

1 2	02-02-1100 02-04-1516 02-50-1640	4mm Ball Ball Bearing Needle Bearing	(1) (1)	oriented	d as shown.		6	on the Blade Clamp Assy.
5 6	06-08-0015	3/16" Hex Drive Hub Bolt - LH Thread Pivot Pin	(1) (1) (2)				en replacing Cran ire parts are com	k Assembly (17) patible!
8 9 10 11	06-65-2995 06-81-0065 06-82-3830 06-82-3900	Pin 10-32 x 2" Bolt 8-32 x 1/2" Csk Macine Screw 3/8" DG50 Thread Form Screw	(1) (1) (3) (2)	Crank As and Spacer	ssembly Driv	re Hub SURFACE	COUNTE	ly Drive Hub with RBORE and shoulder to fit
12 13 14	06-82-5316 06-82-5346 06-82-5362	8-32 x 1/2" Pan Hd. Taptite T-20 Screw 8-32 x 3/4" Pan Hd. Taptite T-20 Screw 8-32 x 1" Pan Hd. Taptite T-20 Screw	(5) (4)	Crank Assembly— (17a)		Flat Surface	Crank Assembly (17b)	Counterbore
15 16 17a	06-82-7261 06-82-7290 	6-19 x 11/16" Pan Hd. Slt. Plast. T-15 6-19 x 1-1/8" Pan Hd. Slt. Plast. T-15 Crank Assembly with flat surface on Drive Hub - Left Hand Thread (Order Service Kit No. 14-09-0181)	(6) (2) (1)					
17b	14-09-0182	Crank Assembly with counterbore in Drive Hub - Left Hand Thread	(1)					~ ⁵ / \(\(\(\)\)
18 19	10-15-0955 12-20-2620	Warning Label Service Nameplate Kit	(1) (1)	Drive	e Hub Spa	cer (47a)	Drive Hú	/ / / / / / / / / / / / / / / / / / /
20 21 22	02-04-5130 16-01-0025 18-01-0070 22-18-0110	Ball Bearing Service Armature with Fan Service Field Corbon Break Assembly Block	(1) (1) (1)	Individual Order Servi	parts not av ce Kit No. 14	ailable. -46-0186.		rts (17b and 47b) red separately.
23 24 25 26	22-18-0110 22-18-0135 22-20-0860 22-32-0400	Carbon Brush Assembly - Black Carbon Brush Assembly - Red Brush Tube Brush Spring Clip	(1) (1) (2)	FIG. 52	PART NO. 43-06-0030		IPTION OF PART	NO. REQ.
27 28 29	22-56-0025 23-66-0284 28-14-0035	Terminal Block Assembly Switch Gearcase Assembly - Left	(1) (1) (1)	53 55 56	43-56-0035 44-60-1750 44-66-0280	Orbit Slo Lock Pir	ot	(1) (1) (1)
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28-14-0060

31-11-0105

31-44-2620

31-44-2625

31-50-0040

34-40-0035

34-60-3700

38-50-0260

40-50-0595

40-50-0930

40-50-1090

40-50-8805

40-50-8840

42-40-0020

42-40-0077

43-06-0025

Gearcase Assembly - Right

Barrel Cam

O-Ring Retaining Ring

Spindle Torsion Spring

Handle - Left

Handle - Right

Motor Cage Spiral Bevel Gear

Disc Spring Compression Spring

Compression Spring

Spacer with flat surface

Spacer with shoulder

Front Cam

Metal Plate

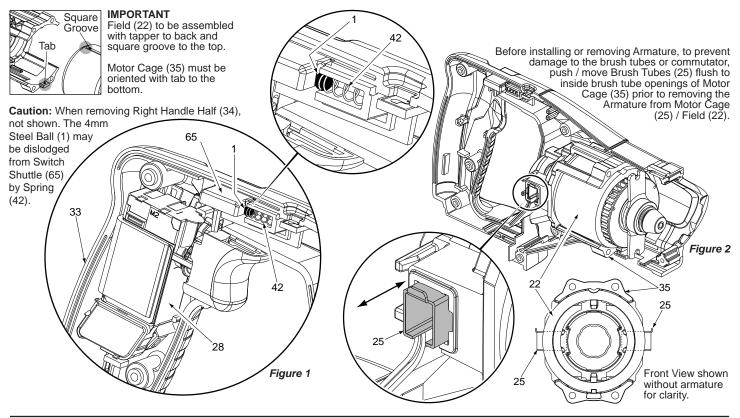
Order Service Kit No. 14-46-0186)

