 20)
7.	47-243069-004		Setting Table Cable Assembly (male and female ends)
8.	11-703529-000	N.A.	Connector
9.	11-615127-000		Cable Clamp
10.	11-615075-000	N.A.	Connector
11.	11-615102-000		Terminal

N.A. = No Longer Available

Gamesetter Power & Peripheral Control and Setting Table Cable Assemblies - Universal Voltage Silver Box



GAMESETTER POWER & PERIPHERAL CONTROL CABLE ASSEMBLY



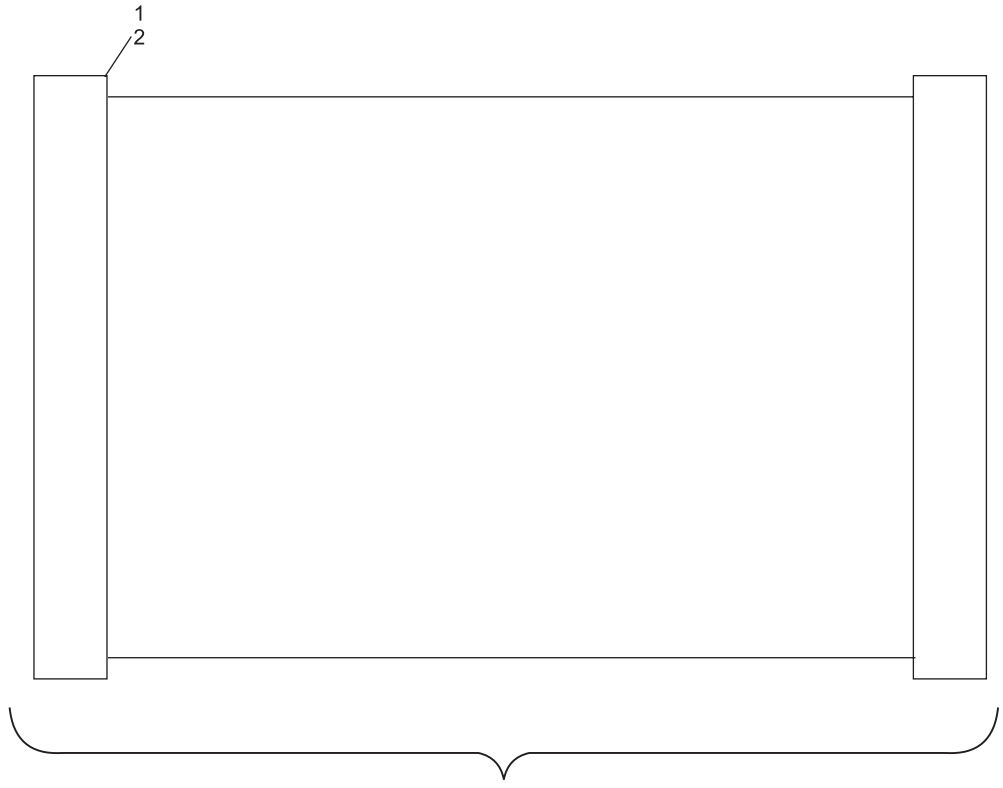
SETTING TABLE CABLE ASSEMBLY

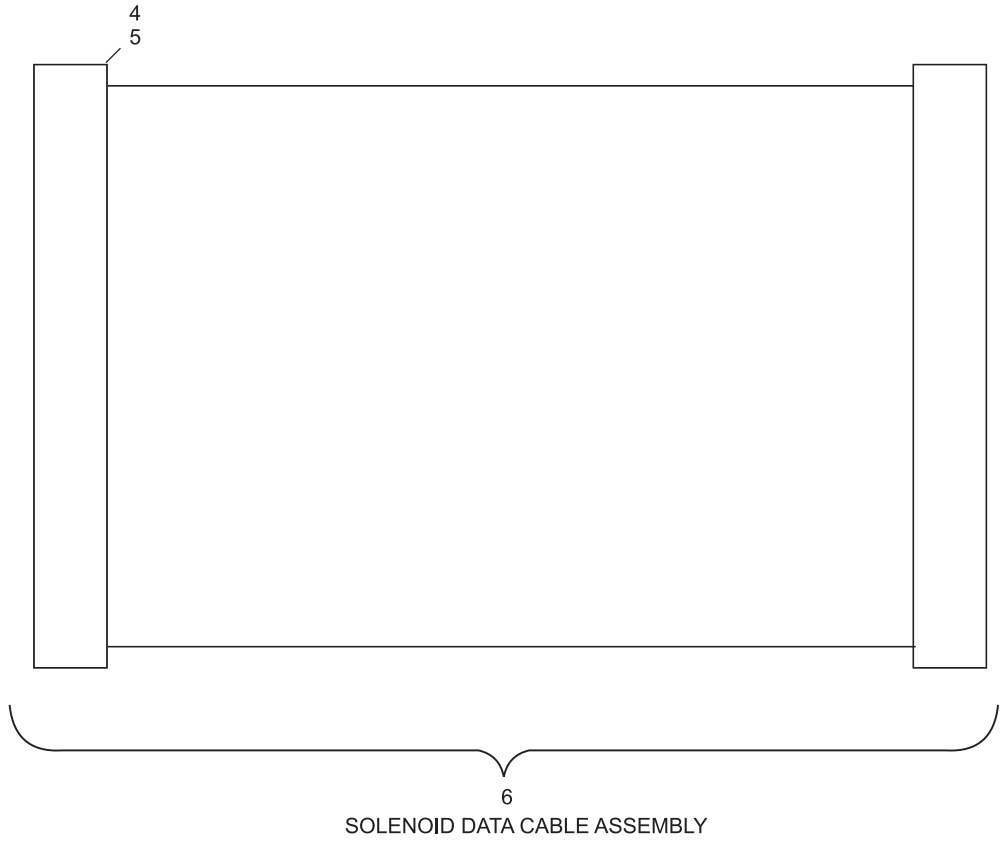
Gamesetter Power & Peripheral Control and Setting Table Cable Assemblies - Universal Voltage Silver Box

Index No.	Part No.		Description
1.	11-697327-000	N.A.	Connector
2.	11-697321-000	N.A.	Connector
3.	68-100044-000	N.A.	Switch Data Cable Assembly (lane 1)
	68-100158-000	N.A.	Switch Data Cable Assembly (lane 2)
4.	N.A.		Connector
5.	N.A.		Connector
6.	68-100046-000		Solenoid Data Cable Assembly (lane 1)
	68-100157-000	N.A.	Solenoid Data Cable Assembly (lane 2)

N.A. = Not Available

Switch Data and Solenoid Data Cable Assemblies - Silver Box and Universal Voltage Silver Box



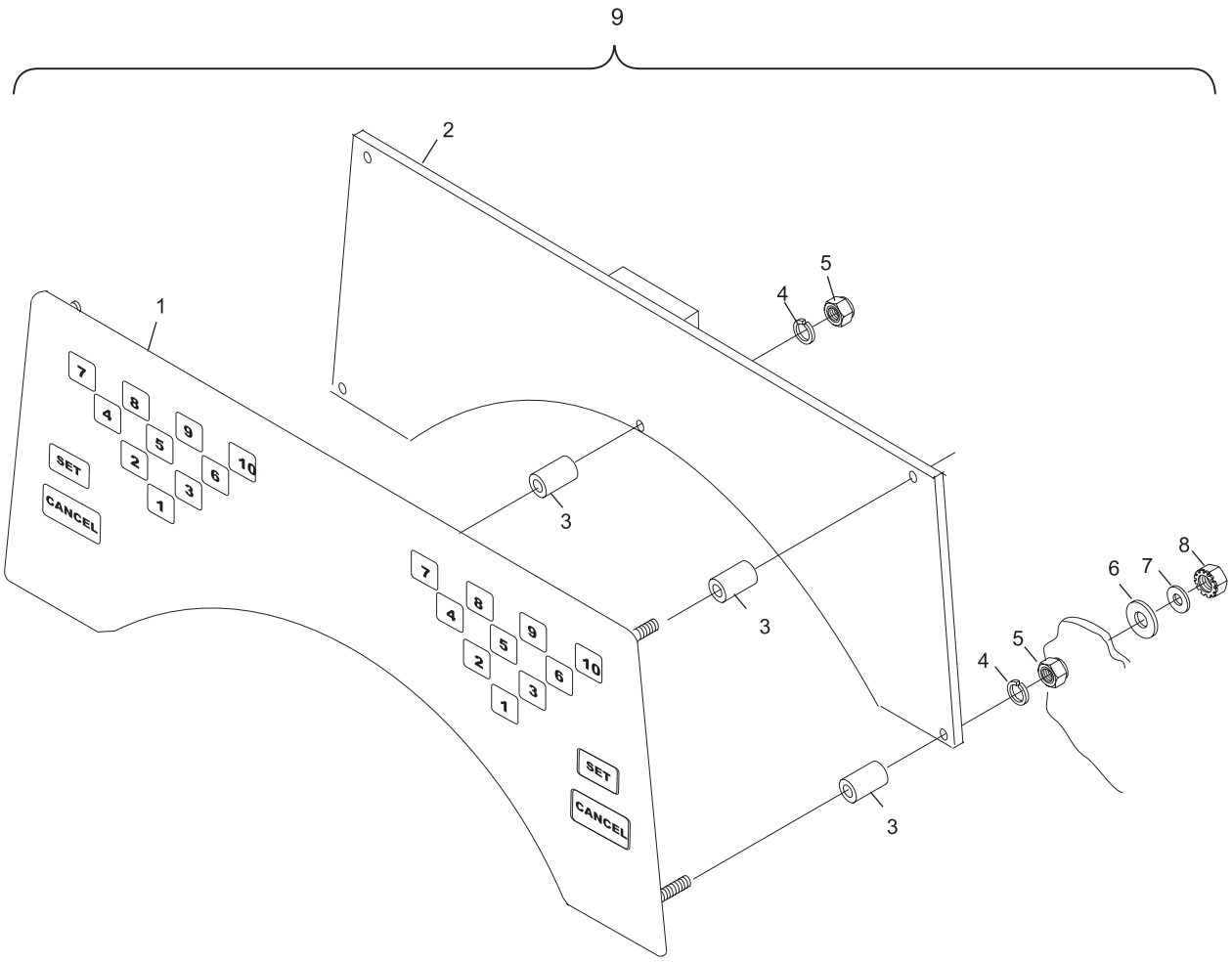


Switch Data and Solenoid Data Cable Assemblies - Silver Box and Universal Voltage Silver Box

Index No.	Part No.		Description
1.	47-862733-000		Butterfly Board Complete (Brunswick Rapid Exchange)
2.	47-862734-000	N.A.	Player Control PCB Pkg. (Brunswick Rapid Exchange)
3.	11-185276-000	N.A.	Round Spacer
4.	11-192011-000		Flat Washer
5.	11-125003-001		Hex Nut
6.	N.A.		Rubber Washer
7.	11-190004-001		Flat Washer
8.	11-176007-001		Keps Nut w/Lockwasher

N.A. = No Longer Available

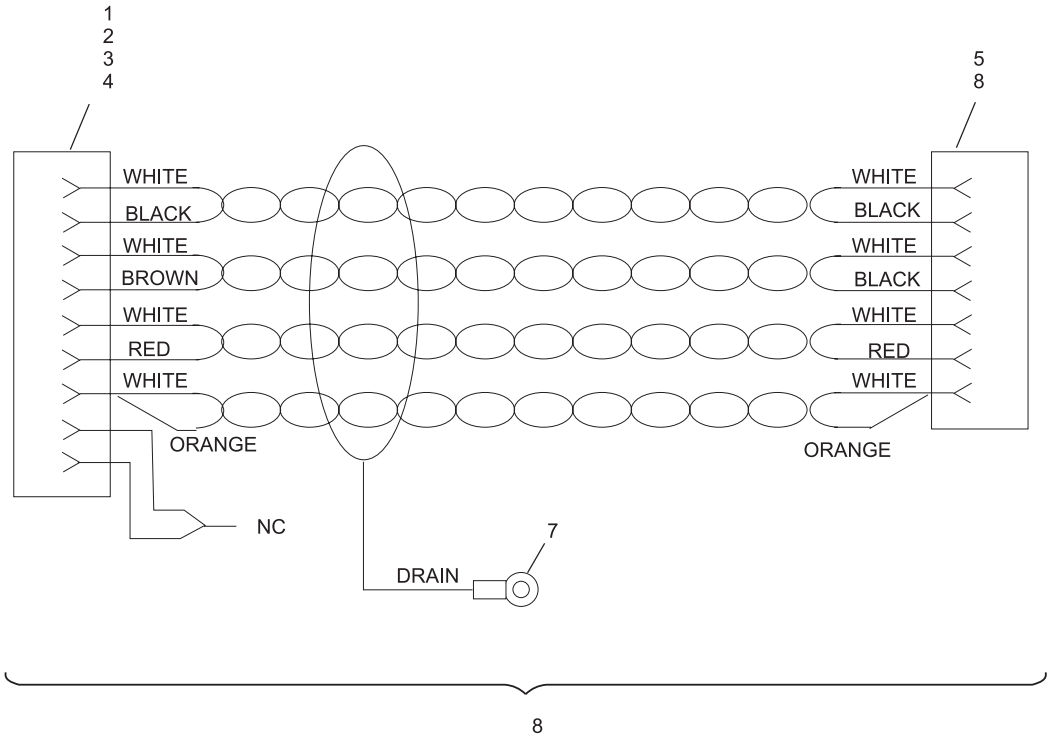
Player Control Station - Silver Box and Universal Voltage Silver Box



Player Control Station - Silver Box and Universal Voltage Silver Box

Index No.	Part No.		Description
1.	11-680985-000	N.A.	Connector
2.	11-680996-000	N.A.	Metal Shield Cover
3.	11-680981-000		Pin
4.	11-680988-000	N.A.	Screw Retainer Kit
5.	11-680326-000		Terminal
6.	11-697611-000		Connector
7.	11-612006-000		Terminal
8.	68-100050-000	N.A.	Player Control Station Cable Assembly
9.	11-680116-000		Connector
10.	11-680302-000	N.A.	Terminal
	57-860032-000	R.O.	Terminal - Male (Pkg. of 10)
11.	11-680117-000		Connector
12.	68-100061-000	N.A.	Ball Lift Control Cable Assembly

Player Control Station and Ball Lift
Control Cable Assemblies - Silver Box and Universal Voltage Silver Box



PLAYER CONTROL STATION CABLE ASSEMBLY

BALL LIFT CONTROL CABLE ASSEMBLY

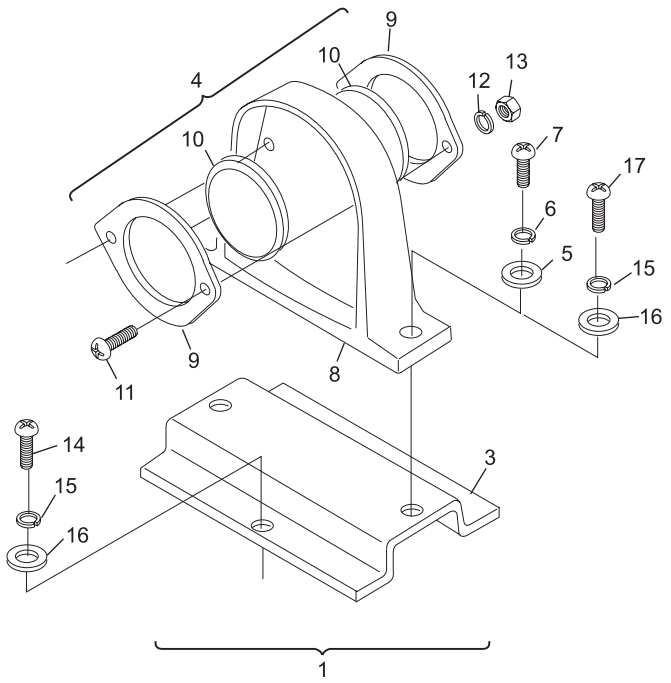
Player Control Station and Ball Lift Control Cable Assemblies - Silver Box and Universal Voltage Silver Box

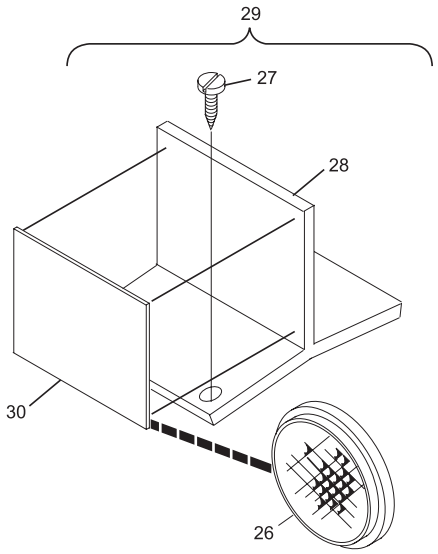
Index No.	Part No.		Description
1.	**57-214920-000	N.A.	Reflector and Bracket Assembly
2.	57-214921-000	N.A.	Ball Detector Assembly
	99-080220-004	N.A.	Ball Detector Assembly
	99-086293-000	N.A.	Pkg. Ball Detect Complete w/Bracket & Hardware
	99-087141-000	R.O.	Pkg. Ball Detect Complete w/Bracket & Hardware
3.	**57-214901-000	N.A.	Bracket
4.	17-600771-000	N.A.	Reflector and Housing Assembly
5.	11-190004-001		Flat Washer (#8)
6.	11-195008-001		Lockwasher (#8)
7.	11-012308-001		Pan Hd. Machine Screw (#8-32 x 3/8”)
8.	**17-600770-000	N.A.	Reflector Housing
9.	17-600773-000	N.A.	Plate
10.	53-600101-000		Reflector
11.	11-013007-001	N.A.	Sltd. Pan Hd. Machine Screw (#4-40 x 9/16”)
12.	11-195004-001	N.A.	Lockwasher (#4)
13.	11-125000-001		Hex Nut (#4)
14.	11-082092-001	N.A.	Self Tapping Screw (#10 x 1/2”)
15.	11-195010-001		Lockwasher (#10)
16.	11-190006-001		Flat Washer (#10)
17.	N.A.		Wood Screw (#10 x 3/4”)
18.	57-214900-000		Mounting Bracket
19.	11-013060-001		Pan Hd. Machine Screw (#8-32 x 1/2”)
20.	11-086307-001		Sltd. Flat Hd. Machine Screw (#4 x 1”)
21.	57-214904-000	N.A.	Photo Cell & Cable Assembly
	99-080194-004	N.A.	Photo Cell & Cable Assembly
	99-086292-000	N.A.	Pkg. Ball Detect Single Unit w/Hardware
	99-087140-000	R.O.	Pkg. Ball Detect Single Unit w/Hardware
22.	99-080186-003		Housing
23.	99-080180-004		Compression Spring
24.	11-680101-000		Connector
25.	11-680302-000	N.A.	Terminal
	57-860032-000	R.O.	Terminal - Male (Pkg. of 10)
26.	47-223102-004	N.A.	Reflector
	47-225846-004	R.O.	Reflector
27.	11-054780-000	N.A.	Slotted Pan Hd. Self Tapping Screw (4.2mm x 16mm)
28.	99-200212-004	N.A.	Reflector Bracket
29.	99-200222-004		Reflector and Bracket Assembly
30.	47-225846-004		Reflector Tape
31.	*57-860507-000		Reflector and hardware Pkg. (includes Index Nos. 1, 3 & 8)

N.A. = No Longer Available
R.O. = Replacement Option

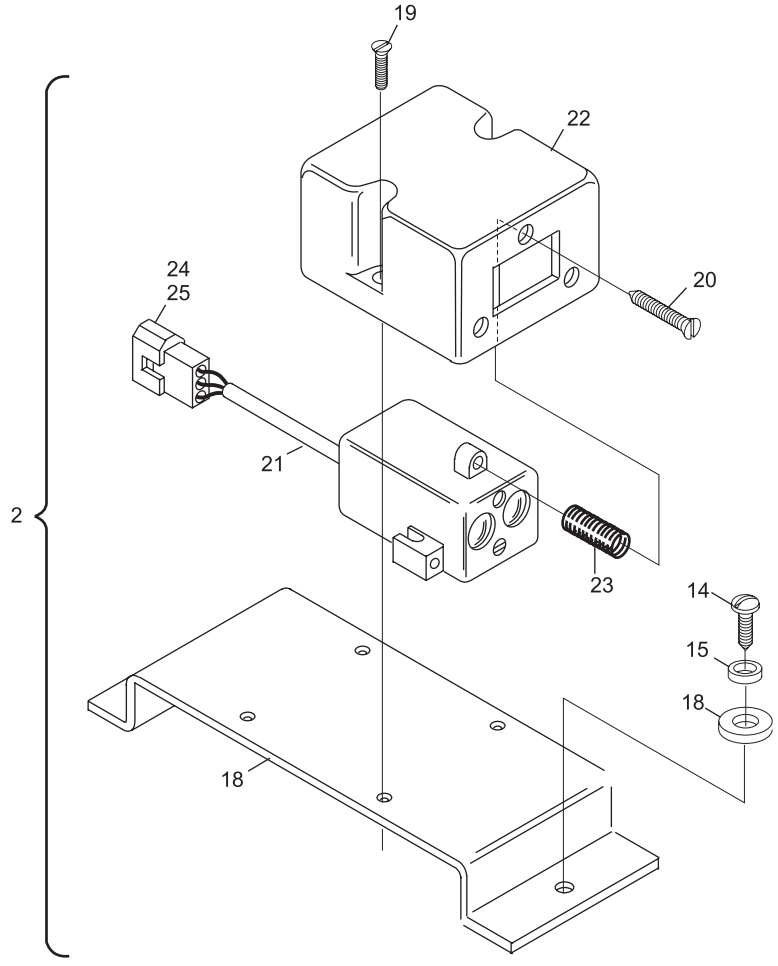
* = Not Illustrated
** Use replacement option 57-860507-000 Reflector and Hardware Pkg. (see index No. 31 for ordering)

Reflector and Ball Detector Assemblies - Silver Box and Universal Voltage Silver Box





FOR UNITS SO EQUIPPED

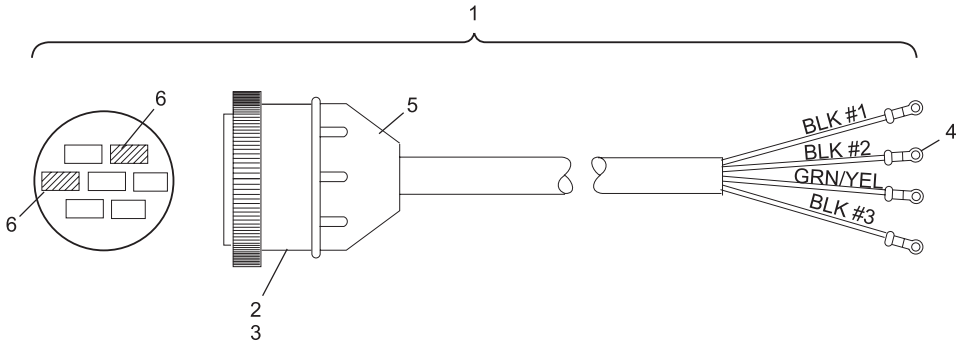


Reflector and Ball Detector Assemblies - Silver Box and Universal Voltage Silver Box

Index No.	Part No.		Description
1.	68-100192-000	N.A.	Ball Accelerator Motor Cable Assembly
2.	11-615079-000	N.A.	Connector
3.	11-612577-000		Terminal
4.	11-612012-000	N.A.	Terminal
5.	11-615127-000		Cable Clamp
6.	11-614452-000	N.A.	Keying Plug
7.	68-100379-000		Table Motor Cable Assembly
8.	68-100380-000		Sweep Motor Cable Assembly
9.	68-100381-000		Elevator Motor Cable Assembly

N.A. = No Longer Available

Ball Accelerator, Table, Sweep and Elevator Motor Cable Assemblies - Universal Voltage Silver Box



BALL ACCELERATOR CABLE ASSEMBLY

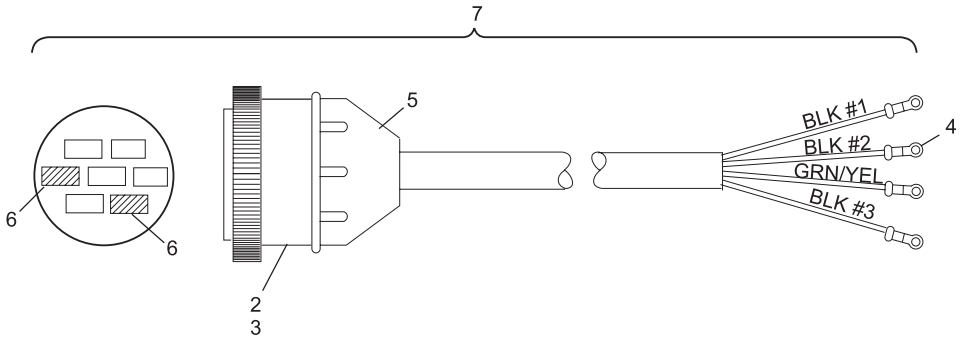
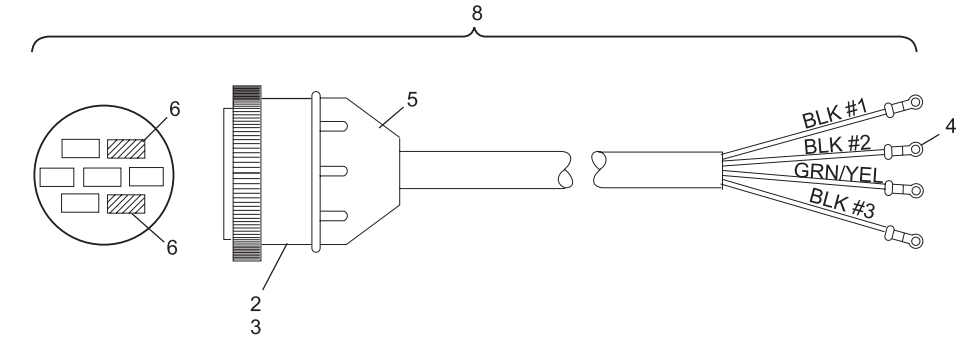
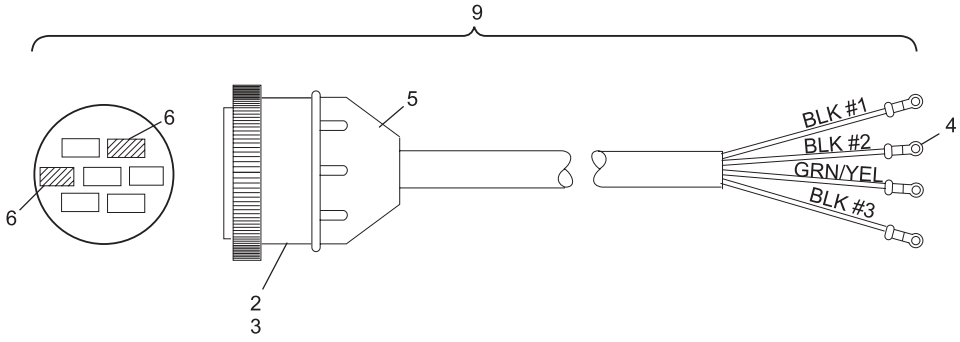


TABLE MOTOR CABLE ASSEMBLY



SWEEP MOTOR CABLE ASSEMBLY



ELEVATOR MOTOR CABLE ASSEMBLY

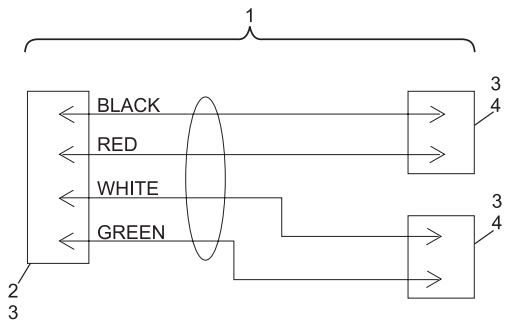
Ball Accelerator, Table, Sweep and Elevator Motor Cable Assemblies - Universal Voltage Silver Box

Index No.	Part No.		Description
1.	N.A.		L.H. Ball Rack Reset Cable Assembly
2.	11-680105-000	N.A.	Connector
3.	11-680302-000	N.A.	Terminal
	57-860032-000	R.O.	Terminal - Male (Pkg. of 10)
4.	11-680116-000		Connector
5.	68-100199-000	N.A.	R.H. Ball Rack Reset Cable Assembly
6.	11-680301-000	N.A.	Terminal
	57-860031-000	R.O.	Terminal - Female (Pkg. of 20)
7.	*N.A.		L.H. High Voltage Box to Common Box
8.	11-680101-000		Connector Plug
9.	68-100383-000		R.H. High Voltage Box to Common Box
10.	68-100387-000		Power Adapter Cable Assembly
11.	11-615081-000	N.A.	Connector
12.	11-612576-000		Terminal
13.	11-615127-000		Cable Clamp
14.	11-680028-000		Connector
15.	11-680027-000		Connector

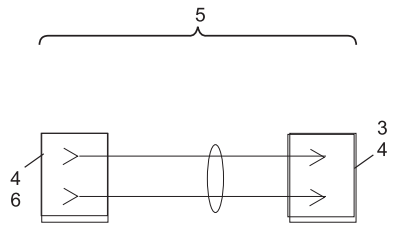
N.A.= No Longer Available

* Not Illustrated

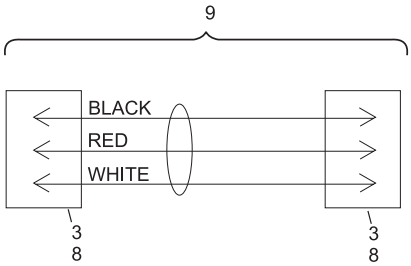
Ball Rack Reset, High Voltage to Common Box and Power Adapter Cable Assemblies - Universal Voltage Silver Box



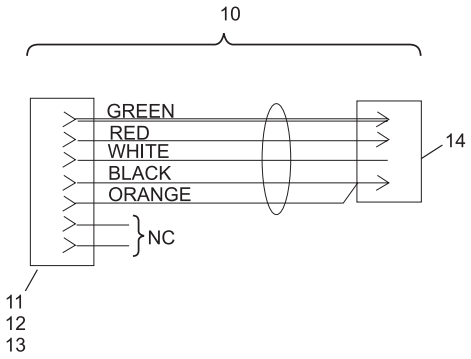
BALL RACK RESET CABLE ASSEMBLY
LEFT MACHINE



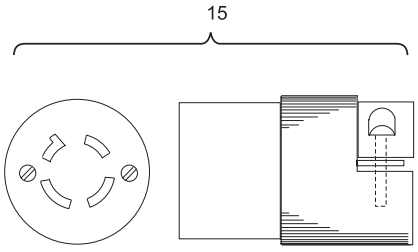
BALL RACK RESET CABLE ASSEMBLY
RIGHT MACHINE



HIGH VOLTAGE TO COMMON BOX CABLE ASSEMBLY
RIGHT HAND AND LEFT HAND MACHINES



POWER ADAPTER CABLE ASSEMBLY



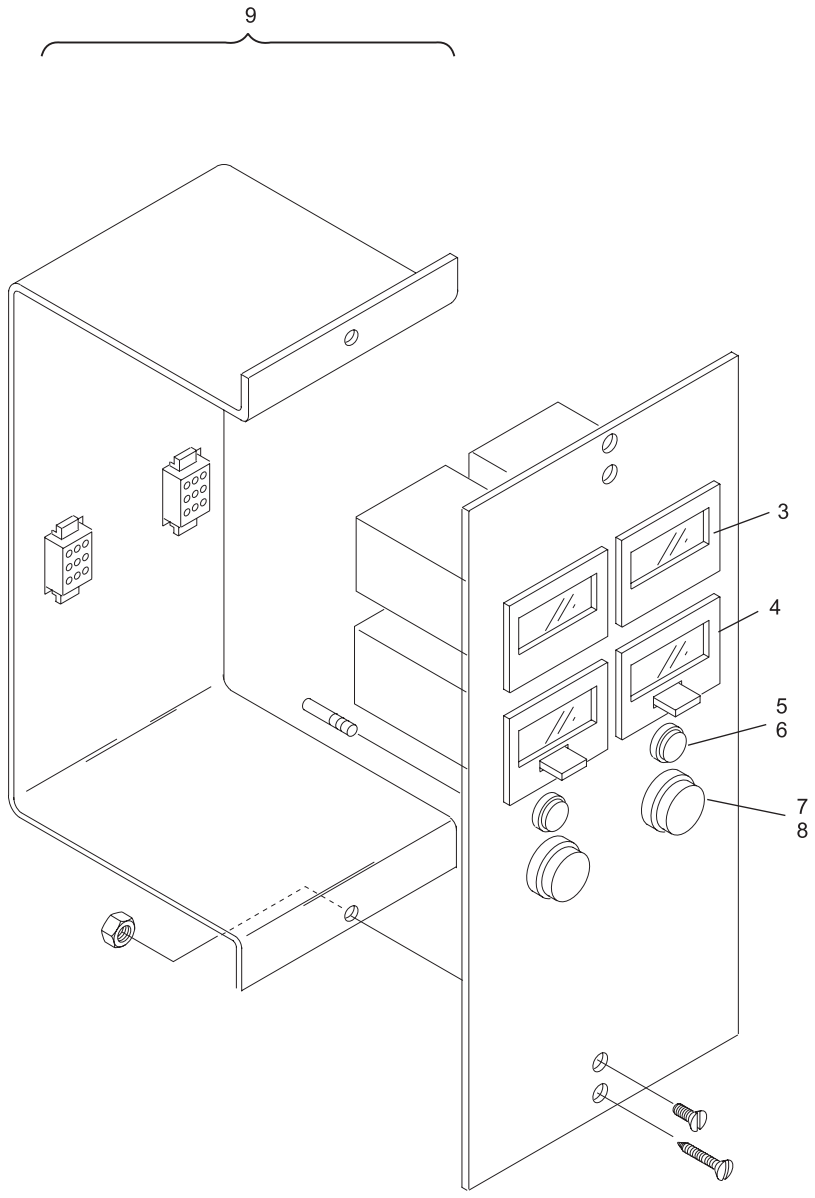
TWIST LOCK CONNECTOR BODY

Ball Rack Reset, High Voltage to Common Box and Power Adapter Cable Assemblies - Universal Voltage Silver Box

Index No.	Part No.		Description
1.	11-680106-000	N.A.	Connector
2.	11-680302-000	N.A.	Terminal
	57-860032-000		R.O. Terminal - Male (Pkg. of 10)
3.	47-223093-000	N.A.	Counter (non-resettable)
4.	47-223094-000		Counter (resettable)
5.	47-223095-000		Failure Lamp Assembly
6.	47-223096-000		Failure Lamp Bulb
7.	47-223097-000		Push Button Assembly w/Lamp
8.	47-223098-000		On-Off Lamp
9.	N.A		Manager's Control Assembly Complete

N.A. = No Longer Available.

