SERVICE PARTS LIST

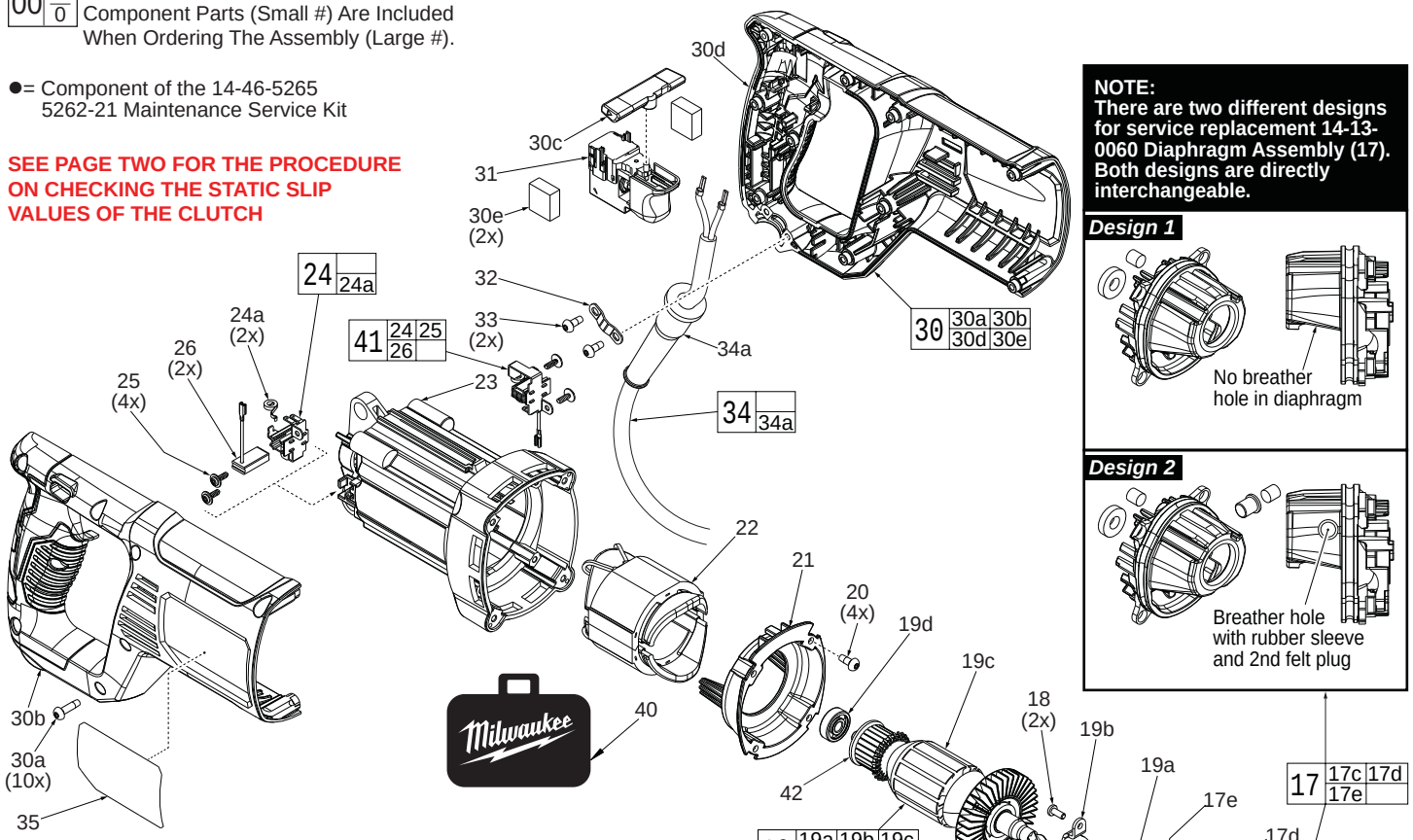
BULLETIN NO. 54-24-5262

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS	REVISED BULLETIN	DATE
1" D-HANDLE ROTARY HAMMER		June 2015
CATALOG NO. 5262-21 SERIAL NUMBER **G43A**	WIRING INSTRUCTION	**See page 6**

00 | 0 **EXAMPLE:** Component Parts (Small #) Are Included When Ordering The Assembly (Large #).

●= Component of the 14-46-5265 5262-21 Maintenance Service Kit

SEE PAGE TWO FOR THE PROCEDURE ON CHECKING THE STATIC SLIP VALUES OF THE CLUTCH



NOTE:
There are two different designs for service replacement 14-13-0060 Diaphragm Assembly (17). Both designs are directly interchangeable.

Design 1

Design 2

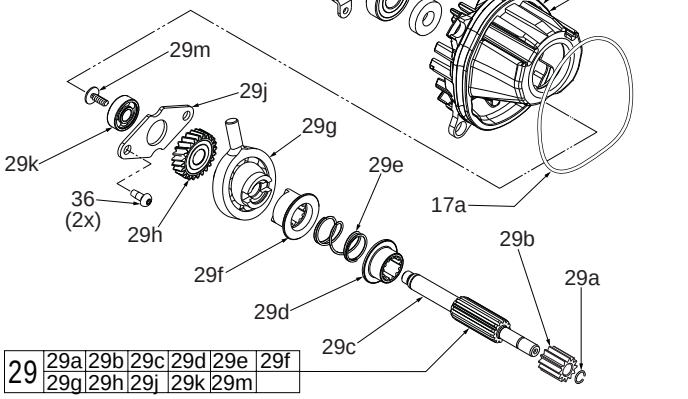
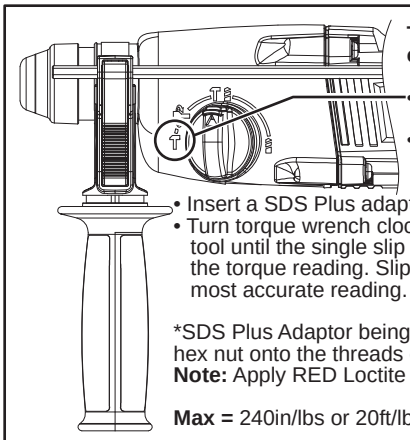


