



## SERVICE PARTS LIST

BULLETIN NO.  
54-26-2451

| SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS |         |                     | REVISED BULLETIN                       | DATE      |
|--------------------------------------------------------|---------|---------------------|----------------------------------------|-----------|
| 12 Volt Impact Driver                                  |         |                     | 54-26-2450                             | Feb. 2010 |
| CATALOG NO.                                            | 2450-20 | STARTING SERIAL NO. | B59B                                   |           |
|                                                        |         |                     | WIRING INSTRUCTION<br>SEE REVERSE SIDE |           |

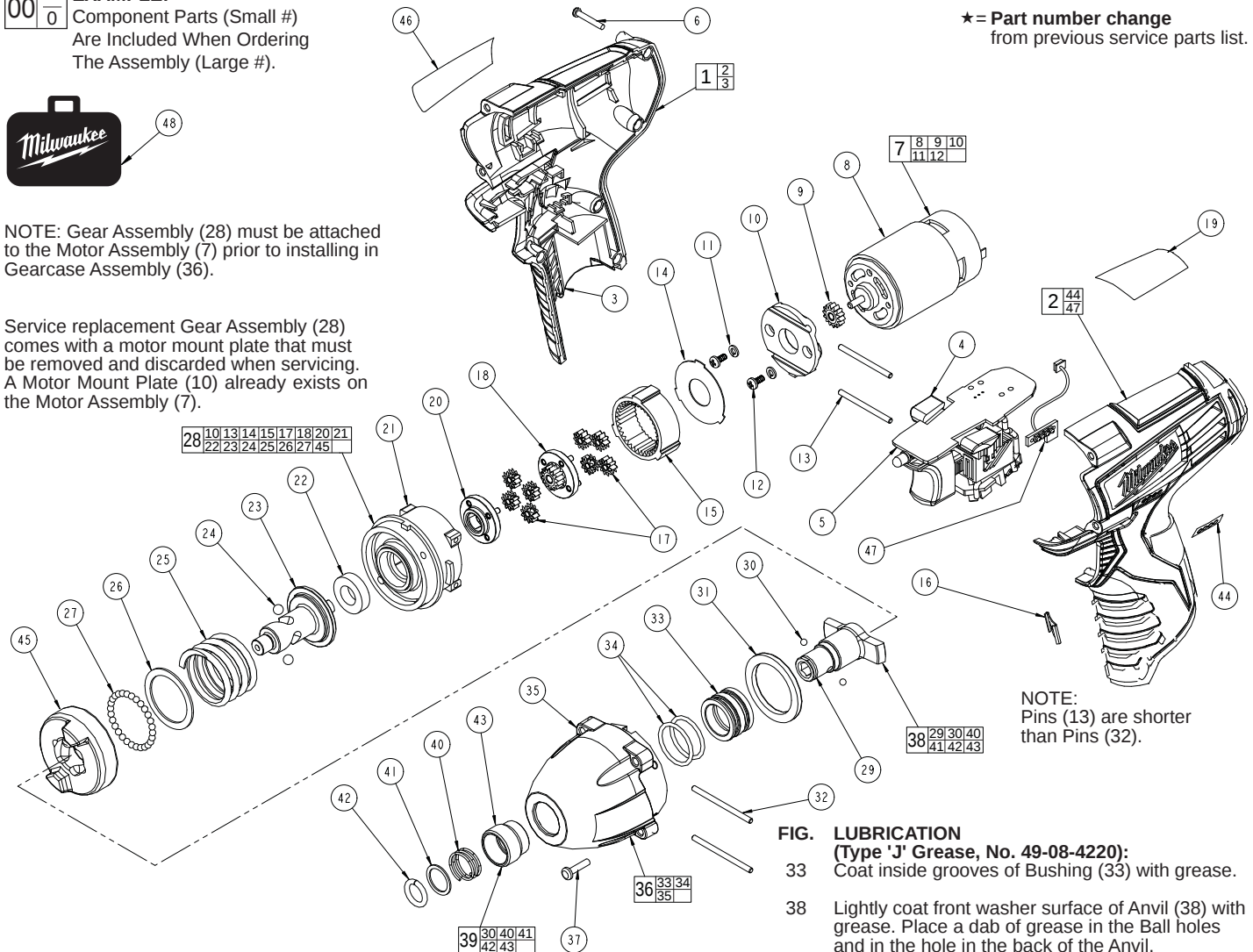
**EXAMPLE:**  
00 0 Component Parts (Small #)  
Are Included When Ordering  
The Assembly (Large #).



NOTE: Gear Assembly (28) must be attached to the Motor Assembly (7) prior to installing in Gearcase Assembly (36).