Manager's Control Box - Silver Box Electrical and Universal Voltage Silver Box

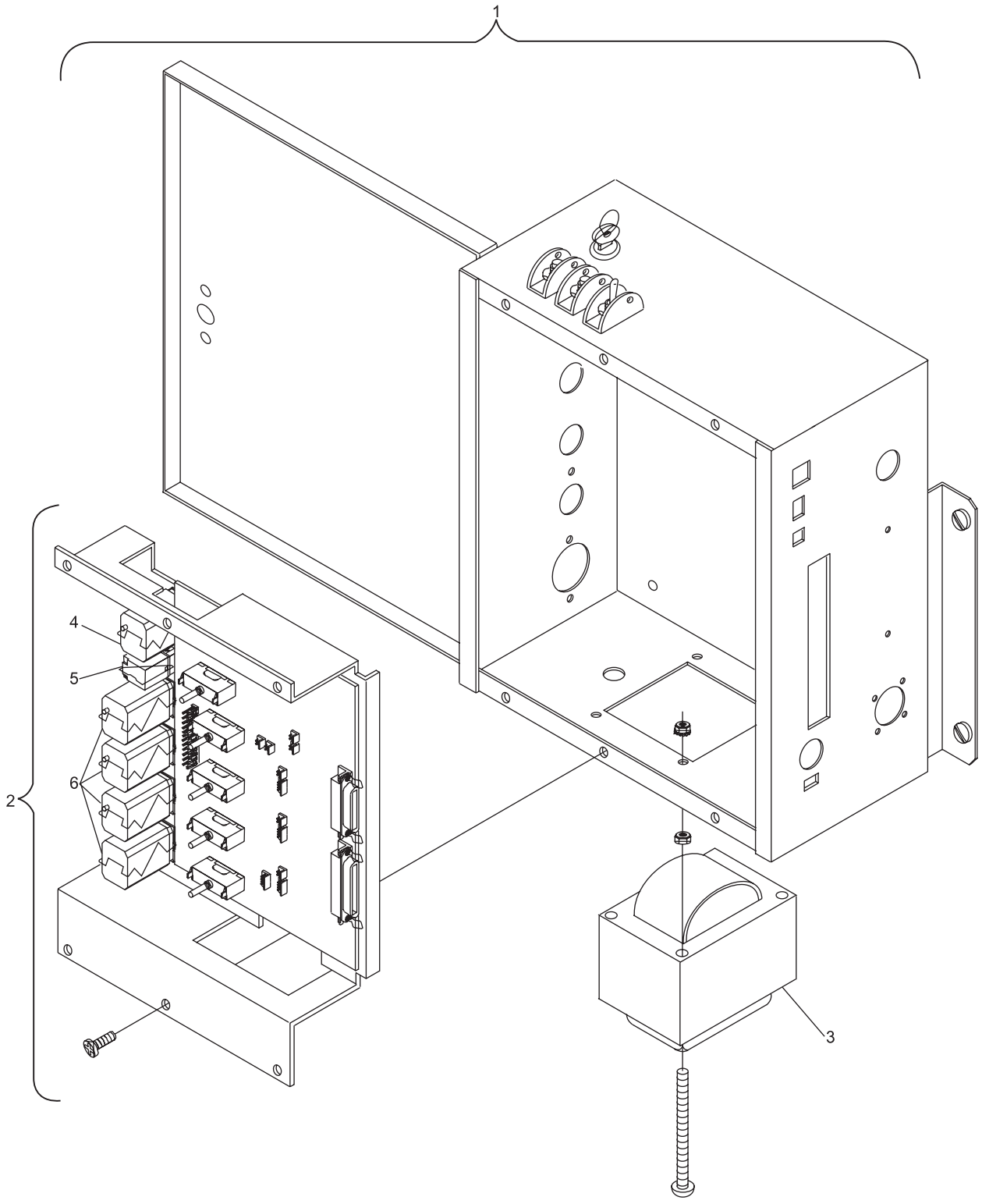


Manager's Control Box -
Silver Box Electrical and Universal Voltage Silver Box

Index No.	Part No.		Description
1.	N.A.		L.H. Side Function Solenoid & Switches Cable Assembly - Universal High Voltage Box Assembly
2.	N.A.		Chassis Assembly
3.	47-162856-000	N.A.	Transformer Assembly
4.	N.A.		Relay Only
5.	N.A.		Relay Only
6.	N.A.		Relay Only

N.A. = No Longer Available

N.A.
High Voltage Box - Silver Box



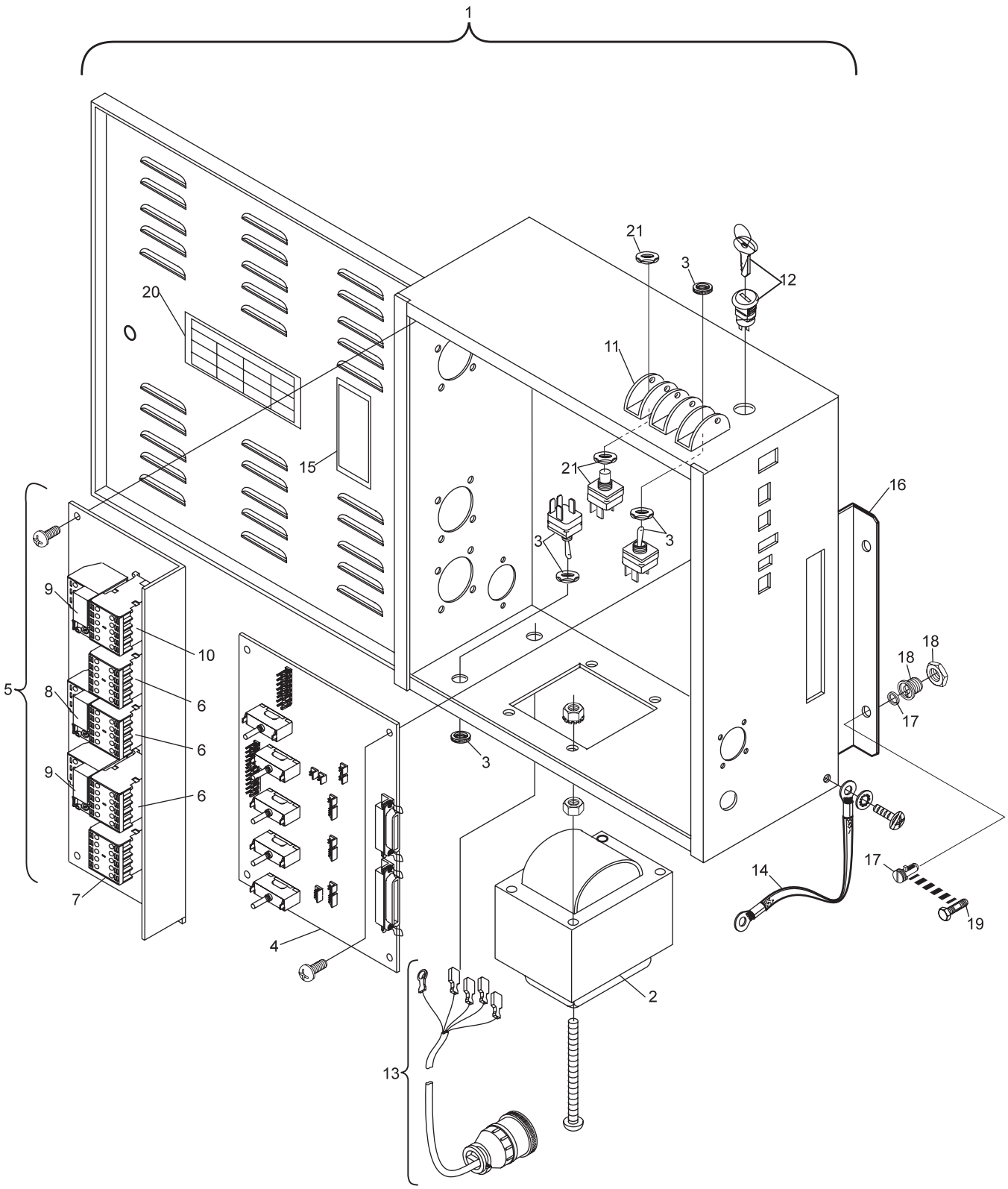
N.A.
High Voltage Box - Silver Box

Index No.	Part No.		Description
1.	47-862712-000	N.A.	High Voltage Box Assembly
2.	47-162939-000		Transformer Assembly
3.	11-615515-000		Toggle Switch
4.	47-862502-000	N.A.	PCB Assembly - ***Note:*** *Electronic Repair Center services this item as part number 47-162839-800.*
5.	47-162942-000	N.A.	Power Panel Assembly
6.	11-671513-000		Contactor
7.	11-671514-000		Relay Contactor
8.	11-671531-000	N.A.	Relay
	11-671003-000	R.O.	Overload Relay
9.	11-671532-000	N.A.	Relay
10.	11-671521-000	N.A.	Relay Contactor
11.	12-502527-000	N.A.	Switch Guard
12.	47-162821-000	N.A.	Keyswitch Assembly
13.	47-162937-000	N.A.	Power Cord Assembly
14.	68-100273-000		Ground Cable Assembly
15.	N.A.		Label “Copyright”
16.	47-162514-000	N.A.	Mounting Bracket
17.	11-601800-000	N.A.	Quick Lock Stud w/Locking Ring
18.	11-601850-000	N.A.	Quick Lock Receptacle w/Locknut
19.	*N.A.		Hex Head Flange Bolt w/Nylon Patch
20.	47-162600-000	N.A.	Label “Overload Breaker Adjustment”
21.	11-615013-000		Momentary Switch

N.A. = No Longer Available
R.O. = Replacement Option

* Replaces index nos. #18 and #17.

High Voltage Box - Universal Voltage Silver Box



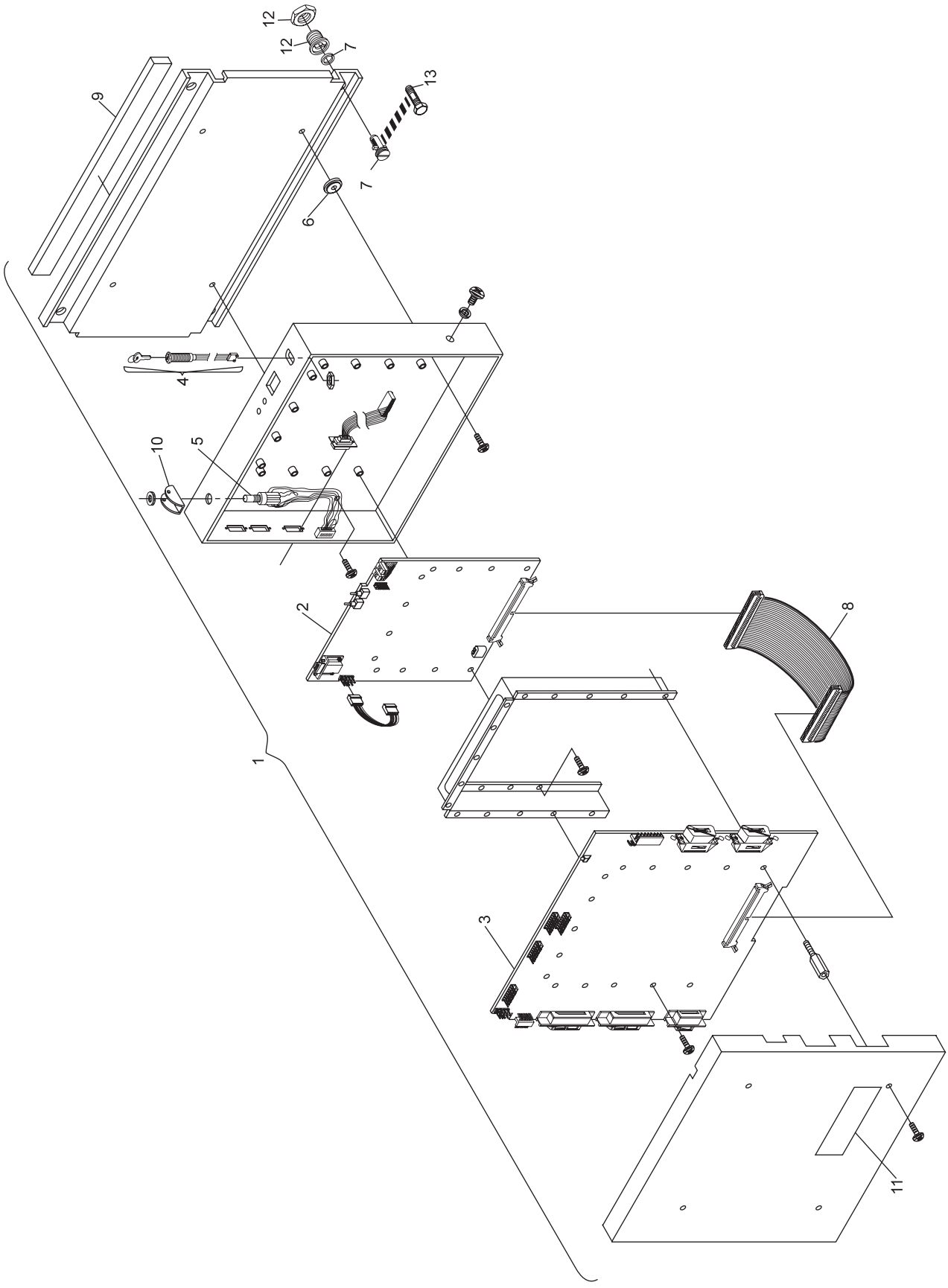
High Voltage Box - Universal Voltage Silver Box

Index No.	Part No.		Description
1.	47-862711-401	N.A.	Gamesetter Box Assembly Complete w/Smart Shark
	47-862708-402	N.A.	Gamesetter Box Assembly
2.	*N./A.		Smart Shark CPU PCB Assembly (Brunswick Rapid Exchange)
	47-862782-402	N.A.	Silver Box CPU PCB Assembly (Brunswick Rapid Exchange)
3.	47-862801-000	N.A.	I/O PCB Assembly - Universal Voltage Silver Box
	47-862785-000		I/O PCB Assembly - Silver Box
4.	47-142833-000	N.A.	Keyswitch Assembly
	47-862503-000	R.O.	Key Switch Assembly
5.	47-142830-000	N.A.	Switch Assembly
6.	11-652052-000	N.A.	Rubber Washer (3/16)
7.	11-601800-000	N.A.	Quick Lock Stud w/Locking Ring
8.	47-142832-000	N.A.	Ribbon Cable Assembly
9.	11-679604-000	N.A.	Vibration Insulator
10.	12-502527-000	N.A.	Switch Guard
11.	N.A.		Label “Software Revision”
12.	11-601850-000	N.A.	Quick Lock Receptacle w/Locknut
13.	**N.A.		Hex Head Flange Bolt w/nylon Patch

N.A. = No Longer Available
R.O. = Replacement Option

* Remove EPROM and Replace with Existing Software If Not Smart Shark.
** Replaces index nos. 7 and 12.

Gamesetter Box - Silver Box and Universal Voltage Silver Box

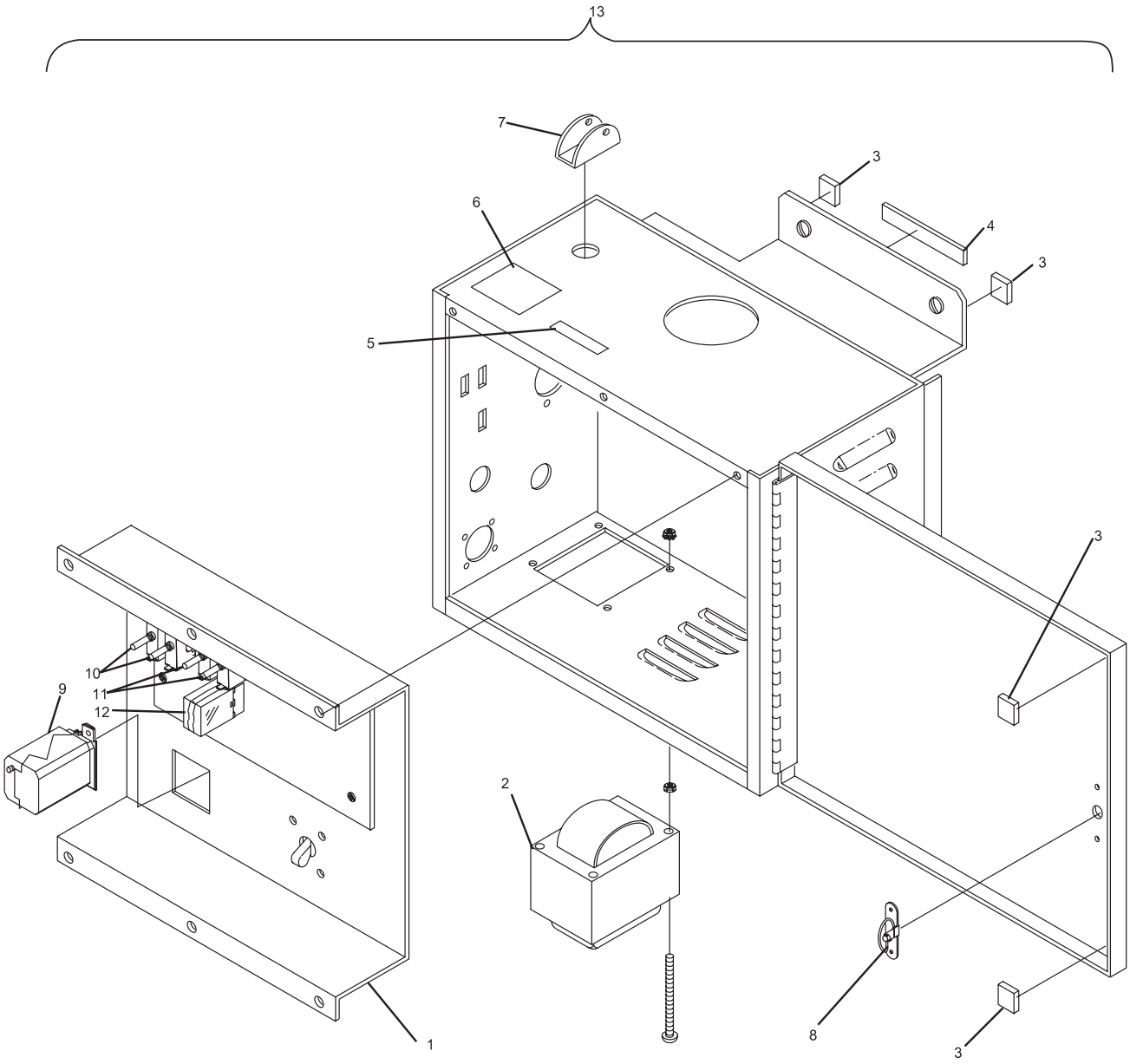


Gamesetter Box - Silver Box and Universal Voltage Silver Box

Index No.	Part No.		Description
1.	N.A.		Chassis Assembly
2.	47-172844-000	N.A.	Transformer Assembly
3.	N.A.		Vibration Insulator
4.	11-679603-000	N.A.	Vibration Insulator
5.	10-900901-000	N.A.	Label “Patent Pending”
6.	47-172523-000	N.A.	Label “Serial Number”
7.	12-502527-000	N.A.	Switch Guard
8.	57-214276-007		Fastener
9.	11-696609-000		Push Button Relay (24V)
10.	11-696630-000	N.A.	Circuit Breaker
11.	11-696628-000		Circuit Breaker
12.	11-696610-000	N.A.	Relay
13.	47-862707-000	N.A.	Common Box Assembly (Brunswick Rapid Exchange)

N.A.= No Longer Available

Common Box - Silver Box

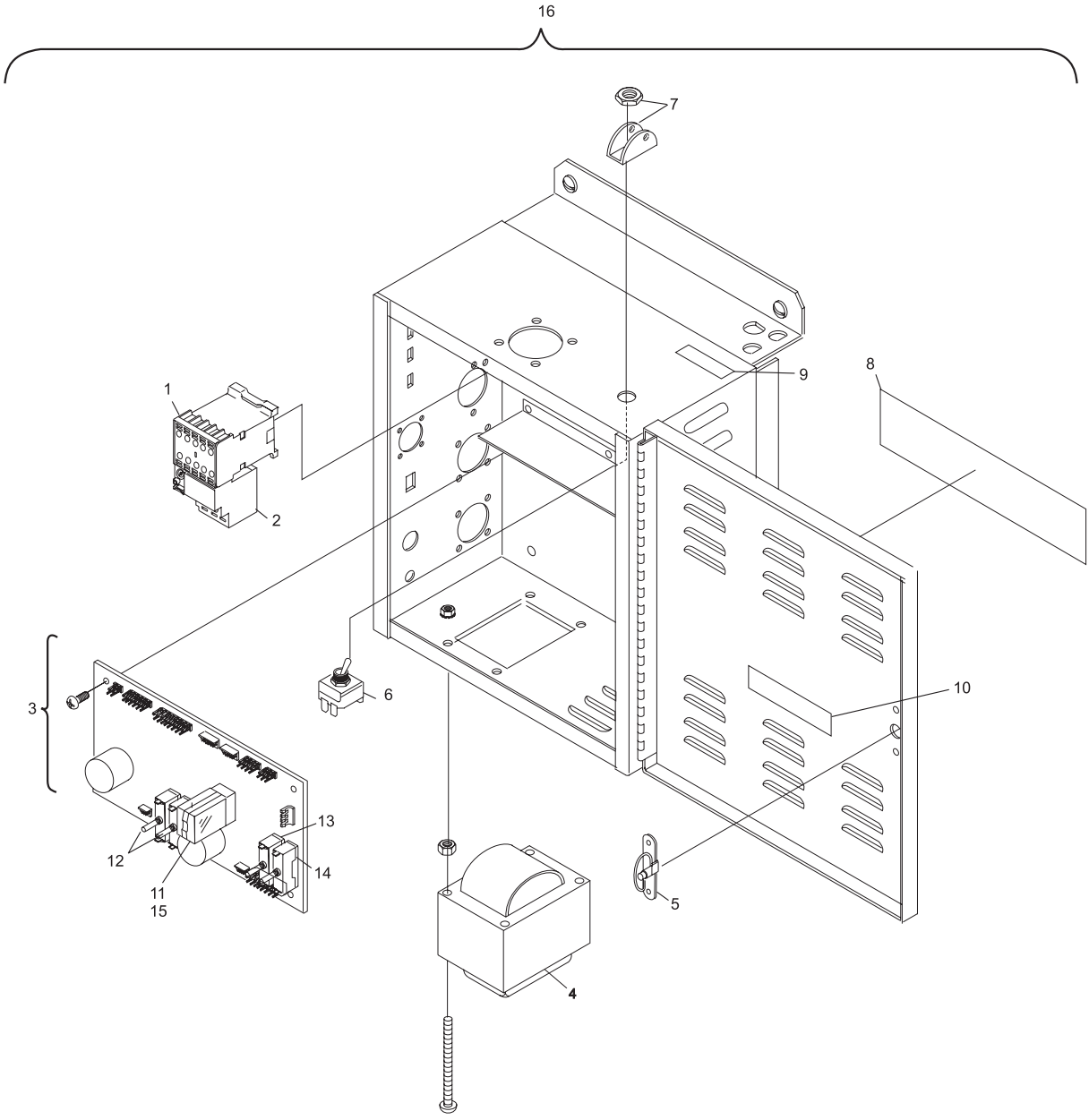


Common Box - Silver Box

Index No.	Part No.		Description
1.	11-671513-000		Contactor
2.	11-671532-000	N.A.	Relay
	11-671002-000	R.O.	Overload Relay
3.	47-862783-000		PCB Assembly
4.	47-172912-000		Transformer Assembly
5.	57-214276-007		Spring Latch
6.	11-615510-000	N.A.	Toggle Switch
7.	12-502527-000	N.A.	Switch Guard
8.	N.A.		Label “Model GS-10”
9.	N.A.		Label “U.L.”
10.	N.A.		Label “Overload Breaker Adjustment”
11.	11-696610-000	N.A.	Relay
12.	11-696628-000		Circuit Breaker
13.	11-696630-000	N.A.	Circuit Breaker
14.	11-696626-000	N.A.	Circuit Breaker
15.	11-696678-000	N.A.	Relay Mounting Clip
16.	47-862745-000	N.A.	Common Box Assembly (Brunswick Rapid Exchange)

N.A. = No Longer Available
R.O. = Replacement Option

Common Box - Universal Voltage Silver Box



Common Box - Universal Voltage Silver Box

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Section L

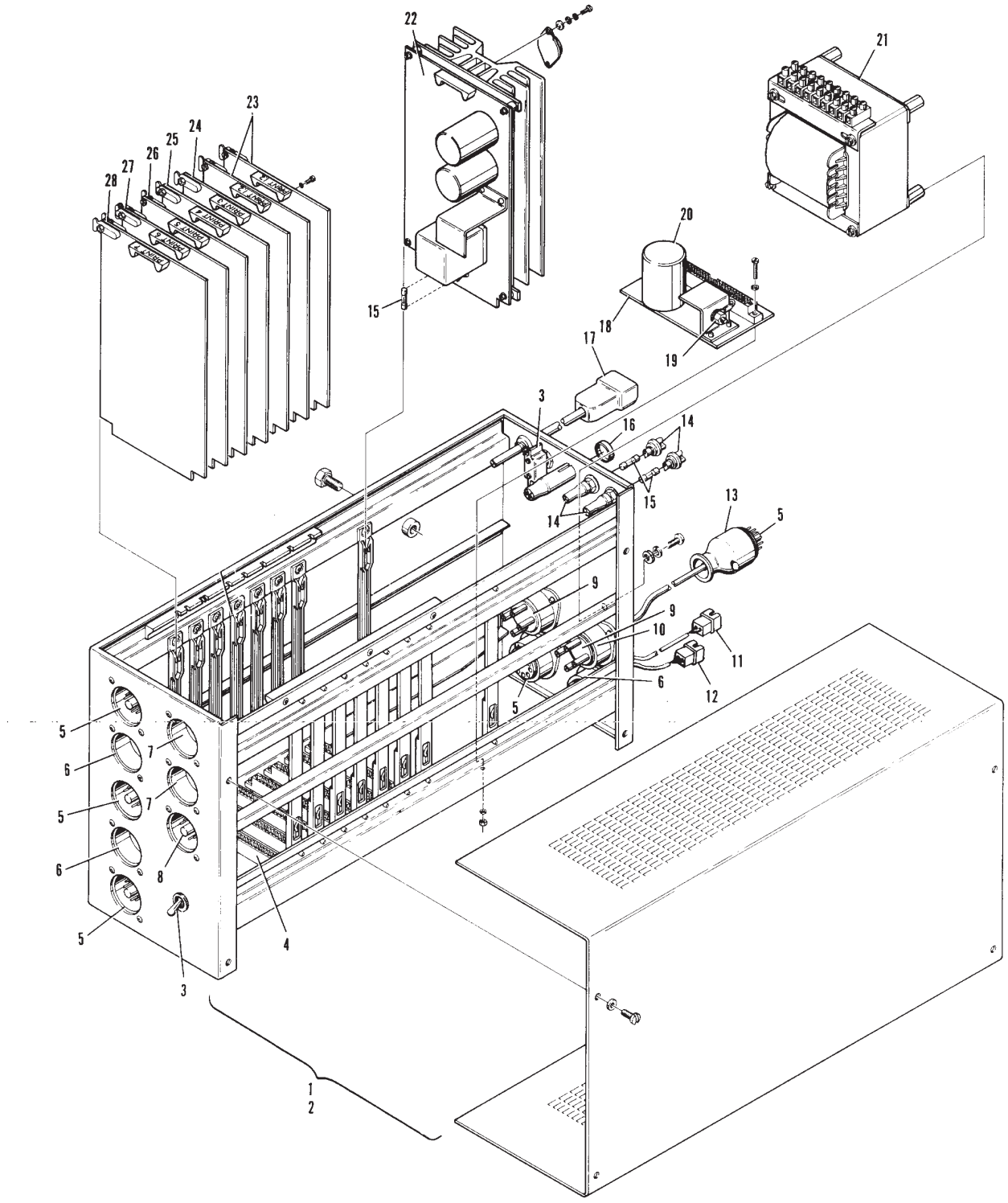
RED BOX ELECTRICAL

Index No.	Part No.		Description
1.	*47-200471-002	N.A.	Low Voltage Box Assembly Complete
2.	*47-203137-000	N.A.	Low Voltage Box Assembly w/o PCBs
3.	N.A.		Toggle Switch
4.	N.A.		PCB Socket
5.	47-223105-000	N.A.	Amphenol Plug (11 position)
6.	N.A.		Amphenol Socket (11 position)
7.	47-203139-000	N.A.	Amphenol Socket (6 position)
8.	47-213135-000	N.A.	Amphenol Plug (8 position)
9.	N.A.		Amphenol Plug (4 position)
10.	N.A.		Amphenol Plug Support
11.	N.A.		Amphenol Receptacle w/Contacts for B-2000
12.	47-242940-003	N.A.	Cable w/Molex Socket
13.	47-223108-000	N.A.	Amphenol Cap
14.	N.A.		Fuse Holder
15.	47-203141-000	N.A.	Fuse
16.	N.A.		Signal Lamp
17.	N.A.		Line Plug
18.	47-203005-003	N.A.	PCB Number 9 Assembly
19.	N.A.		Diode
20.	N.A.		Capacitor
21.	46-200582-004	N.A.	Transformer
22.	45-200107-004		PCB number 8 (power supply)
23.	47-200431-002	N.A.	PCB numbers 1 & 2
24.	47-200432-002		PCB number 3
25.	47-200433-002	N.A.	PCB number 4
26.	47-200434-002		PCB number 5
27.	47-200435-002		PCB number 6
28.	47-200436-002		PCB number 7

N.A. = No Longer Available

* With cables for B-2000 and AS-80, Position 7.

Low Voltage Electrical Box

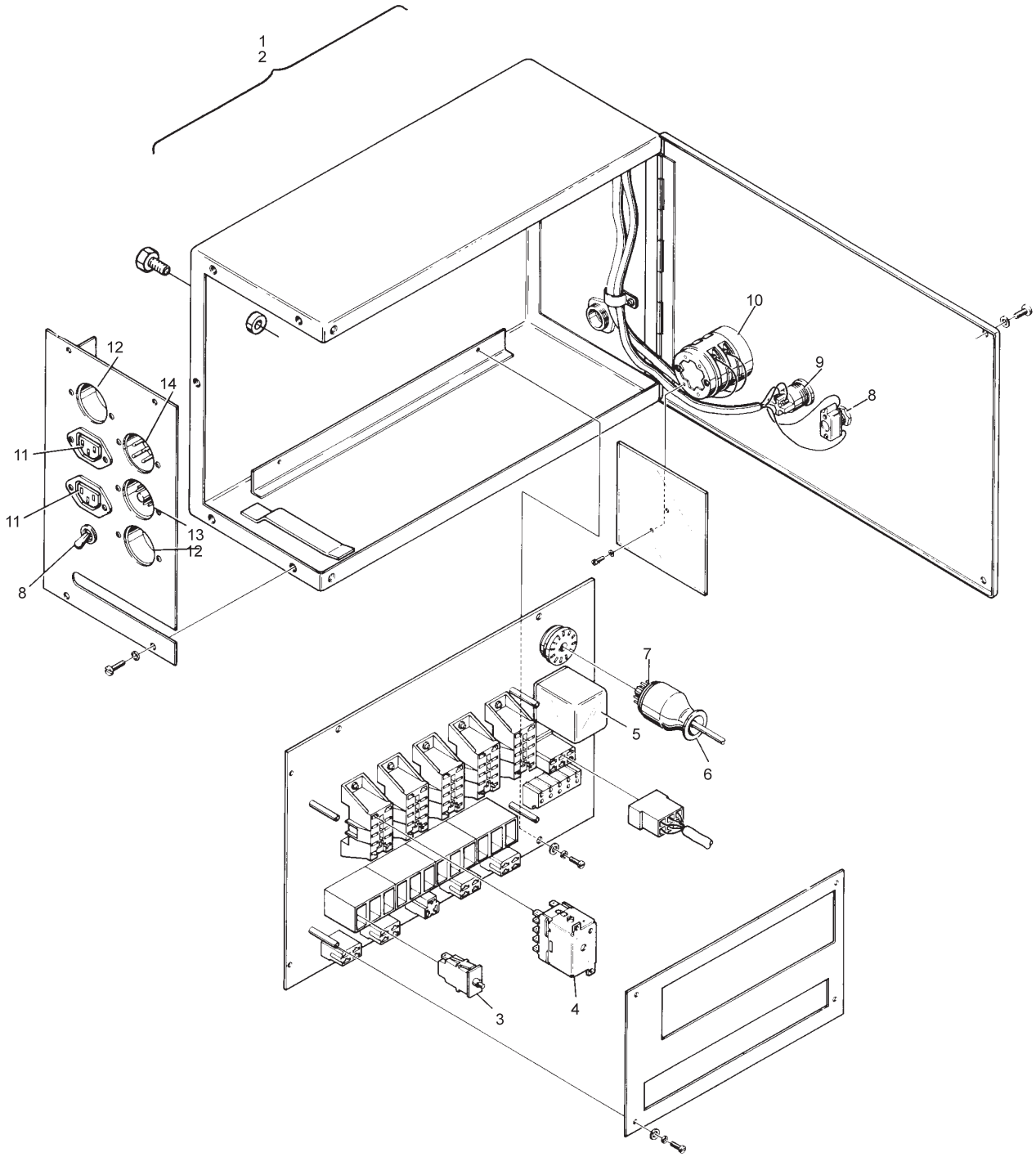


Low Voltage Electrical Box

Index No.	Part No.		Description
1.	47-210475-002	N.A.	High Voltage Box Assembly Complete (380V)
2.	47-213122-000	N.A.	High Voltage Box Assembly Complete (220V)
3.	47-213123-000	N.A.	Overload Breaker (1.0 Amp)
	47-213124-000	N.A.	Overload Breaker (1.5 Amp)
	47-213125-000	N.A.	Overload Breaker (1.8 Amp)
	47-213126-000	N.A.	Overload Breaker (2.0 Amp)
	47-213127-000	N.A.	Overload Breaker (2.5 Amp)
	47-213128-000	N.A.	Overload Breaker (3.5 Amp)
4.	47-213129-000	N.A.	Contactor
5.	47-213130-000	S.O.	Relay
6.	47-223108-000	N.A.	Amphenol Cap
7.	47-223105-000	N.A.	Connector
8.	N.A.		Toggle Switch
9.	47-213132-000	N.A.	Push Button
10.	47-213133-000	N.A.	Main Switch
11.	N.A.		Line Socket
12.	N.A.		Connector
13.	N.A.		Connector
14.	N.A.		Connector

N.A. = No Longer Available
S.O. = Special Order

High Voltage Electrical Box

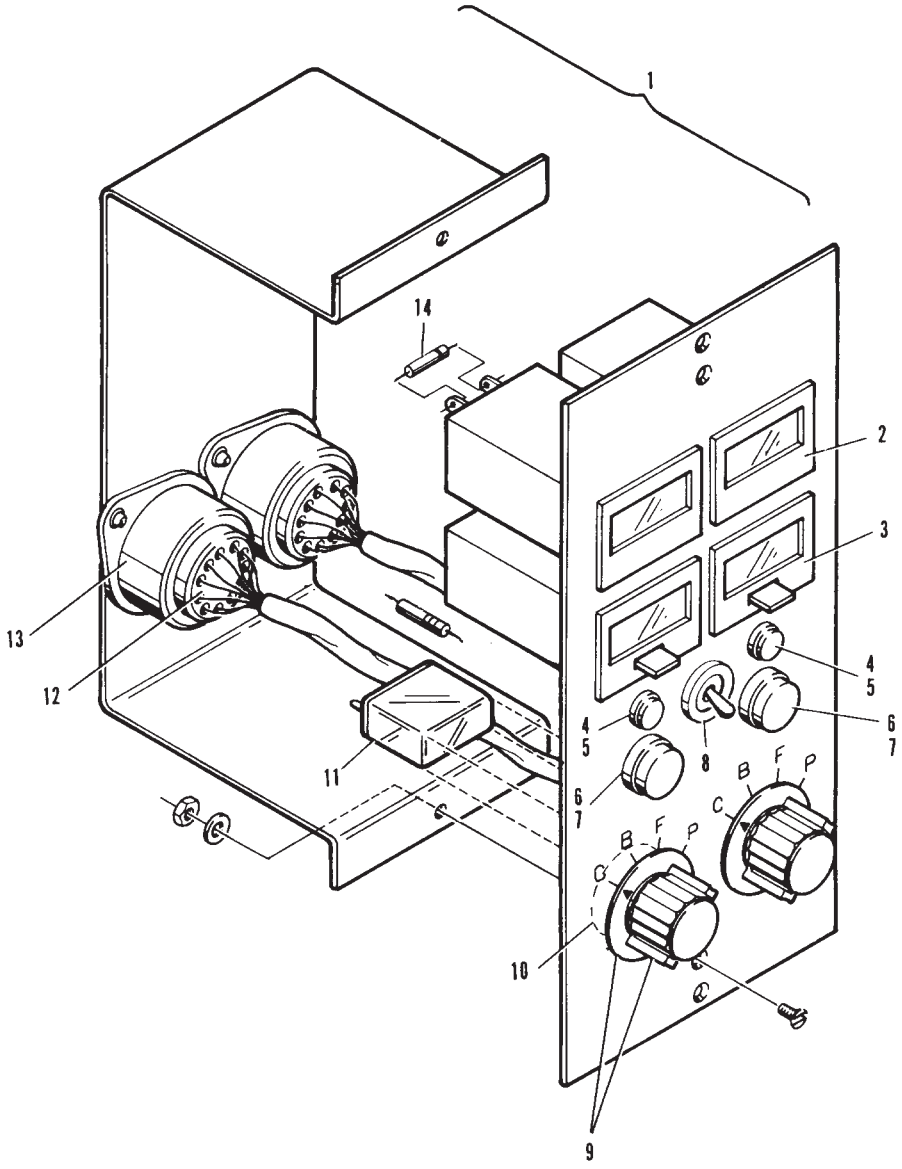


High Voltage Electrical Box

Index No.	Part No.		Description
1.	N.A.		Manager's Control Assembly Complete
2.	47-223093-000	N.A.	Counter (non-resettable)
3.	47-223094-000		Counter (resettable)
4.	47-223095-000		Failure Lamp Assembly with Bulb
5.	47-223096-000		Failure Lamp Bulb
6.	47-223097-000		Push Button Assembly with Lamp
7.	47-223098-000		On-Off Lamp
8.	N.A.		Toggle Switch
9.	47-223100-000	N.A.	Switch Knob Assembly
10.	47-223103-000	N.A.	Rotary Switch
11.	47-223104-000	N.A.	Relay
12.	47-223105-000		Connector
13.	N.A.		Plug Support
14.	47-223106-000	N.A.	Diode

N.A. = No Longer Available

Manager's Control
Red Box Electrical

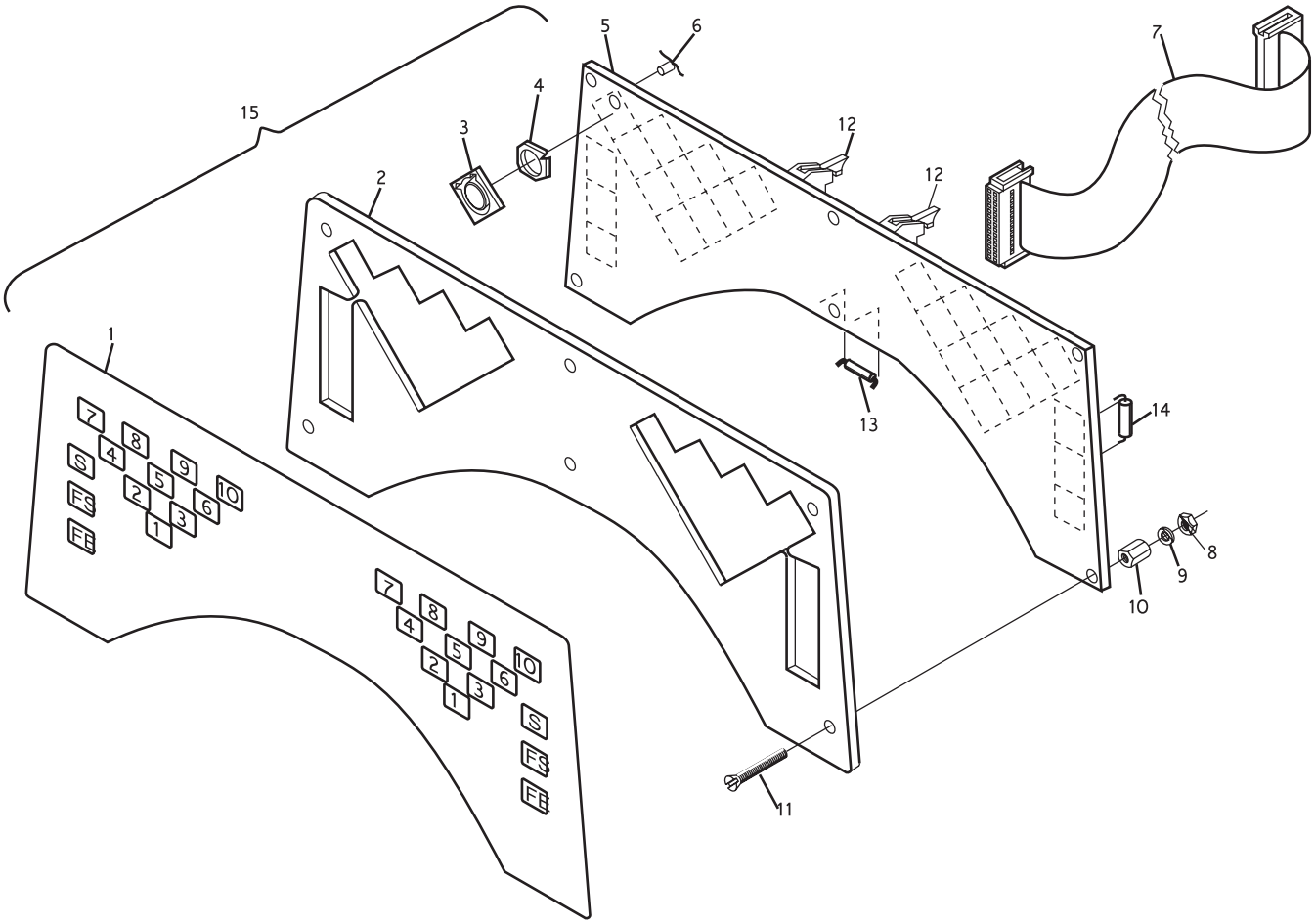


Manager's Control
Red Box Electrical

Index No.	Part No.		Description
1.	47-223049-001		Screening Foil
2.	47-223048-001	N.A.	Spacer Plate
3.	47-223113-000		Key
4.	47-223114-000	N.A.	Switch
5.	47-223046-002	N.A.	Printed Circuit Board Assembly
6.	47-223115-000	N.A.	LED
7.	47-223064-004		Ribbon Cable Assembly
8.	11-051746-001		Locknut (3 mm)
9.	11-052055-001	N.A.	Flat Washer (3.2 mm)
	47-861013-001	R.O.	Flat Washer (3.2 mm) Pkg. of 20
10.	47-223118-000	N.A.	Spacing Bolt (3 mm x 8 mm)
11.	11-052457-001	N.A.	Sltd. Flat Hd. Machine Screw (3 mm x 30 mm)
	47-861019-001	R.O.	Sltd. Flat Hd. Machine Screw (3 mm x 30 mm) Pkg. of 20
12.	N.A.		Connector
13.	47-223121-000	N.A.	Resistor
14.	47-223106-000	N.A.	Diode
15.	47-223050-002	N.A.	Player Control Board Complete

