



SERVICE PARTS LIST

BULLETIN NO.
54-24-0140

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS		REVISED BULLETIN	DATE
1-9/16" (40mm) SDS-Max Rotary Hammer			June 2026
CATALOG NO.	5517-20	SERIAL NO.	N89A
		WIRING INSTRUCTION SEE PAGE 5 thru 7	

● = Component of
14-46-0496
5517-20 General
Maintenance
Service Kit (See
page 3 for complete
BOM of kit)

FIG. PART NO. DESCRIPTION OF PART NO. REQ.

22	22a 22b 22c 22d 22e 22f 22g 22h 22j 22k 22m 22n 28 29 32b	Mid Gearcase Svc. Kit (Components also on page 2)	(1)
22a		Mid Gearcase	(1)
22c		● Felt Plug	(2)
22d		Crank Shaft	(1)
22e		Bevel Retaining Ring	(1)
22f		Ball Bearing	(1)
22g		Snap Ring	(1)
22h		Crank Gear	(1)
22j		Retaining Ring	(1)
22m		Flat Washer	(8)
22n		Spring Washer	(2)
28		M5 x 17mm Pan Hd. T-25 Machine Screw	(8)
29		M-Clutch Service Assembly	(1)
32		Long Clutch Spring	(8)
34	34a 34b 34c 34d 34e 34f 34g	Clutch Driver	(1)
34a		Bevel Pinion	(1)
34b		Clutch Bearing	(1)
34c		Clutch Roller	(1)
34d		Clutch Spring	(8)
34e		Clutch Spring	(8)
34f		Clutch Spring	(8)
34g		Clutch Spring	(8)
35		Clutch Spring	(8)
36		Clutch Spring	(8)
37		Clutch Spring	(8)
38	38a 38b 38c 38d 38e	Clutch Spring	(8)
38a		Clutch Spring	(8)
38b		Clutch Spring	(8)
38c		Clutch Spring	(8)
38d		Clutch Spring	(8)
38e		Clutch Spring	(8)
39	39a 39b 39c 39d 39e 39f 39g 39h 39i 39j 39k 39l 39m 39n 39o 39p 39q 39r 39s 39t 39u 39v 39w 39x 39y 39z	Clutch Spring	(8)
39a		Clutch Spring	(8)
39b		Clutch Spring	(8)
39c		Clutch Spring	(8)
39d		Clutch Spring	(8)
39e		Clutch Spring	(8)
39f		Clutch Spring	(8)
39g		Clutch Spring	(8)
39h		Clutch Spring	(8)
39i		Clutch Spring	(8)
39j		Clutch Spring	(8)
39k		Clutch Spring	(8)
39l		Clutch Spring	(8)
39m		Clutch Spring	(8)
39n		Clutch Spring	(8)
39o		Clutch Spring	(8)
39p		Clutch Spring	(8)
39q		Clutch Spring	(8)
39r		Clutch Spring	(8)
39s		Clutch Spring	(8)
39t		Clutch Spring	(8)
39u		Clutch Spring	(8)
39v		Clutch Spring	(8)
39w		Clutch Spring	(8)
39x		Clutch Spring	(8)
39y		Clutch Spring	(8)
39z		Clutch Spring	(8)
40		M5 x 13mm Pan Hd. T-25 Machine Screw	(2)
41		M4 x 70mm Pan Hd. Phillips ST Screw	(2)
42		Fan Baffle	(1)
43		120 V Service Field	(1)
44		Housing Cover	(1)
45		Housing Support	(1)
46		M5 x 18mm Pan Hd. T-20 PT Screw	(9)
47		Motor Housing	(1)
48		M5 x 25mm Pan Hd. T-25 Machine Screw	(4)
49		M4 x 9mm Pan Hd. T-15 ST Screw	(2)
50		Motor Cap	(1)
51		Right Carbon Brush	(1)
52		Brush Holder Assembly	(2)
53		Left Carbon Brush	(1)
54		M4 x 18mm Pan Hd. T-20 ST Screw	(4)
55		Auxiliary Side Handle Assembly	(1)
55a		Auxiliary Handle Clamp	(1)
55b		Square Nut	(1)
55c		Clamp Holder	(1)
55d		Side Handle	(1)
56		#8-32 Pan Hd. T-20 Taptite Screw	(1)
57		AVS Rubber	(1)
58		Rear Handle Service Kit	(1)
58a		Rear Handle Support	(1)
58b		Rear Handle Cover	(1)
58c		Handle Foam Bushing, 3mm	(2)
58d		Handle Foam Bushing	(2)
59		PCBA	(1)
60		Trigger Cap	(1)
61		On-Off Switch	(1)
62		M4 x 16mm Pan Hd. T-20 ST Screw	(2)
63		Cord Clamp	(1)
64		120V Power Cord	(1)
65		120V Ground Wire	(1)
69		Close End Connector	(3)
71		Service Nameplate (Not Shown)	(1)
72		Blow Molded Carrying Case	(1)
80		Brush Service Kit (Set of two brushes)	(1)

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

● = Component of the **14-46-0496**
 5517-20 General Maintenance Service Kit
 See page three for a complete BOM of this kit.

