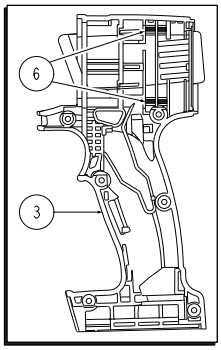
SERVICE PARTS LIST

BULLETIN NO. 54-26-2700

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS	REVISED BULLETIN	DATE
18 Volt 3/8" Square Impact Wrench		Mar. 2013
CATALOG NO. 2651-20 STARTING SERIAL NO. **B77A**	WIRING INSTRUCTION **SEE PAGE 3**	

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



Place Rubber Slugs (6) as shown, four in each handle half (2,3).

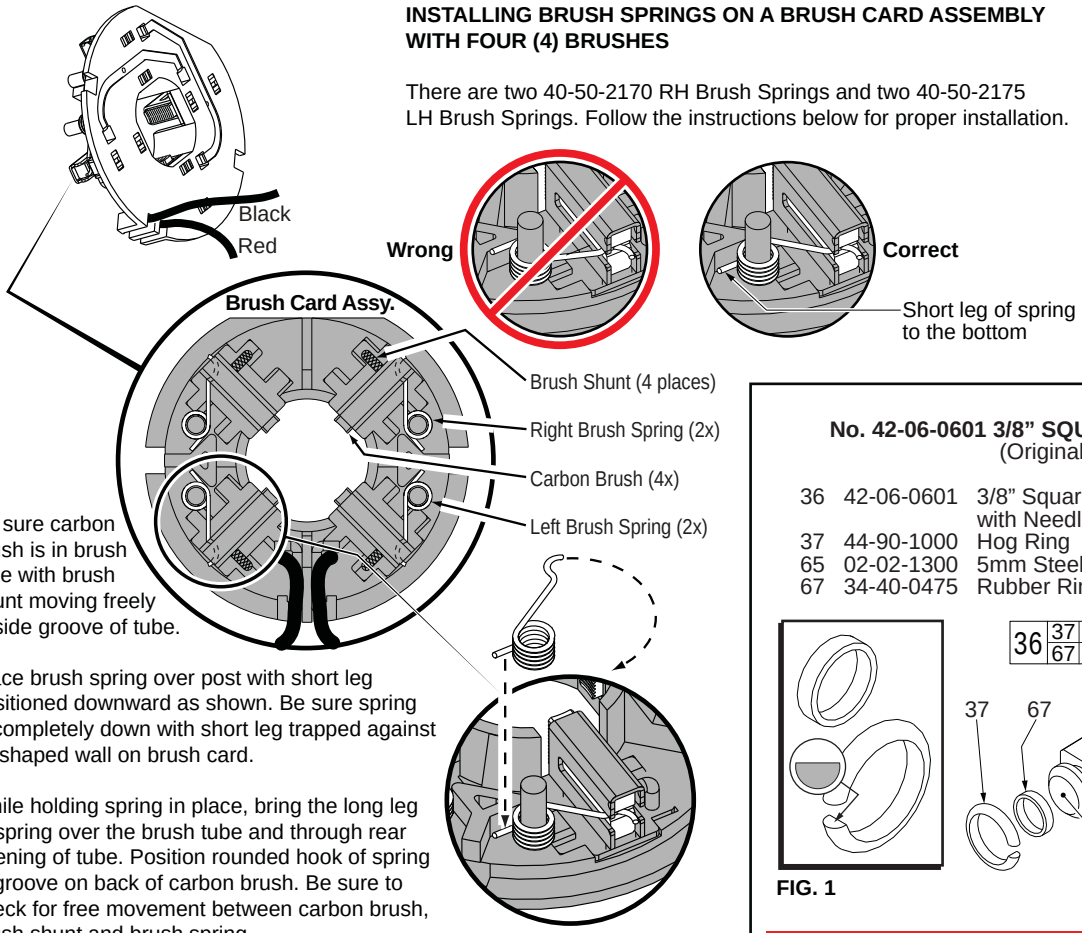
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	31-44-2430	Handle Assembly	(1)
2	----------	Left Handle Half	(1)
3	----------	Right Handle Half	(1)
4	42-52-0062	End Cap	(1)
5	45-24-0300	Forward / Reverse Shuttle	(1)
6	45-30-0250	Rubber Slug	(8)
7	42-70-5150	Belt Hook	(1)
8	40-50-1090	Spring	(1)
9	----------	Contact Block	(1)
10	23-66-0425	Switch	(1)
11	23-66-0426	Switch/Brush Card Assembly	(1)
13	----------	LED Assembly	(1)
15	22-22-1630	Brush Card Assembly	(1)
16	16-01-3010	Service Armature Assembly	(1)
17	18-01-3011	Service Field	(1)
19	14-30-0920	Gear Box Assembly	(1)
20	----------	Rear Case	(1)
21	----------	Ring Gear	(1)
22	----------	Retaining Ring	(1)
23	----------	Ball Bearing	(1)
24	----------	Washer	(1)
25	----------	Pin	(2)
26	----------	Planet Gear	(2)
27	----------	Cam Shaft	(1)
28	----------	3/16" Steel Ball	(2)
29	----------	Washer	(1)
30	----------	Compression Spring	(1)
31	----------	Washer	(1)
32	----------	3.0mm Steel Ball	(30)
33	----------	Hammer	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
36	----------	3/8" Square Drive Anvil Assy. w/ Bearing *(See page two)*	(1)
37	----------	Hog Ring *(See page two)*	(1)
42	45-88-2025	Front Washer	(1)
43	28-50-0900	Front Case Sub-Assembly w/ Bushing	(1)
47	06-82-7010	8-18 x 24 Pan Hd. Screw	(4)
55	06-82-6350	M3 Pan Hd. T-10 Screw	(7)
56	06-82-7336	M3 Pan Hd. T-10 Screw	(4)
57	06-82-5275	6-32 x 5/16" Slt. Pan Hd. T-15 Screw	(1)
59	12-20-2650	Service Nameplate Kit	(1)
60	10-20-2695	Warning Label	(1)
65	02-02-1300	5mm Steel Ball	(1)
67	----------	Rubber Ring *(See page two)*	(1)
68	42-55-2650	Carrying Case	(1)
69	40-50-2170	Brush Spring - Right	(2)
70	40-50-2175	Brush Spring - Left	(2)
71	14-46-1710	Cam Shaft/Hammer Kit	(1)
80	42-70-2653	Belt Clip Assembly	(1)
81	----------	Belt Clip	(1)
82	----------	Belt Clip Screw	(1)