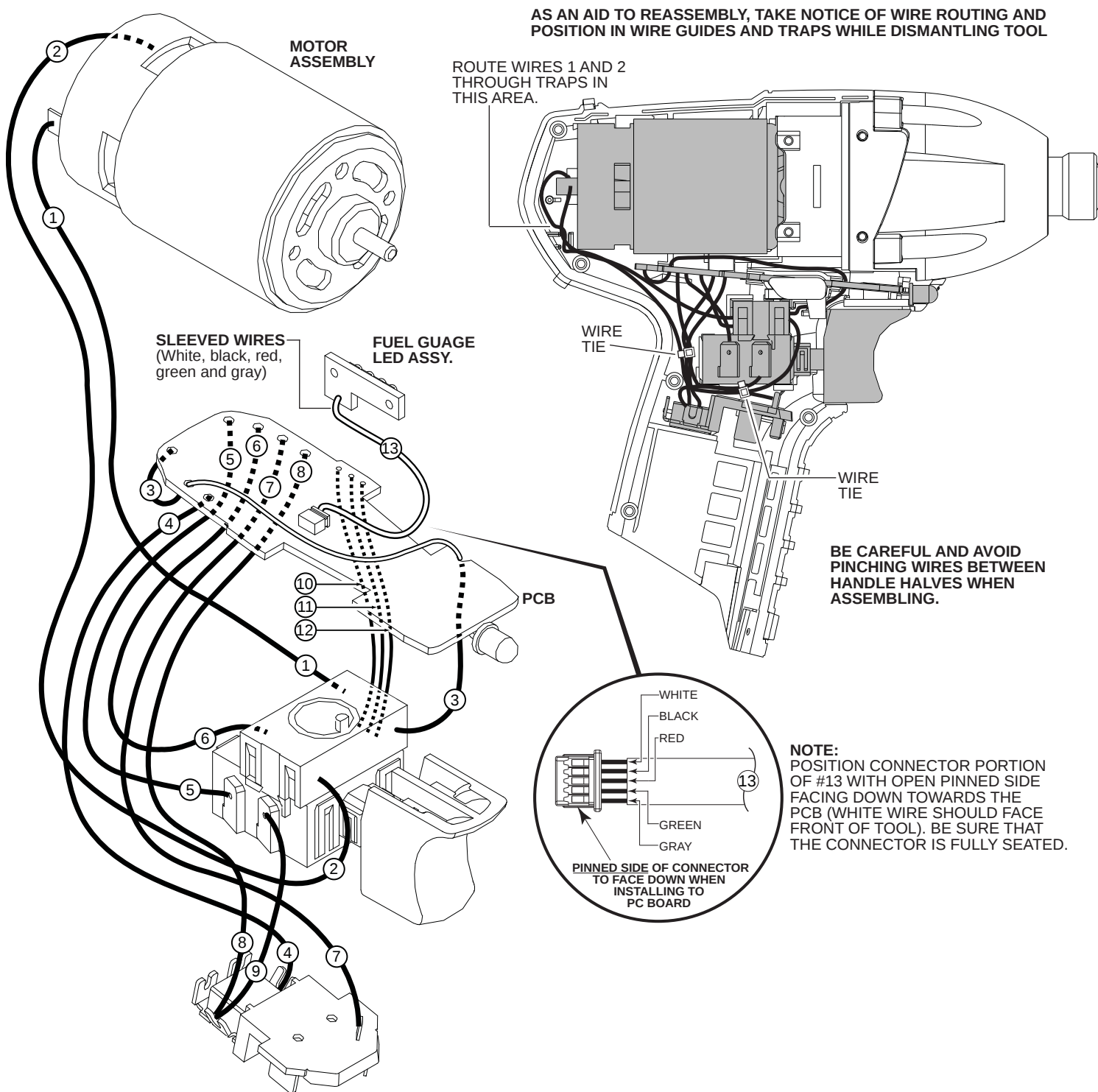
Service replacement Gear Assembly (28) comes with a motor mount plate that must be removed and discarded when servicing. A Motor Mount Plate (10) already exists on the Motor Assembly (7).

★ = Part number change  
from previous service parts list.