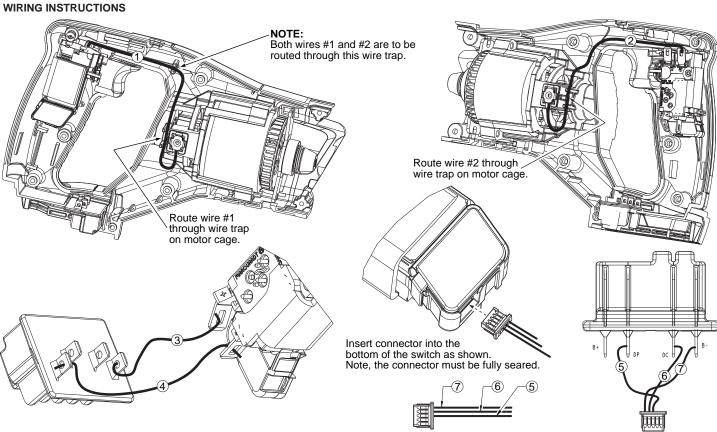
(1)

Extension Spring Brush Spring
Spindle Pin Bushing

52	43-06-0030	Metal Plate	(1)
53	43-56-0035	Orbit Slot	(1)
55	44-60-1750	Lock Pin	(1)
56	44-66-0280	Bearing Retaining Plate	(1)
57	44-66-0285	Retaining Plate	(1)
58		Front Bushing Carrier	(1)
60		Felt Seal	(1)
61	45-06-0790	Seal	(1)
62	45-12-0025	Gearcase Insulator	(1)
63	45-16-0025	Shoe Assembly	(1)
64	45-22-0175	Sleeve	(1)
65	45-24-0045	Shuttle Switch	(1)
66		Bushing Cap	(1)
67		Washer	(1)
68	38-50-6490	Front Bushing Carrier Assembly	(1)
69	42-68-1200	Blade Clamp Assembly (See Page 5)	(1)
71	44-66-5335	Bearing Retainer Plate	(1)
72	02-04-0999	Ball Bearing	(1)
73	45-28-0025	Grease Slinger	(1)
74		Pinion Gear	(1)
75	42-55-2620	Accessory Carrying Case	(1)
76	14-29-0360	Gear Assembly	(1)
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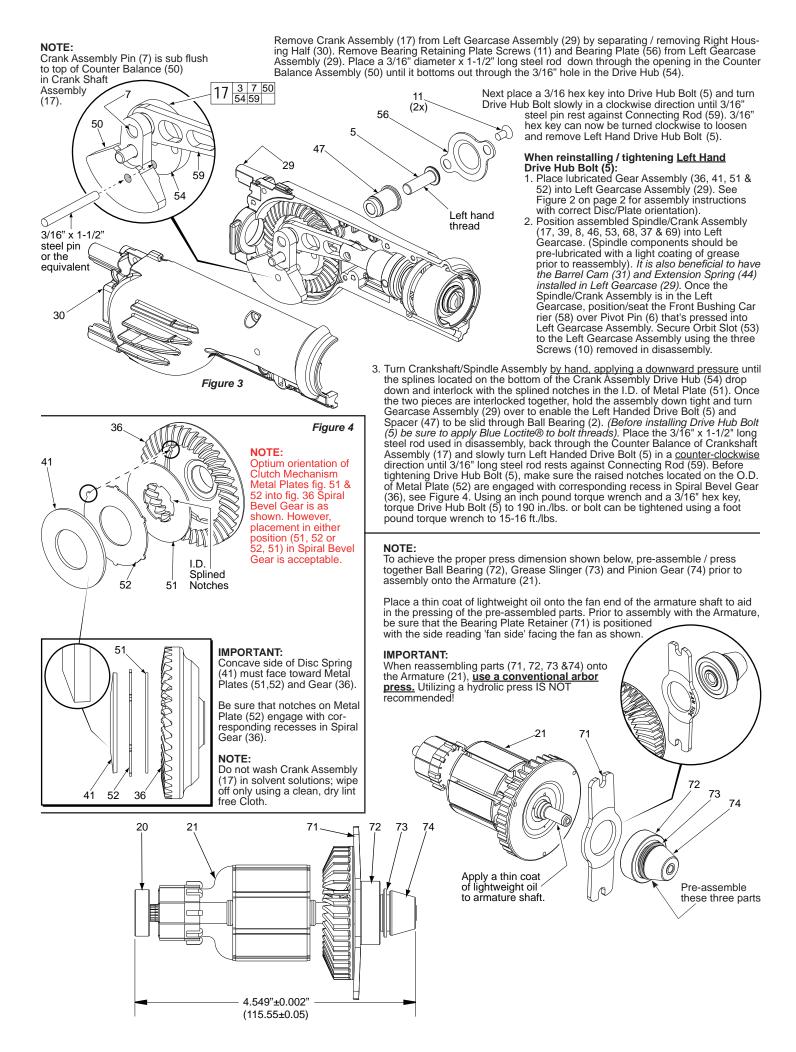