N.A. = No Longer Available
R.O. = Replacement Option

Player Control Unit

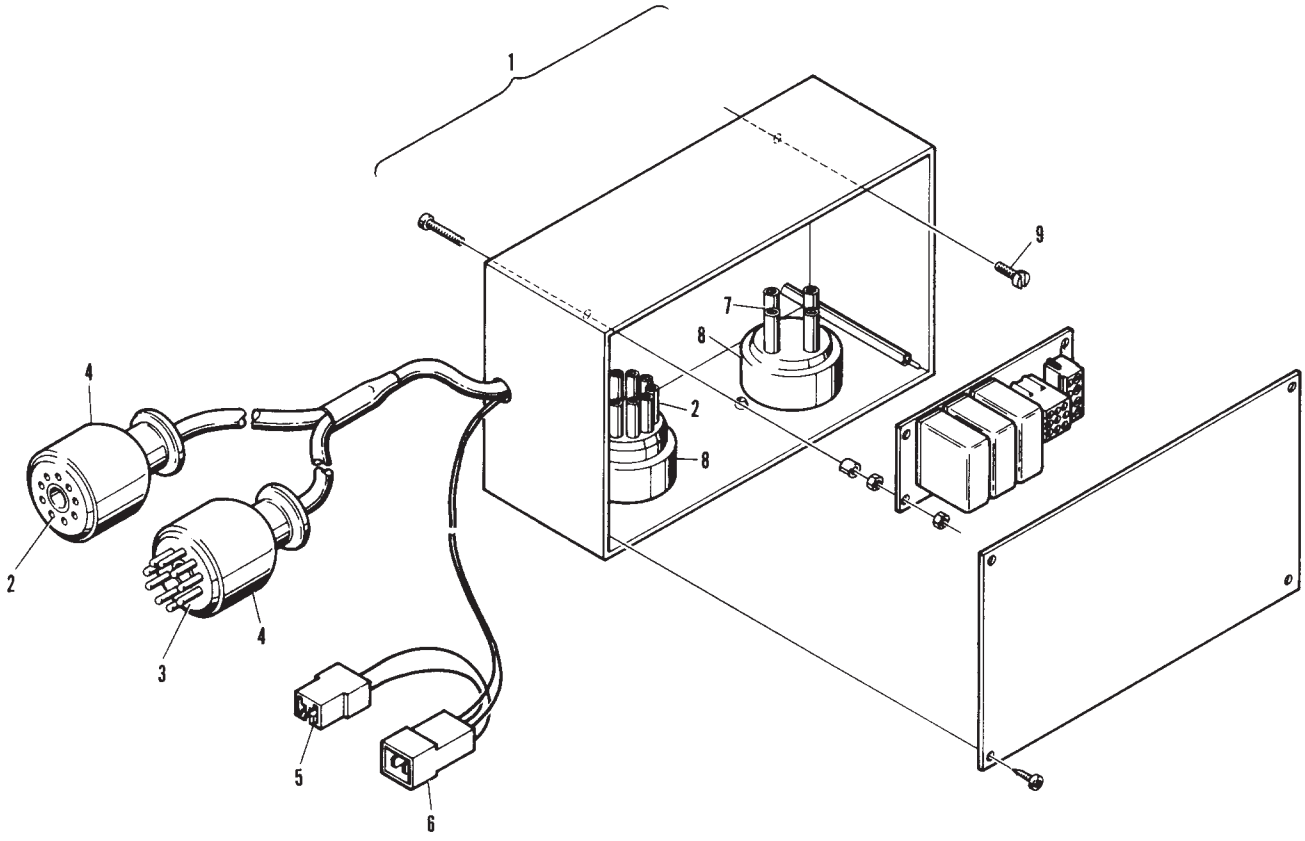


Player Control Unit

Index No.	Part No.		Description
1.	47-223004-004	N.A.	Player Control Box Assembly Complete
2.	N.A.		Connector
3.	47-223105-000	N.A.	Connector
4.	47-223108-000	N.A.	Amphenol Cap
5.	N.A.		Connector
6.	N.A.		Connector
7.	N.A.		Connector
8.	N.A.		Plug Support
9.	N.A.		Self-Tapping Screw (3.5 mm x 9.5 mm)

N.A. = No Longer Available

N.A.
Player Control Connector Box

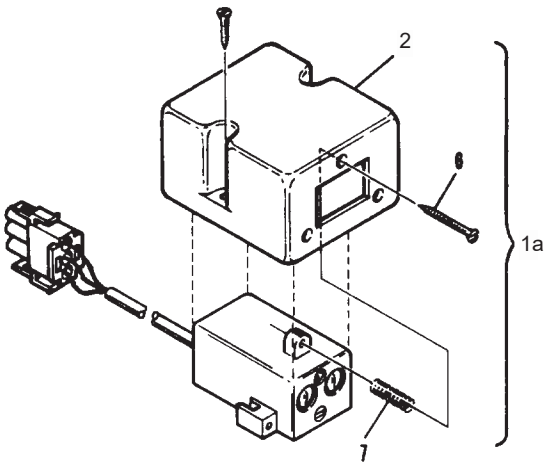


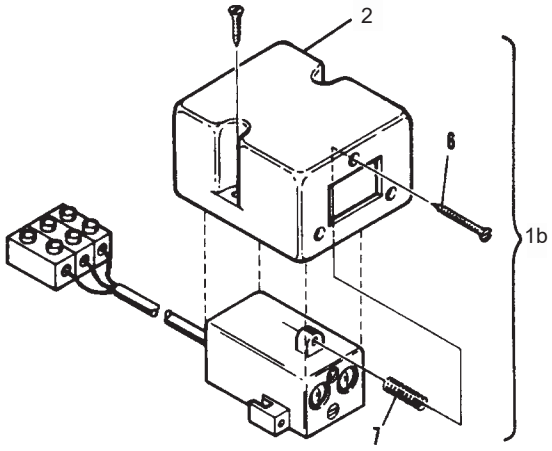
N.A.
Player Control Connector Box

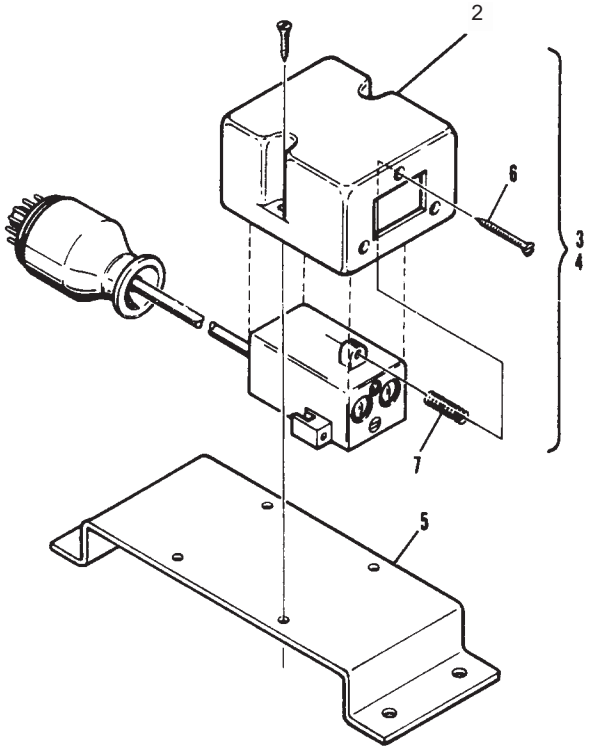
Index No.	Part No.		Description
1a.	99-080224-004	N.A.	Foul Photocell 0.3m Cable (with AS-80)
1b.	99-080243-004	N.A.	Replacement Kit for Trigger & Foul Photocell 0.12m Cable (with or without AS-80)
	99-086292-000	R.O.	Pkg. Ball Detect Single Unit w/Hardware
2.	99-080186-003		Housing
3.	99-080215-004	N.A.	Trigger Photocell 3.6m cable (with or with o AS-80)
	57-214904-000	R.O.	Photocell and Cable Assembly
4.	99-080216-004	N.A.	Foul Photocell 22m Cable (without AS-80)
5.	N.A.		Support Bracket
6.	N.A.		Flat Hd. Self Tapping Screw (2.9 mm x 25 mm)
7.	99-080180-004		Compression Spring

N.A. = No Longer Available
R.O. = Replacement Option

Foul and Trigger Photocells



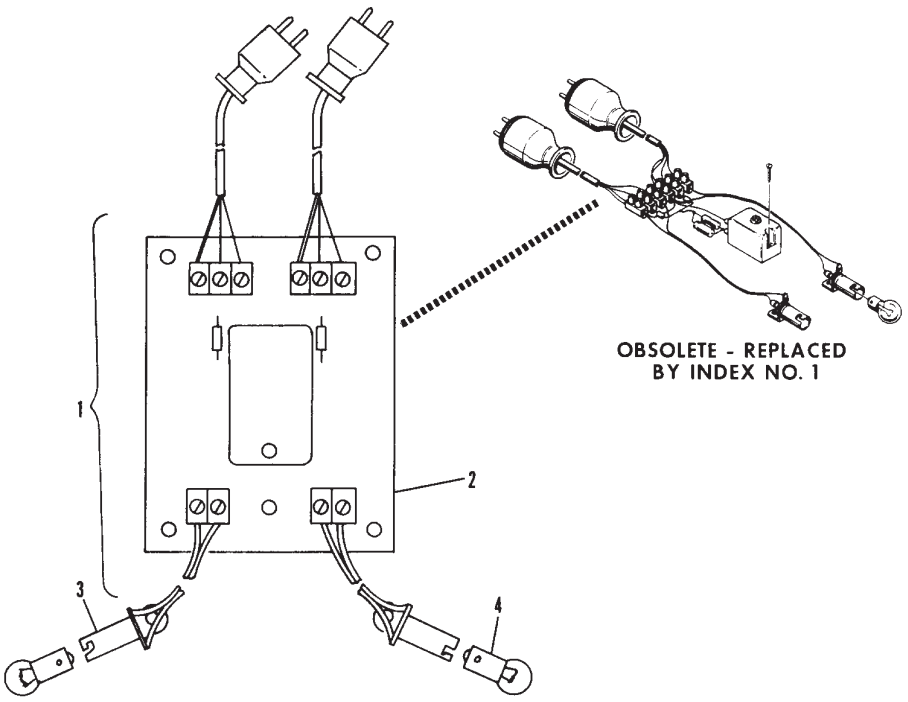




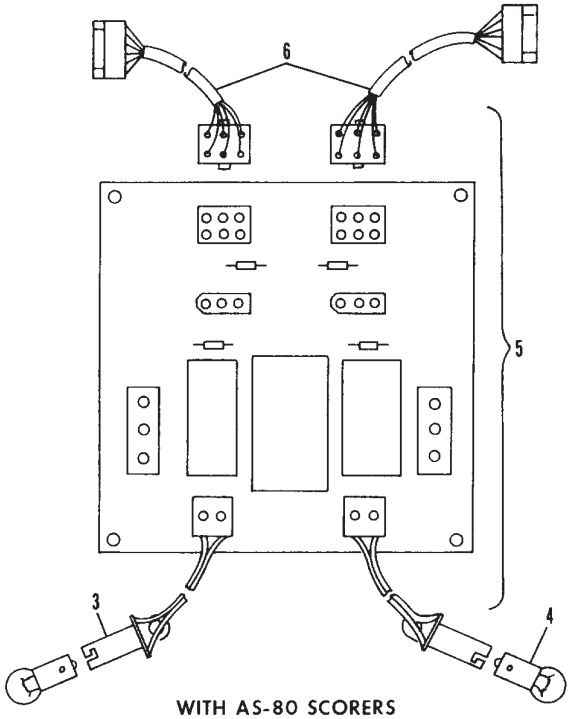
Foul and Trigger Photocells

Index No.	Part No.		Description
1.	N.A.		B-2000 Tel-E-Foul Assembly w/Cables Complete
2.	47-223068-004	N.A.	PCB Assembly
3.	N.A.		Lamp Socket
4.	47-223091-000		Lamp (24V)
5.	47-223057-004	N.A.	PCB Assembly
6.	47-242944-000	N.A.	Cable

N.A. = No Longer Available



WITHOUT AS-80 SCORERS



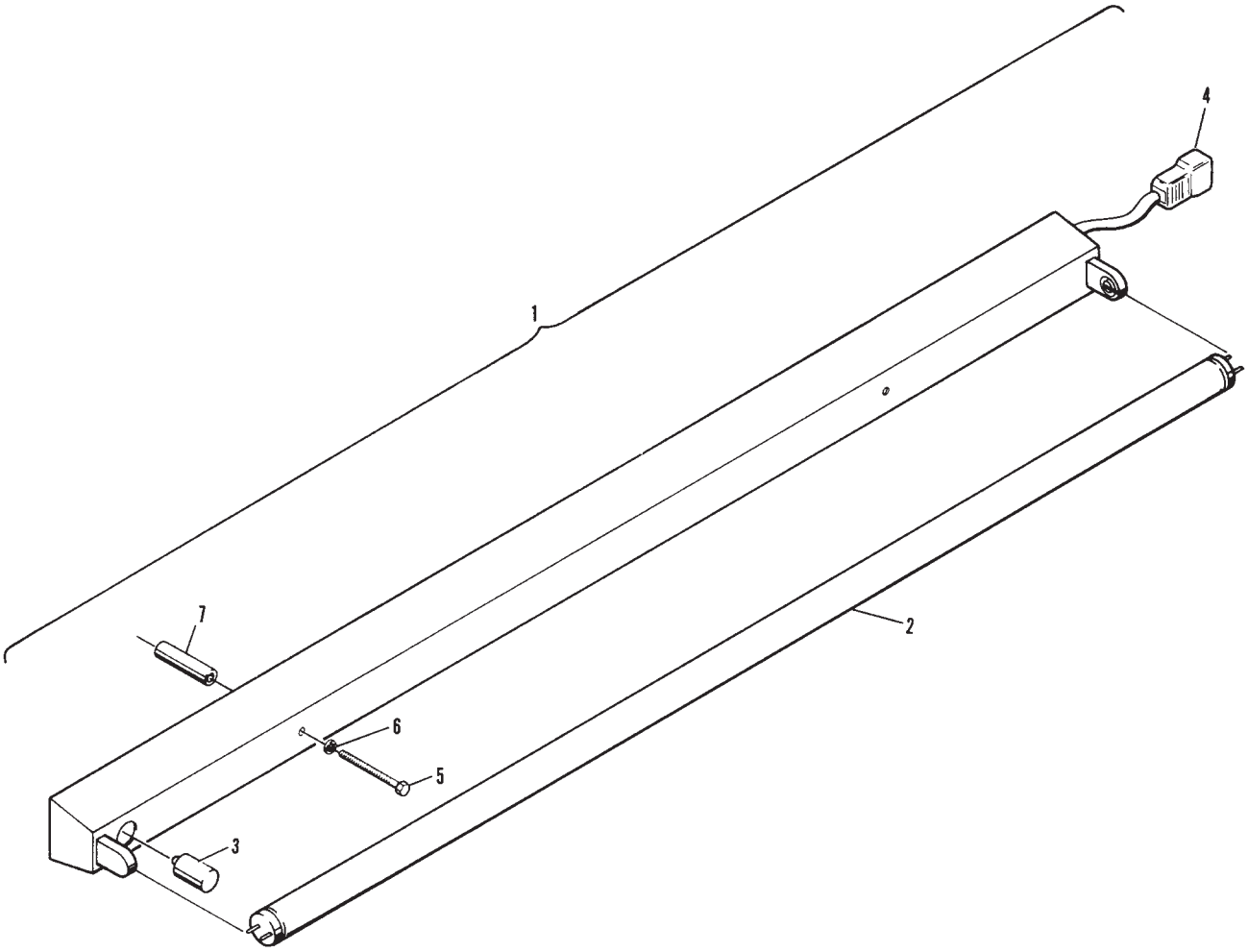
WITH AS-80 SCORERS

Tel-E-Foul Connection Boards

Index No.	Part No.		Description
1.	47-223074-004		Pin Light Assembly Complete (red box)
2.	47-203152-000		Bulb (White)
3.	47-203147-000		Starter
4.	N.A.		Plug
5.	11-051060-001		Hex Hd. Cap Screw (6 mm x 70 mm)
6.	11-051769-001		Lockwasher (6 mm)
7.	47-083699-004	N.A.	Spacer

N.A. = No Longer Available.

Pin Light Assembly

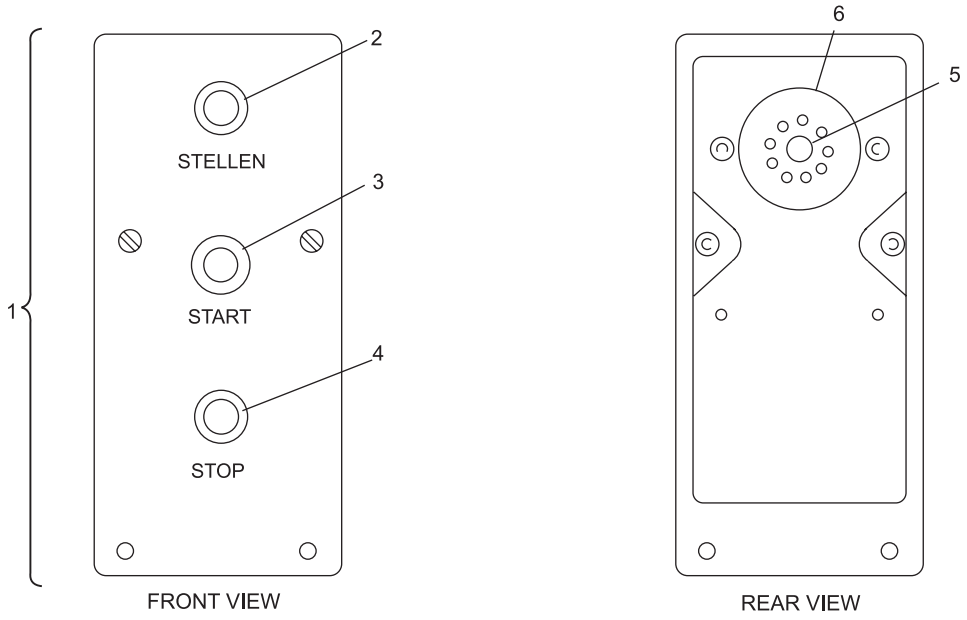


Pin Light Assembly

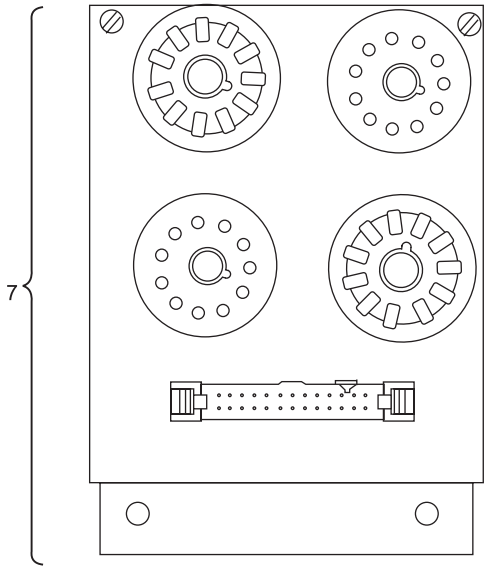
Index No.	Part No.		Description
1.	47-201385-004	N.A.	Remote Control Box Assembly
2.	47-203148-000	N.A.	Push Button (Green)
3.	47-203149-000	N.A.	Push Button (Black)
4.	47-203150-000	N.A.	Magnetic Switch Assembly
5.	47-223105-000	N.A.	Amphenol Plug (11 Pin)
6.	N.A.		Amphenol Plug Support
7.	N.A.		Connection Board Assembly

N.A. = No Longer Available

N.A.
Remote (Rear) Control Box and Connection Board Assembly



REMOTE CONTROL BOX



CONNECTION BOARD ASSEMBLY

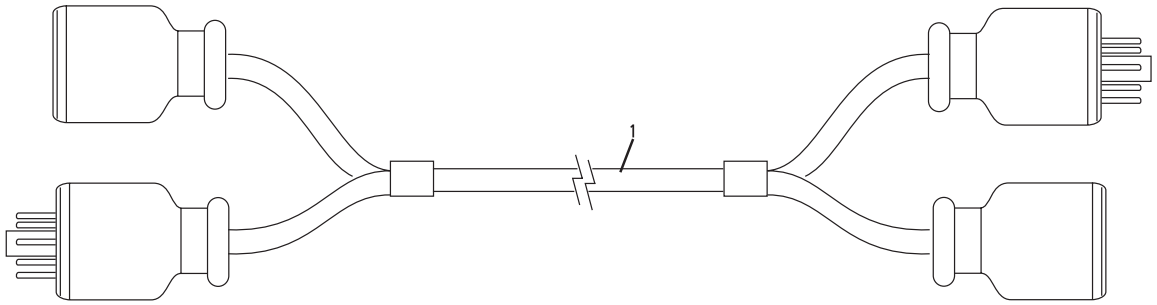
N.A.

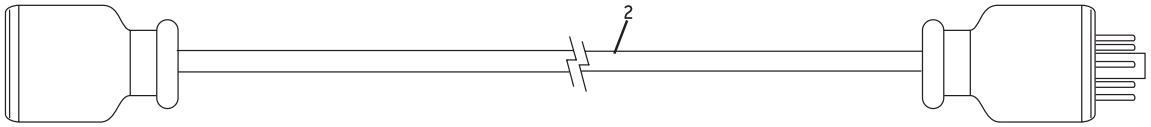
Remote (Rear) Control Box and Connection Board Assembly

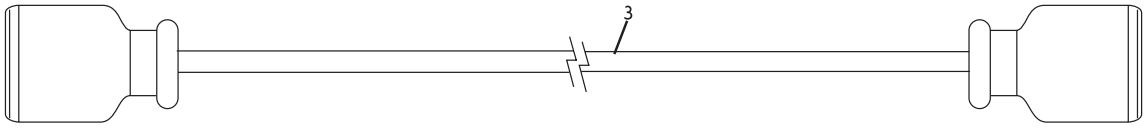
Index No.	Part No.		Description
1.	N.A.		Lane Cable,(22 pin, 30m long)
2.	N.A.		Lane Cable (11 pin, 30m long)
3.	45-240163-004	N.A.	Common Cable for Accelerator (2 pin, 4m long)
4.	47-223013-004	N.A.	Ball Rack Common Cable

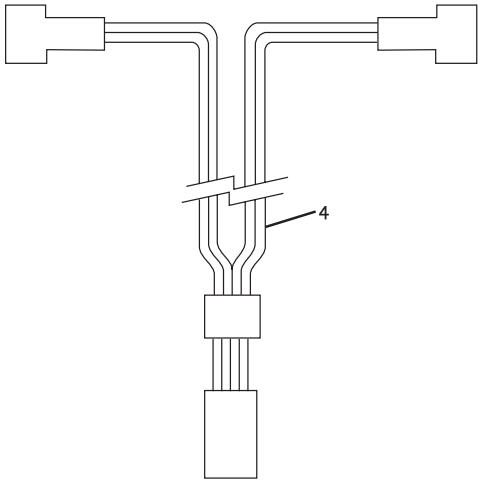
N.A. = No Longer Available

Forward Cables







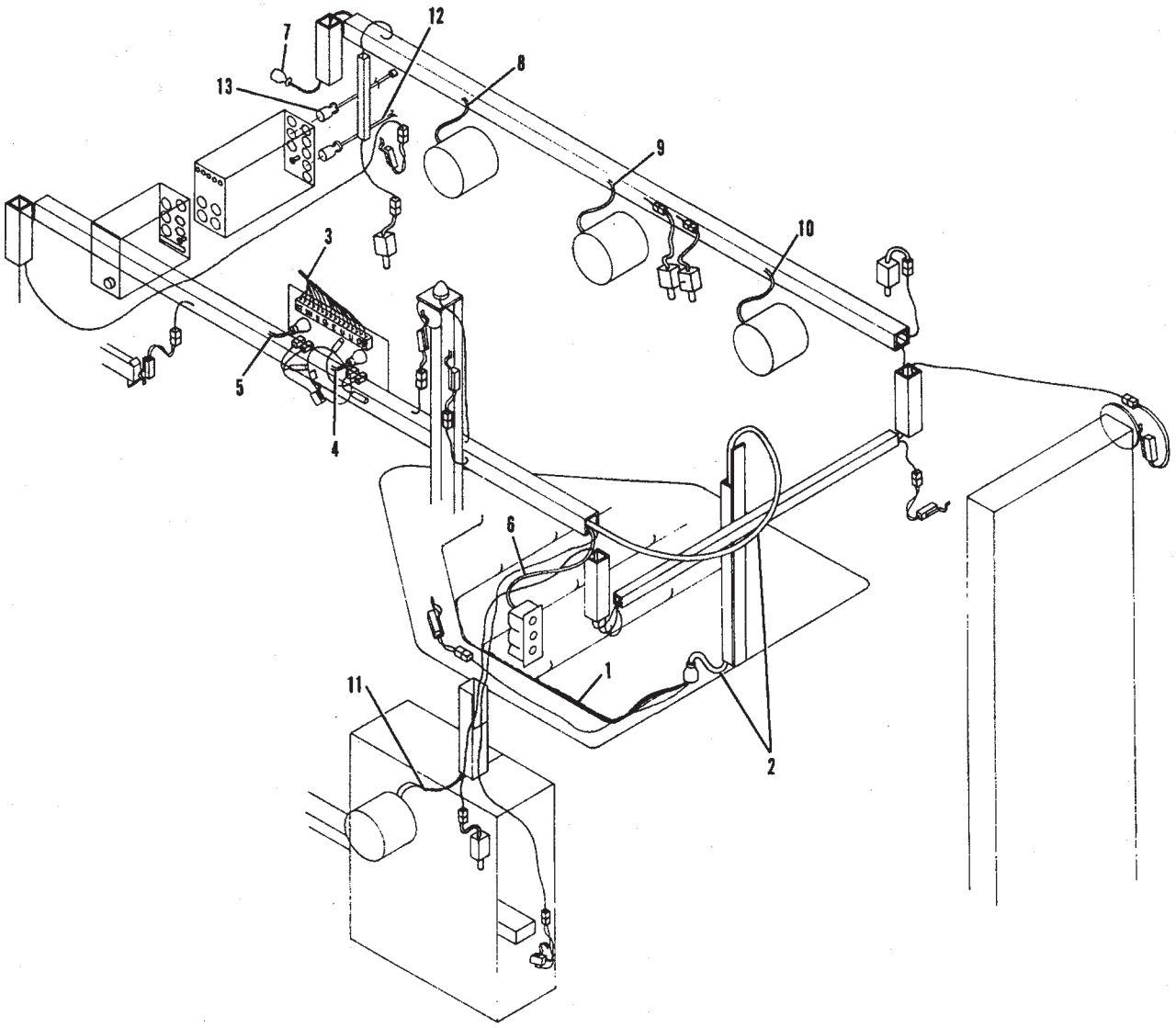


Forward Cables

Index No.	Part No.		Description
1.	47-241387-004	N.A.	Setting Table Harness (red box) - 3 pin connector
2.	47-241379-004		Setting Table Connection Cable
3.	47-241375-004	N.A.	Switch Cable Harness (E,G,H,KK,U1 & U2)
4.	47-241377-004	N.A.	KSE Cable (8 pin)
5.	47-241395-004	N.A.	KSS Cable (11 pin)
6.	47-223061-004	N.A.	T2 Cable (11 pin)
7.	47-241376-004	N.A.	Solenoid Cable Harness
8.	47-223011-004	N.A.	Elevator Motor Cable
9.	47-223010-004	N.A.	Sweep Motor Cable (Red Box)
10.	47-223009-004		Table Motor Cable
11.	47-223012-004	N.A.	Accelerator Motor Cable
12.	47-243017-004	N.A.	Lane Cable Adaptor (key)
13.	47-243016-004	N.A.	Photocell Adaptor

N.A. = No Longer Available

Machine Cables



Machine Cables

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Section M

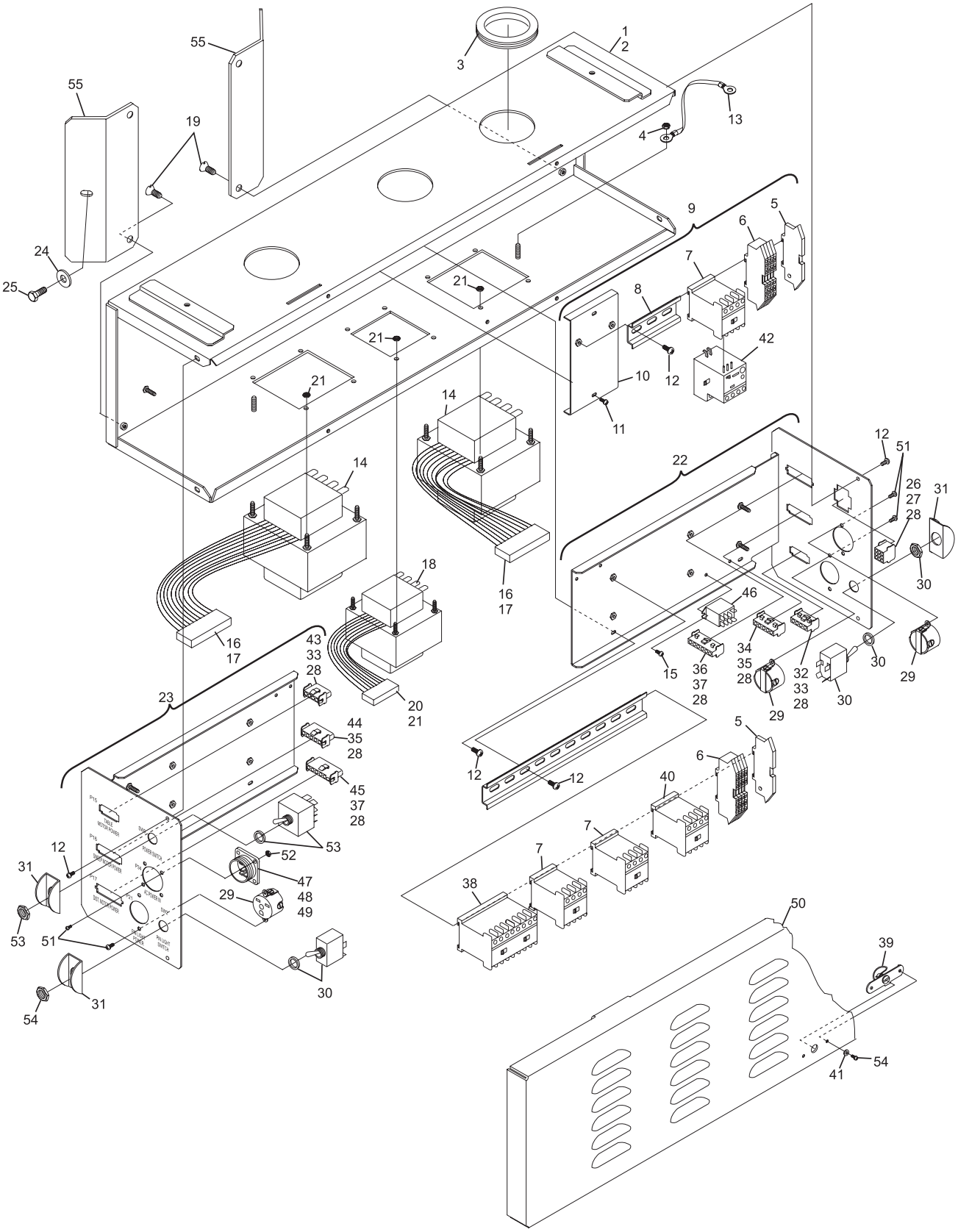
GS CONSOLIDATED ELECTRONICS and GS NEXGEN ELECTRONICS

Index No.	Part No.		Description
1.	47-862841-000	N.A.	GS Consolidated Electronics High Voltage Box Assembly (includes Mount and Mounting Hardware)
2.	N.A.		Enclosure
3.	11-651024-000	N.A.	Grommet (2.5 Dia.)
4.	11-170005-001		Hex Nut (#10-24)
5.	11-615760-000	N.A.	End Cap
6.	11-615759-000		Terminal Block
7.	11-671513-000		Contactor - (24V)
8.	47-142599-000		Mounting Rail (short)
9.	47-862838-000	N.A.	Ball Accelerator Contactor Mounting Plate Assembly
10.	47-142601-000	N.A.	Relay Mounting Plate
11.	11-012060-001	N.A.	Pan Head C.R. Screw with Lockwasher (#8-32 x 1/2”)
12.	11-012057-001		Pan Head C.R. Screw with Lockwasher (#8-32 x 5-16”)
13.	68-100481-000		Ground Cable Assembly
14.	47-142564-000		Transformer Assembly
15.	11-012271-001		Pan Head C.R. Screw (#6-32 x 5/16”)
16.	11-697214-000	N.A.	Connector
17.	11-680322-000	N.A.	Terminal
	57-860042-000	R.O.	Terminal (Pkg. of 20)
18.	47-142605-000		Transformer Assembly
19.	11-014144-001		Flat Head Slotted Screw (1/4-20 x 1/2”)
20.	11-697208-000	N.A.	Connector
21.	11-125003-001		Hex Nut (#8-32)
22.	47-862839-000	N.A.	R.H. Relay Mounting Plate Assembly
23.	47-862840-000	N.A.	L.H. Relay Mounting Plate Assembly
24.	11-191012-001		Flat Washer (5/16)
25.	11-001176-001	N.A.	Hex Head Cap Screw (1/4-20 x 3/8”)
26.	*47-142585-000	N.A.	Ball Accelerator Motor Power Cable Assembly
27.	11-696715-000		Connector
28.	11-696737-000		Terminal
29.	11-686128-000	N.A.	Utility Outlet
30.	11-615515-000		Toggle Switch
31.	47-142594-000		Switch Guard
32.	*47-142586-000		Table Motor Power Cable Assembly
33.	11-696714-000	N.A.	Connector
34.	*47-142587-000		Sweep Motor Power Cable Assembly
35.	11-696716-000	N.A.	Connector
36.	*47-142588-000		Elevator Motor Power Cable Assembly
	*47-862735-000		Elevator Motor Power Cable Assembly (for use with Adapter 68-100453-000 N.A.)
37.	11-696717-000	N.A.	Connector Cap
38.	11-671011-000		Contactor (24V)
39.	57-214276-007		Spring Latch Assembly
40.	11-671514-000		Contactor (12V)
41.	11-199000-001		Lockwasher
42.	11-671001-000	N.A.	Relay (1.6 - 2.5 Amp)
43.	*47-142591-000	N.A.	Table Motor Power Cable Assembly
44.	*47-142592-000		Sweep Motor Power Cable Assembly
45.	*47-142606-000		Elevator Motor Power Cable Assembly
46.	11-696622-000	N.A.	Relay (24V)
47.	*47-172916-000	N.A.	AC Input Cable Assembly
48.	11-703531-000	N.A.	Connector
49.	11-612578-000	N.A.	Terminal
50.	47-142556-000	N.A.	Cover
51.	11-012274-001		Pan Head C.R. Machine Screw (#6-32 x 1/2”)
52.	11-176005-001		Keps Nut
53.	11-615510-000	N.A.	Toggle Switch
54.	11-012251-001	N.A.	Pan Head C.R. Screw with Lockwasher (#4-40 x 3-16”)
55.	47-142600-000	N.A.	Mounting Bracket

N.A. = No Longer Available

** Not Illustrated*

GS Consolidated Electronics High Voltage Box Assembly



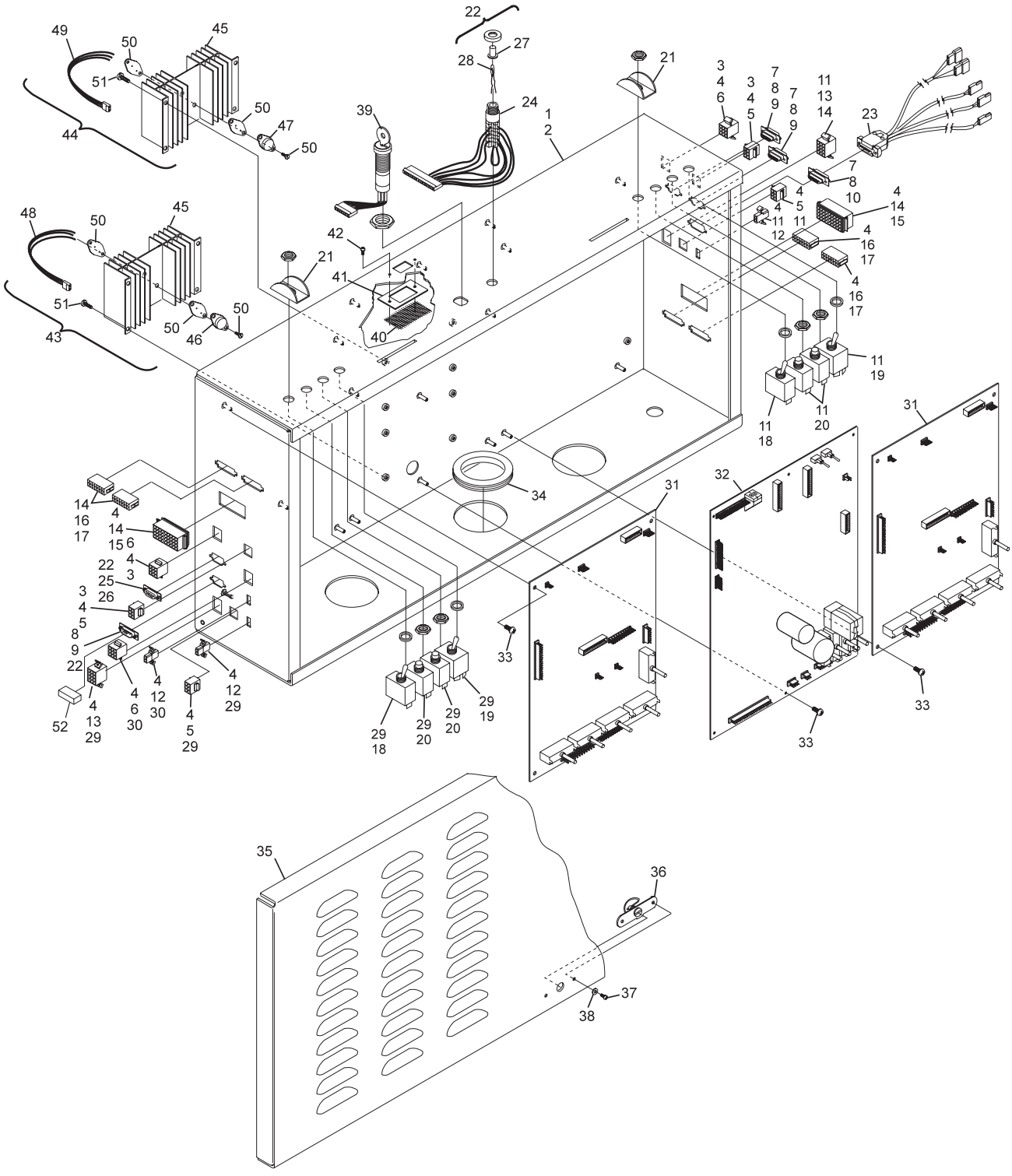
GS Consolidated Electronics High Voltage Box Assembly