- FIG. LUBRICATION**  
(Type 'J' Grease, No. 49-08-4220):
- 33 Coat inside grooves of Bushing (33) with grease.
  - 38 Lightly coat front washer surface of Anvil (38) with grease. Place a dab of grease in the Ball holes and in the hole in the back of the Anvil.

| FIG. | PART NO.   | DESCRIPTION OF PART         | NO. REQ. | FIG. | PART NO.   | DESCRIPTION OF PART       | NO. REQ. |
|------|------------|-----------------------------|----------|------|------------|---------------------------|----------|
| 1    | 31-50-2402 | Handle Set                  | (1)      | 27   | -----      | 3.0mm Dia. Steel Ball     | (29)     |
| 2    | -----      | Left Handle Half            | (1)      | 28   | 14-29-0190 | Gear Assembly             | (1)      |
| 3    | -----      | Right Handle Half           | (1)      | 29   | -----      | Anvil                     | (1)      |
| 4    | 45-24-0105 | Fwd./Rev. Button            | (1)      | 30   | -----      | 3.5mm Steel Ball          | (2)      |
| ★ 5  | 23-66-1106 | Electronics Module Assembly | (1)      | 31   | 45-88-0455 | Washer                    | (1)      |
| 6    | 06-82-2385 | M2.6 x 14 T-9 Screw         | (5)      | 32   | 06-65-0085 | Pin                       | (2)      |
| 7    | 23-30-0090 | Motor Service Assembly      | (1)      | 33   | -----      | Sleeve Bearing            | (1)      |
| 8    | -----      | Motor                       | (1)      | 34   | -----      | O-Ring                    | (2)      |
| 9    | -----      | Pinion                      | (1)      | 35   | -----      | Gear Housing              | (1)      |
| 10   | -----      | Motor Mount                 | (1)      | 36   | 14-30-0005 | Gearcase Assembly         | (1)      |
| 11   | -----      | Washer                      | (2)      | 37   | 06-81-0005 | M3.5 x 24 Screw           | (4)      |
| 12   | -----      | M3 x 6 Screw                | (2)      | 38   | 45-22-0015 | Sleeve and Anvil Assembly | (1)      |
| 13   | 06-65-0075 | Pin                         | (2)      | 39   | 45-22-0010 | Sleeve and Ball Assembly  | (1)      |
| 14   | -----      | Washer                      | (1)      | 40   | -----      | Spring                    | (1)      |
| 15   | -----      | Ring Gear                   | (1)      | 41   | -----      | Washer                    | (1)      |
| 16   | 42-70-0055 | Clip                        | (1)      | 42   | -----      | Retaining Ring            | (1)      |
| 17   | -----      | Planet Gear Set             | (8)      | 43   | -----      | Sleeve                    | (1)      |
| 18   | -----      | Sun Gear                    | (1)      | 44   | -----      | LED Label                 | (1)      |
| 19   | 10-20-0790 | Warning Label               | (1)      | 45   | -----      | Hammer                    | (1)      |
| 20   | -----      | Carriage                    | (1)      | 46   | 12-20-2450 | Service Nameplate         | (1)      |
| 21   | -----      | Rear Housing                | (1)      | 47   | -----      | Fuel Gauge LED Assembly   | (1)      |
| 22   | -----      | Ball Bearing                | (1)      | 48   | 42-55-2450 | Carrying Case, Optional   | (1)      |
| 23   | -----      | Cam Shaft                   | (1)      |      |            |                           |          |
| 24   | -----      | 3/16" Dia. Steel Ball       | (2)      |      |            |                           |          |
| 25   | -----      | Compression Spring          | (1)      |      |            |                           |          |
| 26   | -----      | Washer                      | (1)      |      |            |                           |          |



### WIRING SPECIFICATIONS

| Wire No. | Wire Color | Origin or Gauge | Length | Terminals, Connectors and 1 or 2 End Wire Preparation       |
|----------|------------|-----------------|--------|-------------------------------------------------------------|
| 1        | Black      | 23-30-0090      | -----  | Component of the motor assembly.                            |
| 2        | Red        | 23-30-0090      | -----  | Component of the motor assembly.                            |
| 3        | White      | 23-66-1106      | -----  | Component of the electronics module assembly.               |
| 4        | Black      | 23-66-1106      | -----  | Component of the electronics module assembly.               |
| 5        | Black      | 23-66-1106      | -----  | Component of the electronics module assembly.               |
| 6        | Red        | 23-66-1106      | -----  | Component of the electronics module assembly.               |
| 7        | White      | 23-66-1106      | -----  | Component of the electronics module assembly.               |
| 8        | Red        | 23-66-1106      | -----  | Component of the electronics module assembly.               |
| 9        | Red        | 23-66-1106      | -----  | Component of the electronics module assembly.               |
| 10       | Yellow     | 23-66-1106      | -----  | Component of the electronics module assembly.               |
| 11       | Blue       | 23-66-1106      | -----  | Component of the electronics module assembly.               |
| 12       | Black      | 23-66-1106      | -----  | Component of the electronics module assembly.               |
| 13       | Sleeve     | 23-66-1106      | -----  | Component of the electronics module assy. / Fuel gauge LED. |