



## SERVICE PARTS LIST

PAGE 1 OF 6

BASE ASSEMBLY

**BULLETIN NO.**  
**54-40-6900**

**SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS**

REVISED BULLETIN

DATE  
Apr. 2011

### 12" DUAL BEVEL COMPOUND MITER SAW

**CATALOG NO.**

**6950-20**

**SERIAL  
NUMBER**

**B27A**

**WIRING INSTRUCTION**  
**58-01-6900**

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**EXAMPLE:**

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

| FIG. | PART NO.   | DESCRIPTION OF PART                         | NO REQ. |
|------|------------|---------------------------------------------|---------|
| 1    | 02-80-0050 | Thrust Bearing                              | (1)     |
| 2    | 05-80-0510 | M5 x 12mm Flat Head T-20 Screw              | (5)     |
| 3    | 05-81-0135 | M5 x 13mm Pan Head T-25 Screw               | (9)     |
| 4    | 05-81-0150 | M8 x 25mm Pan Head T-45 Screw               | (4)     |
| 5    | 05-81-0200 | M5 x 10mm Pan Head T-25 Screw               | (1)     |
| 6    | 05-86-0640 | M5 x 18mm Hex Socket Set Screw              | (1)     |
| 7    | 05-86-0660 | M12 x 1 x 18mm T-25 Socket Set Screw        | (2)     |
| 8    | 05-89-0530 | M5 x 13mm Pan Hd T-25 Shoulder Scr          | (5)     |
| 9    | 10-20-9115 | Fence Label                                 | (2)     |
| 10   | 22-38-0175 | Cable Clamp                                 | (1)     |
| 11   | 23-45-0015 | Potentiometer (Incl. Hex Nut & Star Washer) | (1)     |
| 12   | 28-06-1265 | 12" Compound Miter Base                     | (1)     |
| 13   | 28-35-0100 | Fixed Fence                                 | (1)     |
| 14   | 28-35-0110 | Left Fence                                  | (1)     |
| 15   | 28-35-0115 | Right Fence                                 | (1)     |
| 16   | 32-48-0121 | Rack                                        | (1)     |
| 17   | 40-50-8620 | Belleville Spring                           | (4)     |
| 18   | 42-70-5145 | Wrench Clamp                                | (1)     |
| 19   | 42-92-1130 | Potentiometer Cover                         | (1)     |
| 20   | 43-82-0170 | Miter Scale                                 | (1)     |
| 21   | 43-98-0275 | Lock Knob Bolt                              | (2)     |
| 22   | 44-34-0025 | Miter Base Foot                             | (4)     |
| 23   | 44-52-0950 | Handle Grip                                 | (2)     |
| 24   | 44-66-0970 | Potentiometer Plate                         | (1)     |
| 25   | 45-96-0300 | Blade Wrench                                | (1)     |
| 58   | 42-90-0130 | Tolerance Ring                              | (1)     |
| 74   | 45-08-0455 | Table Bolt                                  | (1)     |

#### SERVICE NOTES:

Orient Thrust Bearing #1 with printed ID stripe up, facing away from Base #12.

When assembling the Fixed Fence #13 to the Base #12, secure the left most Screw #4 as illustrated, followed by the other three screws.

#### Moving Fence Adjustment: (Left Fence)

- Turn Set Screw #7 (located on left side of Fixed Fence #13) clockwise until Set Screw touches Moving Fence #14, then back off 1/8 to 1/4 turn.
- The Moving Fence #14 must be able to be rotated and slide past the Set Screw #6.
- Set Screw #6 must protrude past machined surface of Fixed Fence #13.

#### Removable Fence Adjustment: (Right Fence)

- Turn Set Screw #7 (located on right side of Fixed Fence #13) clockwise until Set Screw touches Removable Fence #15, then back off 1/8 to 1/4 turn.

