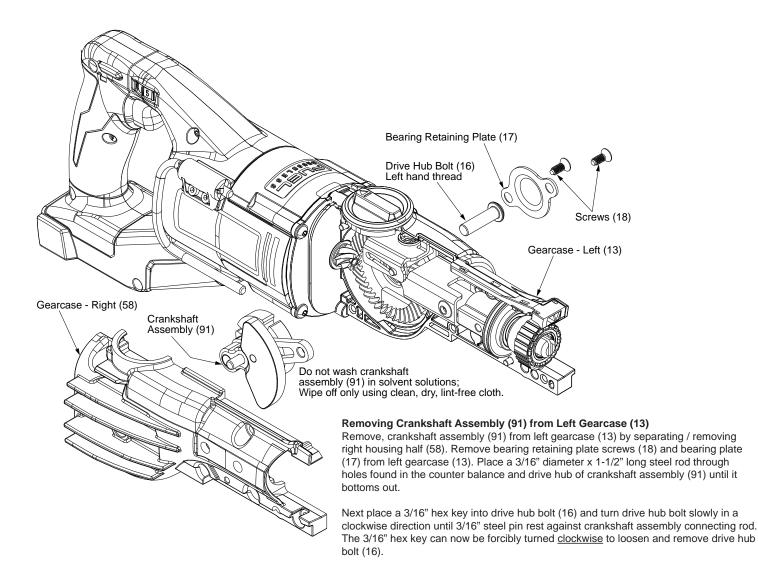


of Front Bushing Assembly #90

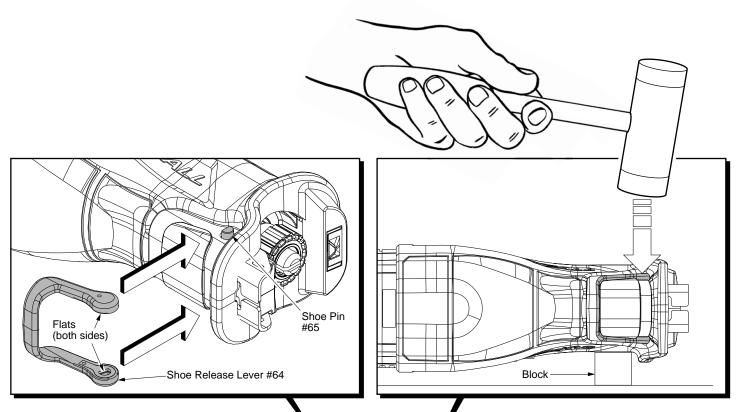
• Lightly coat both ends of pin (11) prior to installing rollers (68).



Reinstalling Crankshaft Assembly (91) into Left Gearcase (13)

To reinstall drive hub bolt (16) to crankshaft assembly (91) apply Blue Loctite[®] (44-20-0090) to threads of drive hub bolt (16) and insert through spacer (15) aligning threads of drive hub bolt (16) with internal threads of crankshaft assembly hub. Use a 3 /16" hex key to turn the drive hub bolt (16) slowly in a <u>counter clockwise</u> direction until 3/16" steel pin rest against crankshaft assembly connecting rod (See 'Removing Crankshaft Assembly' instructions above). Using an inch pound torque wrench and a 3/16" hex key, torque drive hub bolt (16) to 210-240 in. lbs. or bolt can be tightened using a ft. lbs. torque wrench to 17-20 ft. lbs.

SCREW TORQUE SPECIFICATIONS				
			SEAT TORQUE	
FIG.	PART NO.	WHERE USED	(KG/CM)	(IN/LBS)
16	06-08-0019	Crankshaft Assy.	240-275	208-238
18	06-82-8890	Bearing Plate	55-63	47-54
24	06-82-5324	Retaining Plate	46-58	39-50
28	06-82-2700	Gearcase	35-40	30-34
31	06-82-7240	Both Housing Halve	es 12-17	10-14
39	06-82-7261	Right Housing Halv	e 12-17	10-14
40	06-95-1001	Right Housing Halv	e 20-25	17-21
45	05-78-0910	Rafter Hook Bracke	et 20-25	17-21
59	06-82-5411	Gearcase	46-58	39-50
63	06-82-7253	Shoe Retainer	25-35	21-30