FIG.	PART NO.		DESCRIPTION OF PART	NO. REQ.
17	14-13-0060		Diaphragm Assembly w/ Bushing	(1)
17a	43-44-1375	●	Gasket	(1)
17c	----------		Diaphragm w/ Bushing	(1)
17d	43-84-0300		Felt Plug	(1)
17e	45-06-5263		Seal Ring	(1)
18	05-78-0105		M4 x 10mm Pan Hd. Tapt. T-20 Screw	(2)
19	16-10-0102		120V Armature Assembly	(1)
19a	02-04-0039		Ball Bearing	(1)
19b	44-66-0117		Bearing Retaining Plate	(1)
19c	----------		Armature	(1)
19d	02-04-5382		Ball Bearing	(1)
20	05-78-5313		M4 x 9mm Pan Hd. Plast. T-15 Screw	(4)
21	42-14-0112		Fan Baffle	(1)
22	18-01-0032		120V Field Assembly	(1)
23	28-50-0052		Motor Housing	(1)
24	22-20-0029		Brush Holder	(2)
24a	----------		Brush Spring	(2)
25	05-88-0030		M3 x 8.5mm Pan Hd. ST T-10 Screw	(4)
26	22-18-0032	●	120V Carbon Brush	(2)
27	23-94-0033		Leadwire Assembly-Red (See page 5)	(1)
28	23-94-0037		Leadwire Assembly-Blue (See page 5)	(1)
29	36-92-0010		Reduction Gear Assembly	(1)
29a	44-90-1180	●	C-Ring	(1)
29b	32-60-1611		2nd Stage Pinion	(1)
29c	36-66-0026		Reduction Gear Shaft	(1)
29d	45-22-0927		Coupler	(1)
29e	40-50-2141		Shift Spring	(1)
29f	45-22-0926		Wobble Coupler	(1)
29g	36-92-5263		Wobble Bearing	(1)
29h	32-75-0027		1st Stage Gear	(1)
29j	44-66-0022		Retaining Plate	(1)
29k	02-04-5385		Ball Bearing	(1)
29m	06-82-0017	●	M4 x 10mm T-15 Screw	(1)
30	14-34-0025		Housing Assembly	(1)
30a	06-82-0995		M4 x 16mm Pan Hd. Plast. T-20 Screw	(10)
30b	----------		Housing Halve - Right	(1)
30c	45-34-0017		Forward/Reverse Lever	(1)
30d	----------		Housing Halve - Left	(1)
30e	44-52-0025		Foam Pad	(2)
31	23-66-0013		120V Switch	(1)
32	42-68-0601		Cord Clamp	(1)
33	05-78-5313		M4 x 9mm Pan Hd. Plast. T-15 Screw	(2)
34	22-64-0027		120V Power Cord	(1)
34a	44-76-0210		Strain Relief	(1)
35	12-20-5261		Service Nameplate	(1)
36	05-74-1030	●	M5 x 8mm Pan Hd. Tapt. T-25 Screw	(2)
40	42-55-5263		Blow Molded Carrying Case	(1)
41	22-22-0043		Brush Service Kit (Set of 2)	(1)
42	23-16-0092		Commutator Insulator	(1)

MILWAUKEE ELECTRIC TOOL CORPORATION
13135 W. LISBON RD., BROOKFIELD, WI 53005

Drwg. 1



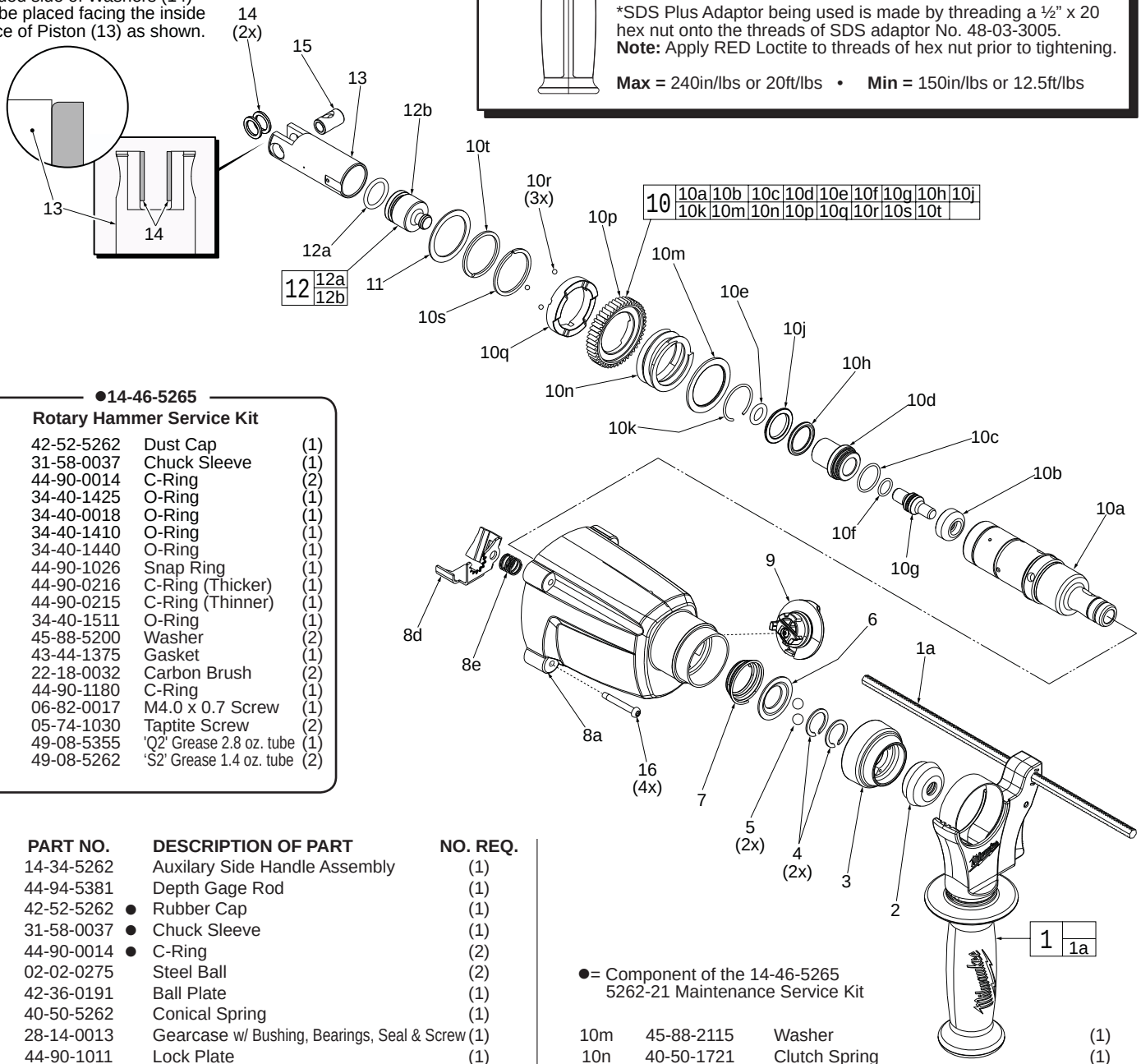
To check the static slip values of the clutch you must do the following:

- Position Red spring loaded shifting lever at the hammer only icon.
- Lock motor housing of tool into the jaws of a vise having brass jaws or the equivalent.
- Insert a SDS Plus adaptor* into spindle.
- Turn torque wrench clockwise as viewed from the front of the tool until the single slip cycle has been accomplished. Observe the torque reading. Slip clutch a minimum of three times for the most accurate reading.

*SDS Plus Adaptor being used is made by threading a ½" x 20 hex nut onto the threads of SDS adaptor No. 48-03-3005.
Note: Apply RED Loctite to threads of hex nut prior to tightening.

Max = 240in/lbs or 20ft/lbs • **Min =** 150in/lbs or 12.5ft/lbs

IMPORTANT:
Rounded side of Washers (14) must be placed facing the inside surface of Piston (13) as shown.



●14-46-5265
Rotary Hammer Service Kit

2	42-52-5262	Dust Cap	(1)
3	31-58-0037	Chuck Sleeve	(1)
4	44-90-0014	C-Ring	(2)
10c	34-40-1425	O-Ring	(1)
10e	34-40-0018	O-Ring	(1)
10f	34-40-1410	O-Ring	(1)
10h	34-40-1440	O-Ring	(1)
10k	44-90-1026	Snap Ring	(1)
10s	44-90-0216	C-Ring (Thicker)	(1)
10t	44-90-0215	C-Ring (Thinner)	(1)
12a	34-40-1511	O-Ring	(1)
14	45-88-5200	Washer	(2)
17a	43-44-1375	Gasket	(1)
26	22-18-0032	Carbon Brush	(2)
29a	44-90-1180	C-Ring	(1)
29m	06-82-0017	M4.0 x 0.7 Screw	(1)
36	05-74-1030	Taptite Screw	(2)
	49-08-5355	'Q2' Grease 2.8 oz. tube	(1)
	49-08-5262	'S2' Grease 1.4 oz. tube	(2)

FIG.	PART NO.		DESCRIPTION OF PART	NO. REQ.
1	14-34-5262		Auxilary Side Handle Assembly	(1)
1a	44-94-5381		Depth Gage Rod	(1)
2	42-52-5262	●	Rubber Cap	(1)
3	31-58-0037	●	Chuck Sleeve	(1)
4	44-90-0014	●	C-Ring	(2)
5	02-02-0275		Steel Ball	(2)
6	42-36-0191		Ball Plate	(1)
7	40-50-5262		Conical Spring	(1)
8a	28-14-0013		Gearcase w/ Bushing, Bearings, Seal & Screw	(1)
8d	44-90-1011		Lock Plate	(1)
8e	40-50-0870		Lock Plate Spring	(1)
9	44-10-5264		Shift Knob Assembly	(1)
10	32-75-0019		SDS Spindle and Gear Assembly	(1)
10a	38-50-0034		SDS Spindle	(1)
10b	43-06-0040		Brake Ring	(1)
10c	34-40-1425	●	O-Ring	(1)
10d	45-22-0870		Anvil Sleeve	(1)
10e	34-40-0018	●	O-Ring	(1)
10f	34-40-1410	●	O-Ring	(1)
10g	45-08-0650		Anvil	(1)
10h	34-40-1440	●	O-Ring	(1)
10j	42-76-1001		Washer	(1)
10k	44-90-1026	●	Snap Ring	(1)