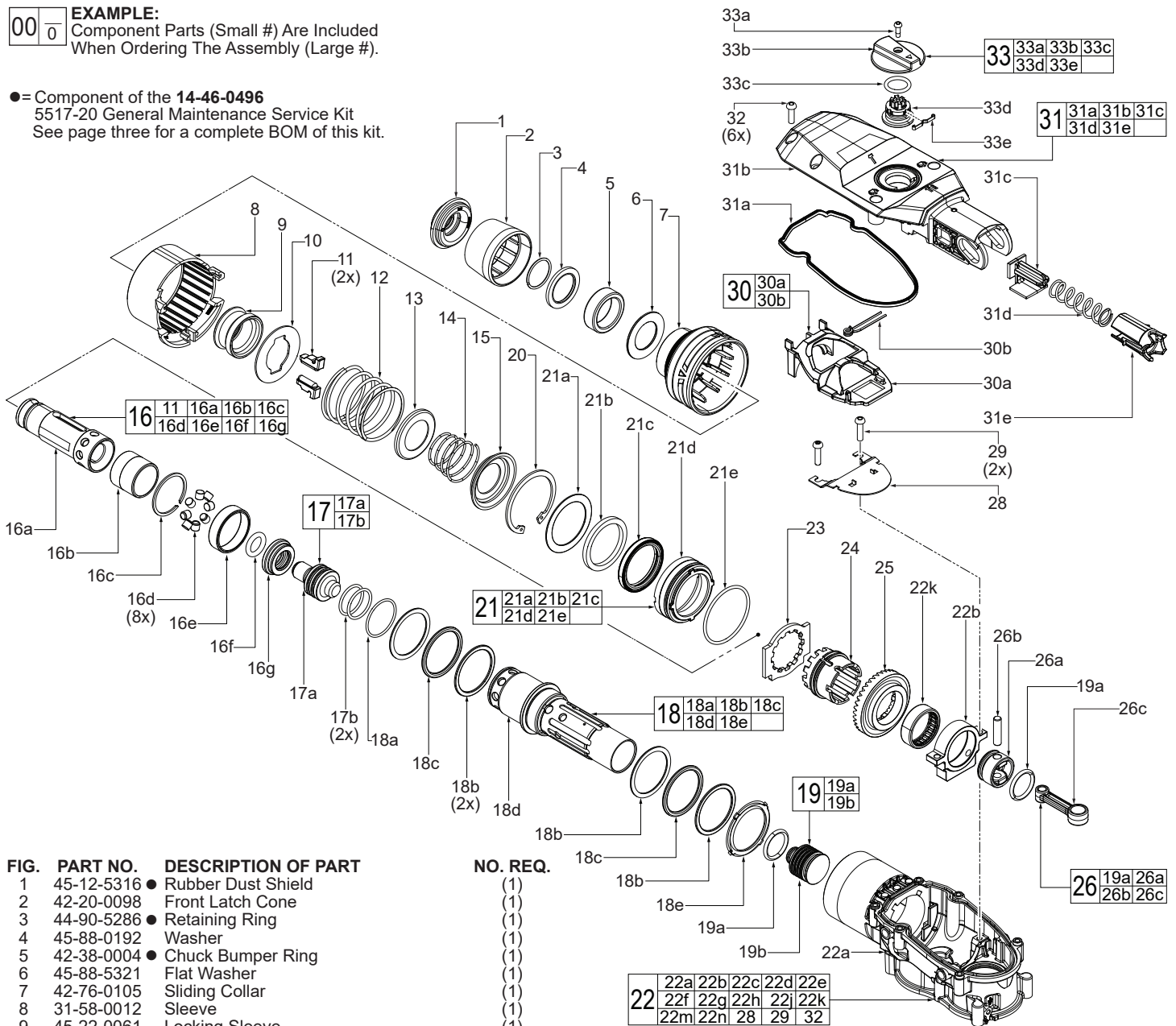


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	45-12-5316	● Rubber Dust Shield	(1)
2	42-20-0098	Front Latch Cone	(1)
3	44-90-5286	● Retaining Ring	(1)
4	45-88-0192	Washer	(1)
5	42-38-0004	● Chuck Bumper Ring	(1)
6	45-88-5321	Flat Washer	(1)
7	42-76-0105	Sliding Collar	(1)
8	31-58-0012	Sleeve	(1)
9	45-22-0061	Locking Sleeve	(1)
10	34-40-0231	Retaining Plate	(1)
11	42-68-0071	● Double Spring Latch	(2)
12	40-50-0481	Chuck Spring	(1)
13	45-88-0306	Double Spring Latch Washer	(1)
14	40-50-0466	Cone Spring	(1)
15	40-50-0482	Spring Retainer	(1)
16	38-50-0112	SDS Max Front Spindle Service Assembly	(1)
16a	-----	SDS Max Spindle Driver	(1)
16b	-----	Anvil Sleeve	(1)
16c	44-90-1002	● Spindle Cap Snap Ring	(1)
16d	44-60-7044	● Spindle Pins	(8)
16e	-----	● Spindle Cap	(1)
16f	34-40-0446	● Striker Catch O-Ring	(1)
16g	-----	Anvil Guide	(1)
17	14-46-0362	Anvil Service Assembly	(1)
17a	-----	Anvil	(1)
17b	34-40-0447	● Anvil O-Ring	(2)
18	38-50-0111	5Kg Spindle Service Assembly	(1)
18a	34-40-0301	● Front Spindle O-Ring	(1)
18b	-----	Spindle Bumper Washer	(1)
18c	34-40-0331	● Spindle Bumper Ring	(2)
18d	-----	Spindle Sleeve	(1)
18e	-----	Tab Washer	(1)
19	42-62-0117	Striker Service Assembly	(1)
19a	34-40-0448	● Striker/Piston O-Ring	(1)
19b	-----	Striker	(1)
20	34-40-5315	C Retaining Ring	(1)