Index No.	Part No.		Description
1.	47-862821-400	N.A.	GS Consolidated Electronics Low Voltage Control Box (includes Isolation Mount and Mounting Hardware)
	47-862926-400	N.A.	GS-X Consolidated Electronics Low Voltage Control Box (includes Isolation Mount and Mounting Hardware)
2.	N.A.		Enclosure
3.	*47-142571-000		Masking Unit and Micro Processor Interface Cable Assembly
4.	11-680301-000	N.A.	Terminal
	57-860031-000	R.O.	Terminal - Female (Pkg. of 20)
5.	11-680207-000		Connector
6.	N.A.		Connector
7.	*47-142568-000		Low Voltage Interface Cable Assembly
8.	11-680983-000		Terminal
9.	11-680995-000	N.A.	Connector
10.	11-680954-000		Connector
11.	*47-142602-000	N.A.	R.H. Lane Various Functions Cable Assembly
12.	11-680220-000	N.A.	Connector
13.	11-680208-000	N.A.	Connector
14.	N.A.		Solenoid and Switches Cable Assembly
15.	11-680221-000		Connector
16.	11-692325-000		Connector
17.	11-692090-000	N.A.	Terminal
	57-860043-000	R.O.	Terminal (Pkg. of 10)
18.	11-615511-000		Toggle Switch
19.	11-615515-000		Toggle Switch
20.	11-615013-000		Push Button
21.	47-142594-000		Switch Guard
22.	*N.A.		Comline Switch Cable Assembly
	47-142563-000	R.O.	Comline Switch GS Low Voltage Box Cable Assembly
23.	47-142619-000		Optical Trigger Foul Control Cable Assembly
24.	11-615021-000		Switch w/LED (Does not include cable)
25.	N.A.		Connector
26.	11-680981-000		Terminal
27.	11-615022-000		Lens (Red)
28.	11-680802-000		LED
29.	*47-142572-000	N.A.	R.H. and L.H. Lane Various Functions Cable Assembly
30.	*47-142567-000	N.A.	High Voltage Output Cable Assembly
31.	47-862823-000		I/O PCB
32.	47-862822-400	N.A.	CPU PCB (pre-GS-X)
	47-862925-400	N.A.	CPU PCB (GS-X)
33.	11-012274-001		Pan Head C.R. Machine Screw (#6-32 x 1/2”)
34.	11-651024-000	N.A.	Grommet (2-1/2” Dia.)
35.	47-142595-000		Cover
36.	57-214276-007		Fastener
37.	11-012251-001	N.A.	Pan Head C.R. Machine Screw (#4-40 x 3/16”)
38.	11-199000-001		Lockwasher (#4)
39.	47-862503-000		Keyswitch Assembly
40.	N.A.		Screen
41.	68-100663-000	N.A.	Screen Retainer
42.	11-012003-001		Pan Head C.R. Machine Screw w/Lockwasher (#4-40 x 5/16”)
43.	N.A.		Voltage Regulator (VR2)
44.	N.A.		Voltage Regulator (VR1)
45.	11-698421-000	N.A.	Heat Sink
46.	11-696878-000	N.A.	Adjustable Voltage Regulator (+12V)
47.	11-696876-000	N.A.	Voltage Regulator (+12V)
48.	47-142566-001	N.A.	Cable Assembly - 9” (Blue)
49.	47-142565-001	N.A.	Cable Asssembly - 13” (Orange)
50.	11-698441-000	N.A.	Mounting Kit
51.	11-052057-001		Pan Head C.R. Screw with Lockwasher
52.	57-861589-000	N.A.	Comline Terminator

N.A. = No Longer Available

* Not Illustrated

GS Consolidated Electronics Low Voltage Box Assembly

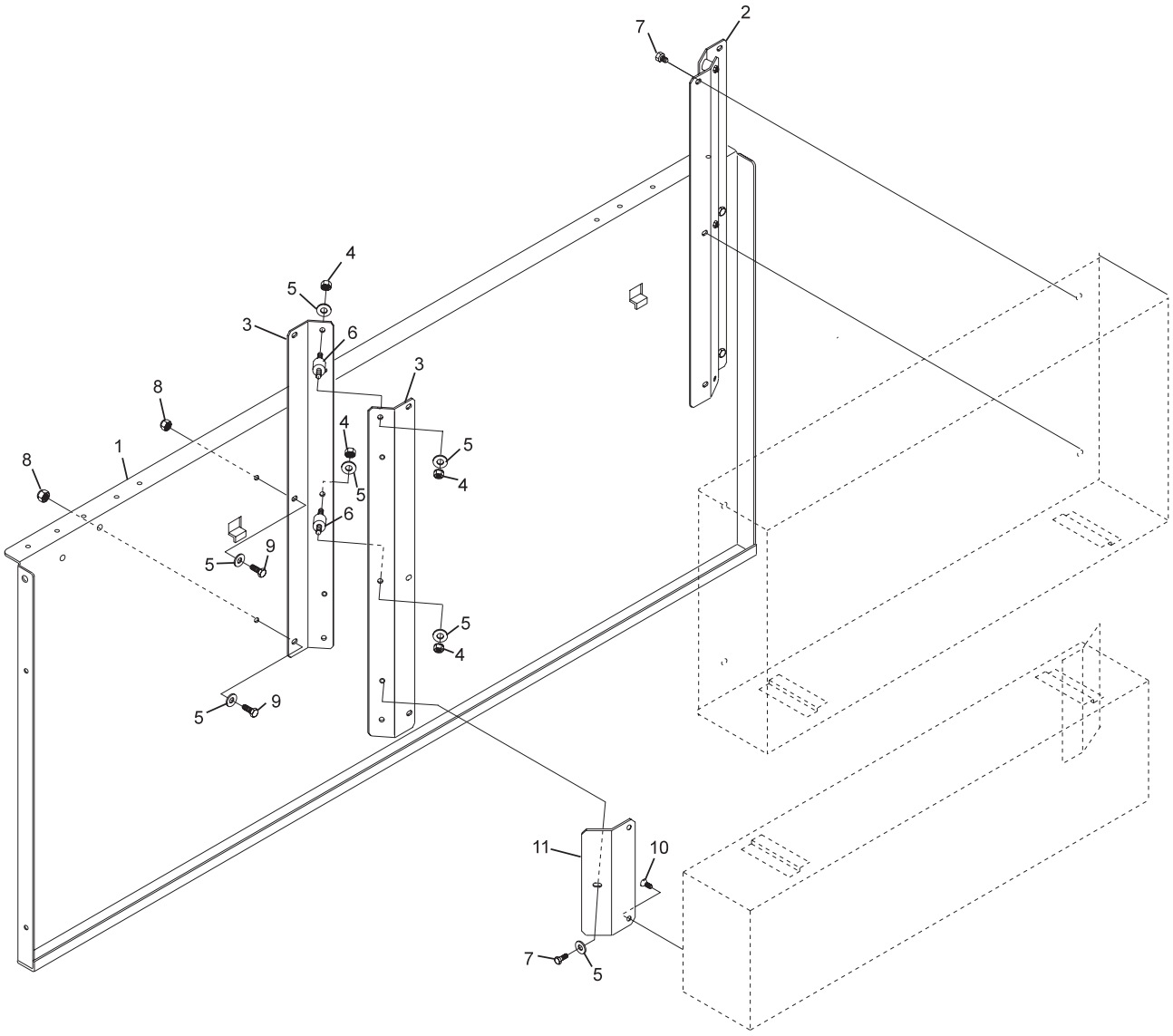


GS Consolidated Electronics Low Voltage Box Assembly

Index No.	Part No.		Description
1.	47-080201-001	N.A.	Front Frame Support
2.	47-142613-000I	N.A.	solation Mount Assembly (shipped as R.H. reconfigure for L.H. Isolation Mount Assembly use)
3.	N.A.		Mounting Bracket
4.	11-176001-001		Keps Nut (5/16-18)
5.	11-191012-001		Flat Washer (5/16)
6.	11-603025-000	N.A.	Vibration Mount
7.	11-001176-001	N.A.	Hex Machine Screw (1/4-20 x 3/8”)
8.	11-050901-001	N.A.	Locknut (M8)
9.	11-051010-001		Hex Head Cap Screw (M8 x 20)
10.	11-014144-001		Flat Head Screw (1/4-20 x 1/2”)
11.	47-142600-000	N.A.	Mounting Bracket

N.A. = No Longer Available

GS Consolidated Electronics Box Mounting



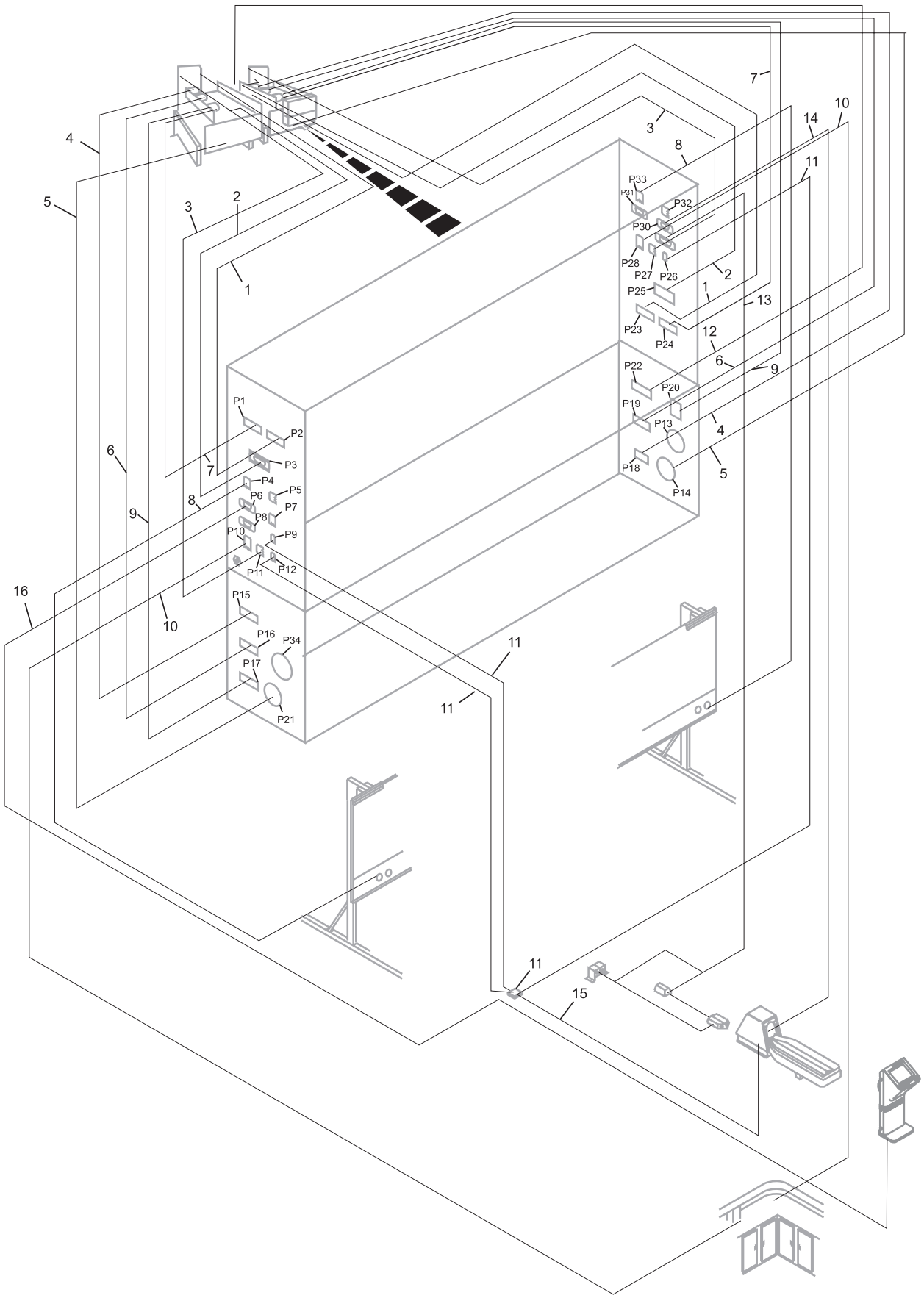
GS Consolidated Electronics Box Mounting

Index No.	Part No.		Description
1.	47-142620-000		R.H. Side Function Solenoid and Switches Cable Assembly
2.	47-244922-004		Table Switch and Harness Cable Assembly
3.	47-243071-004	N.A.	Rear Box Control with Cable Assembly
	47-243071-000	R.O.	Rear Box Control with Cable Assembly
4.	47-142615-000		Table Motor Cable Assembly
5.	*		L.H. Pin Light Power Cable Assembly
6.	47-142617-000		Sweep Motor Cable Assembly
7.	47-142621-000		L.H. Function Solenoid and Switches Cable Assembly
8.	53-200871-000		Masking Unit Control Cable Assembly
9.	47-142616-000		Elevator Motor Cable Assembly
10.	68-100159-000	N.A.	Manager's Lane Control Cable Assembly
11.	47-862825-000		Ball Lift Adapter Cable
12.	47-142614-000		Ball Accelerator Cable Assembly
13.	47-142619-000		Foul and Optical Trigger Cable
14.	68-100050-000	N.A.	Player Control Station Cable Assembly
15.	53-860691-000		Lane (to Ball Lift) Cable Assembly
16.	57-861526-000		Frameworx Primary to Consolidated Box LAN Cable

N.A. = No Longer Available

NOTE: See page 5F for Setting Table Cable Assembly for GS-X and Above (Machine Series 424 and Above)

GS Consolidated Electronics Box Cabling



GS Consolidated Electronics Box Cabling

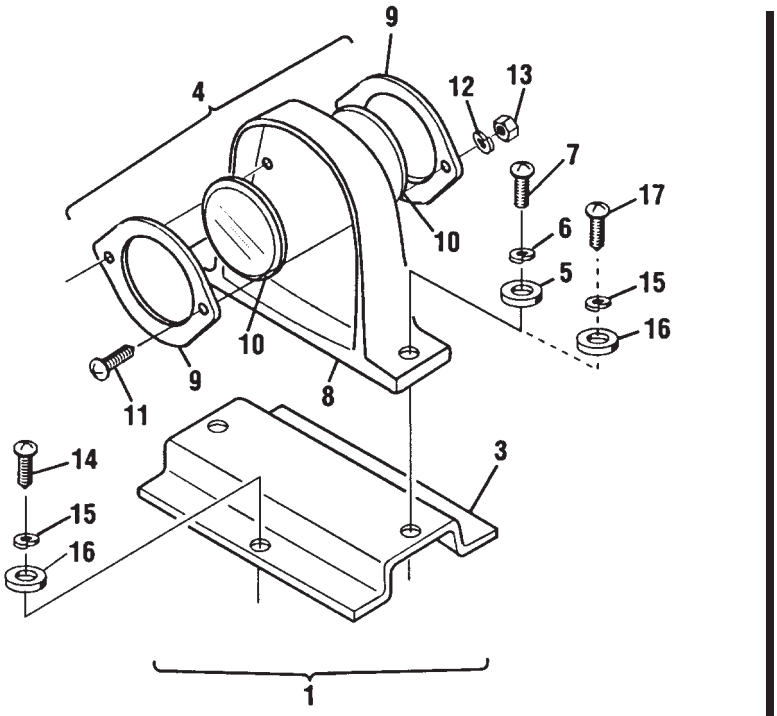
Index No.	Part No.		Description
1.	*57-214920-000	N.A.	Reflector and Bracket Assembly
2.	57-214921-000	N.A.	Ball Detector Assembly
	99-080220-004	N.A.	Ball Detector Assembly
	99-086293-000	N.A.	Pkg. Ball Detect Complete w/Hardware
	99-087140-000	R.O.	Pkg. Ball Detect Complete w/Hardware
3.	*57-214901-000	N.A.	Bracket
4.	*17-600771-000	N.A.	Housing Assembly
5.	11-190004-001		Flat Washer (#8)
6.	11-195008-001		Lockwasher (#8)
7.	11-012308-001		Pan Hd. Machine Screw (#8-32 x 3/8”)
8.	*17-600770-000	N.A.	Housing Only
9.	17-600773-000	N.A.	Plate
10.	53-600101-000		Reflector
11.	11-013007-001	N.A.	Sltd. Pan Hd. Machine Screw (#4-40 x 9/16”)
12.	11-195004-001	N.A.	Lockwasher (#4)
13.	11-125000-001		Hex Nut (#4)
14.	11-082092-001	N.A.	Self Tapping Screw (#10 x 1/2”)
15.	11-195010-001		Lockwasher (#10)
16.	11-190006-001		Flat Washer (#10)
17.	N.A.		Wood Screw (#10 x 3/4”)
18.	57-214900-000		Bracket
19.	11-013060-001		Pan Hd. Machine Screw (#8-32 x 1/2”)
20.	11-086307-001		Sltd. Flat Hd. Machine Screw (#4 x 1”)
21.	57-214904-000	N.A.	Cable Assembly
	99-080194-004	N.A.	Photo Cell & Cable Assembly
	99-086292-000	N.A.	Pkg. Ball Detect Sigle Unit w/Hardware
	99-087140-000	R.O.	Pkg. Ball Detect Sigle Unit w/Hardware
22.	99-080186-003		Housing
23.	99-080180-004		Spring
24.	11-680101-000		Connector
25.	11-680302-000	N.A.	Terminal
	57-860032-000	R.O.	Terminal - Male (Pkg. of 10)
26.	47-223102-004	N.A.	Reflector
	47-225846-004	R.O.	Reflector
27.	11-054780-000	N.A.	Slotted Pan Hd. Self Tapping Screw (4.2mm x 16mm)
28.	99-200212-004	N.A.	Reflector Bracket
29.	99-200222-004		Reflector and Bracket Assembly
30.	47-225846-004		Reflector Tape
31.	*57-860507-000		Reflector and Hardware Pkg. (includes Index Nos 1, 3, 4, and 8)

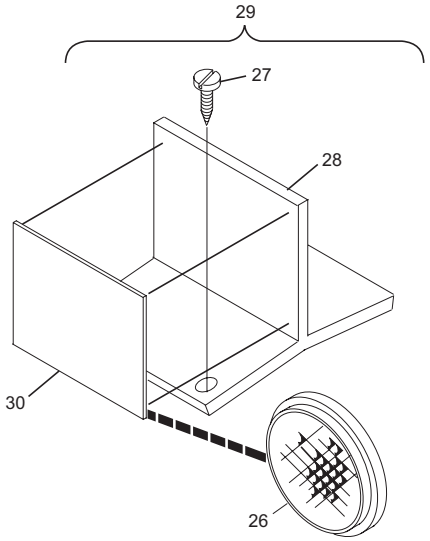
N.A. = No Longer Available
R.O. = Replacement Option

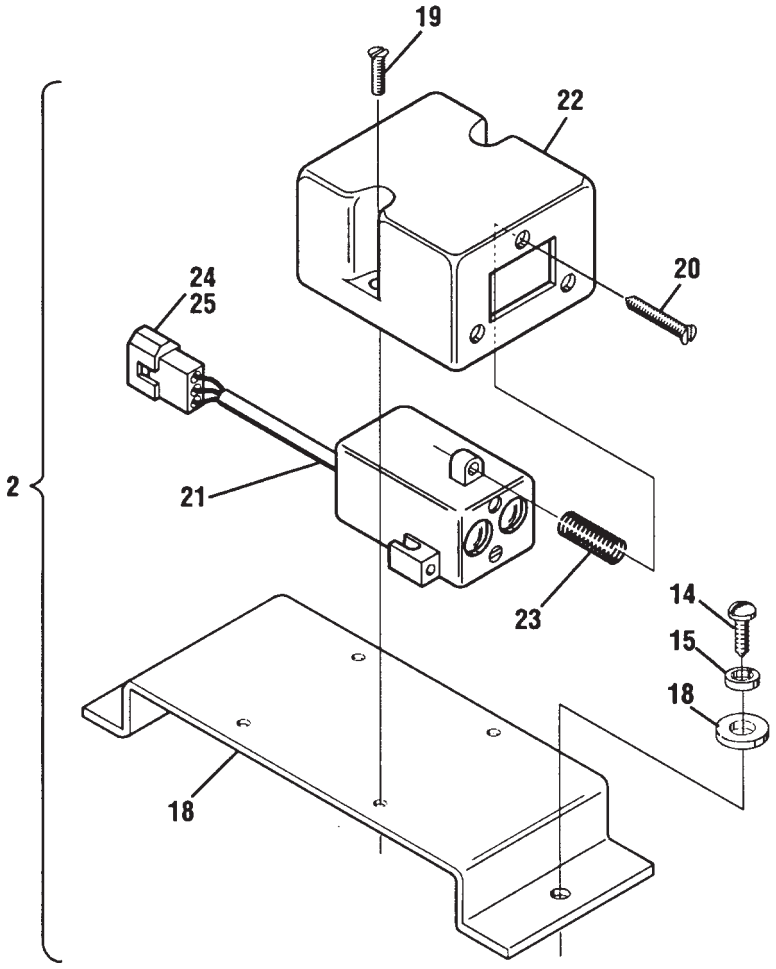
* Part available in Reflector and Hardware Package see index No. 31 for ordering.

** Not Illustrated

Reflector and Ball Detector Assemblies - GS Electronics Boxes







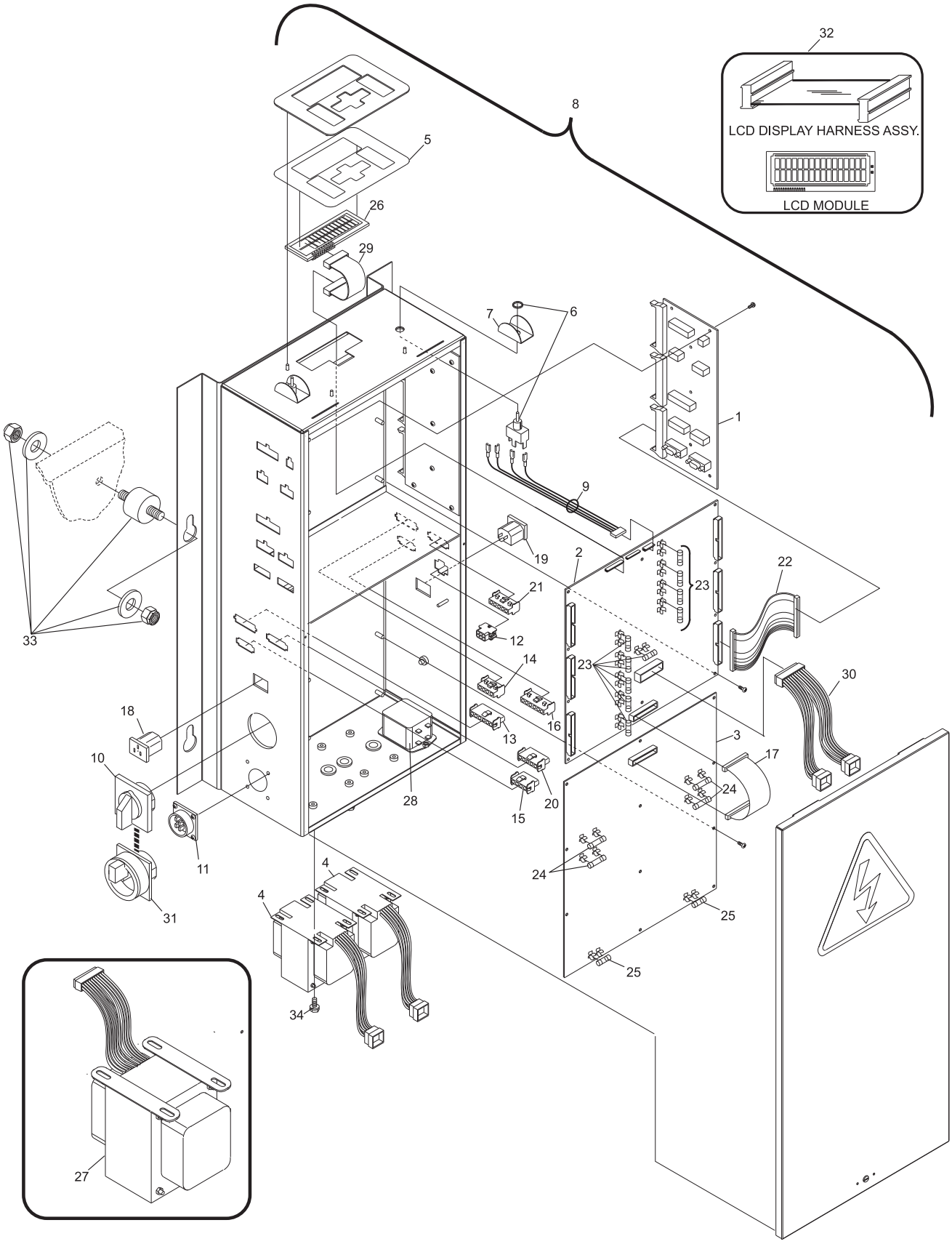
Reflector and Ball Detector Assemblies - GS Electronics Boxes

Index No.	Part No.		Description
1.	47-862863-000		I/O PCB Assembly
2.	47-862851-400	N.A.	CPU PCB Assembly
	47-142736-401	R.O.	CPU PCB Nexgen Controller Assembly
3.	47-862852-000	N.A.	High Voltage PCB Assembly
	47-862859-000	R.O.	High Voltage PCB Nexgen Controller
4.	47-142692-000		Transformer - Qty 1 (For dual transformer Nexgen Boxes - sold individually)
5.	47-862857-000		Keyboard Membrane
6.	11-615511-000		ON/OFF Toggle Switch w/Nut
7.	47-142594-000		Switch Guard
8.	47-862862-400	N.A.	Nexgen Controller Assembly
	47-862866-400	N.A.	Nexgen Controller Assembly
	47-862866-402	N.A.	Nexgen Controller Assembly
	47-862866-403	N.A.	Nexgen Controller Assembly
	47-862866-404	R.O.	Nexgen Controller Assembly
9.	47-142662-000	N.A.	Run/Stop Cable Assembly
10.	47-142660-000		Power Switch/Cable Assembly (single transformer nexgen box)
	47-142705-000	N.A.	Power Switch/Cable Assembly (dual transformer nexgen box)
11.	47-142663-000		AC Power In Cable Assembly
12.	47-142653-000	N.A.	Ball Accelerator Motor Power Cable Assembly
13.	47-142656-000		L.H. Distributor Motor Power Cable Assembly
14.	47-142656-010	N.A.	R.H. Distributor Motor Power Cable Assembly
15.	47-142657-000		L.H. Setting Table Power Cable Assembly
16.	47-142657-010		R.H. Setting Table Power Cable Assembly
17.	47-142700-000		CPU to High Voltage Logic Cable Assembly (14”)
18.	47-142664-000		L.H. Pin Light Power Cable Assembly
19.	47-142664-010		R.H. Pin Light Power Cable Assembly
20.	47-142661-000		L.H. Sweep Motor Power Cable Assembly
21.	47-142661-010		R.H. Sweep Motor Power Cable Assembly
22.	47-142654-000	N.A.	CPU to I/O PCB Cable Assembly
23.	47-862854-000		Fuse 3.15A, 250V (Pkg. of 5)
24.	47-862855-000		Fuse 8A, 250V - Fast Blow (Pkg. of 5)
25.	47-862856-000		Fuse .5A, 250V - Slow Blow (Pkg. of 5)
26.	*47-142666-000	N.A.	LCD Display - only
27.	47-142659-000		Transformer (For single transformer Nexgen Boxes)
28.	11-688581-000	N.A.	Power Filter
	47-142655-000	R.O.	Power Filter w/Harness Assembly
29.	*47-142665-000	N.A.	LCD Display Cable
30.	47-142693-000		Transformers to CPU Cable (For dual transformer Nexgen Boxes)
31.	11-615048-000		Switch Power Lockout
32.	47-862100-000		Pkg. LCD Module w/Harness (includes index Nos. 26 & 29)
33.	47-862007-000		Pkg. Nexgen Vibration Mount Kit (includes 4 mounts and hardware)
34.	11-012096-001		Screw (#10-32 x 1/2”)

N.A. = No Longer Available
R.O. = Replacement Option

* Part No. 26 and 29 included in Wire Harness for LCD - Nexgen Pkg. index No. 32.

Nexgen Controller Assembly (Includes Internal Cabling)



Nexgen Controller Assembly
(Includes Internal Cabling)

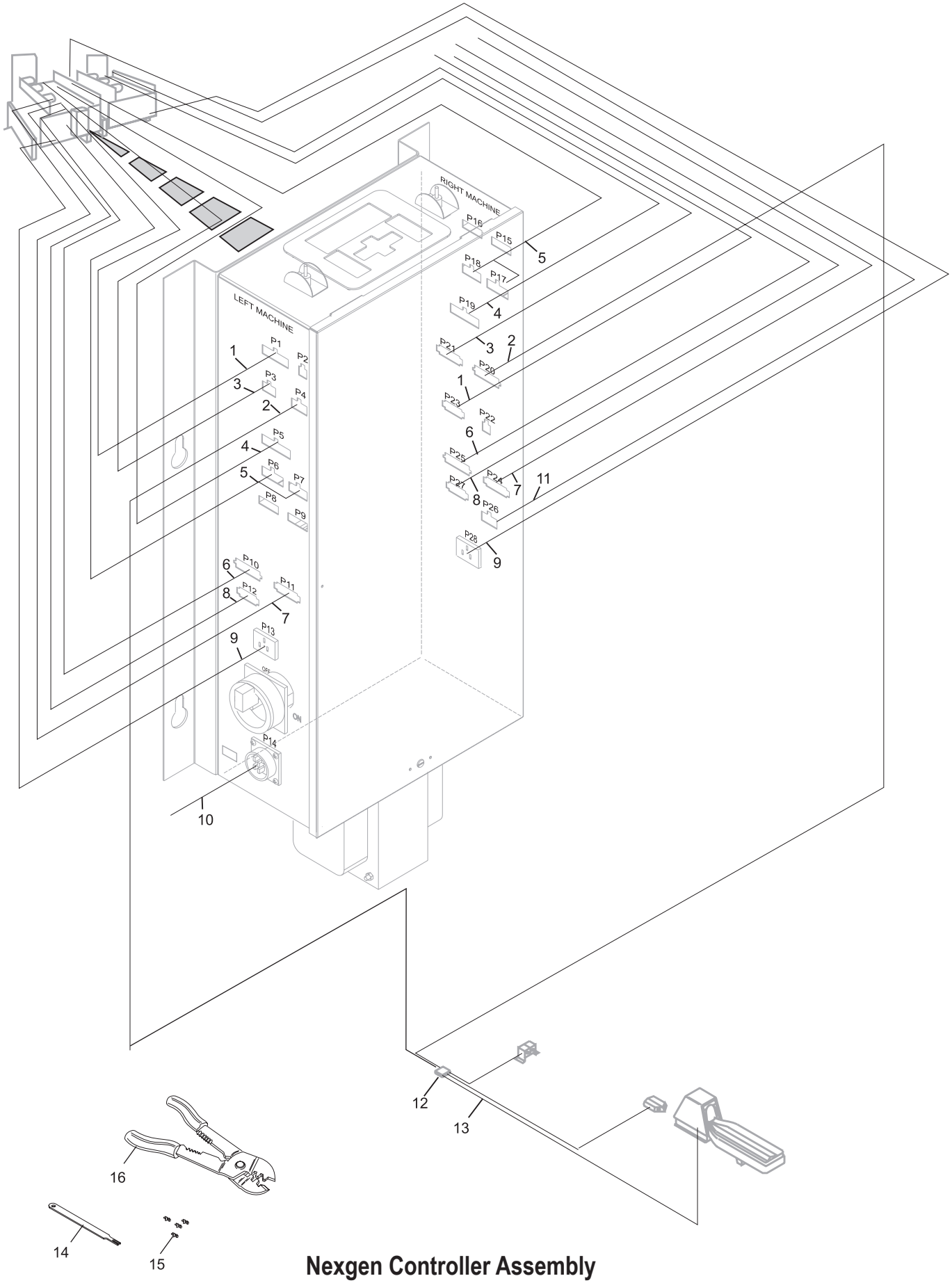
Index No.	Part No.		Description
1.	47-142674-000	N.A.	R.H.Function Solenoid and Switches Cable Assembly
	47-142730-000	R.O.	R.H. Functions Cable Assembly
2.	47-862848-000	N.A.	Ball Detect and Foul Cable Assembly
3.	47-245422-003		Rear Box Control Cable Assembly
4.	47-142673-000	N.A.	L.H. Functions Solenoids and Switches Cable Assembly
	47-142790-000	R.O.	L.H. Functions Cable Assembly
5.	47-245420-004		Setting Table Cable Assembly
6.	47-142616-000		Distributor Motor Cable Assembly
7.	47-142617-000		Sweep Motor Cable Assembly
8.	47-142615-000		Setting Table Motor Cable Assembly
9.	47-225416-004		Pin Light Cable Assembly
10.	47-862735-000		Power Adapter Cord (600V)
11.	47-245423-004		Ball Accelerator Motor Cable Assembly
12.	47-862825-000		Ball Lift Cable
13.	53-860691-000		Lane to Ball Lift Cable
14.	57-900112-000		Forked Extractor
15.	11-692091-000	N.A.	Terminal
16.	57-900103-000		Crimper

N.A. = No Longer Available
R.O. = Replacement Option

* 47-862848-000 Ball Detect and Masking Unit Cable

L.H. Machine				R.H. Machine			
Con-nection	Cable Description		Part No.	Con-nection	Cable Description		Part No.
P1	R.H Function	N.A.	47-142674-000	P23	R.H. Function	N.A.	47-142674-000
	R.H. Function	R.O.	47-142730-000		R.H. Function	R.O.	47-142730-000
P2	Masking Unit		*	P22	Masking Unit		*
P3	Rear Box Control		47-245422-003	P23	Rear Box Control		47-245422-003
P4	Ball Detect & Foul	N.A.	47-142672-000	P20	Ball Detect & Foul		47-142672-000
P5	L.H. Function	N.A.	47-142673-000	P19	L.H. Function	N.A.	47-142673-000
	L.H. Function	R.O.	47-142790-000		L.H. Function	R.O.	47-142790-000
P6/P7	Setting Table		47-245420-004	P18/ P17	Setting Table		47-245420-004
P8	FX Com Line In			P15	FX Com Line In		
P9	FX Com Line Out		57-861526-000	P16	FX Com Line Out		57-861526-000
P10	Distributor Motor		47-142616-000	P25	Distributor Motor		47-142616-000
P11	Sweep Motor		47-142617-000	P24	Sweep Motor		47-142617-000
P12	Setting Table Motor		47-142615-000	P27	Setting Table Motor		47-142615-000
P13	Pin Light		47-225416-004	P28	Pin Light		47-225416-004
P14	Power In		68-100453-000	P26	Power In		68-100453-000

Nexgen Controller Assembly
External Cabling



Nexgen Controller Assembly
External Cabling

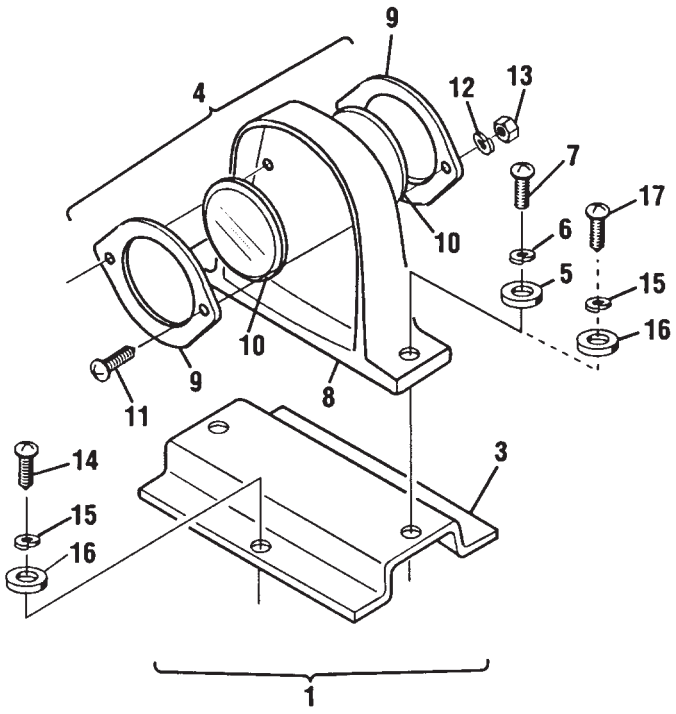
Index No.	Part No.		Description
1.	*57-214920-000	N.A.	Reflector and Bracket Assembly
2.	57-214921-000	N.A.	Ball Detector Assembly
	99-080220-004	N.A.	Ball Detector Assembly
	99-086293-000	N.A.	Pkg. Ball Detect Complete w/Bracket & Hardware
	99-087141-000	R.O.	Pkg. Ball Detect Complete w/Bracket & Hardware
3.	*57-214901-000	N.A.	Bracket
4.	*17-600771-000	N.A.	Reflector Housing Assembly
5.	11-190004-001		Flat Washer (#8)
6.	11-195008-001		Lockwasher (#8)
7.	11-012308-001		Pan Hd. Machine Screw (#8-32 x 3/8”)
8.	*17-600770-000	N.A.	Housing Only
9.	17-600773-000	N.A.	Plate
10.	53-600101-000		Reflector
11.	11-013007-001	N.A.	Sltd. Pan Hd. Machine Screw (#4-40 x 9/16”)
12.	11-195004-001	N.A.	Lockwasher (#4)
13.	11-125000-001		Hex Nut (#4-40)
14.	11-082092-001	N.A.	Self Tapping Screw (#10 x 1/2”)
15.	11-195010-001		Lockwasher (#10)
16.	11-190006-001		Flat Washer (#10)
17.	N.A.		Wood Screw (#10 x 3/4”)
18.	57-214900-000		Bracket
19.	11-013060-001		Pan Hd. Machine Screw (#8-32 x 1/2”)
20.	11-086307-001		Sltd. Flat Hd. Machine Screw (#4 x 1”)
21.	57-214904-000	N.A.	Cable Assembly
	99-080194-004	N.A.	Photo Cell & Cable Assembly
	99-086292-000	N.A.	Pkg. Ball Detect Single Unit w/Hardware
	99-087140-000	R.O.	Pkg. Ball Detect Single Unit w/Hardware
22.	99-080186-003		Housing
23.	99-080180-004		Spring
24.	11-680101-000		Connector
25.	11-680302-000	N.A.	Terminal
	57-860032-000	R.O.	Terminal - Male (Pkg. of 10)
26.	47-223102-004	N.A.	Reflector
	47-225846-004	R.O.	Reflector
27.	11-054780-000	N.A.	Slotted Pan Hd. Self Tapping Screw (4.2mm x 16mm)
28.	99-200212-004	N.A.	Reflector Bracket
29.	99-200222-004		Reflector and Bracket Assembly
30.	47-225846-004		Reflector Tape
31.	**57-860507-000		Reflector and Hardware Pkg. (includes Index Nos. 1, 3, 4 & 8)

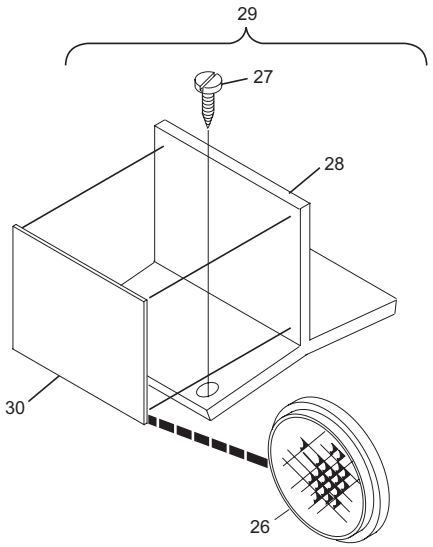
N.A. = No Longer Available

* Parts available in Reflector and Hardware Pkg. See index No. 31 for ordering.