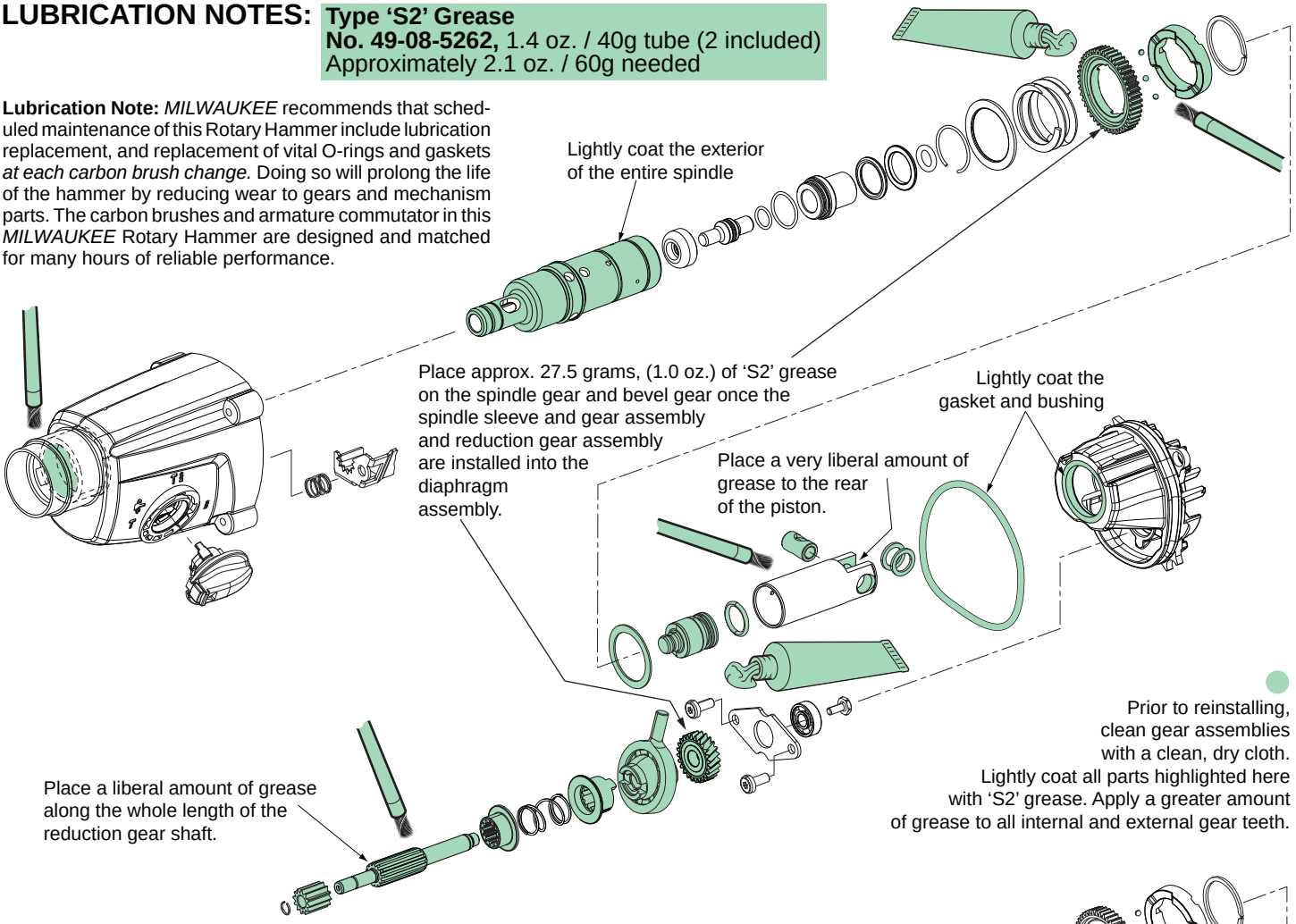
●= Component of the 14-46-5265 5262-21 Maintenance Service Kit

10m	45-88-2115		Washer	(1)
10n	40-50-1721		Clutch Spring	(1)
10p	32-75-1831		2nd Stage Gear	(1)
10q	42-70-0782		Clutch Plate	(1)
10r	02-02-1230		Steel Ball	(3)
10s	44-90-0216		C-Ring (Thicker then 10t)	(1)
10t	44-90-0215	●	C-Ring	(1)
11	45-88-0026	●	Washer	(1)
12	45-56-0037		Striker Assembly	(1)
12a	34-40-1511		O-Ring	(1)
12b	----------	●	Striker	(1)
13	44-62-0058		Piston	(1)
14	45-88-5200		Washer	(2)
15	44-60-0033	●	Wrist Pin	(1)
16	06-81-5383		M4 x 35mm Pan Hd. Plast. T-20 Screw	(4)

LUBRICATION NOTES:

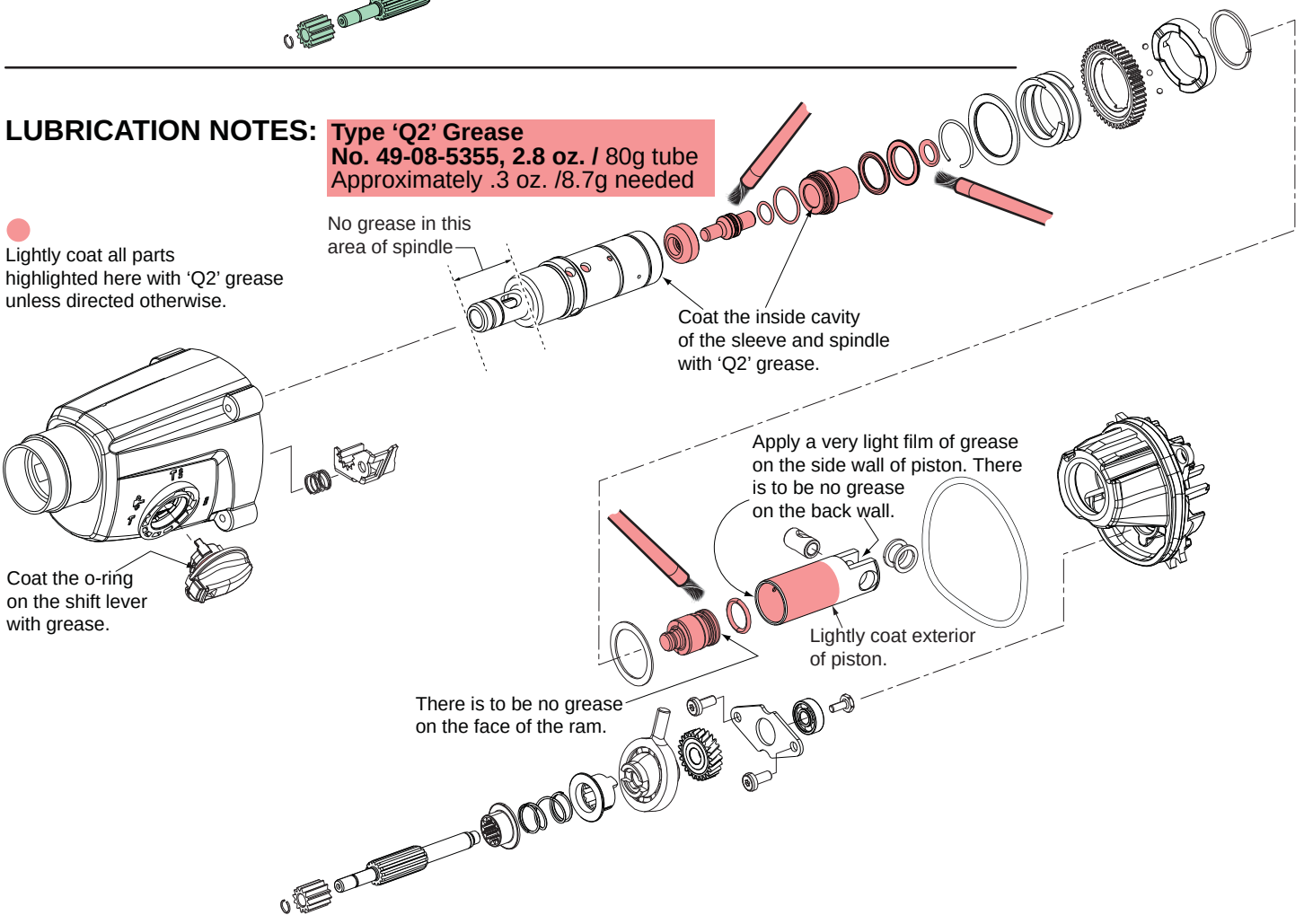
Type ‘S2’ Grease
No. 49-08-5262, 1.4 oz. / 40g tube (2 included)
Approximately 2.1 oz. / 60g needed

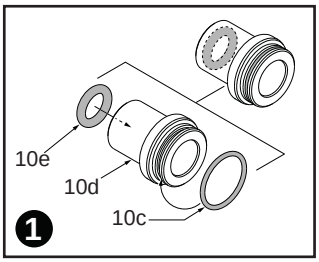
Lubrication Note: *MILWAUKEE* recommends that scheduled maintenance of this Rotary Hammer include lubrication replacement, and replacement of vital O-rings and gaskets *at each carbon brush change.* Doing so will prolong the life of the hammer by reducing wear to gears and mechanism parts. The carbon brushes and armature commutator in this *MILWAUKEE* Rotary Hammer are designed and matched for many hours of reliable performance.

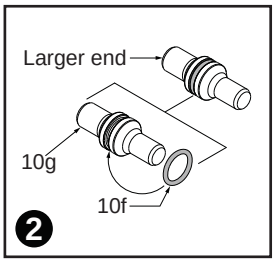


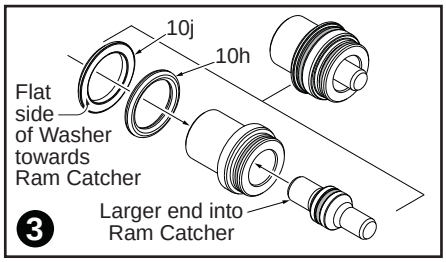
LUBRICATION NOTES:

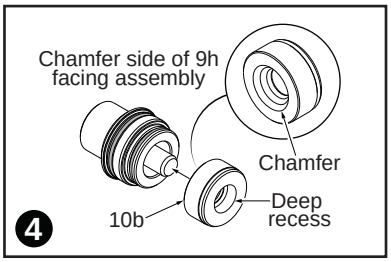
Type ‘Q2’ Grease
No. 49-08-5355, 2.8 oz. / 80g tube
Approximately .3 oz. /8.7g needed