21	42-40-0016	Front Spindle Bushing Service Kit	(1)
21a	45-88-0433	● Spindle Seal Cup Washer	(1)
21b	43-44-0091	● Felt Seal	(1)
21c	43-44-0092	● Spindle Lip Seal	(1)
21d	-----	● Front Spindle Bushing	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
21e	34-40-0333	● Front Bushing O-Ring	(1)
22	28-14-0028	Mid Gearcase Svc. Kit (Components also on page 1)	(1)
22a	-----	Mid-Gearcase	(1)
22b	-----	● Rear Bushing	(1)
22k	-----	Needle Bearing	(1)
23	44-66-0271	Locking Plate	(1)
24	31-50-0273	Mode Select Collar	(1)
25	32-05-0041	Bevel Gear	(1)
26	44-62-0054	Piston Service Assembly	(1)
26a	-----	Piston	(1)
26b	-----	Wrist Pin	(1)
26c	-----	Connector Rod	(1)
28	42-92-0277	Fork Support Plate	(1)
29	05-78-0033	M5 x 20mm Pan Hd. T-25 Machine Screw	(2)
30	14-46-0443	Fork Service Assembly	(1)
30a	-----	Fork	(1)
30b	-----	Fork Spring	(1)
31	14-30-0152	Gearcase Cover Service Assembly	(1)
31a	43-44-0008	● Gearcase Cover Gasket	(1)
31b	-----	Gearcase Cover	(1)
31c	40-50-0214	Spring Holder	(1)
31d	40-50-0421	Spring	(1)
31e	43-56-0011	Handle Spring Carrier	(1)
32	06-82-2873	M5 x 17mm Pan Hd. T-25 Machine Screw	(6)
33	43-98-0123	Selector Knob Service Kit	(1)
33a	06-82-0032	M4 x 12mm Pan Hd. T-20 ST Screw	(1)
33b	-----	Selector Knob	(1)
33c	34-40-0449	● O-Ring	(1)
33d	-----	Mode Selector Cam	(1)
33e	40-50-0224	H Spring	(1)