MILWAUKEE ELECTRIC TOOL CORPORATION
13135 W. Lisbon Road, Brookfield, WI 53005
Drwg. 8

INSTALLING BRUSH SPRINGS ON A BRUSH CARD ASSEMBLY WITH FOUR (4) BRUSHES

There are two 40-50-2170 RH Brush Springs and two 40-50-2175 LH Brush Springs. Follow the instructions below for proper installation.



Be sure carbon brush is in brush tube with brush shunt moving freely in side groove of tube.

Place brush spring over post with short leg positioned downward as shown. Be sure spring is completely down with short leg trapped against 'Y' shaped wall on brush card.

While holding spring in place, bring the long leg of spring over the brush tube and through rear opening of tube. Position rounded hook of spring in groove on back of carbon brush. Be sure to check for free movement between carbon brush, brush shunt and brush spring.

FIG.	NOTES:
15,16,17	See service note and illustration on the back of bulletin to aid with the removal and installation of the the Brush Card (15), Armature (16) and Field (17).
17	Field (17) to be positioned with side cut-outs to the front.
20,21	Position Ring Gear (21) with three lugs face down to interlock in the bottom of Rear Case (20).
20,43	Be sure to match the raised contours on the bottom of Rear Case (20) with raised contour on bottom of Front Case (43) when assembling.
29,30	Make sure concave side of Washer (29) faces Spring (30).
42,43	Tappered end of Front Washer (42) to face Front Case (43).

FIG.	LUBRICATION (Type 'J' Grease, No. 49-08-4220):
21,26	Lightly coat I.D. of the Ring Gear (21) and center of the two Planet Gears (26) with grease.
27	Place a dab of grease in the ball grooves of the Cam Shaft (27).
36,37	Lightly coat front washer surface of Anvil (36) with grease, place a dab in the Ball holes of Anvil and in Needle Bearing inside the Anvil.
43	Coat inside grooves of Bushing (inside of 43) with grease.