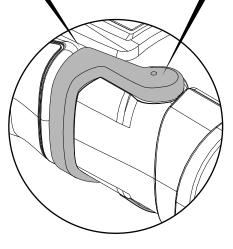
To properly install the Shoe Release Lever #64 onto the Shoe Pin #65 do the following:

Insert the shoe pin through the hole in the gearcase insulator. Center the shoe pin with equal amounts of the pin protruding from each side of the tool.

Rotate the shoe pin so the flats of the pin will align with the flats in the shoe release lever cavities.

The shoe release lever is stiff but flexible. Place the shoe release lever over the gearcase insulator. Lift one end of the shoe release lever onto the shoe pin (with flats aligned) and press into place.

Pull the other end of the shoe release lever over the other side of the pin and press in place.



69

Place the tool on its side on a hard flat surface. Place a small wood block approximately 1-1/8" thick under the tool, between the hard surface and the shoe release lever, directly beneath the pin.

With a rubber mallet, strike the shoe release lever several times to completely seat the lever onto the pin and to asure that the pin is properly centered within the gearcase.

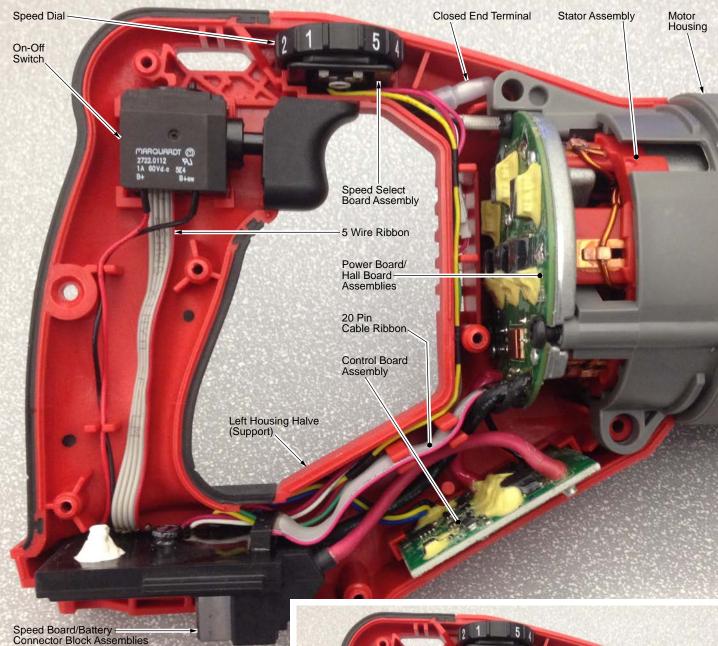
5

REMOVING THE STEEL QUIK-LOK® BLADE CLAMP -

- Remove external retaining ring (6) and pull front cam (7) off.
- Pull lock pin (2) 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 (1) onto spindle.
- Slide torsion spring (3) onto spindle with spring leg on hole side of spindle.
- Slide sleeve (5) onto spindle aligning hole on sleeve with hole in spindle.
- Slide rear cam (4) 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 (2) to be inserted into sleeve/spindle holes. Insert lock pin.
- Align front cam (7) 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 (6) 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.



SEE PAGE 6 FOR ADDITIONAL WIRING VIEWS

Prior to installing Right Handle/Housing Halve (38) onto left housing/handle halve (30), be sure that all wires are tucked down in wire traps. Be sure that wire ribbons are properly placed down in traps and channels. Make sure that all elements of electronics assembly (94) are firmly and squarely in the corresponding cavities of left handle/housing halve.

Secure right handle/housing halve to left handle/housing halve with screws (31, 39 and 40), watching out for pinched wires.

Prior to installing battery, check for the proper functionality of the on-off switch, Speed Dial (87) and Lock-Off Shuttle (36).

Install battery and assure the tool operates properly.