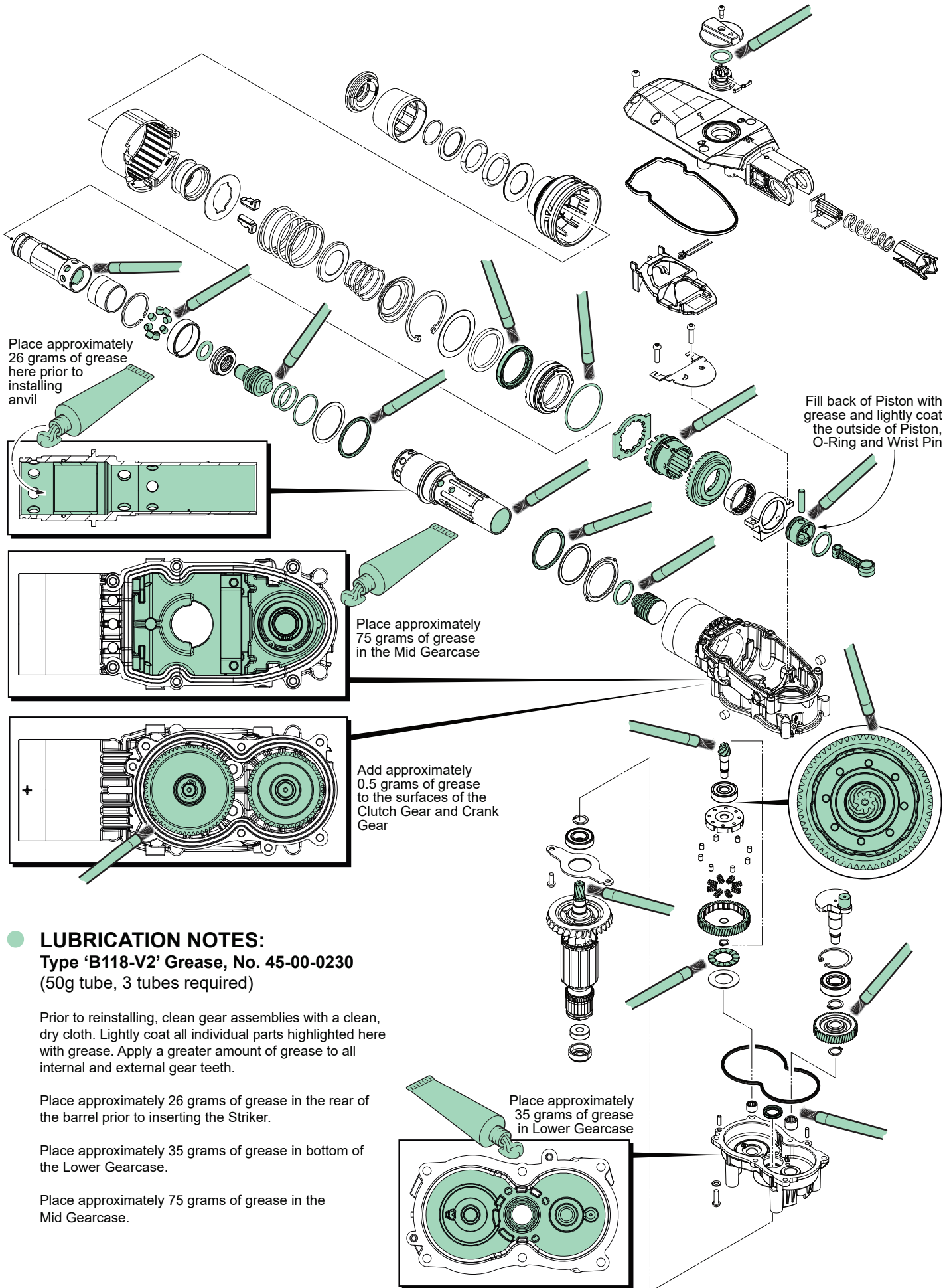
General Maintenance Service Kit

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	45-12-5316	Rubber Dust Shield	(1)
3	44-90-5286	Retaining Ring	(1)
5	42-38-0004	Chuck Bumper Ring	(1)
11	42-68-0071	Double Spring Latch	(2)
16c	34-60-0034	Spindle Cap Snap Ring	(1)
16d	06-65-0154	Spindle Pins	(8)
16e	-----	Spindle Cap	(1)
16f	34-40-0446	Striker Catch O-Ring	(1)
17b	34-40-0447	Anvil O-Ring	(2)
18a	34-40-0301	Front Spindle O-Ring	(1)
18c	34-40-0331	Spindle Bumper Ring	(2)
19a	34-40-0448	Striker/Piston O-Ring	(1)
21a	45-88-0433	Spindle Seal Cup Washer	(1)
21b	43-44-0091	Felt Seal	(1)
21c	43-44-0092	Spindle Lip Seal	(1)
21d	-----	Front Spindle Bushing	(1)
21e	34-40-0333	Front Bushing O-Ring	(1)
22c	43-84-0031	Felt Plug	(2)
31a	43-44-0008	Gearcase Cover Gasket	(1)
33c	34-40-0449	O-Ring	(1)
37	43-44-0118	Lower Gearcase Gasket	(1)
38c	43-42-0093	Motor Shaft Seal	(1)
80	22-16-0031	Brush Service Kit (Set of two brushes)	(1)
	45-00-0230	B118-V2 Grease (50g Tube)	(3)
	-----	Jumper (Disposable after Resetting Light)	(1)

See page 8
for procedure
to Reset the
Service Light

SCREW TORQUE SPECIFICATIONS

FIG.	PART NO.	DESCRIPTION OF FASTENER	WHERE USED	SEAT TORQUE	
				(kgf-cm)	(lb-in)
29	05-78-0033	M5 x 20mm Pan Hd. T-25 Machine Screw	Upper Rear Bushing	50±5	43.3±4.3
32	06-82-2873	M5 x 17mm Pan Hd. T-25 Machine Screw	Gearcase Cover	35±4	30.3±3.4
32	06-82-2873	M5 x 17mm Pan Hd. T-25 Machine Screw	Mid Gearcase Bottom Rear Bushing	80±8	69.4±6.9
32	06-82-2873	M5 x 17mm Pan Hd. T-25 Machine Screw	Lower Gearcase	70±5	60.7±4.3
33a	06-82-0032	M4 x 12mm Pan Hd. T-20 ST Screw	Mode Selector	22±2	19.0±1.7
40	05-78-0032	M5 x 13mm Pan Hd. T-25 Machine Screw	Bearing Retaining Plate	25±3	21.6±2.6
41	05-88-1275	M4 x 70mm Pan Hd. Phillips ST Screw	Fan Baffle / Field	18±1.5	15.6±1.3
46	05-78-5311	M5 x 18mm Pan Hd. T-20 PT Screw	Rear Handle Cover	29±3	25.1±2.6
46	05-78-5311	M5 x 18mm Pan Hd. T-20 PT Screw	Housing Cover	29±3	25.1±2.6
48	05-78-0019	M5 x 25mm Pan Hd. T-25 Machine Screw	Motor Housing	55±5	47.7±4.3
49	05-78-5313	M4 x 9mm Pan Hd. T-15 ST Screw	Brush Holder	15±1.5	13.0±1.3
54	06-82-0044	M4 x 18mm Pan Hd. T-20 ST Screw	Motor Cap	15±1.5	13.0±1.3
56	06-82-8828	#8-32 Pan Hd. T-20 Taptite Screw	Ground Wire	18±2	15.6±1.7
62	06-82-0995	M4 x 16mm Pan Hd. T-20 ST Screw	Cord Clamp	20±2	17.3±1.7