No. 42-06-0601 3/8" SQUARE ANVIL ASSEMBLY
(Original Design)

36	42-06-0601	3/8" Square Drive Anvil Assembly with Needle Bearing	(1)
37	44-90-1000	Hog Ring	(1)
65	02-02-1300	5mm Steel Ball	(1)
67	34-40-0475	Rubber Ring	(1)

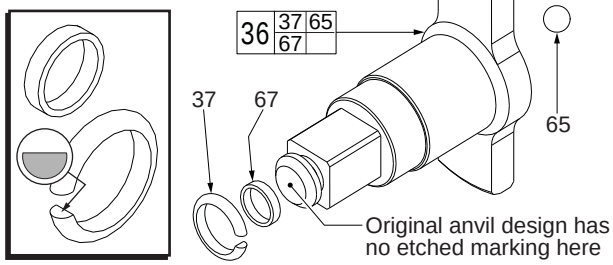


FIG. 1

IMPORTANT!
***Hog Ring* and *O-Ring* components of the 3/8" Square Anvil Assemblies for M18™ Impact Wrenches are unique and are *NOT INTERCHANGEABLE* between Anvil Assemblies**

Original Anvil Assembly 42-06-0601 (Fig. 1) uses Hog Ring 44-90-1000 and O-Ring 34-40-0475

Service Replacement Anvil Assembly 42-06-0305 (Fig. 2), identified by an etched symbol on the front face of the anvil, use Hog Ring 44-90-1050 and O-Ring 34-40-1885

If you have any questions please call After-Sales Service-Technical Support 1.800.729.3878

No. 42-06-0305 3/8" SQUARE ANVIL ASSEMBLY
(Service Replacement)

36	**42-06-0305**	3/8" Square Drive Anvil Assembly with Needle Bearing	(1)
37	44-90-1050	Hog Ring	(1)
65	02-02-1300	5mm Steel Ball	(1)
67	34-40-1885	Rubber Ring	(1)

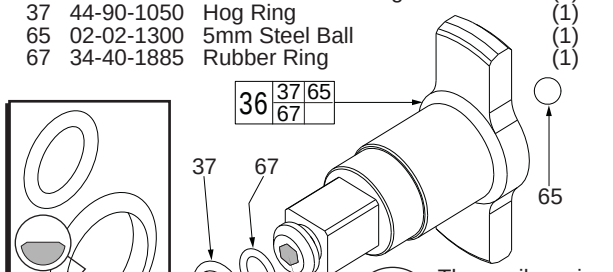
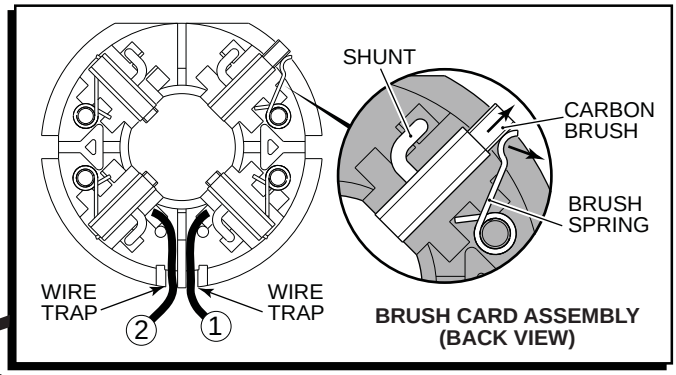