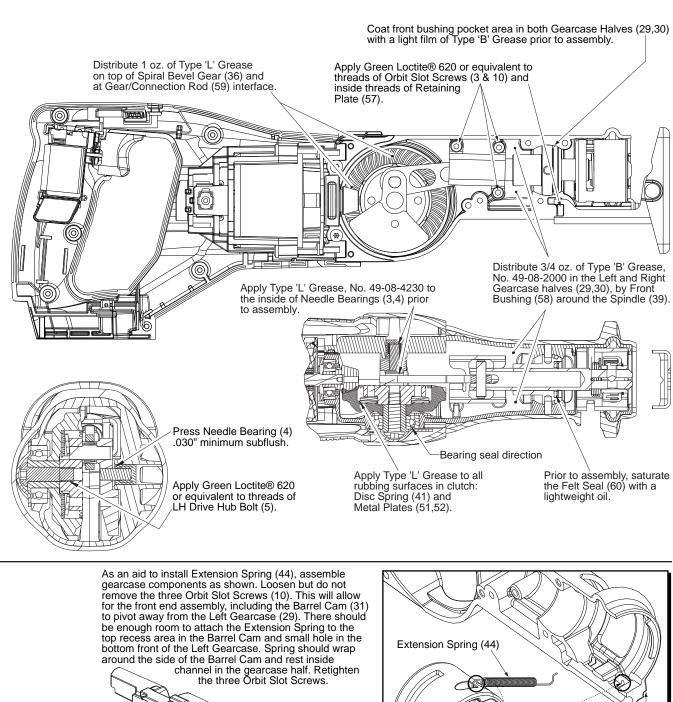


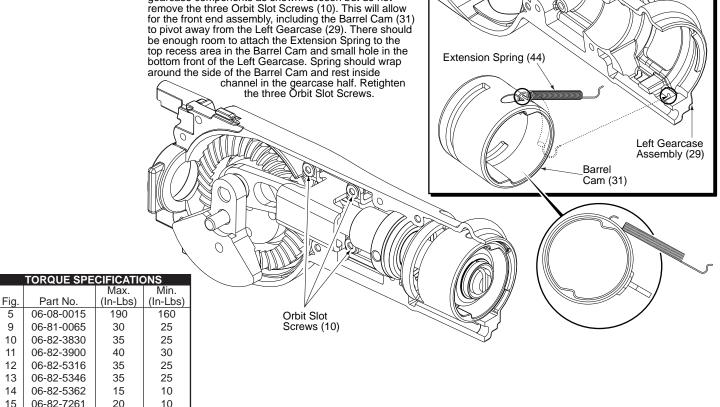
WIRING SPECIFICATIONS							
Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation			
1	Red	22-18-0135		Carbon Brush Assembly - right side.			
2	Black	22-18-0110		Carbon Brush Assembly - left side.			
3	Red	22-56-0025		Component of the Terminal Block Assembly.			
4	Black	22-56-0025		Component of the Terminal Block Assembly.			
5	White	22-56-0025		Component of the Terminal Block Assembly.			
6	Red	22-56-0025		Component of the Terminal Block Assembly.			
7	Black	22-56-0025		Component of the Terminal Block Assembly.			