White wire from the PCBA to white field wire

Red wire from PCBA to red field wire

White wire with flag terminal from PCBA to tab location 2 on switch

Blue PCBA wire to white cord wire

Brown PCBA wire to black cord wire

White PCBA wire with red ferrule to switch location 2↑

LED Assembly

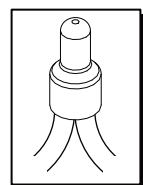
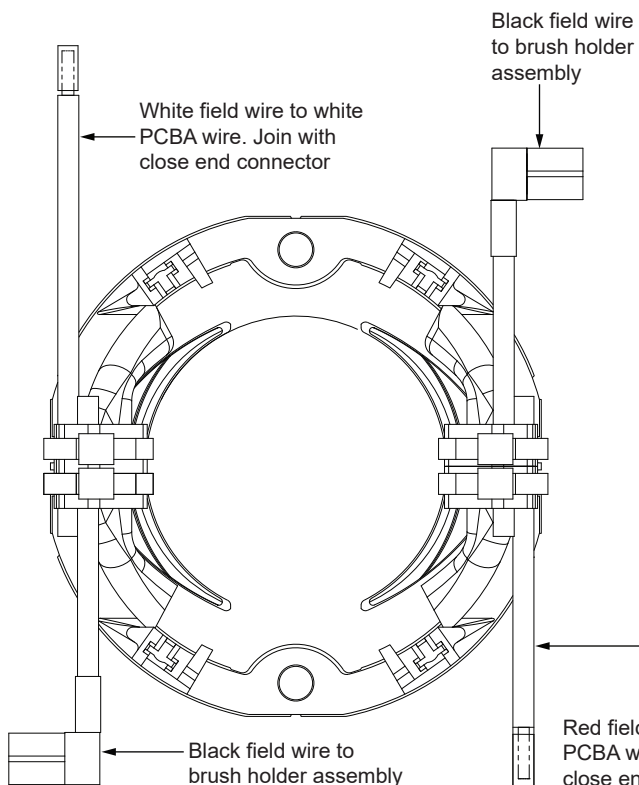
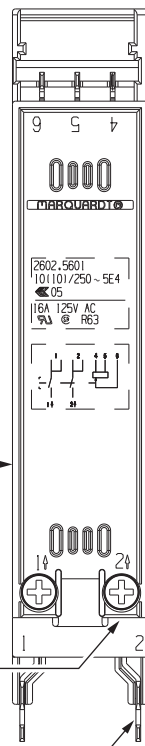
On-Off Switch

Hall Sensor and Housing

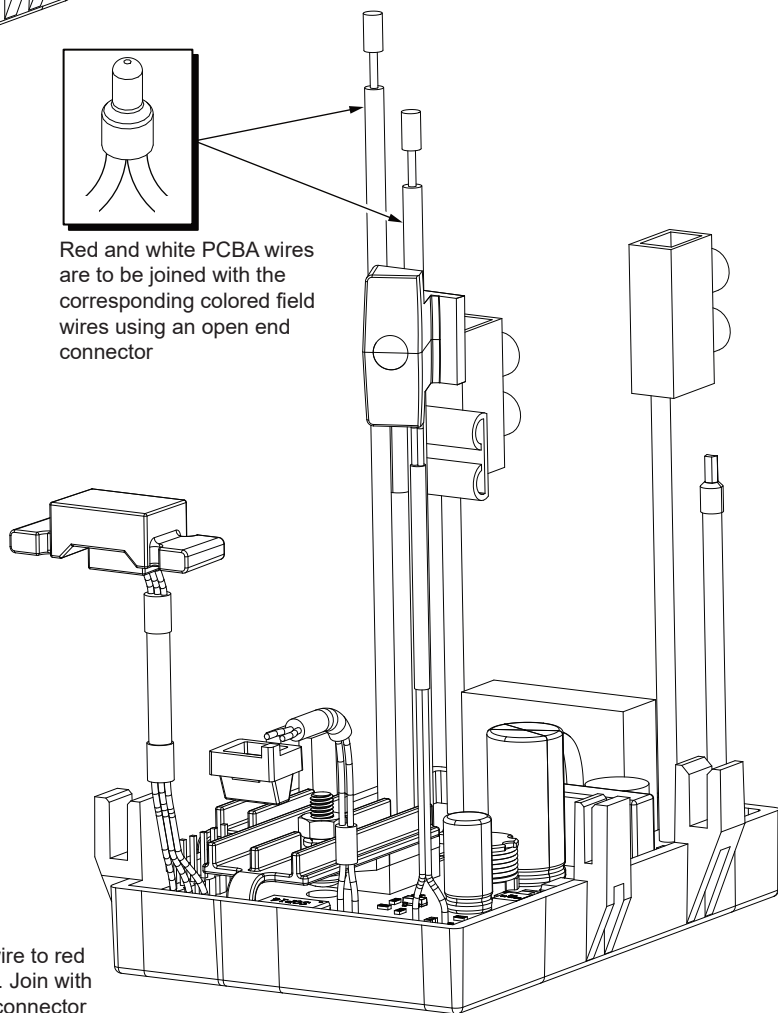
Service LED

Connect white wire with red ferrule from PCBA to switch location 2↑

Connect white wire with flag terminal from PCBA to the tab location 2 on Switch

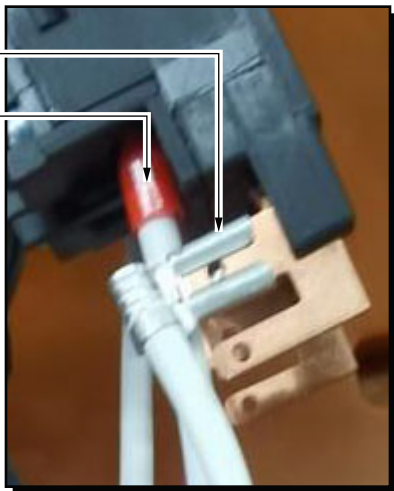
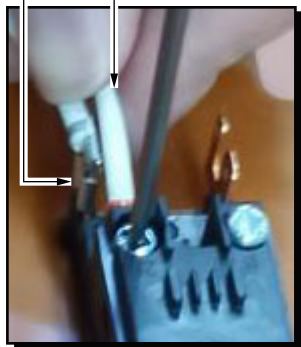