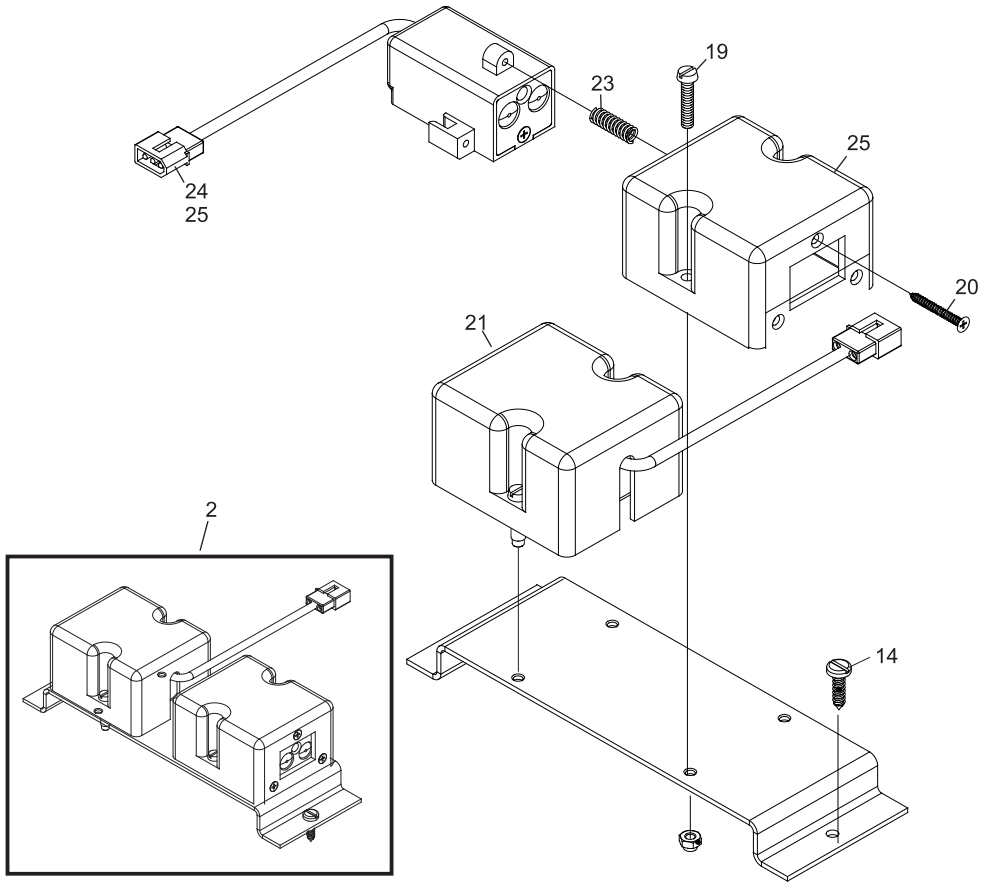
** Not Illustrated

Reflector and Ball Detector Assemblies - Nexgen Controller Assembly





FOR UNITS SO EQUIPPED



Reflector and Ball Detector Assemblies - Nexgen Controller Assembly

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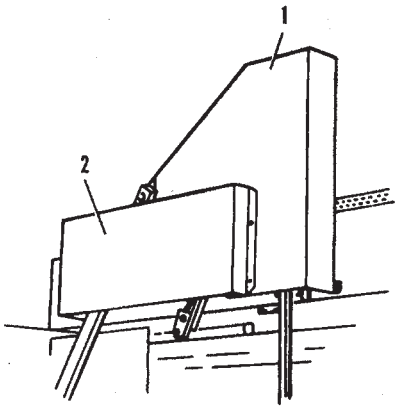
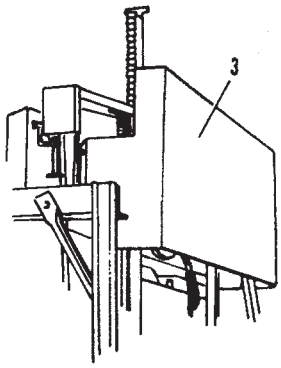
Section N

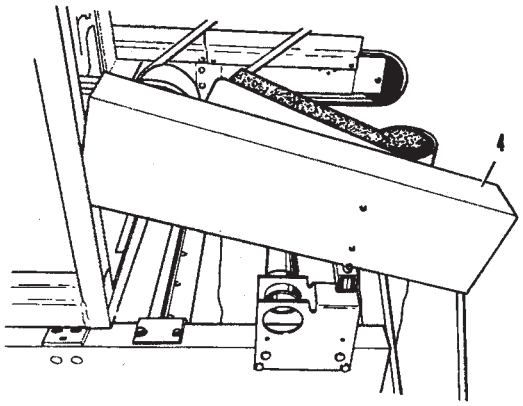
GUARDS

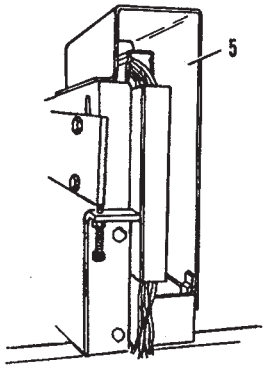
Index No.	Part No.		Description
1.	47-081504-001		Guide Tower Guard
2.	47-081795-002	N.A.	Gear Train Guard (right-hand)
3.	47-082103-001		Gear Train Guard (left-hand)
4.	N.A.	N.A.	Belt Guard
5.	47-072086-003		Motor Pulley Guard

N.A. = No Longer Available









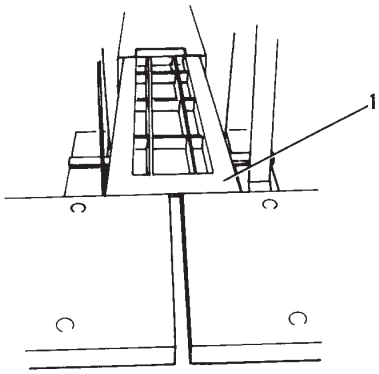
Guards

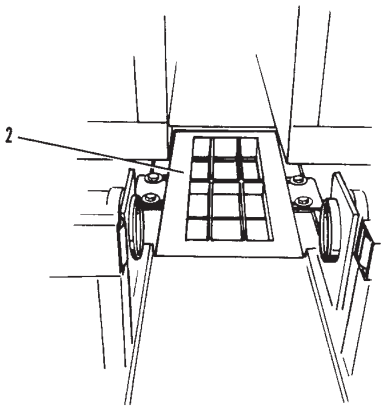
Index No.	Part No.		Description
1.	47-084028-002	N.A.	Catwalk Guard
2.	47-084024-002	N.A.	Ball Return Guard
3.	47-084048-001		Hand Rail
4.	*47-084032-002	N.A.	R.H. Front Cable Channel
	47-084030-002	N.A.	L.H. Front Cable Channel
5.	47-084038-001	N.A.	Kickback Cable Channel
6.	47-084051-000	N.A.	Upper Elevator Guard
7.	*47-084043-001	N.A.	L.H. Lower Elevator Guard
	47-084044-001	N.A.	R.H. Lower Elevator Guard
	47-013990-002		Elevator Rear Guard Assembly (GS-92 or GS-96)
8.	*47-011775-003		Elevator Guard Complete (short)
9.	*47-023923-003	N.A.	Lexan Division Barrier (between machines)

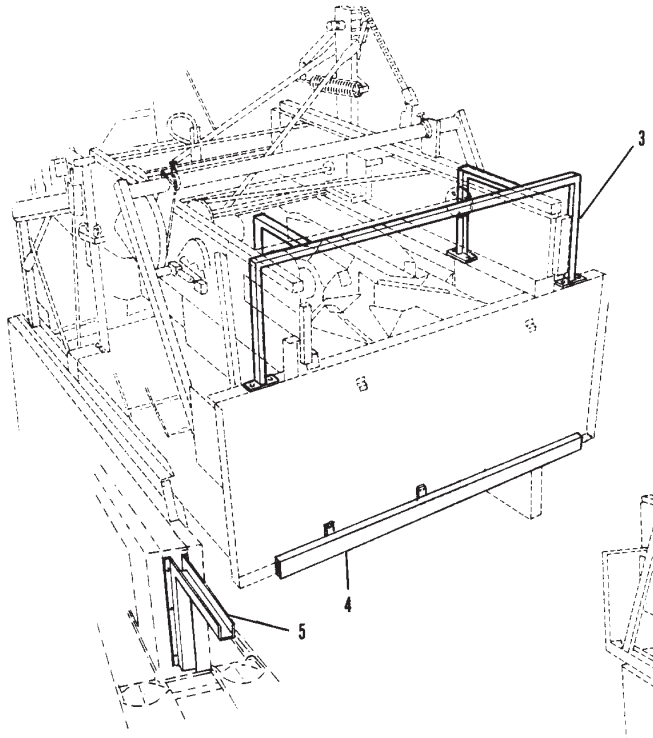
N.A. = No Longer Available

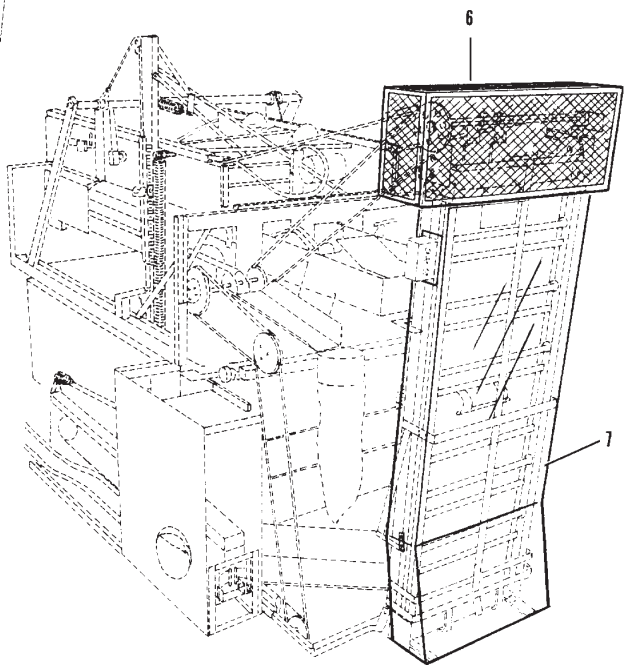
* Not Illustrated

Guards







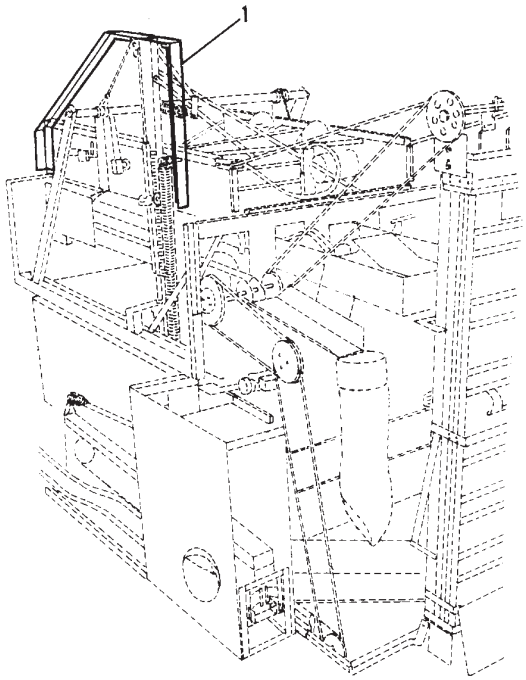


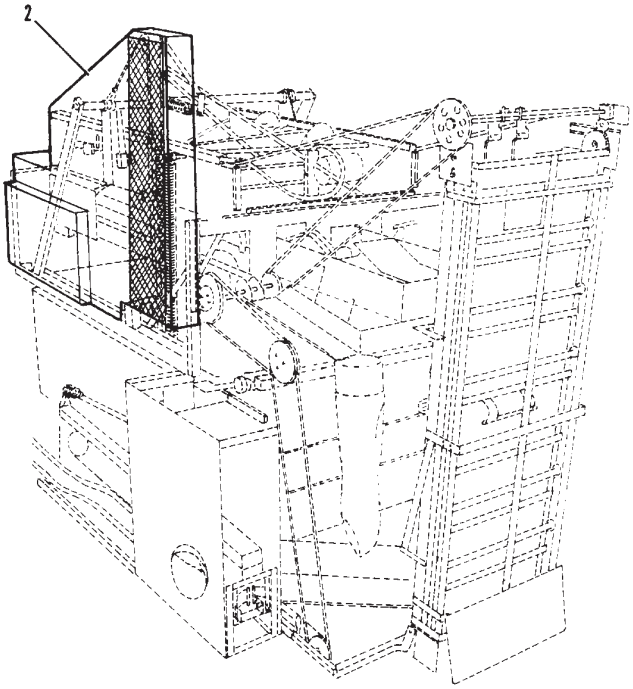
Guards

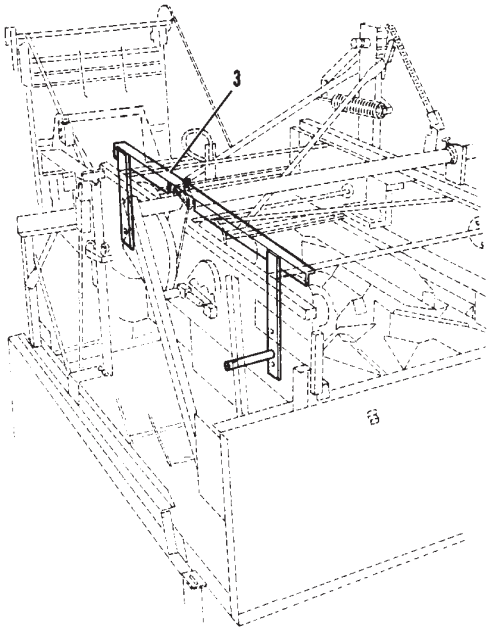
Index No.	Part No.		Description
1.	47-084047-001		Guide Tower Guard Frame
2.	47-084041-001	N.A.	Guide Tower Guard
3.	47-084025-002	N.A.	Left Side Guard Frame
4.	47-084026-002		Stroke Limiter Guard
5.	47-084039-001		Left Side Guard Complete
6.	*47-273879-009	N.A.	Guard Hardware Pkg.

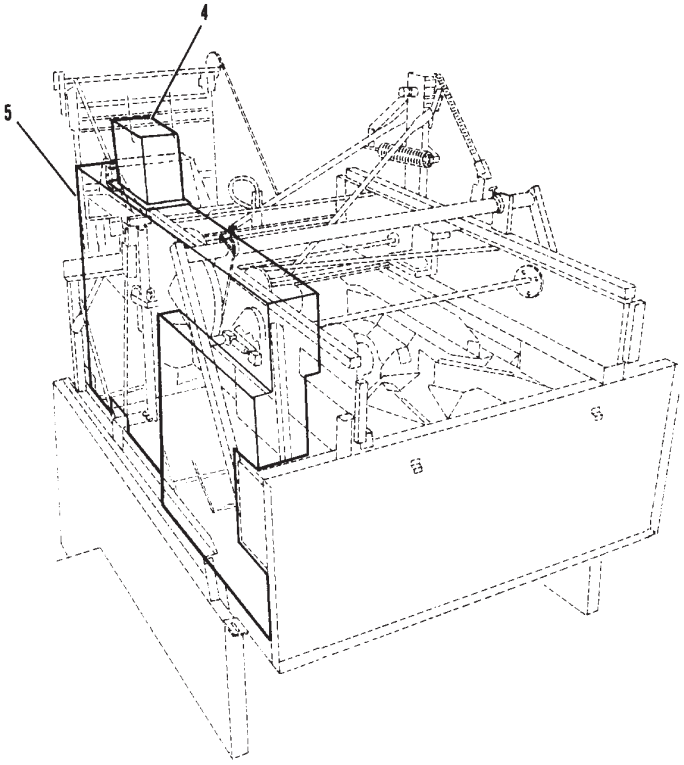
N.A. = No Longer Available

* Not Illustrated









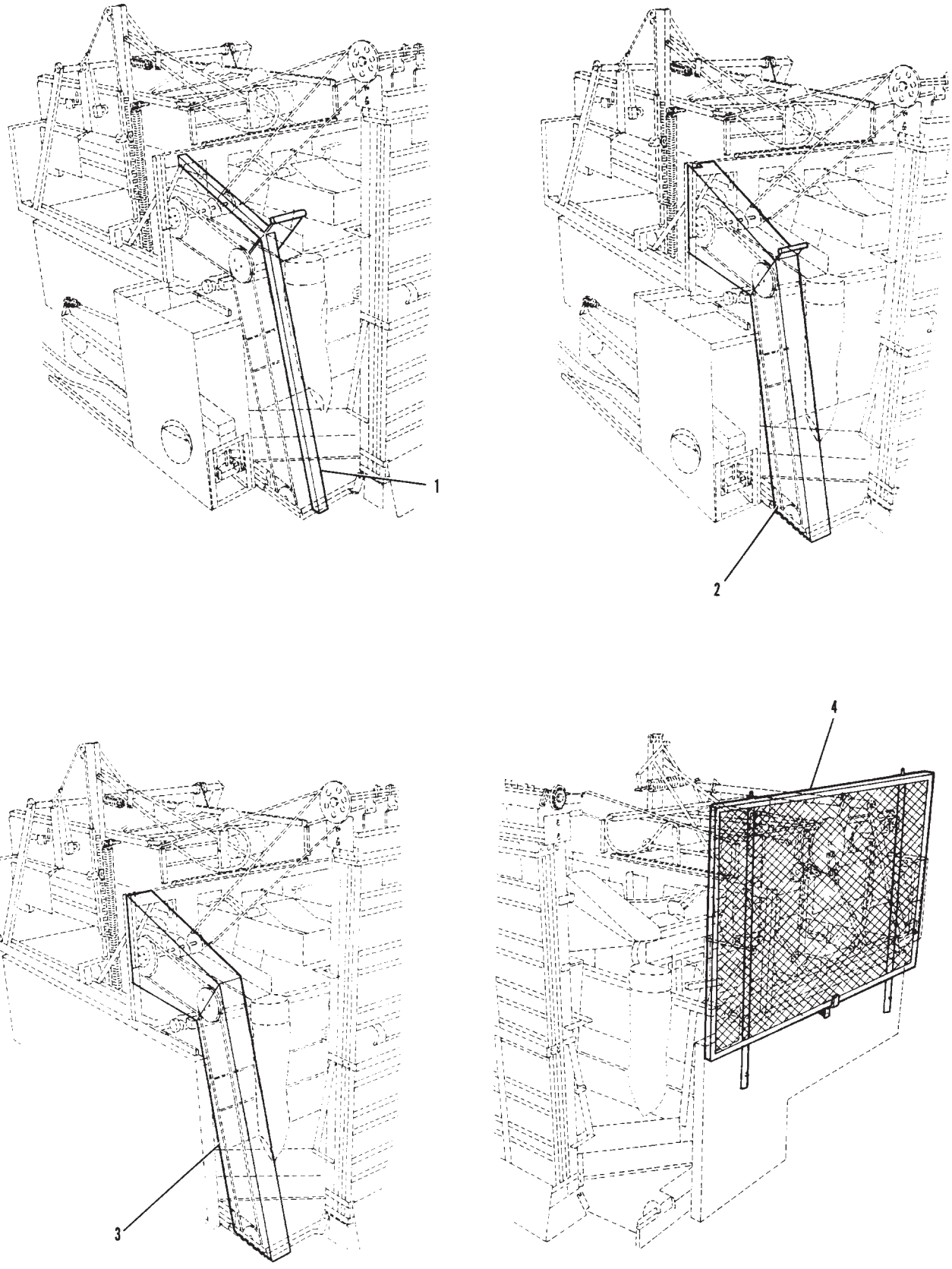
Guards

Index No.	Part No.		Description
1.	*47-084050-001	N.A.	Pulley Guard Frame
	47-084049-001	N.A.	Pulley Guard Frame
2.	47-084046-001	N.A.	Pulley Guard (ball return)
3.	47-084045-001		Pulley Guard (division)
4.	47-084033-002		Side Guard Complete (end machine)

N.A. = No Longer Available

* Not Illustrated

GS-10 Long Pit Guards

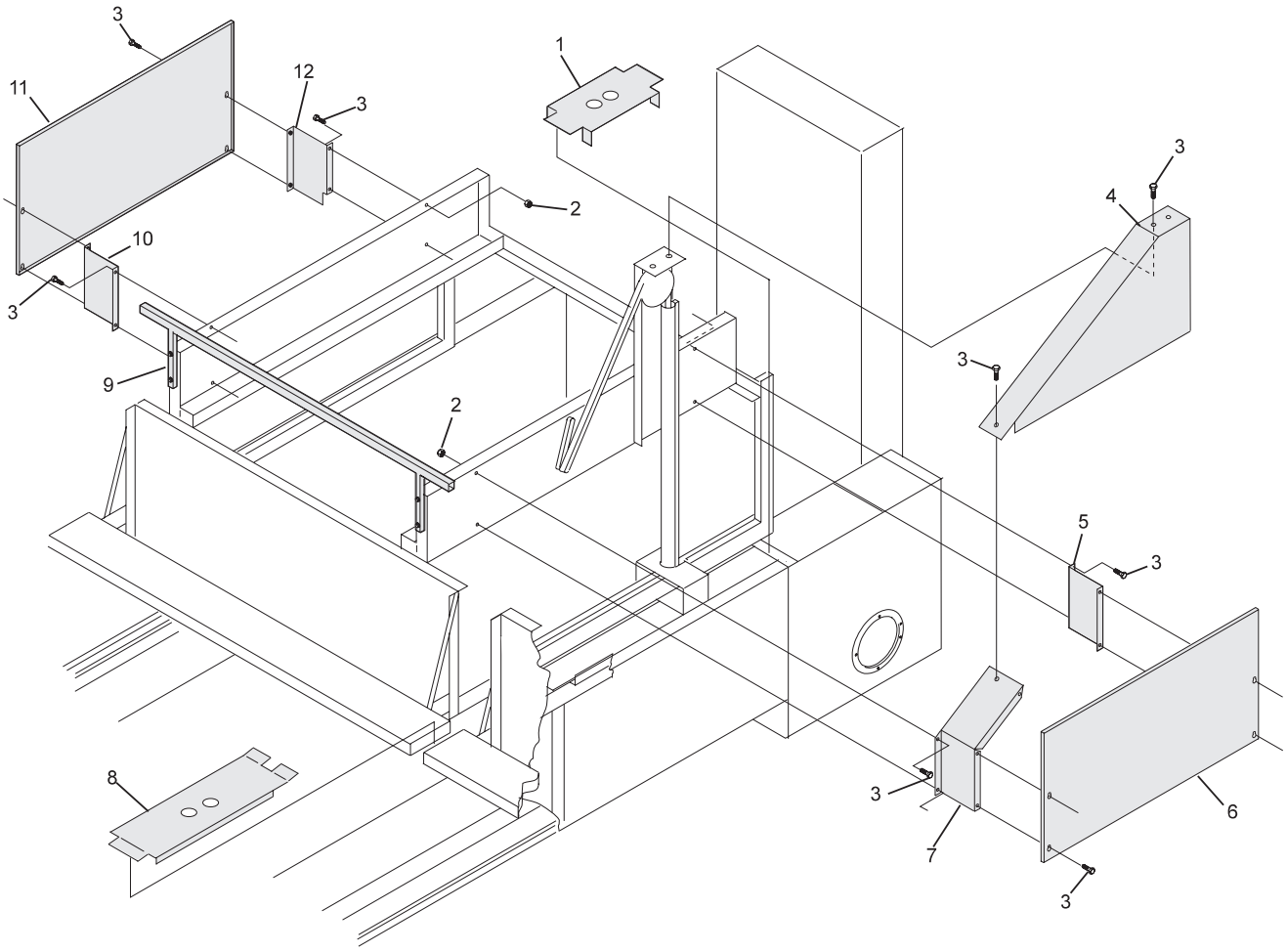


GS-10 Long Pit Guards

Index No.	Part No.		Description
1.	47-084935-003		Accelerator Cover
2.	11-051744-001		Locknut (M8)
3.	11-051038-001		Metric Hex Head Cap Screw (18 mm x 16 mm)
4.	47-084938-002	N.A.	Top Cover
5.	N.A.	N.A.	R.H. Rear Support
6.	47-084937-002	N.A.	Side Cover
7.	N.A.	N.A.	L.H. Front Support
8.	47-084936-003	N.A.	Walk Cover
	47-085973-000	R.O.	Walkway Bridge
9.	47-084930-003	N.A.	Hand Rail
10.	N.A.	N.A.	L.H. Front Support
11.	47-084937-002	N.A.	Side Cover
12.	N.A.	N.A.	L.H. Rear Support

N.A. = No Longer Available

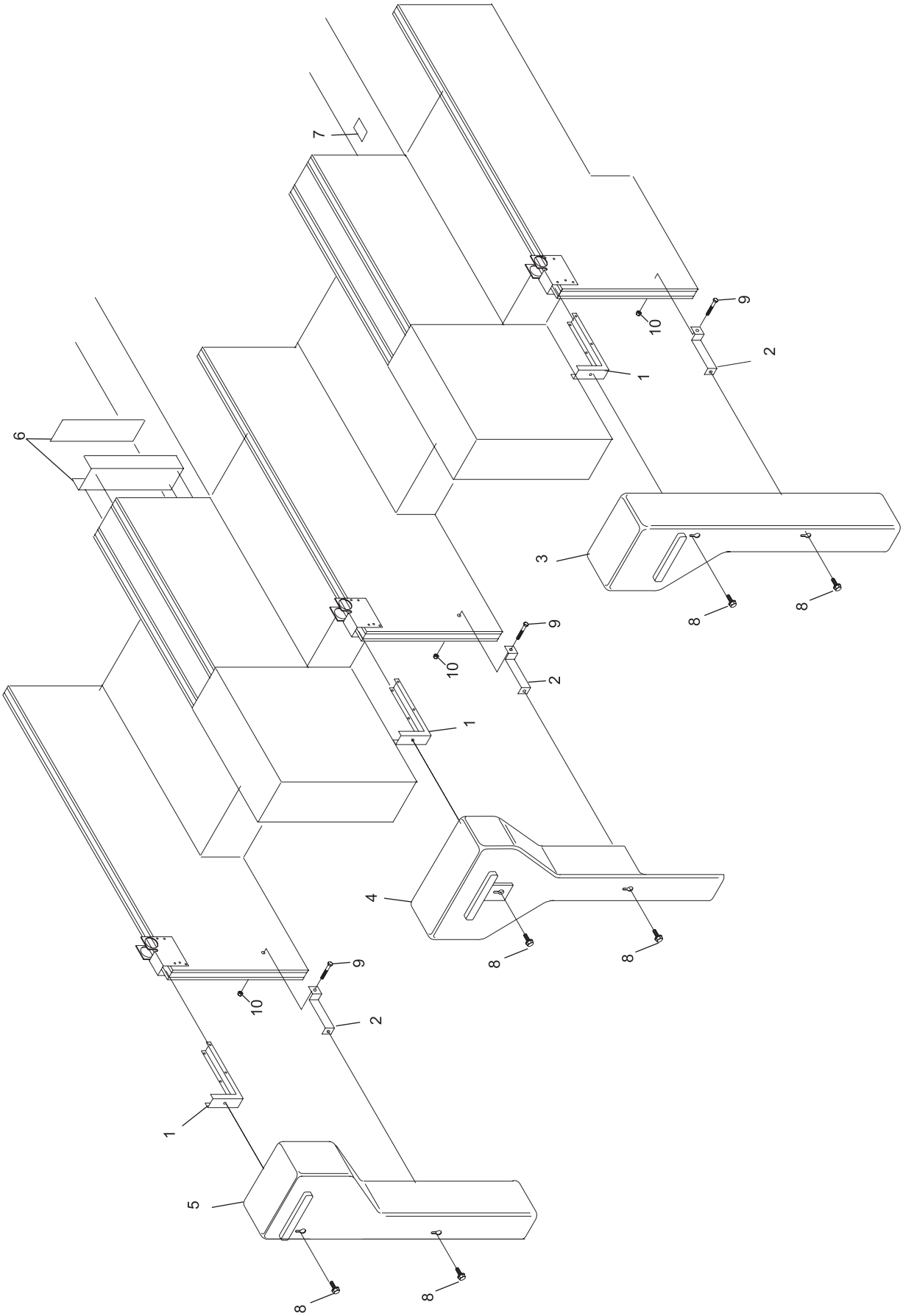
C-Guards



C-Guards

Index No.	Part No.	Description
1.	47-085312-003	Angle Bracket
2.	47-085313-003	Lower Bracket
3.	47-085182-003	Guard, left-end (from the foul line)
4.	47-085189-003	Guard, Double (common kickback)
5.	47-085191-003	Guard, right-end (from the foul line)
6.	47-084958-004	Cable Channel and Cover Assembly
7.	47-084950-004	Warning Label (Ball Detect)
8.	11-055101-001	Hex Head Cap Screw (9 mm x 20 mm)
9.	11-051013-001	Hex Head Cap Screw (10 mm x 90 mm)
10.	11-051745-001	Locknut (10 mm)

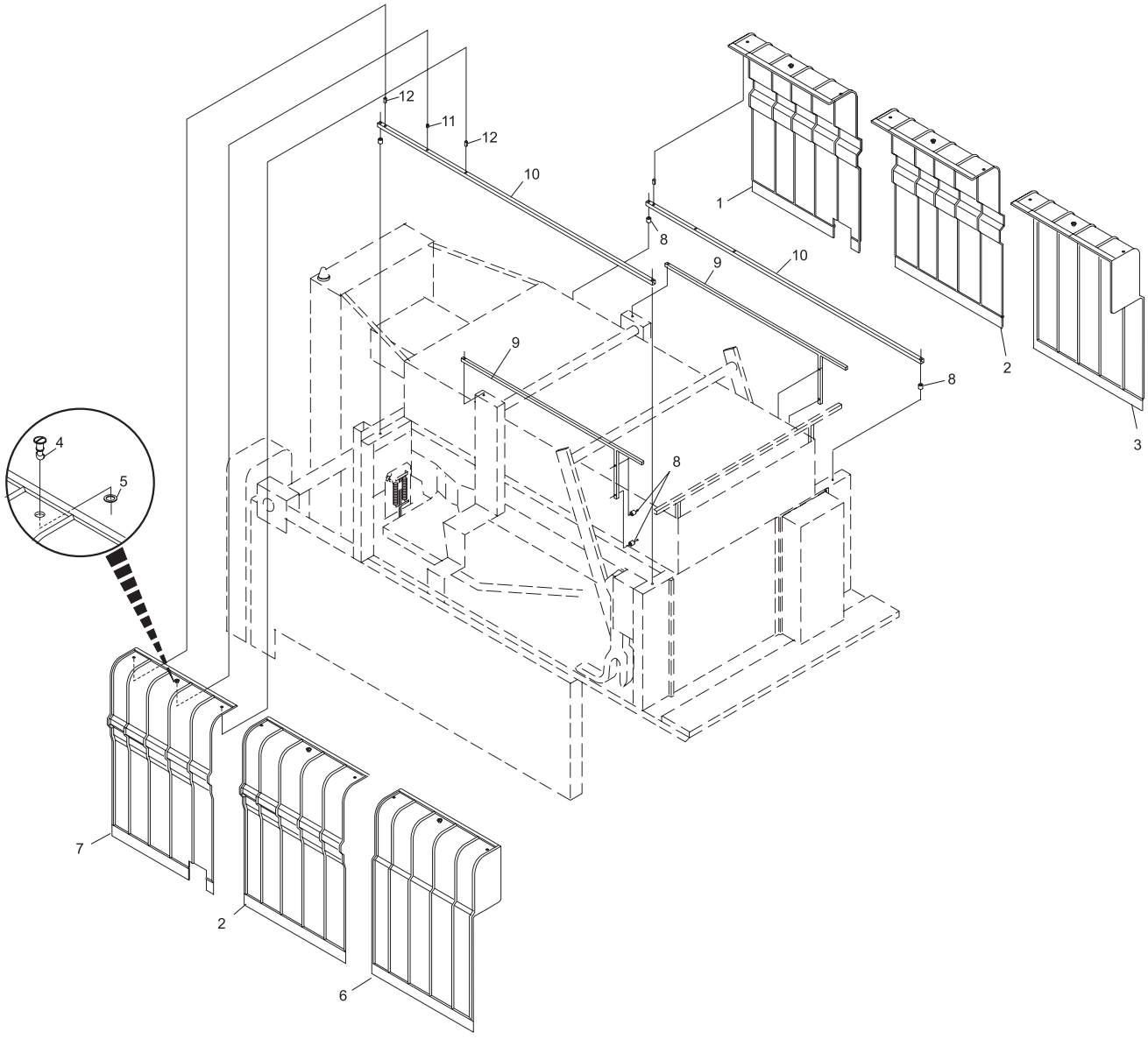
V-Belt Guard
Base/Fixed



V-Belt Guard
Base/Fixed

Index No.	Part No.		Description
1.	47-085571-009		R.H. Rear Guard - Complete
2.	47-085570-009		Middle Guard - Complete
3.	47-085574-009		R.H. Front Guard - Complete
4.	47-085550-004	N.A.	1/4 Turn Fastener Slotted Pan Head
	11-056201-000	R.O.	1/4 Turn Fastener Pan Head w/Internal Hex Drive
5.	47-085499-004		Retaining Ring
6.	47-085573-009		L.H. Front Guard - Complete
7.	47-085572-009		L.H. Rear Guard - Complete
8.	47-085490-004		Spacer
9.	47-085569-009		Guard Rail
10.	47-085492-004		Guard Support
11.	47-085498-004		1/4 Turn Receptacle
12.	11-052689-001	N.A.	Roll Pin (8 mm x 30 mm)

N.A. = No Longer Available
R.O. = Replacement Option



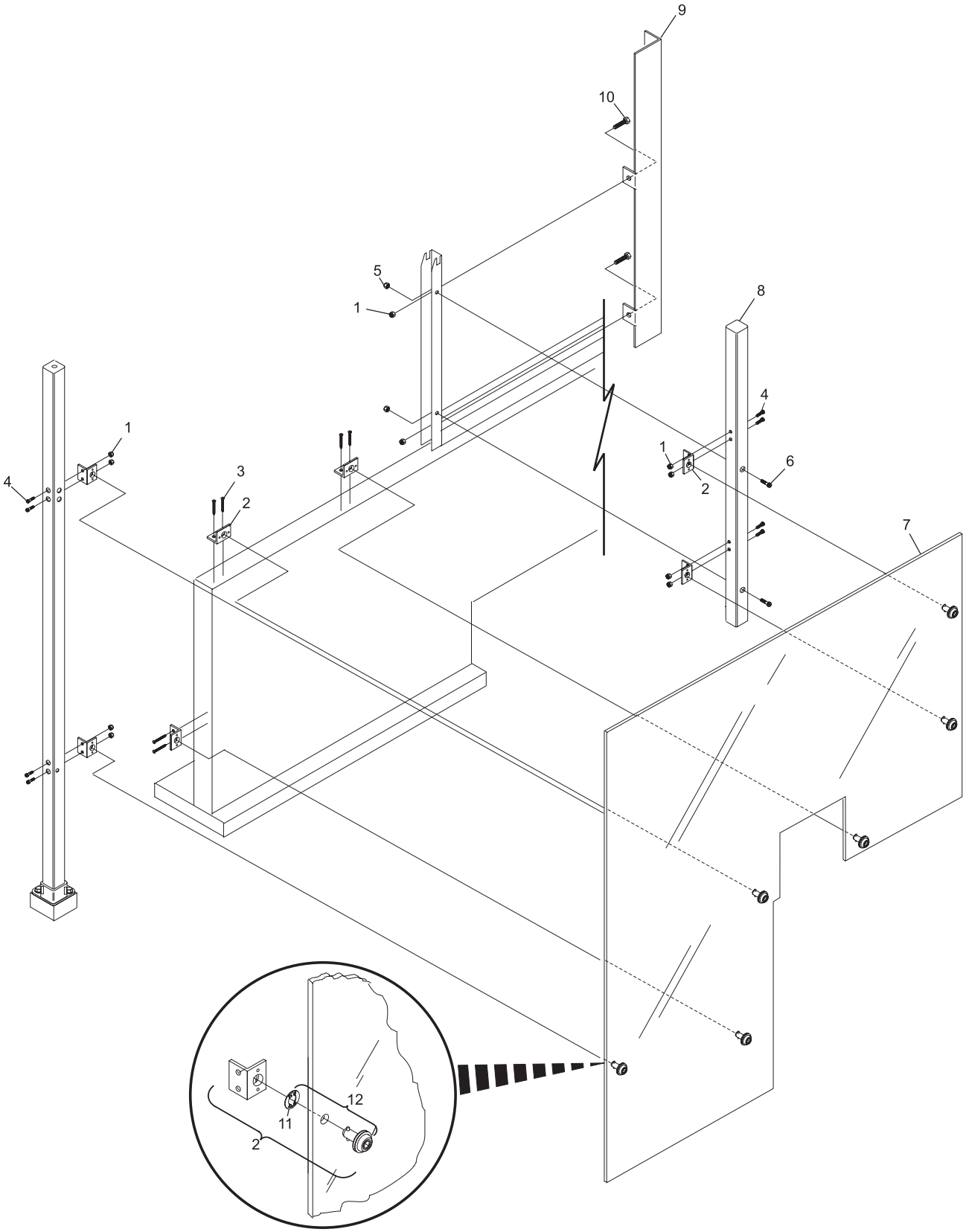
Base/Fixed
GS-X Machine Guards
(Machine Series 443 and Above)

Index No.	Part No.		Description
1.	11-051744-001		Lock Nut (8 mm)
2.	47-013952-004		Quick Lock Assembly (includes Fastener, Retainer and Bracket)
3.	11-053308-001	N.A.	Wood Screw (6mm x 30 mm)
4.	11-051550-001	N.A.	Socket Head Cap Screw (8 mm x 16 mm)
5.	11-051743-001		Lock Nut (6 mm)
6.	11-051514-001		Socket Head Cap Screw (6 mm x 16 mm)
7.	47-085825-003		Side Rear Guard - (Clear)
8.	47-085828-003	N.A.	R.H. Support Pole
	*47-085837-003	N.A.	L.H. Support Pole
9.	47-085840-003	N.A.	R.H. Frame Extension
	*47-085839-003	N.A.	L.H. Frame Extension
	*47-085784-009	R.O.	Extension Frame for Lane Pair Pkg.
10.	11-051041-001		Hex Head Cap Screw (8 mm x 35 mm)
11.	47-086163-009		Retainer (Pkg. of 10)
12.	47-086165-009		Quick Lock Internal Hex Drive Pan Head Fastener w/Retainer (replaces Slotted Hex Head Fastener)