FIG. 2

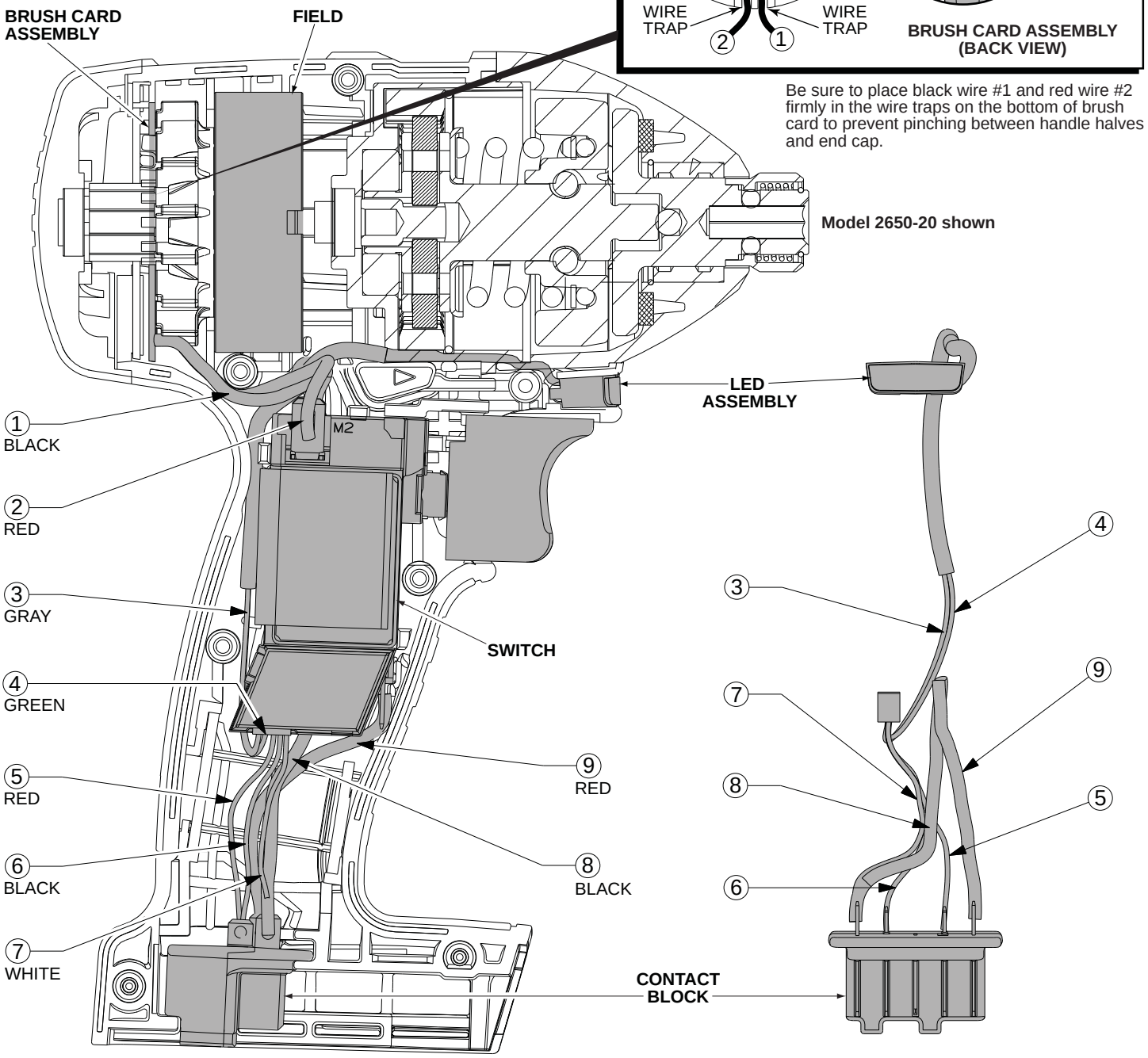
NOTE: Before attempting to remove armature or brush card assembly- Pull brush back until the brush spring slides from the back of the brush, onto the side of the brush as shown. (Do this to all four brushes). This will hold brushes out of the way for ease of servicing and will help prevent damage to the carbon brushes and the commutator of the armature.

To reinstall components, orient the Field with the cut-outs facing forward, place the Armature into the Field prior to assembling onto the Brush Card Assembly. Make sure that all brushes are returned to the proper position once Brush Card, Armature and Field are properly seated in the Left Handle Half.



BRUSH CARD ASSEMBLY (BACK VIEW)

Be sure to place black wire #1 and red wire #2 firmly in the wire traps on the bottom of brush card to prevent pinching between handle halves and end cap.



Model 2650-20 shown

WIRING SPECIFICATIONS				
Wire No.	Wire Color	Origin or Gauge	Length	Terminals, Connectors and 1 or 2 End Wire Preparation
1	Black	-----	-----	Component of the Switch/Brush Card Assembly.
2	Red	-----	-----	Component of the Switch/Brush Card Assembly.
3	Gray	-----	-----	Component of the Switch/Brush Card Assembly.
4	Green	-----	-----	Component of the Switch/Brush Card Assembly.
5	Red	-----	-----	Component of the Switch/Brush Card Assembly.
6	Black	-----	-----	Component of the Switch/Brush Card Assembly.
7	White	-----	-----	Component of the Switch/Brush Card Assembly.
8	Black	-----	-----	Component of the Switch/Brush Card Assembly.
9	Red	-----	-----	Component of the Switch/Brush Card 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.