AS AN AID TO REASSEMBLY, TAKE NOTICE OF WIRE ROUTING AND POSITION IN WIRE GUIDES AND TRAPS WHILE DISMANTLING TOOL.

BE CAREFUL AND AVOID PINCHING WIRES BETWEEN HANDLE HALVES WHEN ASSEMBLING.



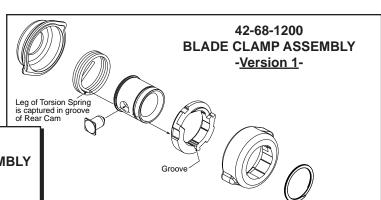


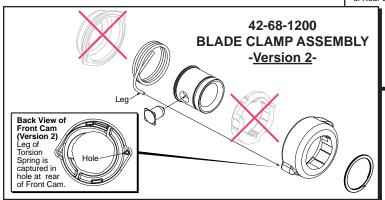


06-82-7290

SERVICE NOTE:

There are two versions of the 42-68-1200 Blade Clamp Assembly. Although Version 2 has two fewer parts, <u>Version 1 and Version 2 are completely interchangeable.</u>





REMOVING THE STEEL QUIK-LOK® BLADE CLAMP - VERSION 1

- Remove external retaining ring (38) and pull front cam (48) off.
- Pull lock pin (55) out and remove remainder of parts and discard.

REASSEMBLY OF THE STEEL QUIK-LOK® BLADE CLAMP

- · Coat new lock pin with powdered graphite.
- · Hold tool in a vertical position.
- · Place spring cover onto spindle.
- Slide torsion spring (40) onto spindle with spring leg on hole side of spindle.
- Slide sleeve (64) onto spindle aligning hole on sleeve with hole in spindle.
- · Slide rear cam over sleeve until it bottoms on sleeve shoulder, ensure spring leg inserts into groove of cam.
- Rotate rear cam in the direction of the arrows located on spring cover until there is clearance for lock pin (55) to be inserted into sleeve/spindle holes. Insert lock pin.
- Align front cam (48) inner ribs with rear cam outer slots and slide front cam onto sleeve until it bottoms.
 Retaining ring groove should be completely visible.
- Attach retaining ring (38) by separating coils and inserting end of ring into groove, then wind remainder of ring into groove.
 Ensure ring is seated in groove.
- Blade clamp should rotate freely. During normal usage, debris may not allow blade clamp to rotate freely. The use of spray lubricant can help free blade clamp. In extreme conditions, follow these instructions to remove, clean and reassemble blade clamp.

Spindle (39)

Torsion Spring (40)

Lock Pin (55)

Sleeve (64)

Front Cam (48)

External Retaining

Ring (38)

REMOVING THE STEEL QUIK-LOK® BLADE CLAMP - VERSION 2

- Remove external retaining ring (38) and pull front cam (48) off.
- Pull lock pin (55) out and remove remainder of parts and discard.

REASSEMBLY OF THE STEEL QUIK-LOK® BLADE CLAMP

- · Coat new lock pin with powdered graphite.
- Hold tool in a vertical position.
- Slide torsion spring (40) onto spindle with spring leg on hole side of spindle.
- Slide sleeve (64) onto spindle aligning hole on sleeve with hole in spindle.
- Insert lock pin.
- Slide front cam (48) onto sleeve and insert leg of spring (40) into small hole in the back of the cam (see detail above) until it bottoms. Retaining ring groove on the sleeve (64) should be completely visible.
- Attach retaining ring (38) by separating coils and inserting end of ring into groove, then wind remainder of ring into groove.
 Ensure ring is seated in groove.
- Blade clamp should rotate freely. During normal usage, debris may not allow blade clamp to rotate freely. The use of spray lubricant can help free
 blade clamp. In extreme conditions, follow these instructions to remove, clean and reassemble blade clamp.