N.A. = No Longer Available
R.O. = Replacement Option

* *Not Illustrated*

Base/Fixed
End Lane/Post Row Side Guards

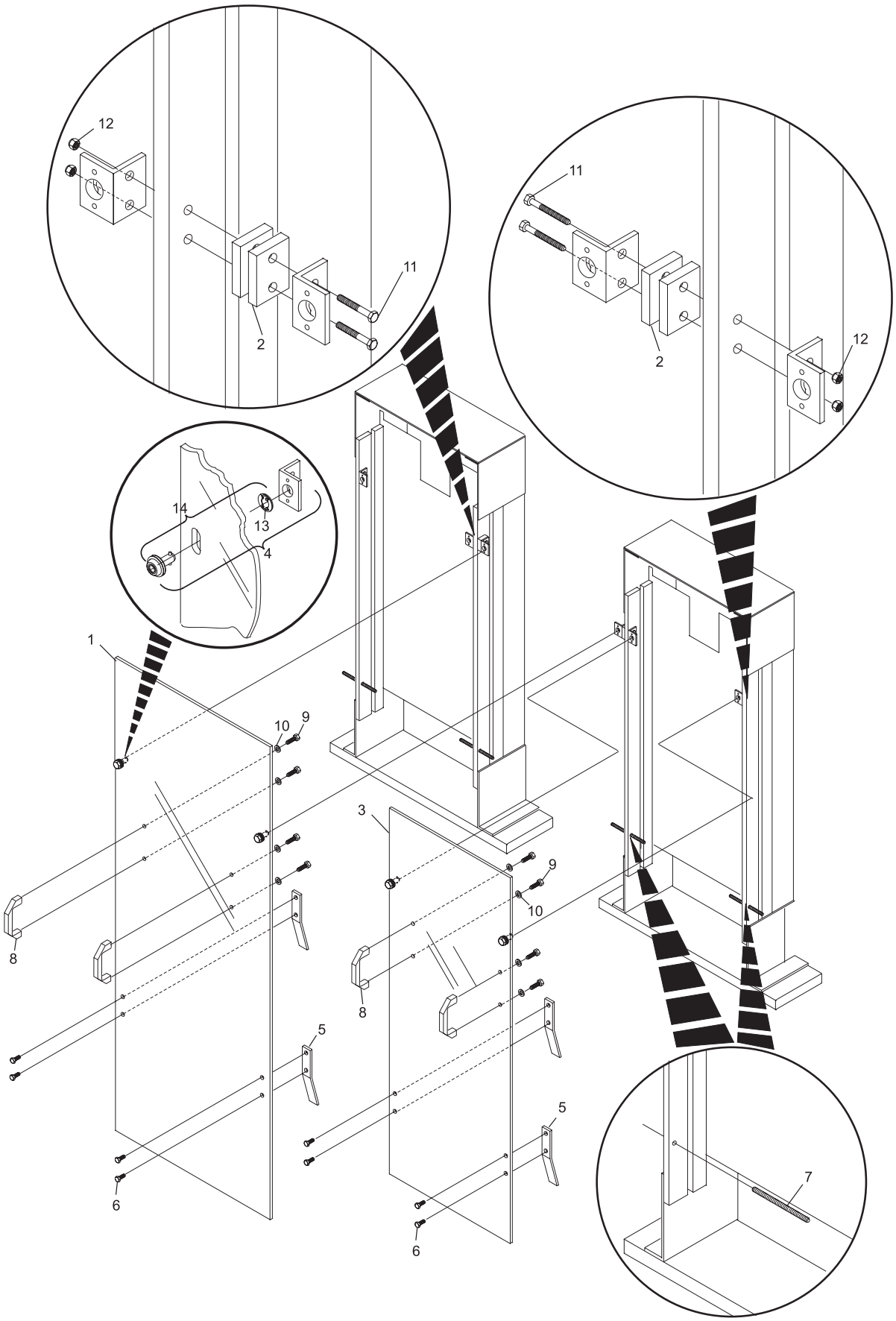


Base/Fixed
End Lane/Post Row Side Guards

Index No.	Part No.		Description
1.	47-085821-003	S.O.	Division Guard - (Clear)
2.	47-085829-004	N.A.	Shim
3.	47-085822-003	S.O.	Elevator Guard - (Clear)
	47-013990-002		Elevator Guard - (Solid Gray)
4.	47-013952-004		Quick Lock Assembly (includes Fastener, Retainer and Bracket)
5.	47-013651-004	N.A.	Mounting Clip
6.	11-054451-000		Self Tapping Screw (6 mm x 10 mm)
7.	11-054425-000		Slotted Set Screw (M8 x 80 mm)
8.	47-085826-009		Handle Pkg. (includes index Nos. 9 & 10)
9.	11-051035-001		Hex Head Cap Screw (6 mm x 16 mm)
10.	11-052037-001		Flat Washer (6.4)
11.	11-051011-001		Hex Head Cap Screw (8 mm x 50 mm)
12.	11-051744-001		Lock Nut (8 mm)
13.	47-086163-009		Retainer (Pkg. of 10)
14.	47-086165-009		Quick Lock Internal Hex Drive Pan Head Fastener w/Retaining Ring

N.A. = No Longer Available
S.O. = Special Order

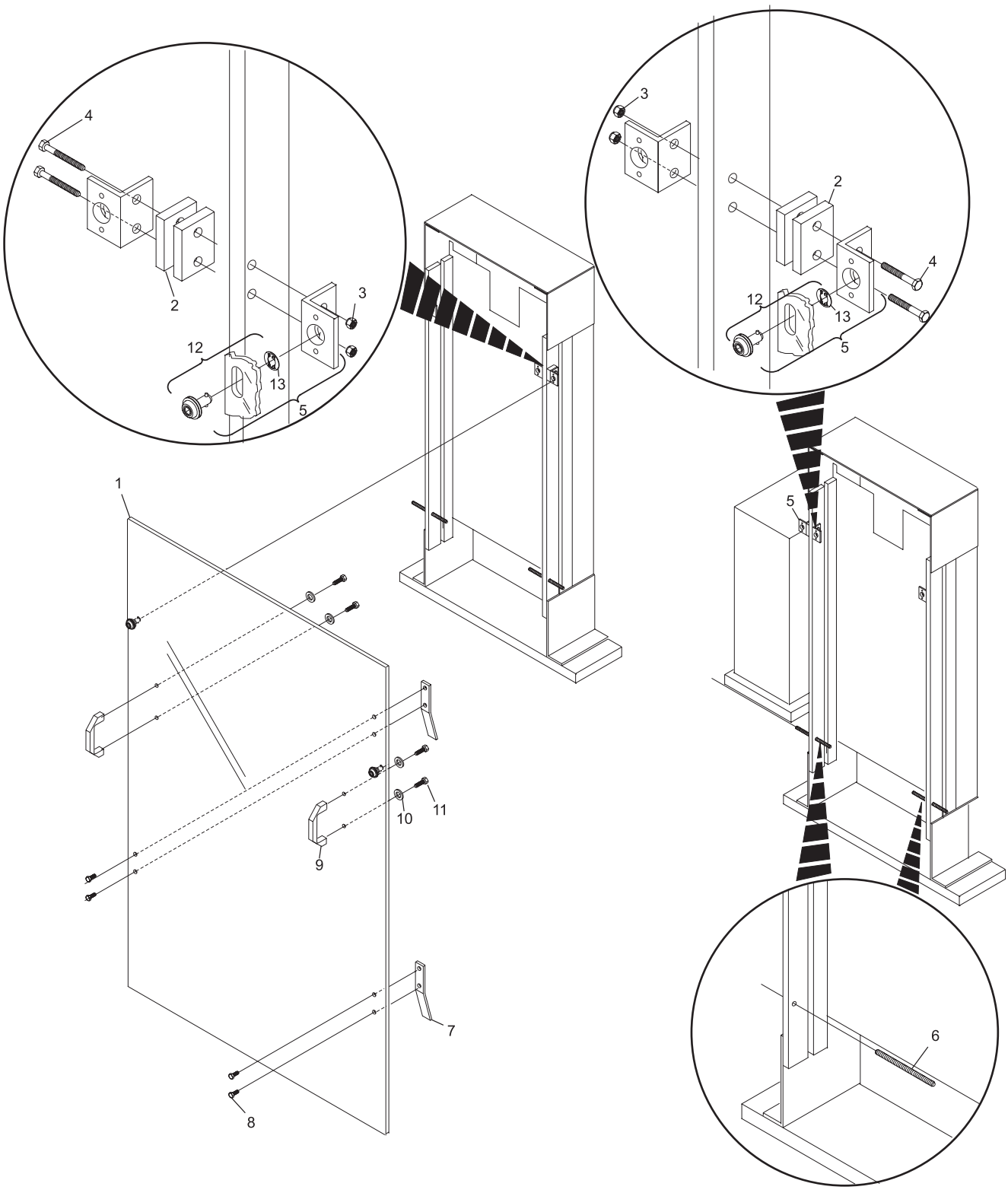
Base/Fixed
Division/Elevator Guards



Base/Fixed
Division/Elevator Guards

Index No.	Part No.		Description
1.	47-085820-003	N.A.	Ball Return Guard (Clear)
2.	47-085829-004	N.A.	Shim
3.	11-051744-001		Lock Nut (8 mm)
4.	11-051011-001		Hex Head Cap Screw (8 mm x 50 mm)
5.	47-013952-004		Quick Lock Assembly (includes Bracket, Fastener and Retainer)
6.	11-054425-000		Slotted Set Screw (M8 x 80 mm)
7.	47-013651-004	N.A.	Mounting Clip
8.	11-054451-000		Self Tapping Screw (6 mm x 10 mm)
9.	47-085826-009		Handle Pkg. (included index Nos. 10 & 11)
10.	11-052037-001		Flat Washer (6.4 x 18)
11.	11-051035-001		Hex Head Cap Screw (6 mm x 16 mm
12.	47-086165-009		Quick Lock Internal Hex Drive Pan Head Fastener w/Retaining Ring
13.	47-086163-009		Retainer (Pkg. of 10)

N.A. = No Longer Available

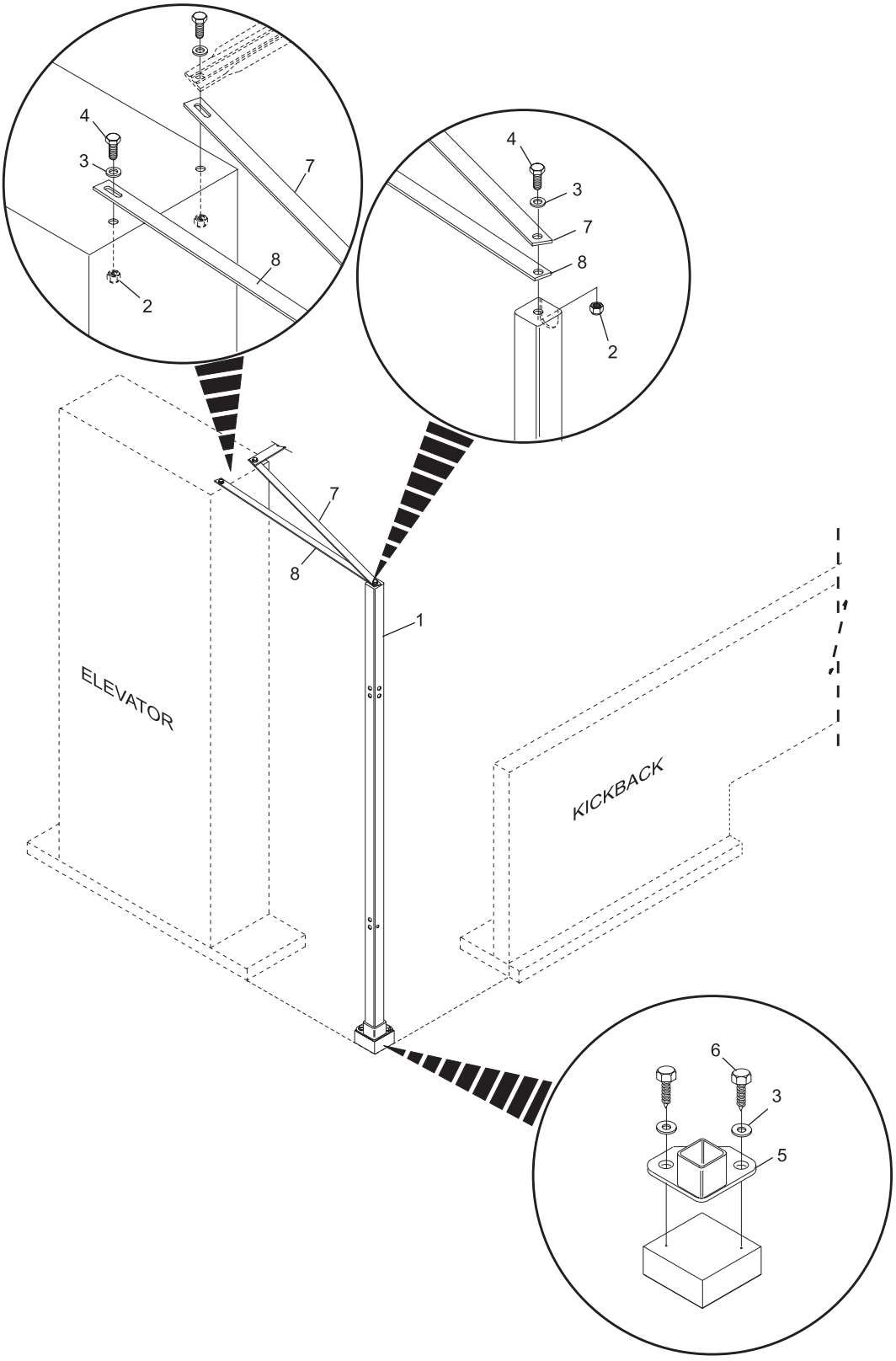


Fixed
Ball Return Guards

Index No.	Part No.		Description
1.	47-085834-003	N.A.	R.H. Support Pole Guard
	47-085838-003	N.A.	L.H. Support Pole Guard
2.	11-051744-001		Lock Nut (8 mm)
3.	11-052019-001		Flat Washer (8.4)
4.	11-053305-001	N.A.	Hex Head Cap Screw (8 mm x 40 mm)
5.	47-085835-003	N.A.	Support Block
6.	11-051015-001		Hex Head Lag Screw (8 mm x 25 mm)
7.	47-085833-003	N.A.	R.H. Angle Stabilizer Bar (660 mm)
	47-085831-003	N.A.	L.H. Angle Stabilizer Bar (500 mm)
8.	47-085832-003	N.A.	L.H. Straight Stabilizer Bar (610 mm)
	47-085830-003	N.A.	R.H. Straight Stabilizer Bar (450 mm)

N.A. = No Longer Available

Base/Fixed
End Lane/Post Row
Support Pole

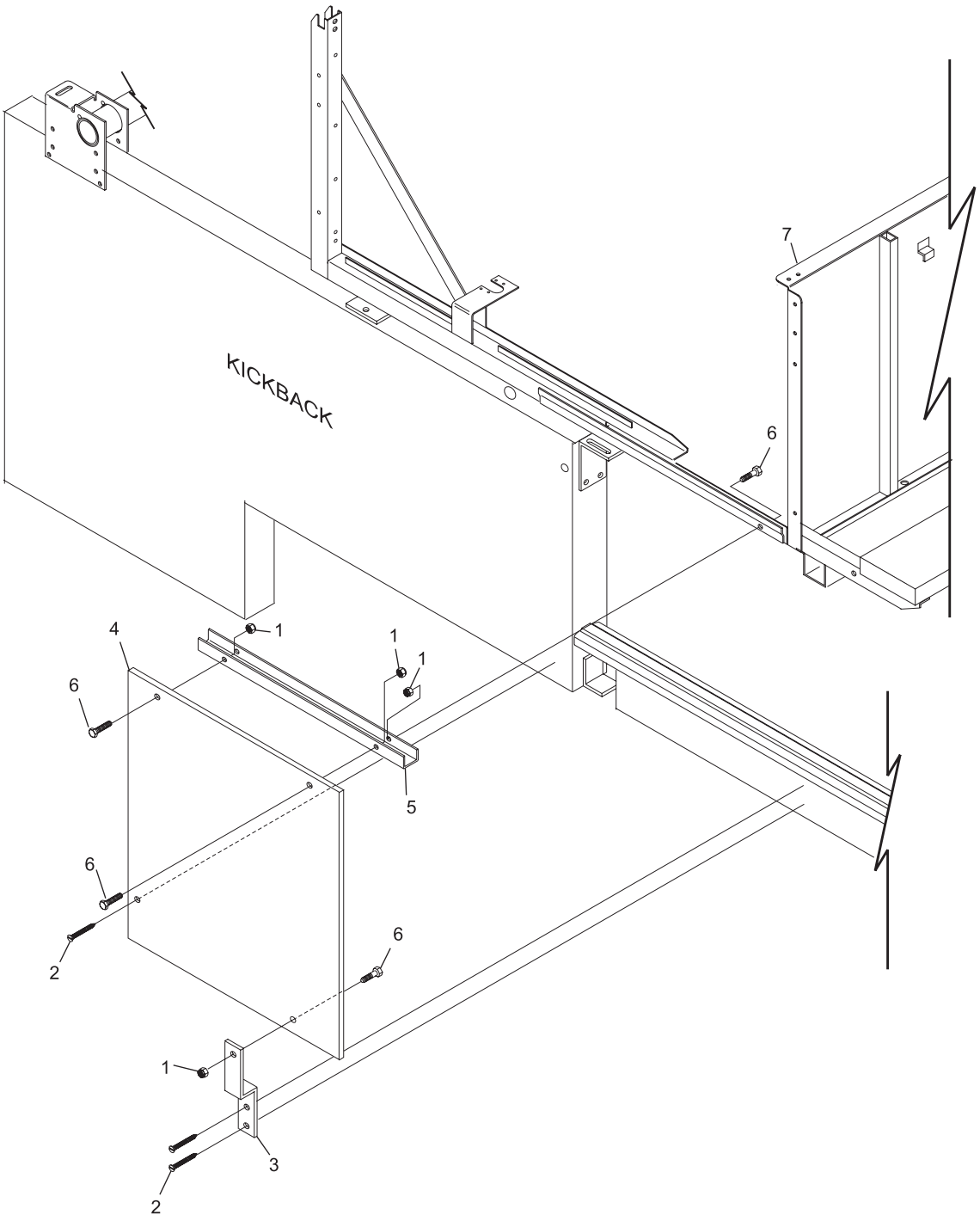


Base/Fixed
End Lane/Post Row
Support Pole

Index No.	Part No.		Description
1.	11-051743-001		Lock Nut (6 mm)
2.	11-054851-001	N.A.	Wood Screw (4.8 mm x 25 mm)
3.	47-085783-004	N.A.	Sweep Guard Plate - Bracket
4.	47-085781-003	S.O.	Sweep Guard (Clear)
5.	47-085782-003	N.A.	Guard Support
6.	11-051035-001		Hex Head Cap Screw (6 mm x 16 mm)
7.	47-085362-002	N.A.	Front Frame Support Assembly

N.A. = No Longer Available
S.O. = Special Order

Base/Fixed Sweep Guard



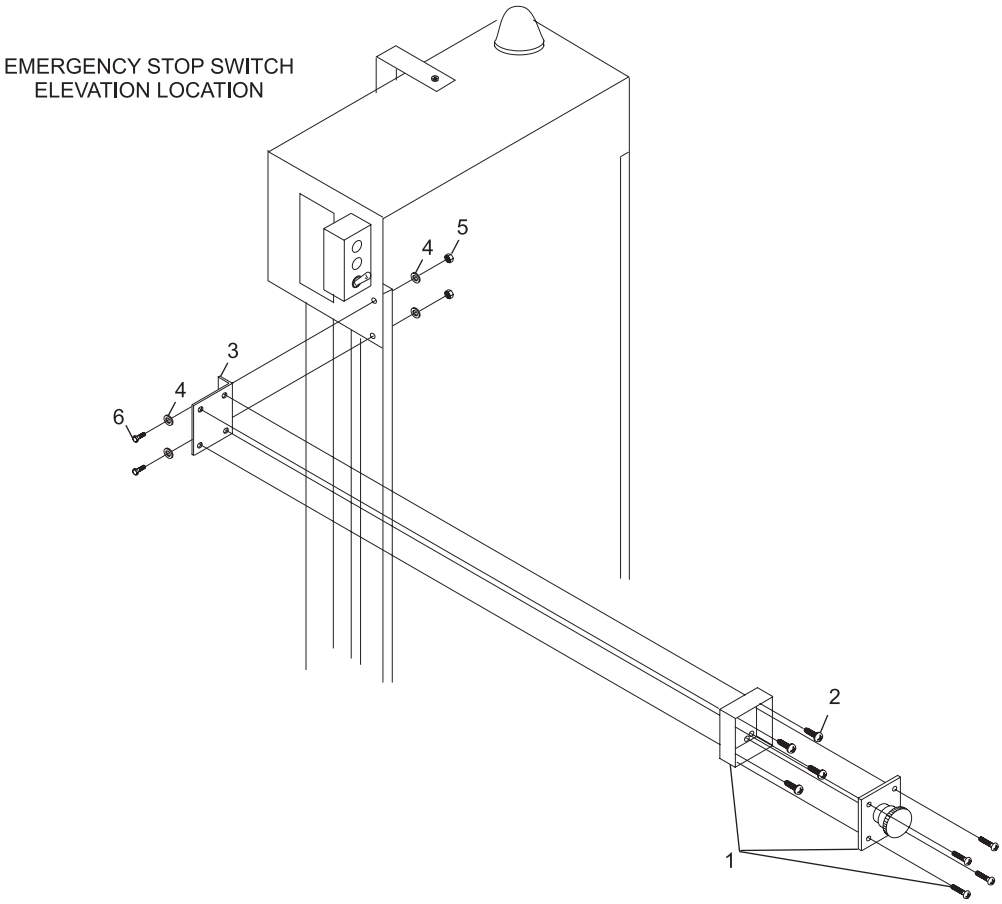
Base/Fixed
Sweep Guard

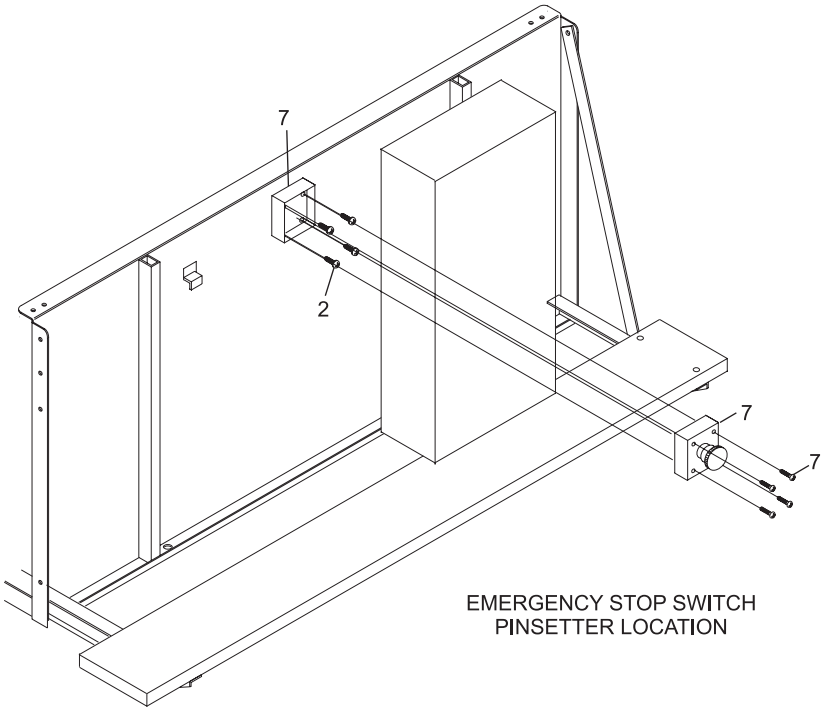
Index No.	Part No.		Description
1.	47-142720-000	N.A.	Rear Emergency Stop Switch Assembly (216')
	47-142871-000	R.O.	Emergency Stop Box Assembly (back of pinsetter)
2.	11-021524-015	N.A.	Self Tappinng Screws (#6-32)
3.	47-142731-000	N.A.	Elevator Emergency Stop Switch Bracket
4.	11-052020-001	N.A.	Flat Washer (5.3)
5.	11-051742-001	N.A.	Lock Nut (5 mm)
6.	11-051027-001	N.A.	Hex Head Cap Screw (5 mm x 40 mm)
7.	47-142719-000	N.A.	Front Emergency Stop Switch Assembly (96")
	*47-142870-000	R.O.	Emergency Stop Box Assembly (front of pinsetter)

N.A. = No Longer Available
R.O. = Replacement Option

* Not Illustrated

Base/Fixed
Emergency Stop Switch



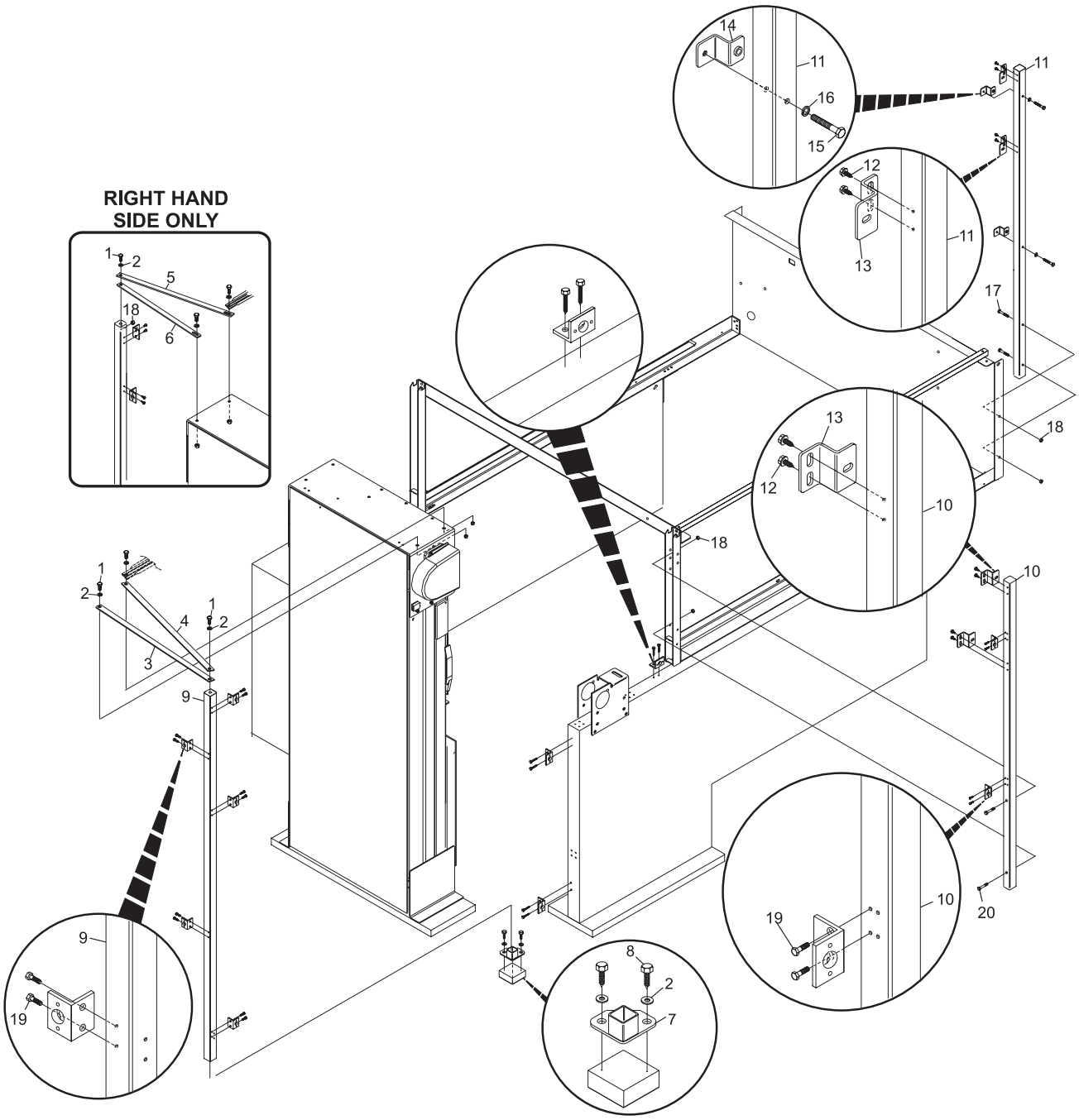


Base/Fixed
Emergency Stop Switch

Index No.	Part No.		Description
1.	11-051015-001		Hex Head Cap Screw (M8 x 25 mm)
2.	11-052019-001		Flat Washer (8.4 mm)
3.	47-086034-000	N.A.	Stabilizer (575 mm)
4.	47-086035-000	N.A.	Stabilizer (615 mm)
5.	47-085831-003	N.A.	Stabilizer (500 mm)
6.	47-085830-003	N.A.	Stabilizer (450 mm)
7.	47-085835-003	N.A.	Support Block
8.	11-053305-001	N.A.	Hex Head Lag Screw (M8 x 40 mm)
9.	47-085989-000		Support Post (1.97 m)
10.	47-085987-000		Rear Pinsetter Support Post
11.	47-085988-000		Front Pinsetter Support Post
12.	11-010818-001	N.A.	Self-Tapping Screw (1/4-14 x 1”)
13.	47-085993-000		Division Guard Offset Bracket
14.	47-085994-000	N.A.	Walkway Guard Bracket
15.	11-051014-001		Hex Head Cap Screw (M6 x 45 mm)
16.	11-051769-001		Lockwasher (6 mm)
17.	11-051064-001		Hex Head Cap Screw (M8 x 65 mm)
18.	11-051744-001		Locknut (8 mm)
19.	11-051079-001	N.A.	Hex Head Cap Screw (M8 x 50 mm)
20.	11-081028-001		Self-Tapping Screw (5/16 x 1/2”)

N.A. = No Longer Available

UK Advanced/Advanced
Left & Right Side Machine Guards
Support Posts

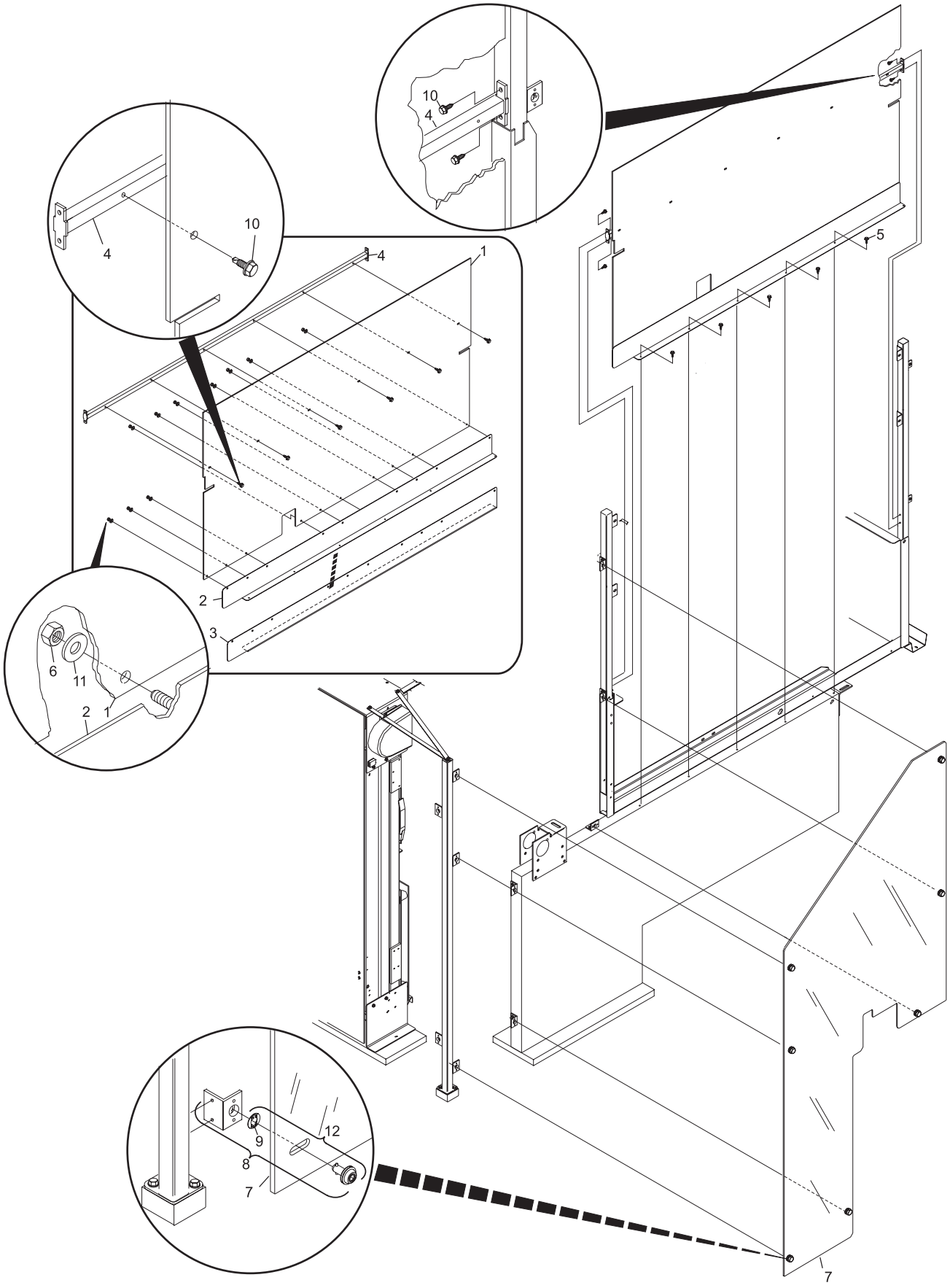


UK Advanced/Advanced
Left & Right Side Machine Guards
Support Posts

Index No.	Part No.		Description
1.	47-085990-000	S.O.	Division Guard
2.	47-085998-000	N.A.	L.H. End Guard Support
3.	47-085997-000	N.A.	R.H. End Guard Support
4.	47-086066-009		Support
5.	11-053308-001	N.A.	Hex Head Lag Screw (M6 x 30 mm)
6.	11-051743-001		Locknut (6 mm)
7.	47-085979-000	S.O.	End Lane Guard
8.	47-013952-004		Quick Lock Assembly (includes Fastener, Retainer and Bracket)
9.	47-086163-009		Quick Lock Retainer (Pkg. of 10)
10.	11-010818-001	N.A.	Self Tapping Screw (1/4-14 x 1”)
11.	11-052037-001		Flat Washer (6.4)
12.	47-086165-009		Quick Lock Internal Hex Drive Pan Head Fastener w/Retainer

N.A. = No Longer Available
S.O. = Special Order

UK Advanced/Advanced
Left & Right Side Machine Guards

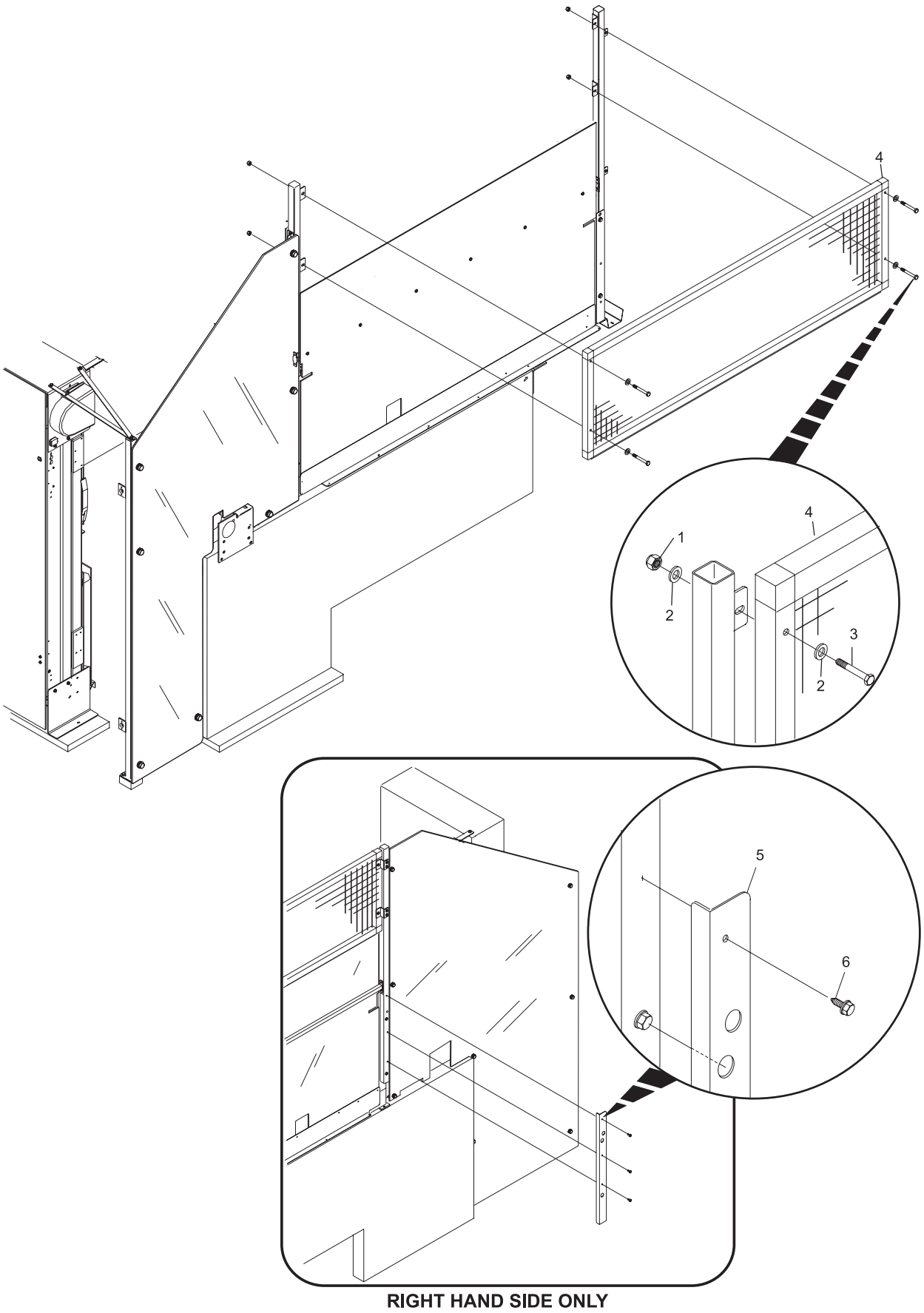


UK Advanced/Advanced
Left & Right Side Machine Guards

Index No.	Part No.		Description
1.	11-051743-001		Locknut (6 mm)
2.	11-052037-001		Flat Washer (6.4)
3.	11-051036-001	N.A.	Hex Head Cap Screw (M6 x 35 mm)
4.	47-085984-000		Upper Division Guard
5.	47-085996-000	N.A.	End Guard Cover - Used On Right Side Only
6.	11-010818-001	N.A.	Self Tapping Screw (1/4-14 x 1”)