Red and white PCBA wires are to be joined with the corresponding colored field wires using an open end connector



White wire with flag terminal from PCBA

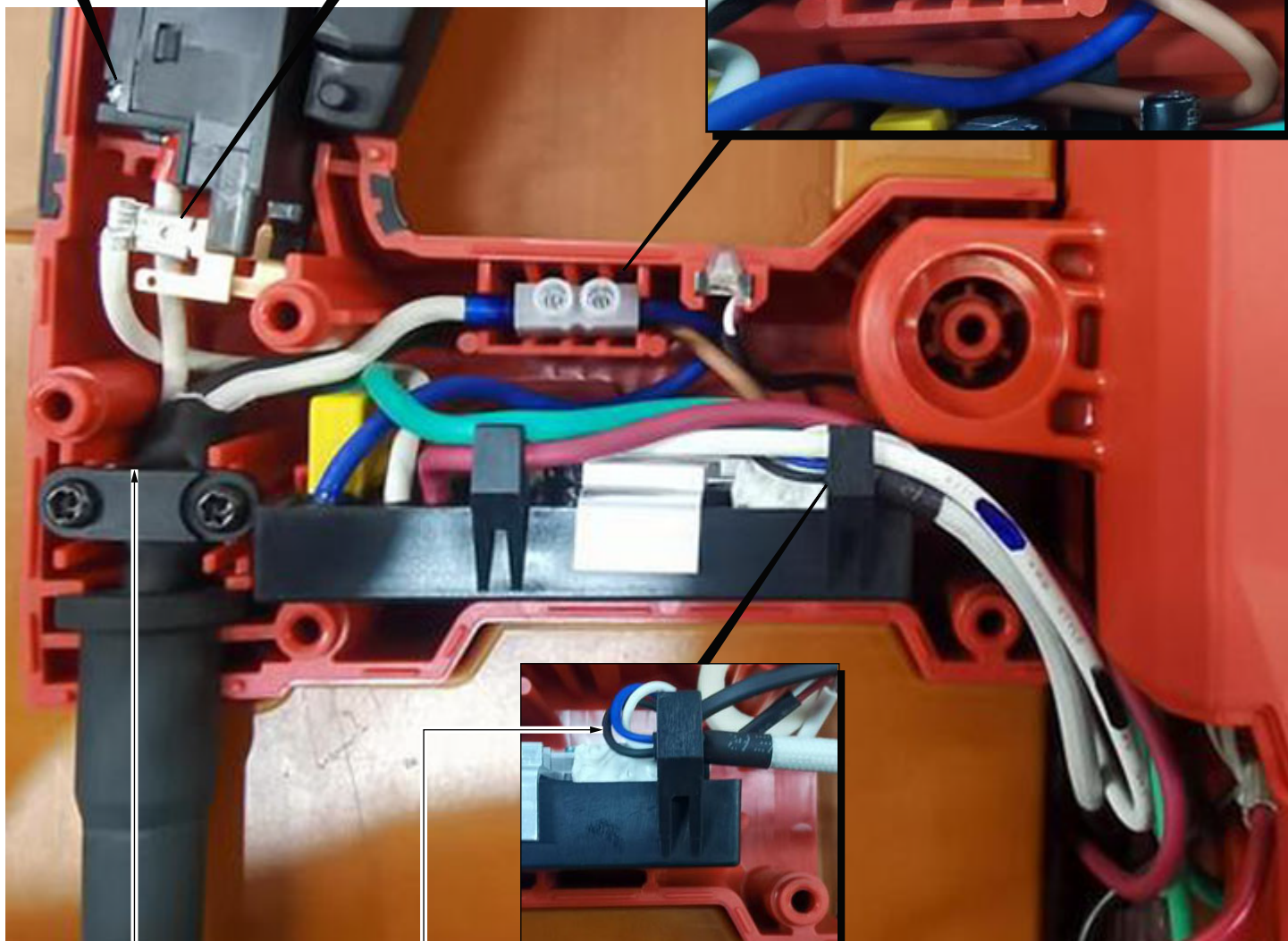
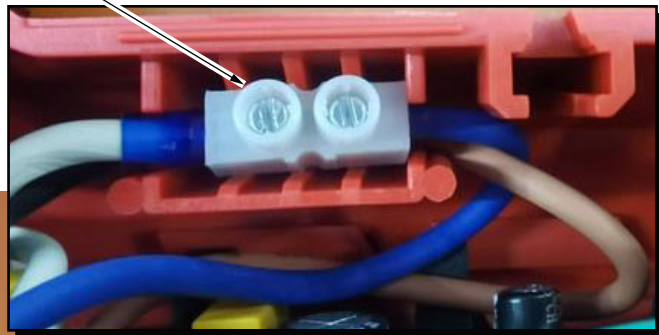
White wire with red ferrule from PCBA



Connector Block joining black and brown wires is to be placed in handle cavity first. Connector Block joining white and blue wires on top in cavity.



