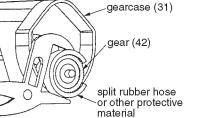


FIG. NOTES:

- 1 Bearing to be installed with seal towards commutator.
- 4,32 Press needle bearing flush ±.005 with inner surface of diaphragm.
- 6,52 Apply Blue Loctite® 242 to threads of wobble shaft axle prior to installing spinlock hex nut. Torque spinlock hex nut to 160-190 in. lbs.
- 6,42 Hold the intermediate gear still with a large pair of pliers and a piece of rubber hose (or other tough, but pliable material to protect the gear from the jaws of the pliers) and remove the 5/16" spinlock hex nut with a wrench, as shown.



Orient counter weight as shown with hole on

Place a thin film of lubrication on dowel pins prior

SMAL

INNER

OUTER

Torsion Spring

Sleeve

Rear Cam

SLOT

Leg

Hole/Groove

Spring Cover

Spindle

Lock

RIB

bottom towards rear

spindle bushing.

rear spindle bushing (54)

counter weight (60)

dowel pin (7)

reciprocating spindle (48)

front spindle

bushing (53)

LARGE

INNEF

(57)

(58)

LARGE

OUTER

Front Cam

Retainin

Ring

SLOT

RIE

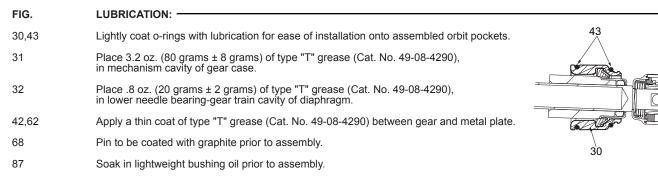
- 7,48,53,54,60 Press dowel pins flush to front side of front spindle bushing. Press dowel pins flush to back side of rear spindle bushing. **NOTE:** Reciprocating spindle (48) and counter weight (60) must be installed inside assembly (7,53) and (7,54) prior to pressing last spindle bushing into place. Be sure to orientate the counter weight with the hole on bottom towards rear spindle bushing, as shown.
- 16,38 Install nameplate in motor housing recess prior to assembling diaphragm onto motor housing.
- 30,44 Service fixture #61-10-0205 must be used when installing retaining ring (44) onto orbit pocket assembly (30).
- 42,61 Tabs of bronze plate engage intermediate gear.
- 42,51 Concave side of disc spring towards intermediate gear.
- 62,65 Tabs of metal plates engage orbit drive hub.
- 74 O-ring of polypak seal faces mechanism toward rear of tool.
- 79 Shoulder extension of grease slinger should face bearing.

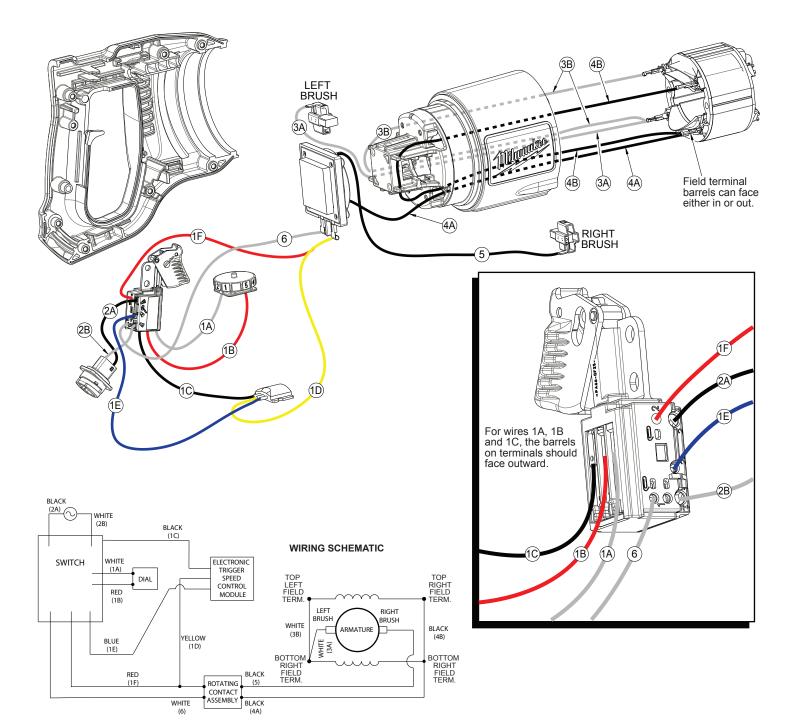
REMOVING THE STEEL QUIK-LOK® BLADE CLAMP -

- Remove external retaining ring (46) and pull front cam (57) off.
- Pull lock pin (68) 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 (35) onto spindle.
- Slide torsion spring (49) onto spindle shaft with leg positioned at the 6:00 position.
- Slide sleeve (77) onto spindle aligning hole on sleeve with hole in spindle.
- Slide rear cam (58) over sleeve, aligning hole in rear cam with spring leg.
 <u>Ensure spring leg inserts into hole in rear cam.</u>
- Rotate rear cam (58) counter clockwise until there is clearance for lock pin (68) to be inserted into sleeve/spindle holes. Insert lock pin.
- Align front cam (57) inner ribs with rear cam outer slots (see insert) and slide front cam onto sleeve until it bottoms. Retaining ring (46) groove should be completely visible.
- Attach retaining ring 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.





WIRING SPECIFICATIONS								
Wire No.	Wire Color	Origin or Part No.	Gauge	Length	Terminals, Connectors and End Wire Preparation			
1A	White	Dial Assy.			Component of the 23-66-4225 Switch Assembly.			
1B	Red	Dial Assy.			Component of the 23-66-4225 Switch Assembly.			
1C	Black	Triac Assy.			Component of the 23-66-4225 Switch Assembly.			
1D	Yellow	Triac Assy.			Component of the 23-66-4225 Switch Assembly.			
1E	Blue	Triac Assy.			Component of the 23-66-4225 Switch Assembly.			
1F	Red	Triac Assy.			Component of the 23-66-4225 Switch Assembly.			
2A	Black	Bld. Hsg.			Component of the 22-56-0705 Blade Hsg. Assy.			
2B	White	Bld. Hsg.			Component of the 22-56-0705 Blade Hsg. Assy.			
3A	White	Wire Assy.			Component of Leadwire Assembly 23-94-7400.			
3B	White	Wire Assy.			Component of Leadwire Assembly 23-94-7400.			
4A	Black	Wire Assy.			Component of Leadwire Assembly 23-94-7405.			
4B	Black	Wire Assy.			Component of Leadwire Assembly 23-94-7405.			
5	Black	Wire Assy.			Component of Leadwire Assembly 23-94-7410.			
6	White	Wire Assy.			Component of Leadwire Assembly 23-94-7420.			

NOTE:

All lead lengths are before stripping. All leads must be held to \pm .125" unless specified elsewhere.

TERMINAL DESCRIPTION							
Code	Part No.	Qty.					