N.A. = No Longer Available

UK Advanced/Advanced
Left & Right Side Upper Machine Guards



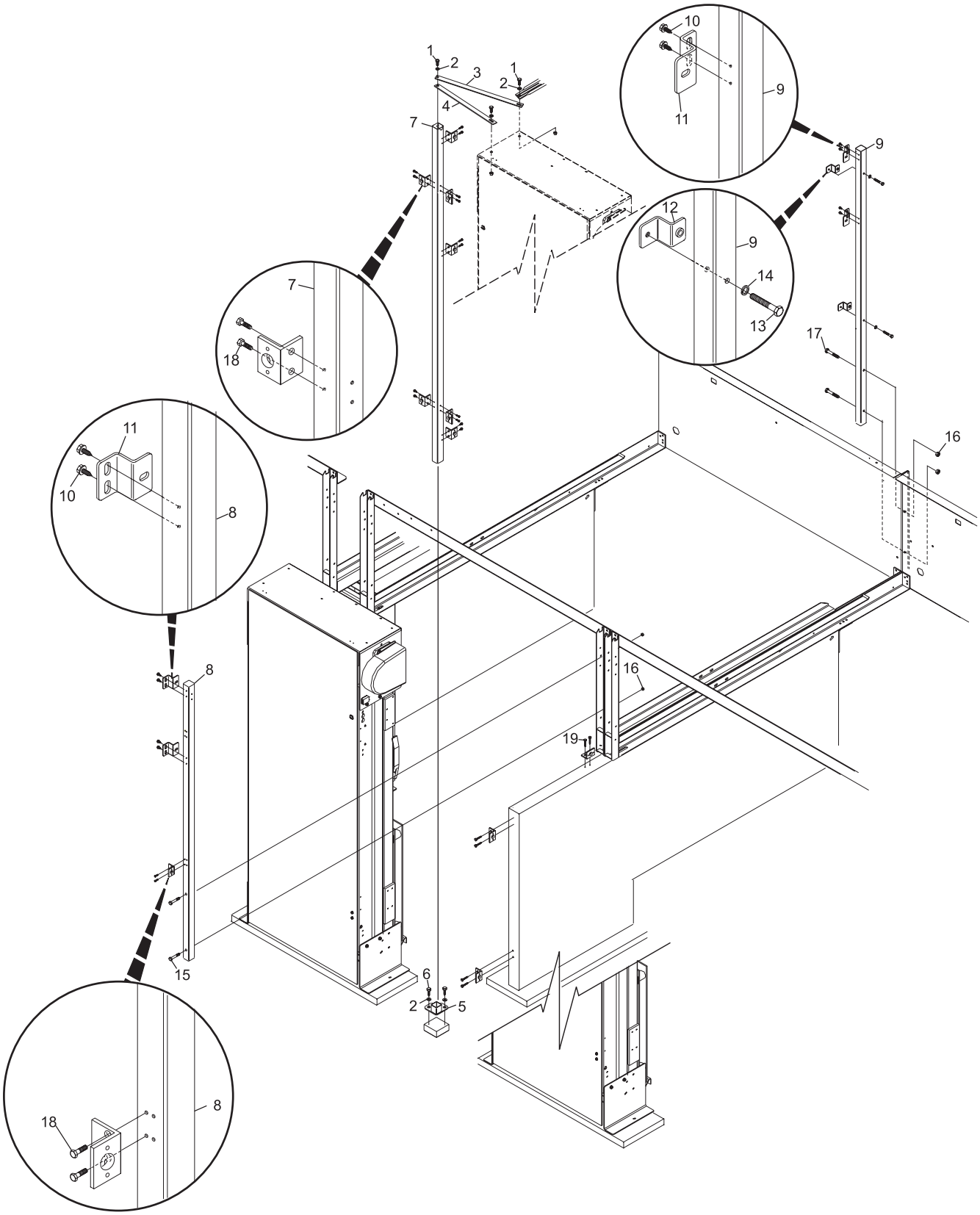
RIGHT HAND SIDE ONLY

UK Advanced/Advanced
Left & Right Side Upper Machine Guards

Index No.	Part No.		Description
1.	11-051015-001		Hex Head Cap Screw (M8 x 25 mm)
2.	11-052019-001		Flat Washer (8.4 mm)
3.	47-085831-003	N.A.	Stabilizer (500 mm)
4.	47-085830-003	N.A.	Stabilizer (450 mm)
5.	47-085835-003	N.A.	Support Block
6.	11-053305-001	N.A.	Hex Head Lag Screw (M8 x 40 mm)
7.	47-085989-000		Support Post
8.	47-085987-000		Rear Pinsetter Support Post
9.	47-085988-000		Front Pinsetter Support Post
10.	11-010818-001	N.A.	Self Tapping Screw (1/4-14 x 1”)
11.	47-085993-000	N.A.	Division Guard Offset Bracket
12.	47-085994-000	N.A.	Walkway Guard Bracket
13.	11-051014-001		Hex Head Cap Screw (6 mm x 45 mm)
14.	11-051769-001		Lockwasher (6 mm)
15.	11-051079-001	N.A.	Hex Head Cap Screw (M8 x 50 mm)
16.	11-051744-001		Locknut (8 mm)
17.	11-051064-001		Hex Head Cap Screw (M8 x 65 mm)
18.	11-053310-001	N.A.	Hex Head Lag Screw (M8 x 30 mm)
19.	11-081028-001	N.A.	Self TappingTapping Screw (5/16 x 1/2”)

N.A. = No Longer Available

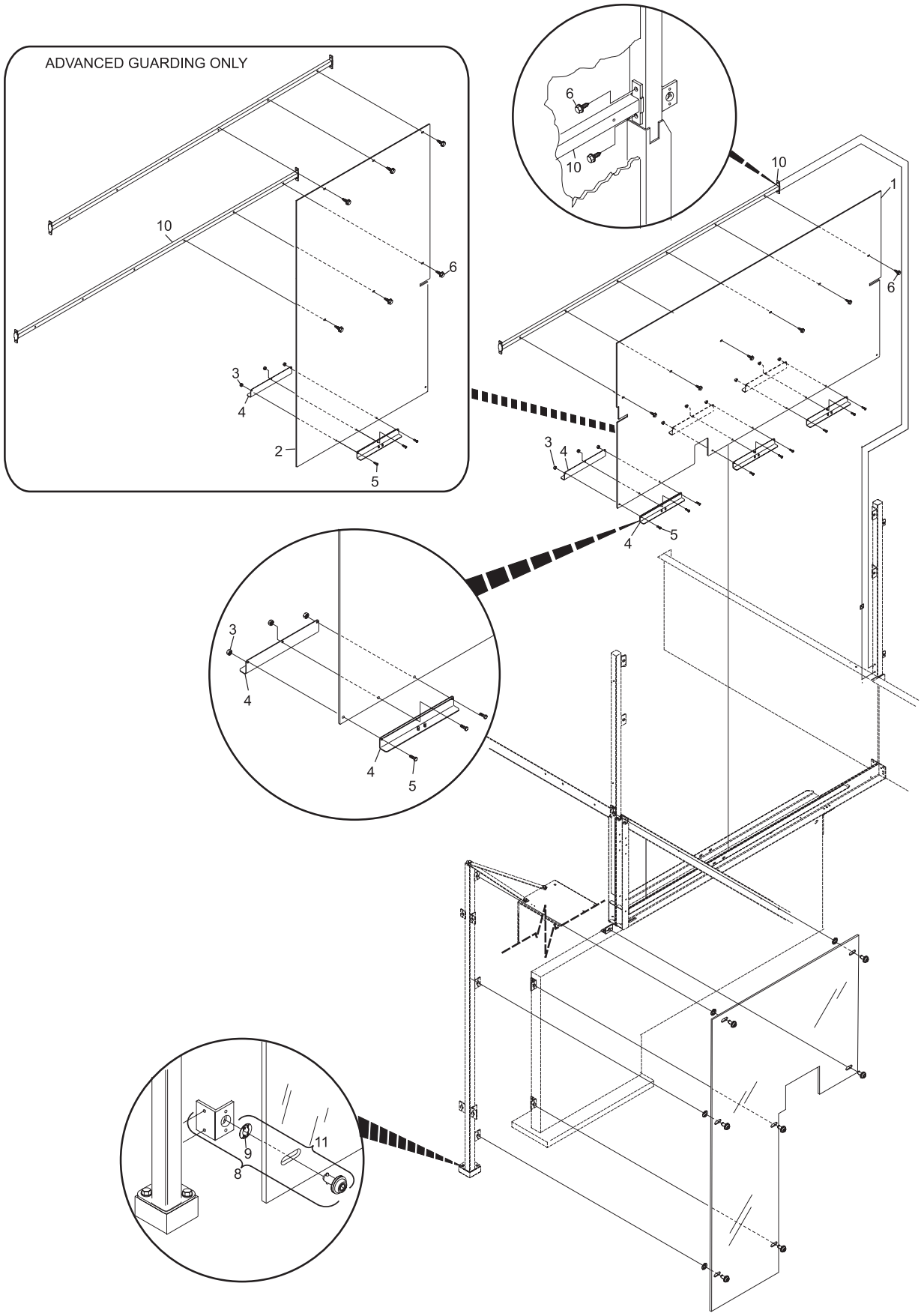
UK Advanced/Advanced Division Support Posts



UK Advanced/Advanced
Division Support Posts

Index No.	Part No.		Description
1.	47-085990-000	S.O.	Division Guard - UK Advanced Guards only
2.	47-086043-000	S.O.	Division Guard - Advanced Guards only
3.	11-051743-001		Locknut (6 mm)
4.	47-085991-000	N.A.	Division Guard Support
5.	11-051018-001		Hex Head Lag Screw (6 mm x 20 mm)
6.	11-010818-001	N.A.	Self Tapping Screw (1/4-14 x 1”)
7.	47-086039-000	S.O.	Elevator Guard
8.	47-013952-004	N.A.	Quick Lock Assembly (inludes Fastener, Retainer and Bracket)
9.	47-086163-009		Quick Lock Retainer Pkg. (Qty. 10)
10.	47-086066-009		Guard Support Tube
11.	47-086165-009		Quick Lock Internal Hex Drive Pan Head Fastener w/Retainer Ring

N.A. = No Longer Available
S.O. = Special Order

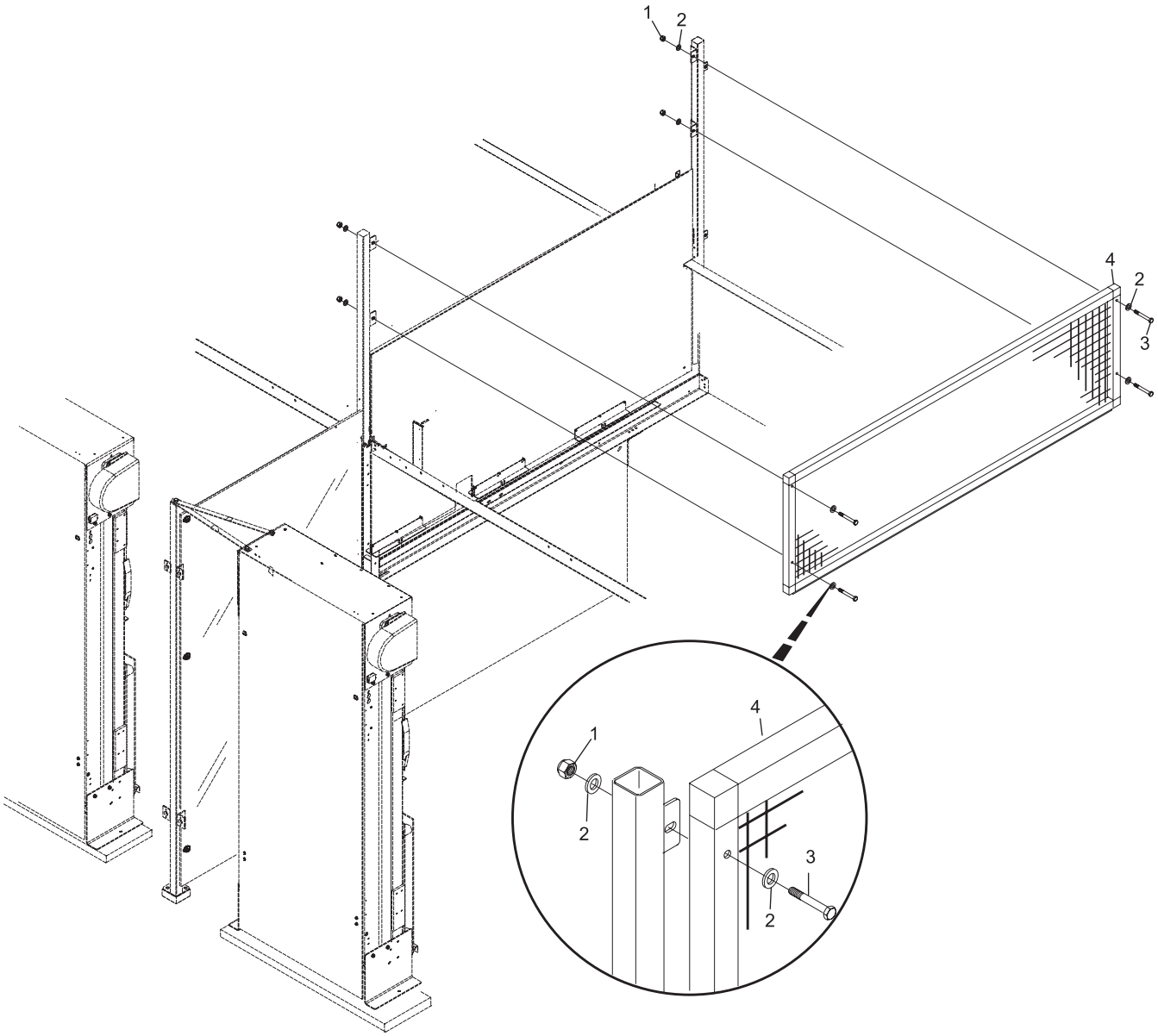


UK Advanced/Advanced
Division Machine Guards

Index No.	Part No.		Description
1.	11-051743-001		Locknut (6 mm)
2.	11-052037-001		Flat Washer (6.4 x 18 mm x 1.6 mm)
3.	11-051036-001	N.A.	Hex Head Cap Screw (M6 x 35 mm)
4.	47-085984-000		Upper Division Guard

N.A. = No Longer Available

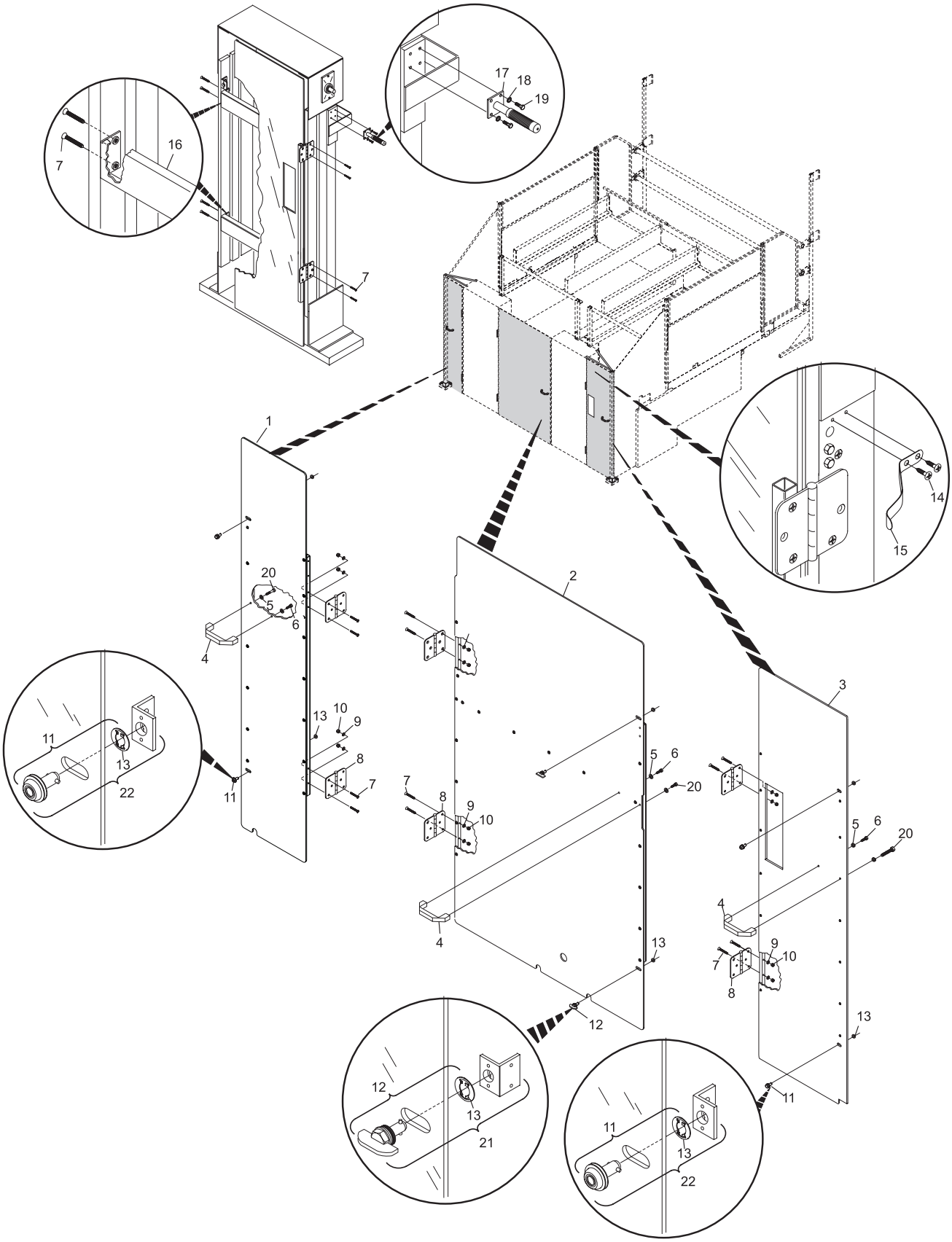
UK Advanced
Upper Division Machine Guards



UK Advanced
Upper Division Machine Guards

Index No.	Part No.		Description
1.	47-086143-009	S.O.	R.H. Rear Hinged Guard
2.	47-086139-009	S.O.	L.H. Rear Hinged Ball Return Guard
3.	47-086142-009	S.O.	L.H. Rear Hinged Guard
4.	47-085826-009		Handle Pkg. (includes Hardware)
5.	11-052037-001		Flat Washer (6.4)
6.	11-051035-001		Hex Head Cap Screw (M6 x 16 mm)
7.	11-052554-000	N.A.	Flat Hd. Machine Screw CR (M5 x 35 mm)
8.	11-077000-000	N.A.	Hinge - 3-1/2” x 3-1/2” Mortise Mount
9.	11-052020-009	N.A.	Flat Washer (5.3 mm)
10.	11-051742-001		Locknut (5 mm)
11.	47-086165-009		Quick Lock Internal Hex Drive Pan Head Fastener w/Retainer Ring
12.	47-086166-009		Quick Lock Blade Hd. Fastener w/Retainer Ring
13.	47-086163-009		Retainer (Qty. 10)
14.	11-040750-001	N.A.	Wood Screw (#9-14 x 3/4”)
15.	47-086147-009		Rear Guard Spring
16.	47-016095-000	N.A.	Hinge Stiffiner
17.	47-086152-009		Pkg. Elevator Handle w/Grip & Hardware (Qty. of 2)
18.	11-051770-001		Lockwasher (8 mm)
19.	11-051010-001	N.A.	Hex Hd. Cap Screw (M8 x 20 mm)
20.	11-051036-001		Hex Hd. Cap Screw (M6 x 35 mm)
21.	47-016014-009		Quick Lock Assemby (includes Blade Hd. Fastener, Retainer and Bracket)
22.	47-013952-004		Quick Lock Assemby (includes Internal Hex Drive Hd. Fastener, Retainer and Bracket)

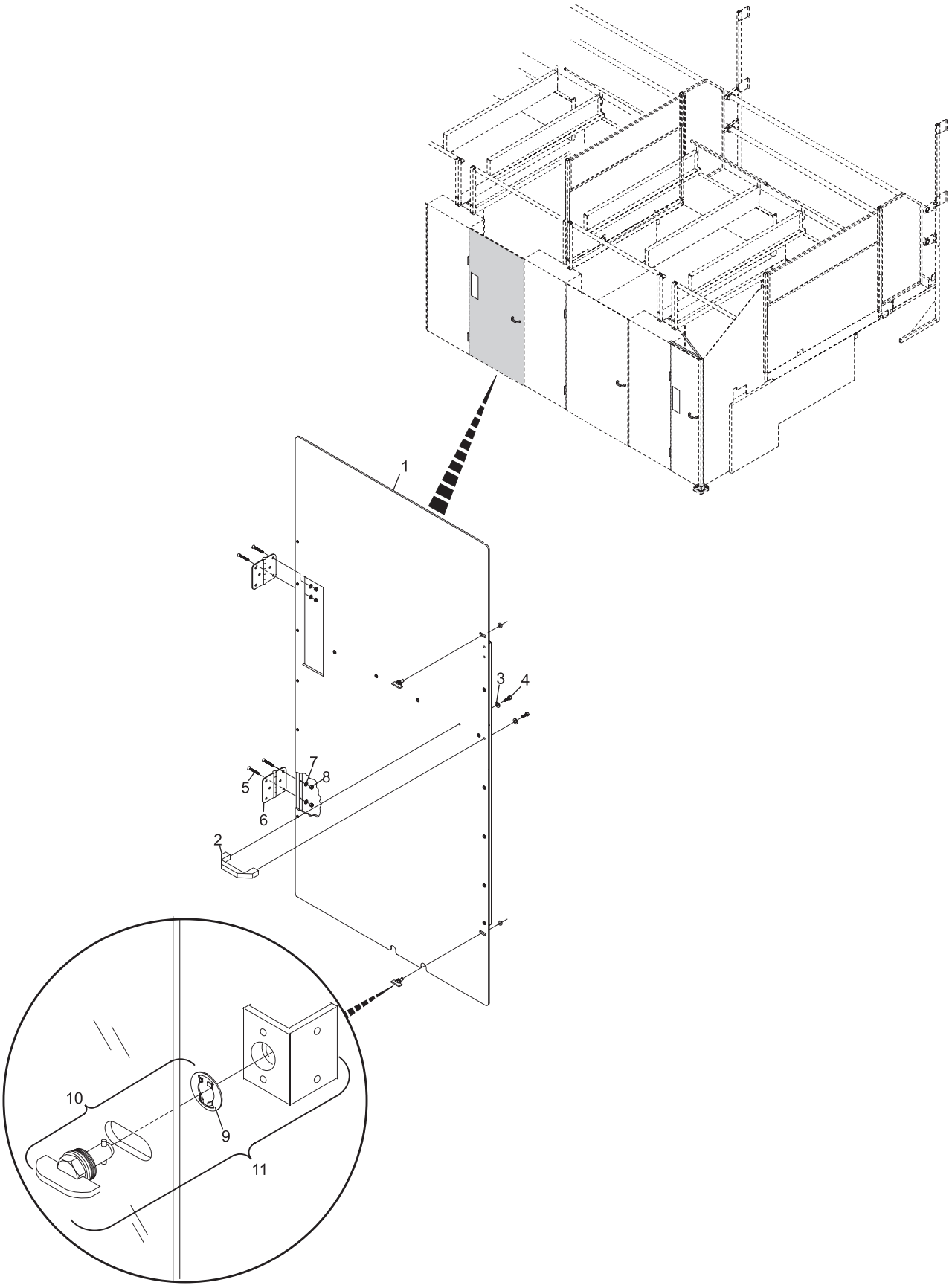
N.A. = No Longer Available
S.O. = Special Order



UK Advanced/Advanced
Rear Hinged Machine Guards

Index No.	Part No.		Description
1.	47-086144-009	S.O.	Rear Division Hinged Guard
2.	47-085826-009		Handle Pkg. (includes Hardware)
3.	11-052037-001		Flat Washer (6.4)
4.	11-051035-001		Hex Head Cap Screw (M6 x 16 mm)
5.	11-052554-001	N.A.	Flat Hd. Machine Screw CR (M5 x 35 mm)
6.	11-077000-000	N.A.	Mortise Mount Hinge (3-1/2” x 3-1/2”)
7.	11-052020-001		Flat Washer (5.3 mm)
8.	11-051742-001		Locknut (5 mm)
9.	47-086163-009		Quick Lock Retainer (Qty. 10)
10.	47-086166-009		Quick Lock Blade Hd. Fastener w/Retainer Ring
11.	47-016014-009		Quick Lock Assemby (includes Blade Hd. Fastener, Retainer and Bracket

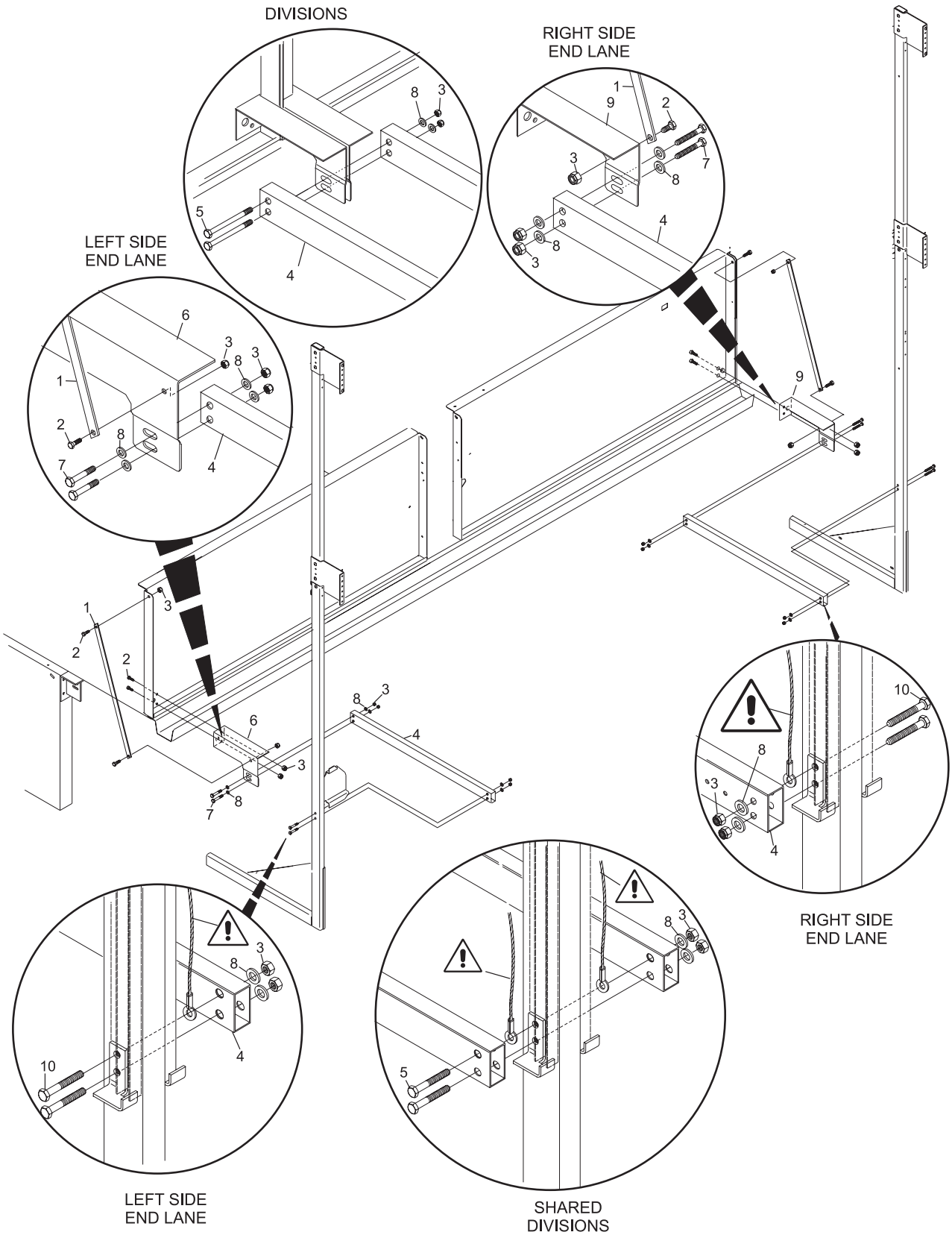
N.A. = No Longer Available
S.O. = Special Order



Advanced
Rear (Division) Hinged Machine Guards

Index No.	Part No.		Description
1.	47-083659-004	N.A.	Support Strap (592 mm)
2.	11-051015-001		Hex Head Cap Screw (M8 x 25 mm)
3.	11-051744-001		Locknut (8 mm)
4.	47-085857-000	N.A.	Support
5.	11-051047-001	N.A.	Hex Head Cap Screw (M8 x 100 mm)
6.	47-085854-000	N.A.	L.H. Platform Support Bracket
7.	11-051079-001	N.A.	Hex Head Cap Screw (M8 x 50 mm)
8.	11-052019-001		Flat Washer (8.4 mm)
9.	47-085855-000	N.A.	R.H. Platform Support Bracket
10.	11-051025-001		Hex Head Cap Screw (M8 x 70 mm)

N.A. = No Longer Available

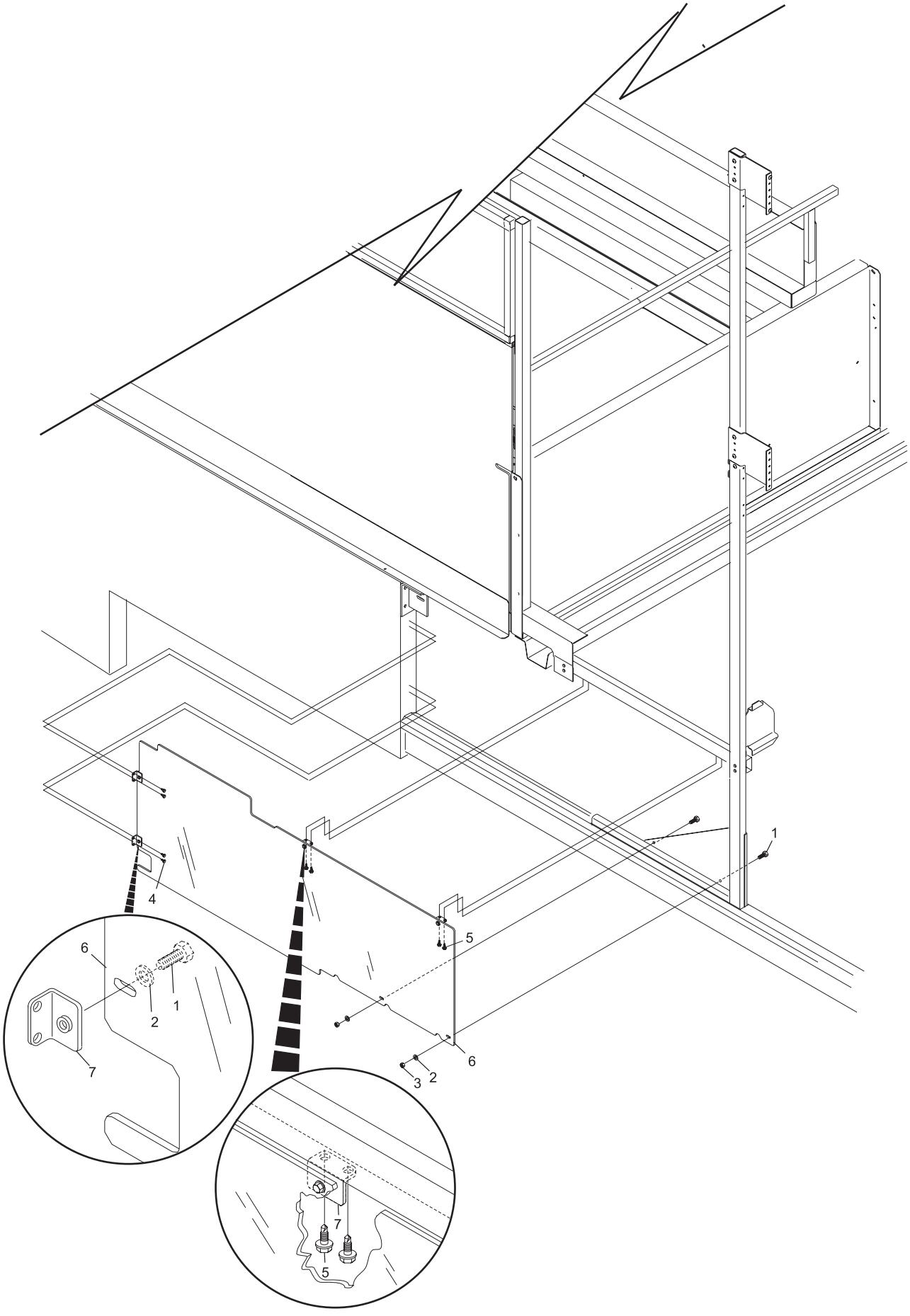


UK Advanced/Advance with Walkway
Walkway Support

Index No.	Part No.		Description
1.	11-051018-001		Hex Head Cap Screw (M6 x 20 mm)
2.	11-052037-001		Flat Washer (6.4)
3.	11-051743-001		Locknut (6 mm)
4.	11-053308-001	N.A.	Hex Head Lag Screw (M6 x 30 mm)
5.	11-010818-001	N.A.	Self Tapping Screw (1/4-14 x 1”)
6.	47-085999-000	S.O.	Sweep Guard
7.	47-085992-000	N.A.	Tension Bracket

N.A. = No Longer Available
S.O. = Special Order

UK Advanced/Advance w/Walkway
Sweep Guard

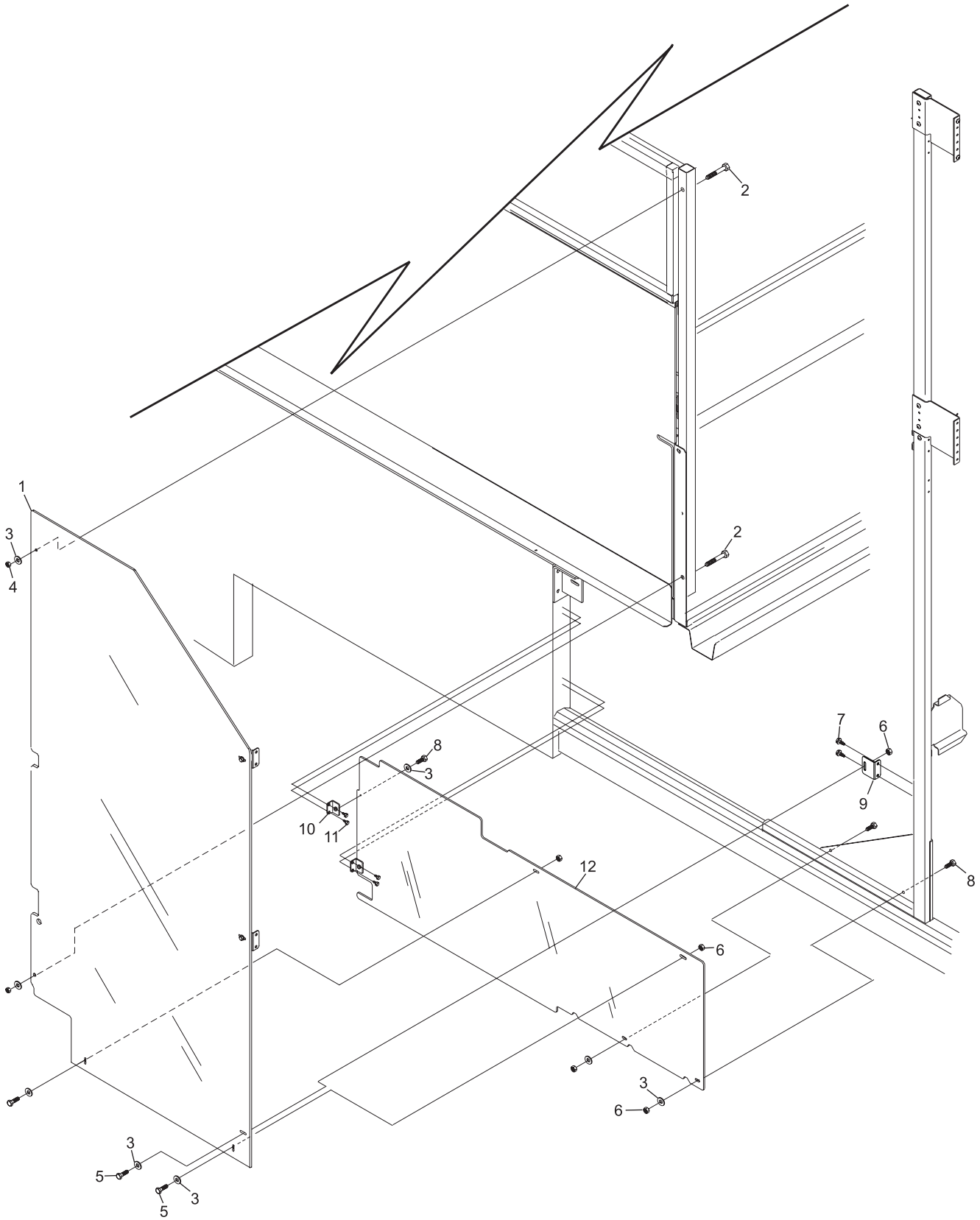


UK Advanced/Advance w/Walkway
Sweep Guard

Index No.	Part No.		Description
1.	47-086044-000	S.O.	Masking Unit Guard - Advanced w/o Walkway
2.	11-051014-001		Hex Head Cap Screw (M6 x 45 mm)
3.	11-052037-001		Flat Washer (6.4 x 18 mm x 1.6 mm)
4.	11-051702-001		Hex Nut (6 mm)
5.	11-051028-001		Hex Head Cap Screw (M6 x 25 mm)
6.	11-051743-001		Locknut (6 mm)
7.	11-010818-001	N.A.	Self Tapping Screw (1/4-14 x 1”)
8.	11-051018-001		Hex Head Cap Screw (6 mm x 20 mm)
9.	47-086050-000	N.A.	ABS Guard Bracket - Advanced w/o Walkway
10.	47-085992-000	N.A.	Tension Bracket
11.	11-053308-001	N.A.	Hex Head Lag Screw (M6 x 30 mm)
12.	47-085999-000	S.O.	Sweep Guard