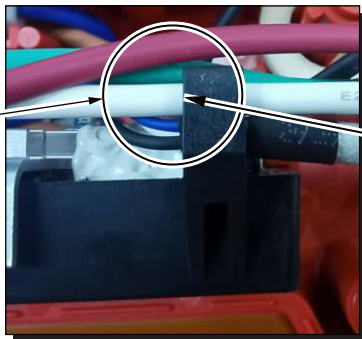
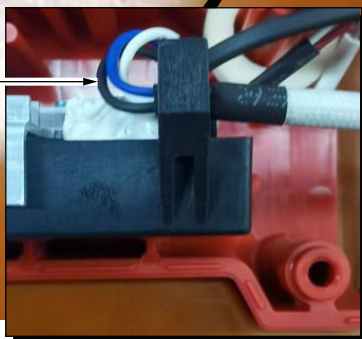
Connector Block joining white and blue wires to be placed on top in cavity.



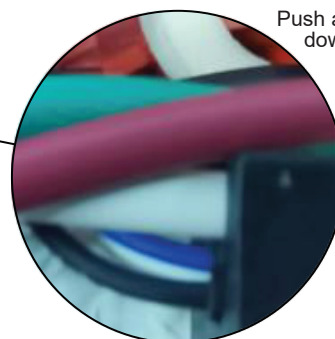
Cord jacket to extend .25" minimum beyond the top of Cord Clamp

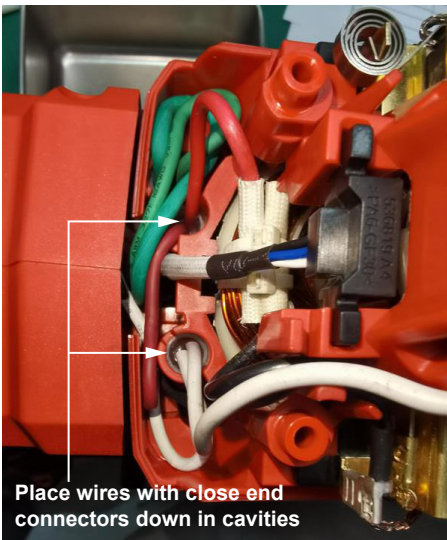
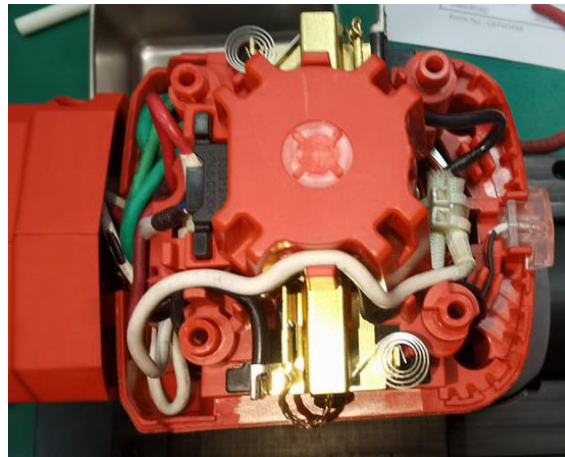
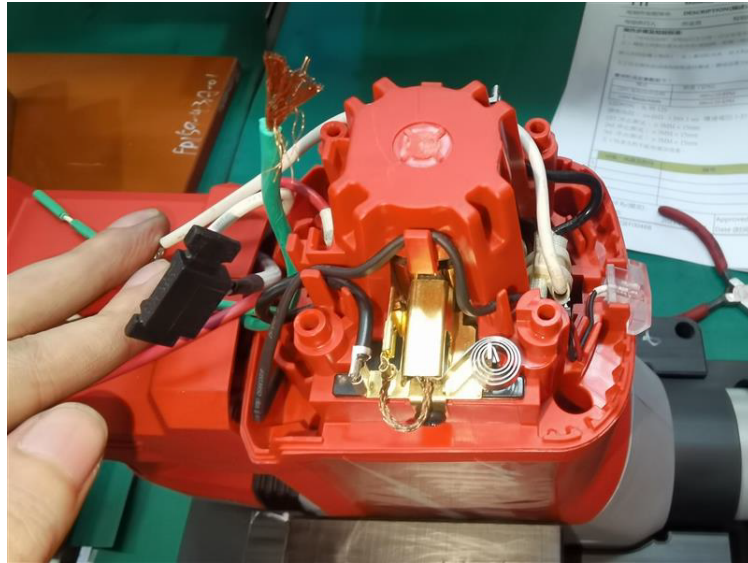
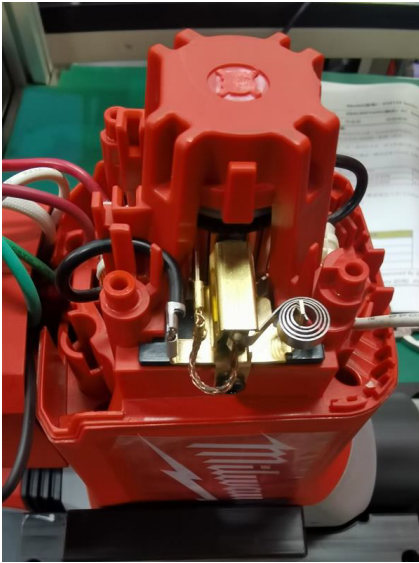
Wires for Hall Sensor are to be placed in wire trap first as shown.

Place in the trap, on top of the Hall sensor wires, the white and red PCBA wires and the green ground wire from the cord.