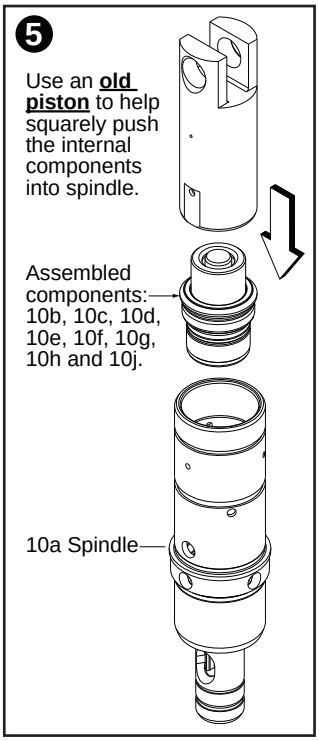


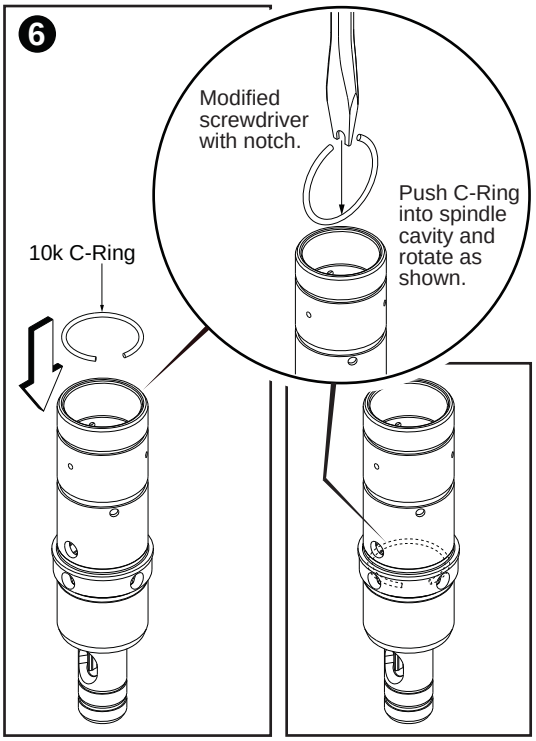


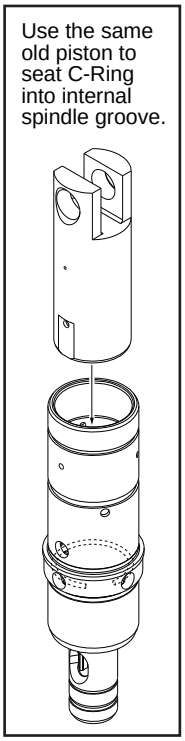






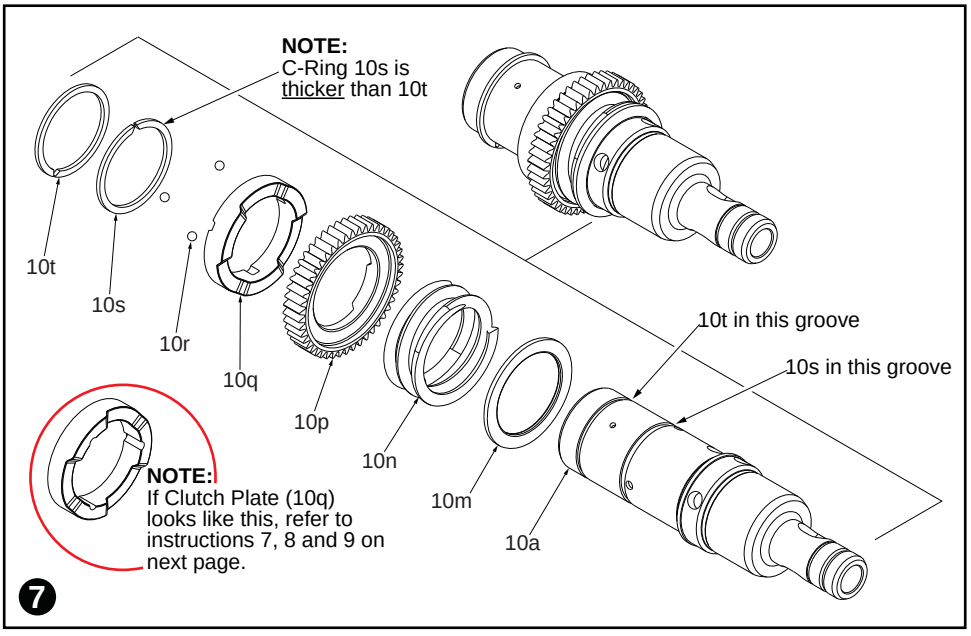


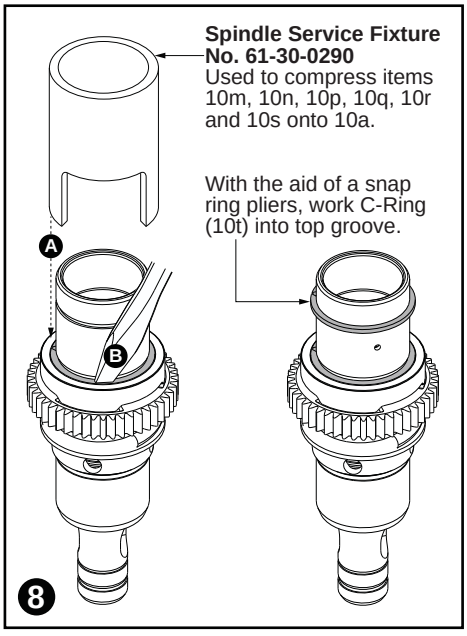




Assembly of internal Spindle components:

1. Lubricate Ram Catcher and O-Rings. Assemble O-Rings onto and into Ram Catcher.
2. Lubricate Anvil and O-Ring. Assemble O-Ring onto Anvil.
3. Assemble Anvil Assembly into Ram Catcher Assembly (large end into Ram Catcher as shown).
4. Place the chamfered end of the Stop Washer over the small end of the Anvil.
5. Place the assembled components from step 4 into the cavity of an old piston as shown. Use the old piston as an aid to push the assembled components deep into the Spindle cavity.
6. C-Ring (10k) will be used to secure internal components inside the spindle. *It is recommended to modify a flat blade screwdriver by filing or grinding a notch into the blade.* Place the C-Ring upright as shown with the opening of the ring straight up. Use the modified screwdriver to push the C-Ring down into the Spindle cavity. Rotate the C-Ring in the spindle cavity as shown.Place the old piston into the Spindle cavity and tap the piston with a mallet to secure the C-Ring in the groove.