N.A. = No Longer Available
S.O. = Special Order

Advanced w/o Walkway
Sweep Guard

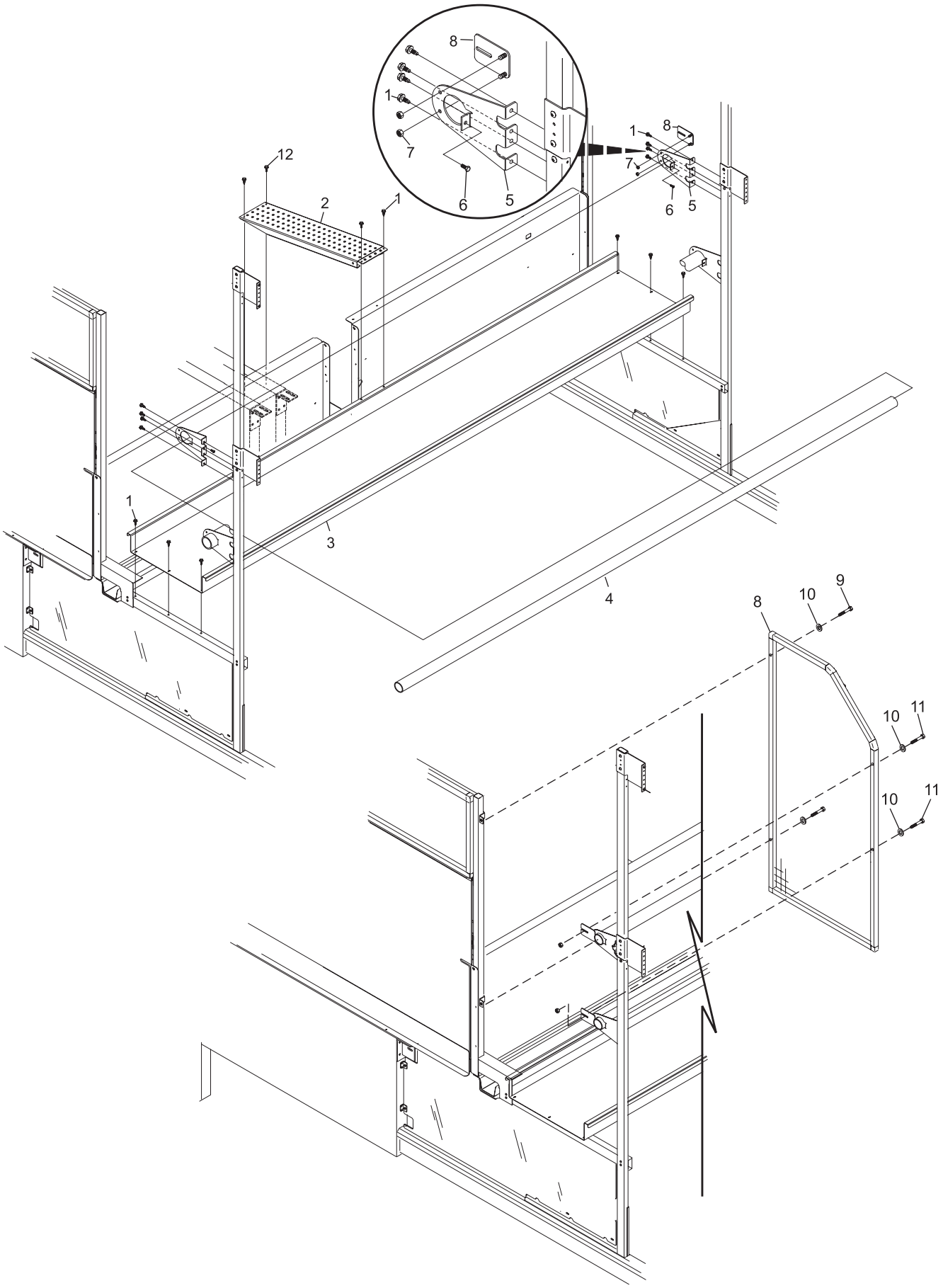


Advanced w/o Walkway
Sweep Guard

Index No.	Part No.		Description
1.	11-010818-001	N.A.	Self Tapping Screw (1/4-14 x 1”)
2.	47-085973-000		Walkway Bridge
3.	47-085943-001		Walkway - 3.380 m length (lane pair)
	47-085943-002		Walkway - 1.885 m length (single lane)
4.	47-085878-000		Guard Rail - 3.378 m length
5.	47-085877-000	N.A.	Guard Rail Mounting Bracket
6.	11-051010-001		Hex Head Cap Screw (M8 x 20 mm)
7.	11-051743-001		Locknut (6 mm)
8.	47-085980-000	S.O.	Walkway Guard
9.	11-051014-001		Hex Head Cap Screw (M6 x 45 mm)
10.	11-052037-001		Flat Washer (6.4)
11.	11-051036-001	N.A.	Hex Head Cap Screw (M6 x 35 mm)
12.	11-053308-000	N.A.	Hex Head Lag Screw (M6 x 30 mm)

N.A. = No Longer Available
S.O. = Special Order

UK Advanced/Advanced w/Walkway

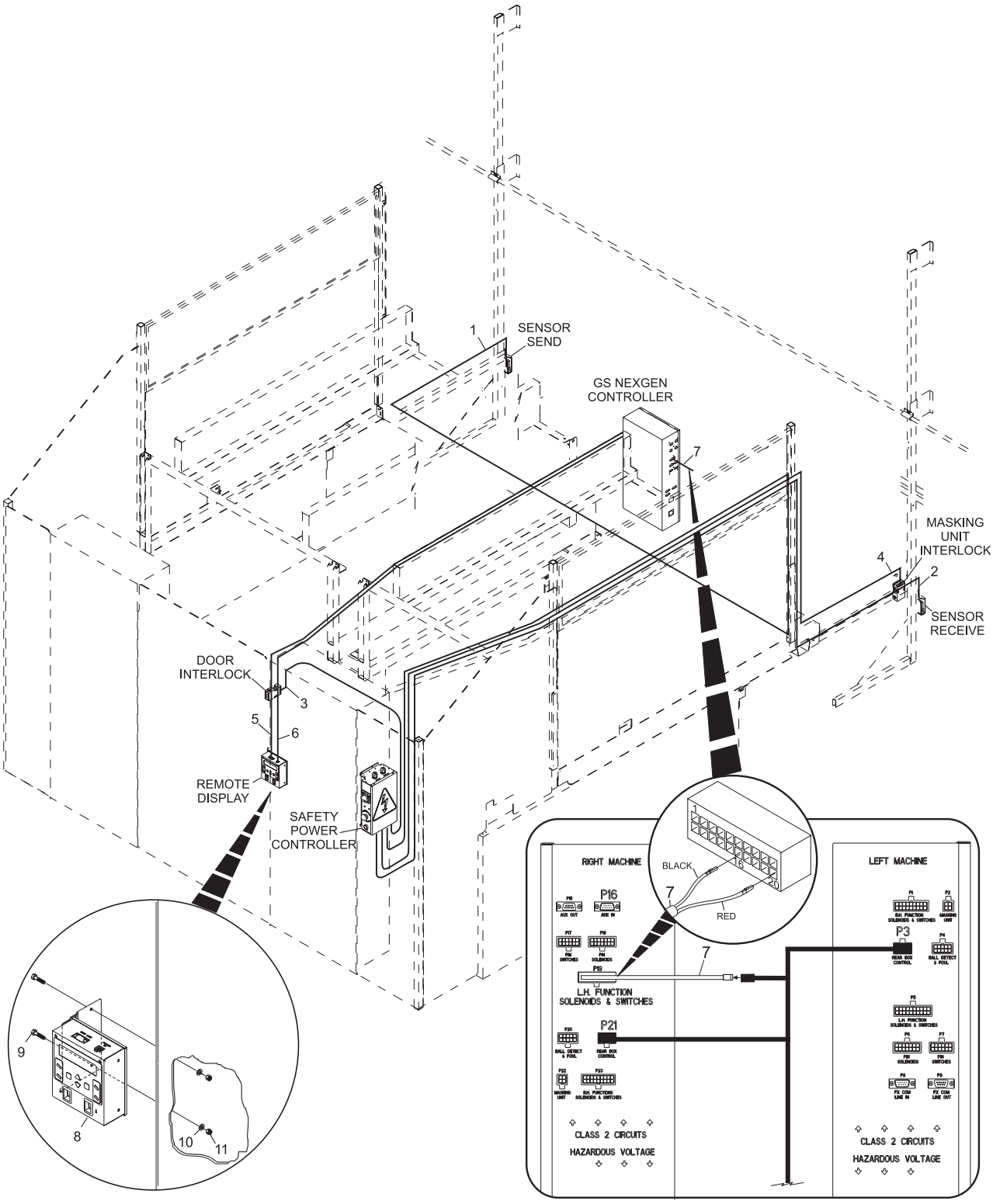


UK Advanced/Advanced w/Walkway

Index No.	Part No.		Description
1.	47-142808-000	N.A.	Photosensor Send Cable Assembly (ver. 1)
	47-142864-000	R.O.	Photosensor Send Cable Assembly (ver.2)
2.	47-142803-000	N.A.	Photosensor Recieve Cable Assembly (ver. 1)
	47-142863-000	R.O.	Photosensor Recieve Cable Assembly (ver. 2)
3.	47-142812-000	N.A.	Rear Door Interlock Cable Assembly (ver. 1)
	47-142862-000	R.O.	Rear Door Interlock Cable Assembly (ver. 2)
4.	47-142816-000	N.A.	Masking Unit Interlock Cable Assembly (ver. 1)
	47-142861-000	R.O.	Masking Unit Interlock Cable Assembly (ver. 2)
5.	47-142761-000		GS-X Display Box to Nexgen Cable Assembly
6.	47-142762-000		GS-X Rear Display Power, Stop Switches Cable Assembly
7.	47-142768-000		GS-X L.H. Function, Power Retrofit Cable Assembly
8.	*47-862869-401		Rear Display - only (Nexgen)
9.	11-051027-001		Hex Hd. Cap Screw (M5 x 40 mm)
10.	11-052021-001		Flat Washer (4.3 mm)
11.	11-051743-001		Locknut (6 mm)

N.A. = No Longer Available
R.O. = Replacement Option

* NOTE: For complete Nexgen Rear Display with Hardware and Cables order P/N 47-861048-000

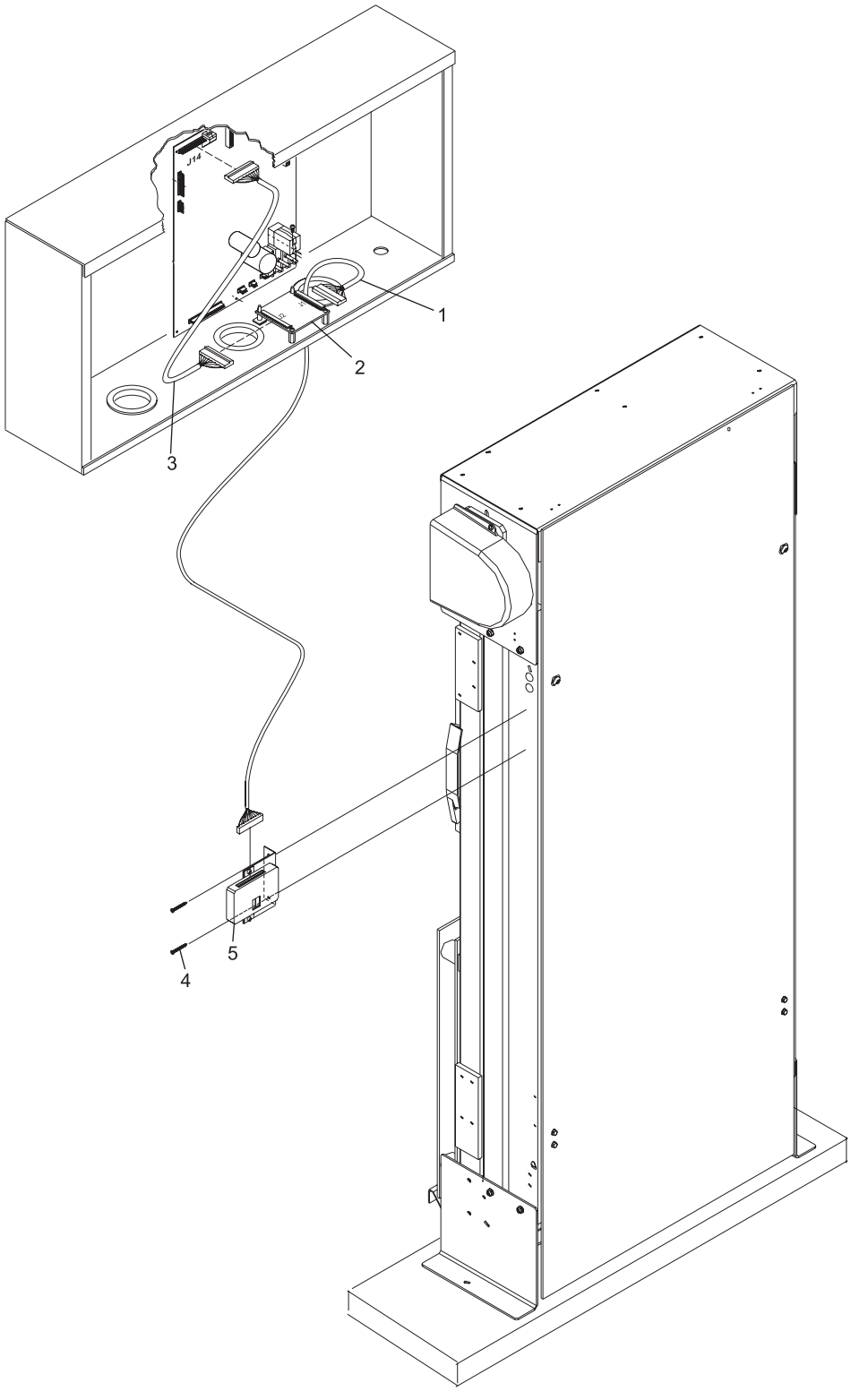


UK Advanced/Advanced Cabling

Index No.	Part No.	Description
1.	47-142779-000	Consolidated Box to Rear Display Cable Assembly (15')
2.	47-142781-000	Consolidated Display Interface PCB
3.	47-142778-000	Consolidated Box Display Interface Cable Assembly (18")
4.	11-310500-000	Drywall Screw (#6 x 1")
5.	*47-862881-000	Consolidated Box to Rear Display w/Bracket

* NOTE: For complete Consolidated Rear Display with Hardware and Cables order P/N 47-861046-000

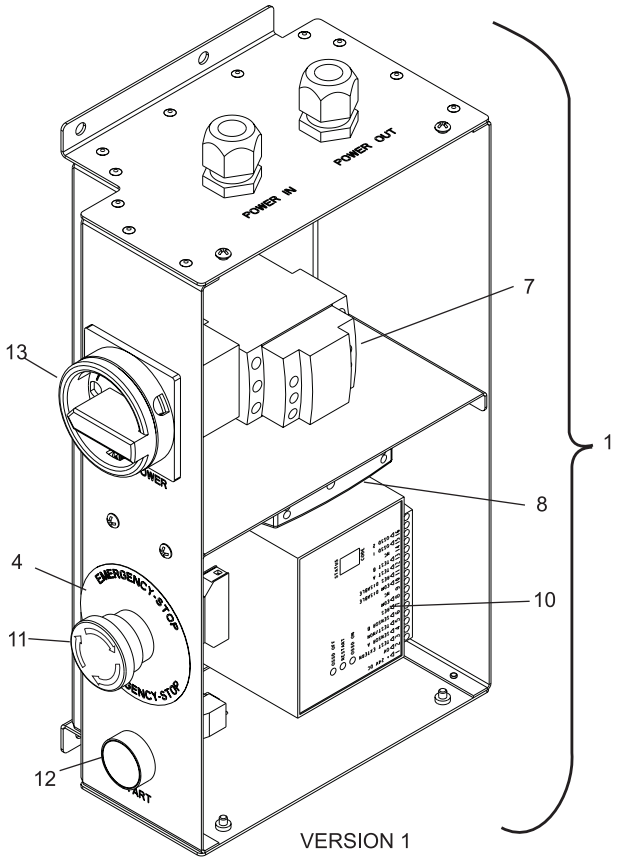
Consolidated Box Rear Display



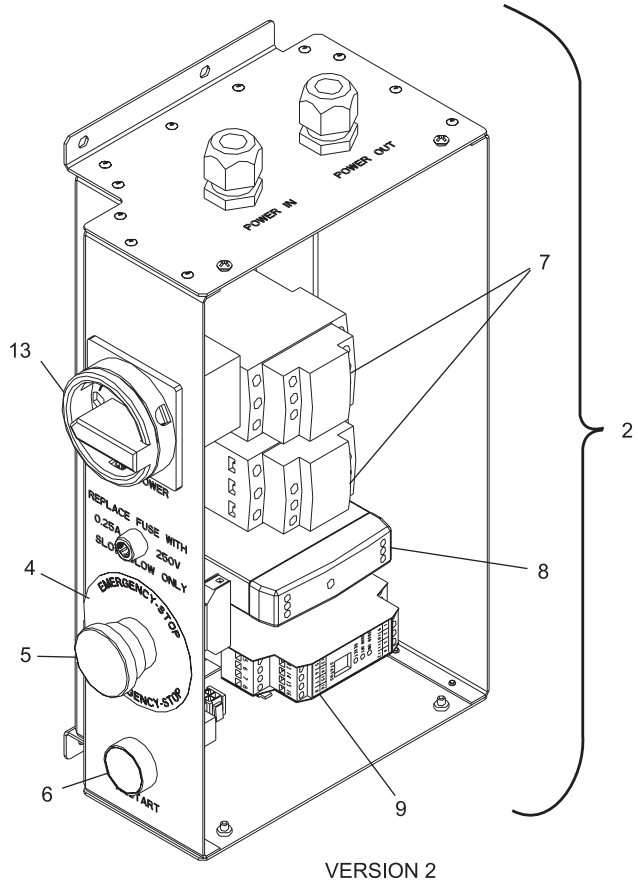
Consolidated Box Rear Display

Index No.	Part No.		Description
1.	47-142811-000	N.A.	Safety Power Controller (ver. 1)
2.	47-142834-000	N.A.	Safety Power Controller (ver. 2)
	47-142868-000	R.O.	Safety Power Controller (ver. 2)
3.	47-142116-000		Safety Power Controller (ver. 3)
4.	11-900717-000		Emergency Stop Decal
5.	47-142853-000	N.A.	Emergency Stop Button
	47-142867-000		Emergency Stop Button
6.	47-142838-000		Restart Button Assembly
7.	11-671005-000		Contactor - 12A IEC, 24VDC
8.	11-696964-000		Power Supply - 24VDC, 24W
9.	11-696966-000		Photosensor Controller
10.	11-696963-000	N.A.	Photosensor Controller
11.	47-142810-000		Emergency Stop Button
12.	47-142809-000	N.A.	Restart Button
	47-142838-000	R.O.	Restart Button Assembly
13.	11-615048-000		Power Switch
14.	11-616036-000		Emergency Stop Button
15.	47-142100-000		Restart Button Assembly
16.	11-685056-000		Fuse - .050 AMP, 250V, 5 mm x 20 mm
17.	11-696688-000		Memory Card (Pilz)
18.	11-696687-000		Terminal Block - Set (Pilz)
19.	11-696686-000		Safety Controller (Pilz)

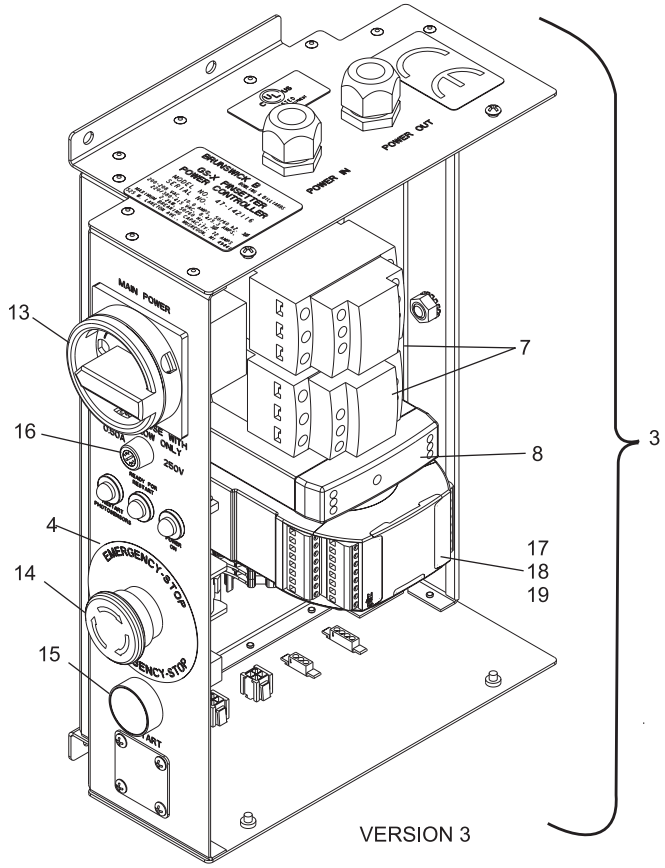
N.A. = No Longer Available
R.O. = Replacement Option



VERSION 1



VERSION 2



VERSION 3

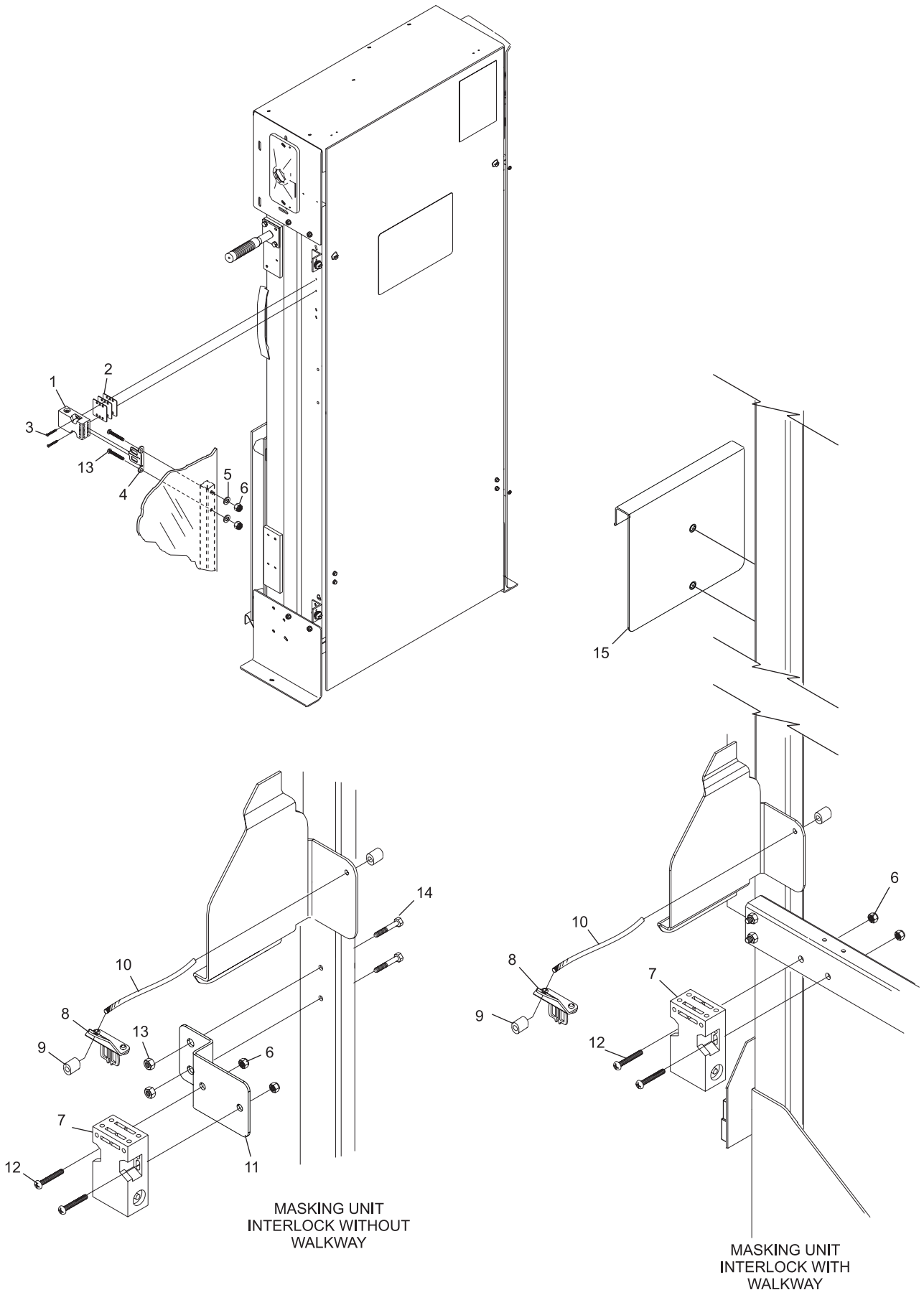
U K Advanced/Advanced Safety Controller

Index No.	Part No.		Description
1.	11-616081-000		Safety Interlock Switch (Ball Return)
2.	47-085851-000	N.A.	Shim
3.	11-082548-001	N.A.	Pan Hd. C.R. Tapping Screw (#8 x 1-1/4”)
4.	11-616082-000		Actuator Key
5.	11-085039-001	N.A.	Washer (5.3 mm)
6.	*11-051742-001		Locknut (5 mm)
7.	11-616083-000		Masking Unit Interlock
8.	*47-085974-009	N.A.	Actuator Key Bracket
9.	*57-214923-000	N.A.	Oval Sleeve
10.	*57-214924-003	N.A.	Cable
11.	47-086064-000	N.A.	Interlock Bracket - installations w/o walkway
12.	*11-053789-001	N.A.	Pan Hd. C.R. Mach Screw (M5 x 40 mm)
13.	11-170007-001		Locknut (1/4-20)
14.	11-002008-001		Hex Hd. Cap Screw (1/4-20 x 2”)
15.	47-085976-000	N.A.	Retainer - Lower Graphics Panel
16.	**47-085978-009		Masking Unit Interlock Hardware Pkg.

N.A. = No Longer Available

** Available in Masking Unit Interlock Hardware Pkg. - index #16.*

*** Not Illustrated*

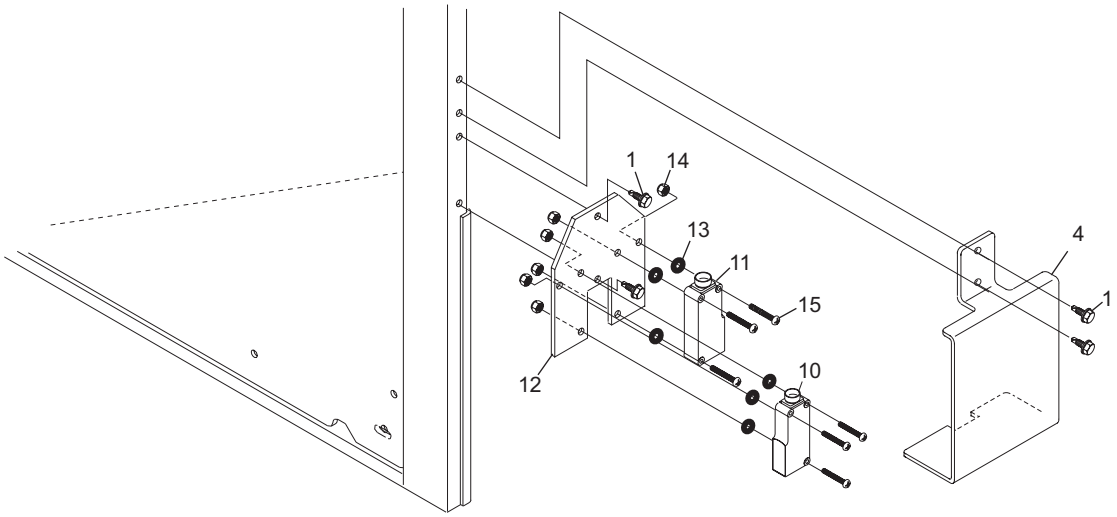


UK Advanced/Advanced Interlocks

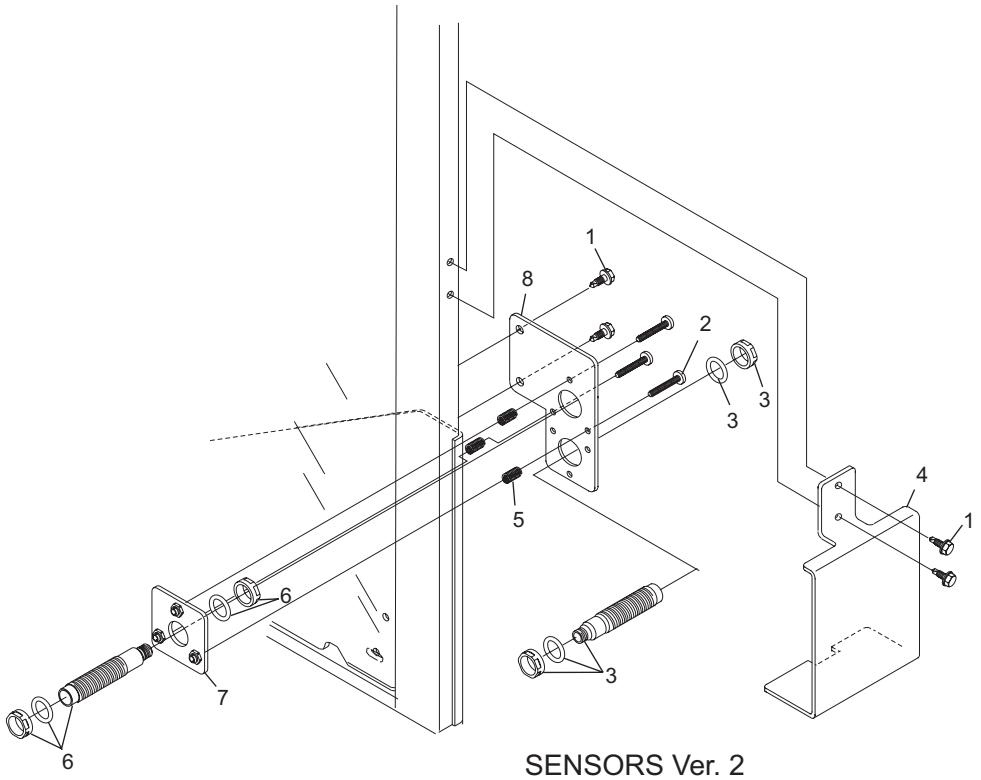
Index No.	Part No.		Description
1.	11-010818-001	N.A.	Self Tapping Screw (1/4-14 X 1”)
2.	11-051096-001	N.A.	Hex Hd. Cap Screw (M4 x 30 mm)
3.	11-696967-001		Sensor - Receive (ver. 2)
4.	47-086115-000		Sensor Guard
5.	11-581009-000		Compression Spring
6.	11-696967-002		Sensor - Send (ver. 2)
7.	47-086113-000	N.A.	Sensor Alignment Plate
8.	47-086114-000	N.A.	Sensor Mounting Bracket (ver. 2)
9.	11-696970-000		Laser-Sensor Alignment Aid
10.	11-696962-002		Sensor - Send (ver. 1)
11.	11-696962-001		Sensor - Receive (ver. 1)
12.	47-086097-000		Sensor Mounting Bracket (ver. 1)
13.	47-086164-009	N.A.	O-Ring Pkg. (Qty. 10)
14.	11-051741-001		Locknut (4 mm)
15.	11-053793-001	N.A.	Pan H. C.R. Mach Screw (M4 x 30 mm)
16.	11-696971-000		Laser-Sensor Alignment Aid Adapter

N.A. = No Longer Available

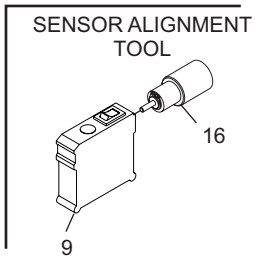
U K Advanced/Advanced Sensors



SENSORS Ver. 1



SENSORS Ver. 2



U K Advanced/Advanced
Sensors

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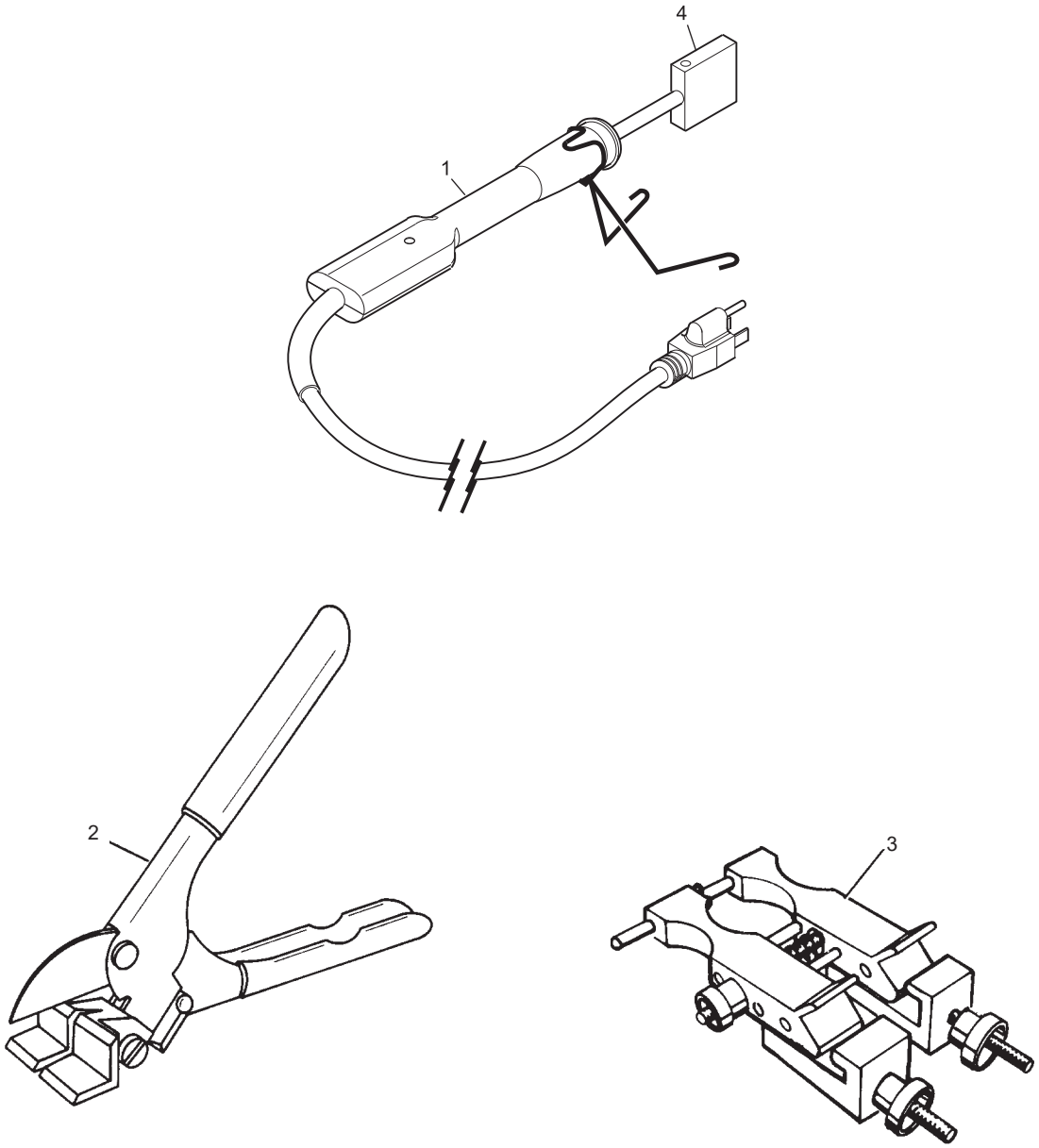
Section P

MISCELLANEOUS

Index No.	Part No.	Description
1.	47-097132-000	Belt Welding Iron (115V)
	47-097133-000	Belt Welding Iron (230V)
2.	47-093876-004	Belt Cutter
3.	47-862770-000	Round Belt Welding Clamp
4.	47-097136-000	OEM Belt Welding tip for 115V & 230V
5.	*47-277134-009	Belt Welding Kit - 115VAC (includes index Nos. 1, 2, and 3)
	*47-277135-009	Belt Welding Kit - 230VAC (includes index Nos. 1, 2, and 3)

* Not Illustrated

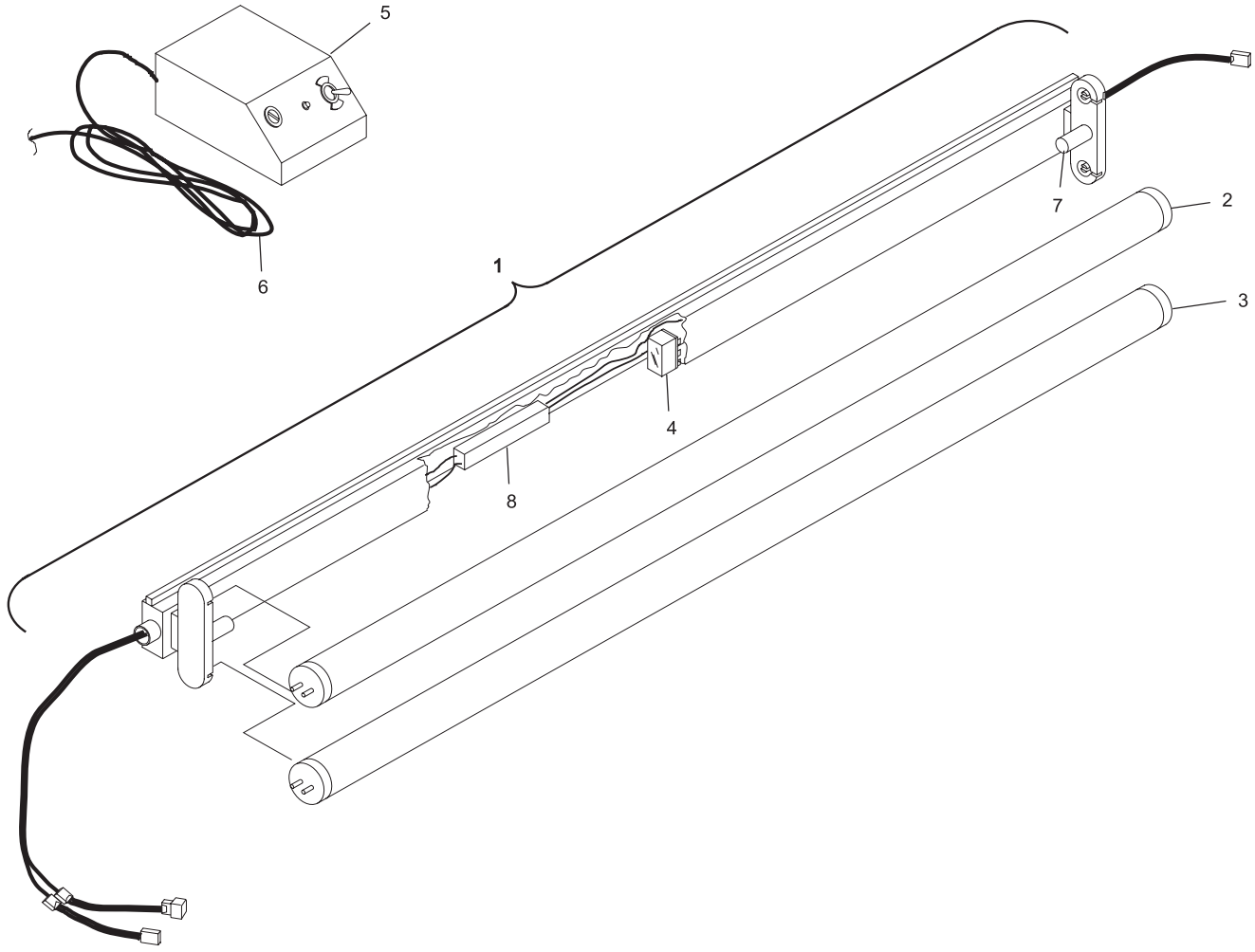
Belt Welding Kit and Belt Cutter



Belt Welding Kit and Belt Cutter

Index No.	Part No.	Description
1.	47-225723-004	Dual Light Assembly - w/o Bulbs or Power Supply/Control Unit (230/380 Volt)
	47-225722-004	Dual Light Assembly - without Bulbs or Power Supply/Control Unit (208 Volt)
2.	47-203152-000	Bulb - White
3.	99-220385-004	Bulb - Black
4.	99-220366-004	Relay (24VAC)
5.	47-225254-003	Power Supply/Control Unit
6.	47-225263-004	Controller Cable
7.	47-203147-000	Starter (230/380 volt pinsetters only)
8.	47-225732-004	Electronic Ballast (208 Volt)
	47-226294-004	Electronic Ballast (230 Volt)

Dual Pin Lamp System
(Machine Series 443 and Above)



Dual Pin Lamp System
(Machine Series 443 and Above)

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