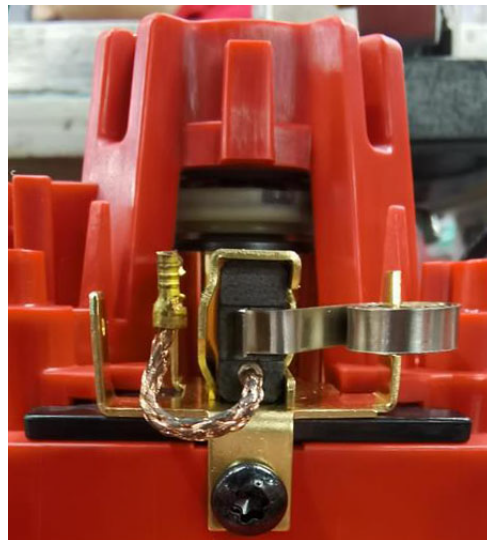


Push all wires firmly down in wire trap





Place wires with close end connectors down in cavities



Photos on this page depict components, wires and wire routing of the electronics package (See page 5).

Install all components firmly and squarely in corresponding cavities of the Motor Housing. Route all wires as shown being sure those placed in wire traps are pressed completely down in bottom of traps. Tuck all excess wires down into Motor Housing cavities to avoid pinching when the housings are reassembled.

As an aid to reassembly, take notice of wire routings and position in wire guides and traps while dismantling tool.

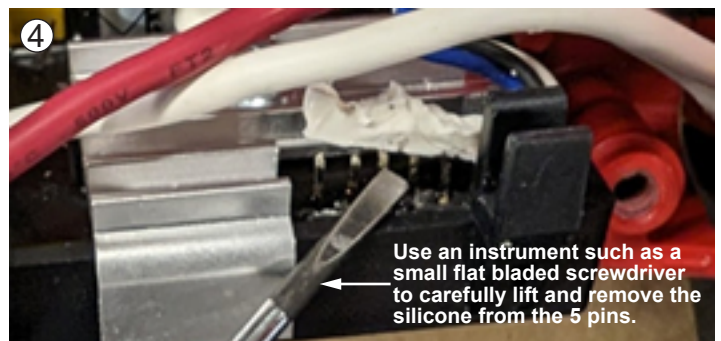
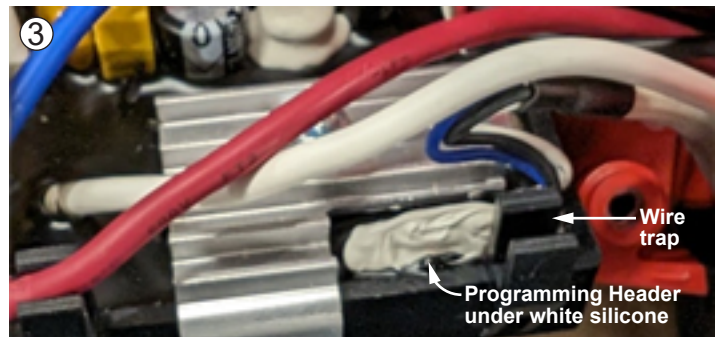
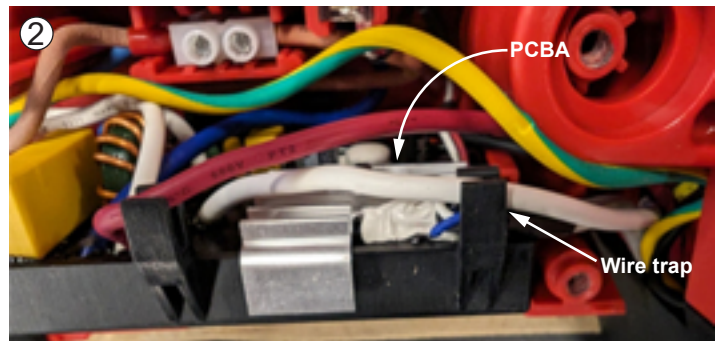
Be sure that all components of the electronics assembly are seated firmly and squarely in housing recesses.

Avoid pinched wires, be sure that all wires and sleeves are pressed completely down in wire traps.

Prior to securing housing Motor Cap onto the Motor Housing, be sure that there are no interferences.

Check for proper functionality of shuttles, buttons and triggers prior to powering tool.

RESETTING SERVICE LIGHT PROCEDURE for the 5517-20 SDS-Max Rotary Hammer



RESETTING SERVICE LIGHT

1. After installing the General Maintenance Service Kit, the service light must be reset. Separate Rear Handle Cover from rest of the tool by removing 7 screws.
2. Locate the PCBA on the bottom of Rear Handle Support. Locate the Programming Header (covered with white silicone).
3. Remove wires from wire traps that are directly above the Programming Header.
4. Use a small thin bladed instrument such as a screwdriver to carefully pry up and remove the white silicone from over 5 pins of the Programming Header.
5. Place Jumper on pins 4 and 5 of the Programming Header as shown. Connect tool to power for 10 seconds. Unplug tool from power. Remove Jumper...Service timer is now set.
6. Apply white silicone over the 5 pins of the Programming Header. WR-7168 RTV Silicone – or the equivalent. Place wires back in the wire trap. Reinstall Rear Handle Cover onto Rear Handle Support and secure with the 7 screws. Torque fasteners to approximately 29 kgf-cm (25 lb-in).