Assembly of external Spindle components:

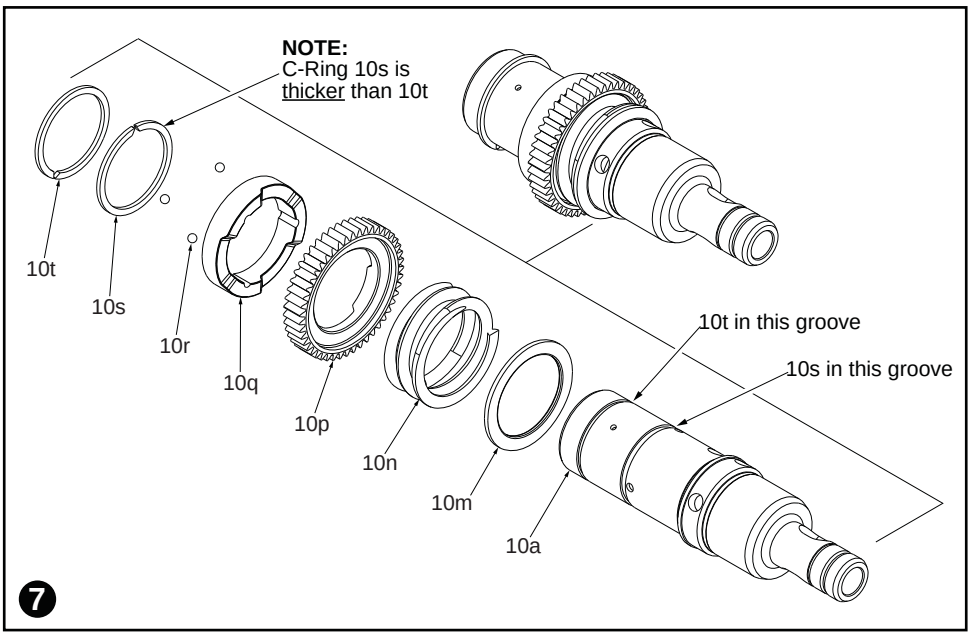
7. Install Washer 10m and Spring 10n onto spindle. Lubricate and install the Clutch Gear 10p and Clutch Plate 10q onto the Spindle. Be sure to orient the part as shown and position with the three notches on the back of the plate over the holes in the spindle.

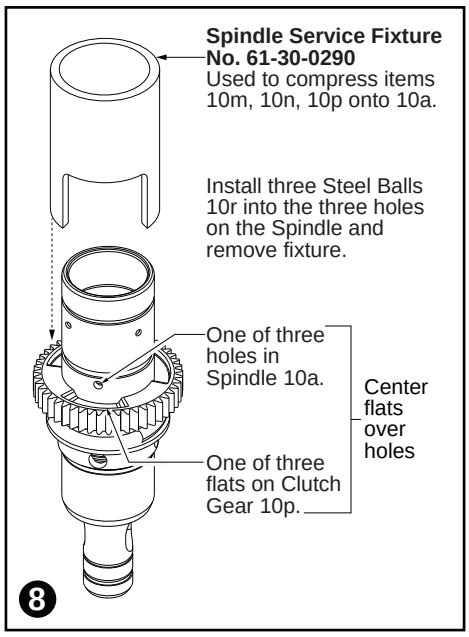
   Place C-Ring 10s onto Spindle. (C-Ring 10s has a thicker cross section than C-Ring 10t.) With the aid of a snap ring pliers, work the C-Ring past the first spindle groove down to the other parts assembled onto spindle.

8. Place Spindle Service Fixture 61-30-0290 over the assembled parts and the Spindle. Position so the fixture rests on Clutch Plate 10q. Be sure the three notches are not covered. Place the fixture and spindle assembly in an arbor press and carefully compress the Clutch Spring enough to expose the three holes in the Spindle. As an aid, put a dab of grease on your finger to pick up and place the three Steel Balls 10r into the three small holes on the Spindle just above Clutch Plate. Ensure the notches in the Clutch Plate are aligned with the Steel Balls.

   While compressed Ⓐ, use a screwdriver Ⓑ to work C-Ring 10s into the Spindle groove. Ensure the Steel Balls are in place and slowly retract the arbor press. The Clutch Plate should slide over the Steel Balls until it is in contact with the C-Ring.

   Place C-Ring 10t onto Spindle. With the aid of a snap ring pliers, work the C-Ring into the first spindle groove and snap into place.





Assembly of external Spindle components:

7. Install Washer 10m and Spring 10n onto spindle. Lubricate and install the Clutch Gear 10p onto the Spindle 10a. Be sure to orient the part as shown with the three flats on the Clutch Gear centered over the holes in the spindle.

8. Place Spindle Service Fixture 61-30-0290 over the assembled parts and the Spindle. Position so the fixture rests on the Clutch Gear 10p. Be sure the three holes on the Spindle are not covered. Place the fixture and spindle assembly in an arbor press and carefully compress the Clutch Spring enough to expose the three holes in the Spindle.

   As an aid, put a dab of grease on your finger to pick up and place the three steel balls 10r into the three small holes on the Spindle just above the Clutch Gear.

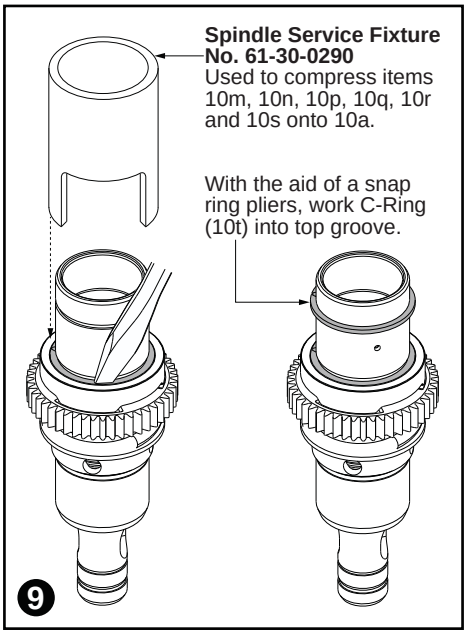
   Remove the Spindle from the arbor press.

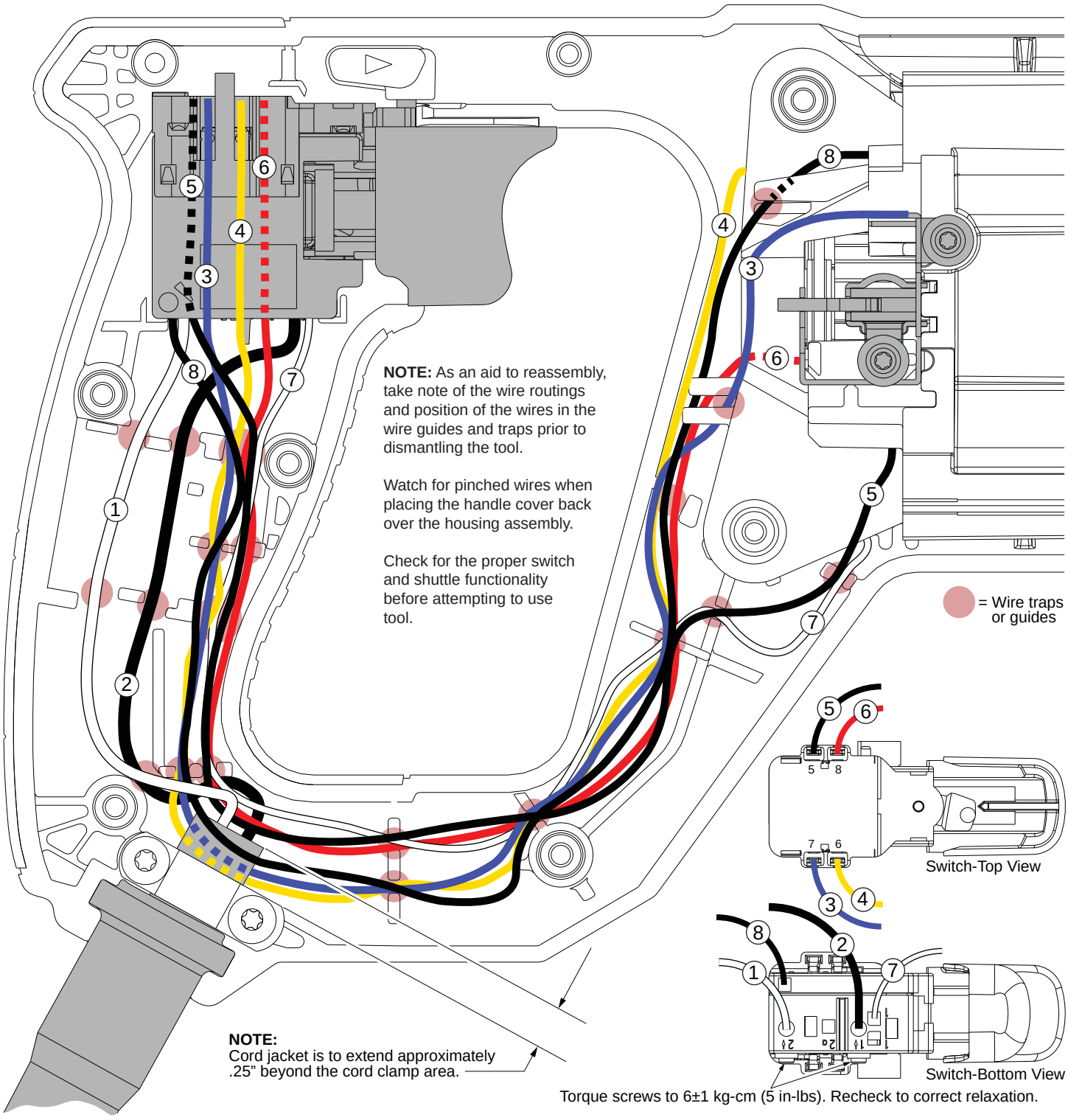
9. Lubricate and install the Clutch Plate 10q onto the Spindle. Be sure to orient the part such that three inside notches on the plate cover the Steel Balls in the Spindle. Place the C-Ring 10s onto the Spindle. (**NOTE:** C-Ring 10s has a thicker cross-section than C-Ring 10t). With the aid of a snap ring pliers, work the C-Ring past the first spindle groove, down to the other parts assembled onto the spindle.

   Place Spindle Service Fixture 61-30-0290 over the assembled parts and the Spindle. Place the fixture and spindle assembly in an arbor press and carefully compress the Clutch Spring enough to expose the C-Ring groove in the Spindle.

   While compressed, use a flat blade screwdriver to work C-Ring 10s into the spindle groove. Ensure that the Steel Balls are still in the spindle. Slowly retract the arbor press. The Clutch Plate should slide over the Steel Balls until it is in contact with the C-Ring.

   With the aid of a snap ring pliers, work C-Ring 10t into top groove of Spindle.





WIRING SPECIFICATIONS				
Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation
1	White	-----	-----	Component of cord set. Connect to '2↓' position on bottom of switch.
2	Black	-----	-----	Component of cord set. Connect to '1↓' position on bottom of switch.
3	Blue	23-94-0037	-----	Connect to position '7' on right side of switch and the right brush holder.
4	Yellow	-----	-----	From top left field coil to position '6' on right side of switch.
5	Black	-----	-----	From bottom right field coil to position '5' on left side of switch.
6	Red	23-94-0033	-----	Connect to position '8' on switch and the left brush holder.
7	White	-----	-----	From bottom left field coil to position '1' on bottom of switch.
8	Black	-----	-----	From top right field coil to '2' on bottom of switch.

BULK LEAD WIRE - BULLETIN 58-01-0003