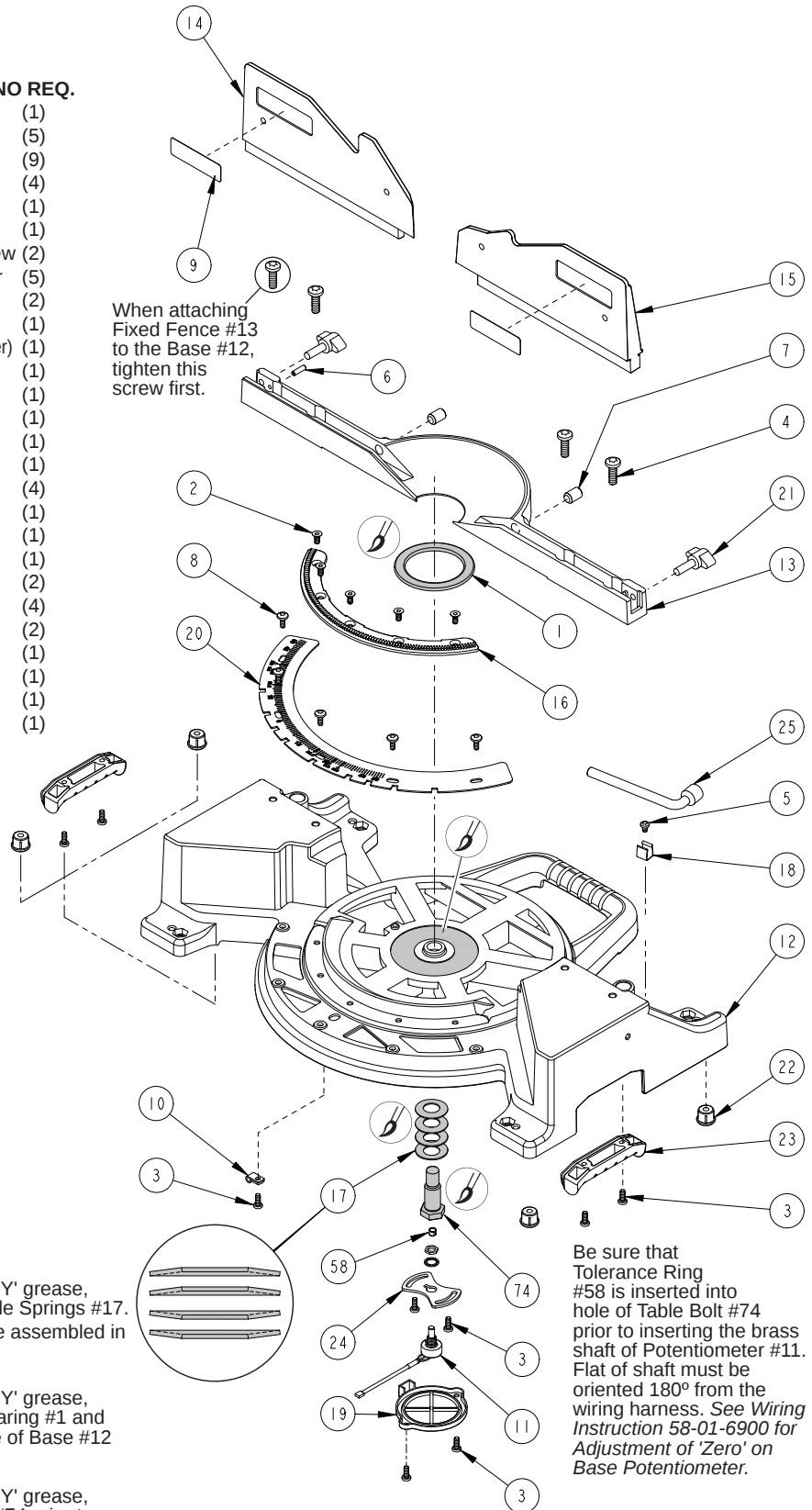


#### LUBRICATION NOTE

Place a light coat of Type 'Y' grease, No. 49-08-5270 to Belleville Springs #17. Belleville Springs are to be assembled in the order shown.

Place a light coat of Type 'Y' grease, to both sides of Thrust Bearing #1 and corresponding center bore of Base #12 as shown.

Place a light coat of Type 'Y' grease, on the shaft of Table Bolt #74 prior to inserting through hole in Base #12 and threading into hole on the bottom of Table #41 (shown on next page).



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

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|                                                        |                |                                         |                   |
|--------------------------------------------------------|----------------|-----------------------------------------|-------------------|
| SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS |                | REVISED BULLETIN                        | DATE<br>Apr. 2011 |
| 12" DUAL BEVEL COMPOUND MITER SAW                      |                | WIRING INSTRUCTION<br><b>58-01-6900</b> |                   |
| CATALOG NO.                                            | <b>6950-20</b> | SERIAL NUMBER                           | <b>B27A</b>       |

|    |                |
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**EXAMPLE:**

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

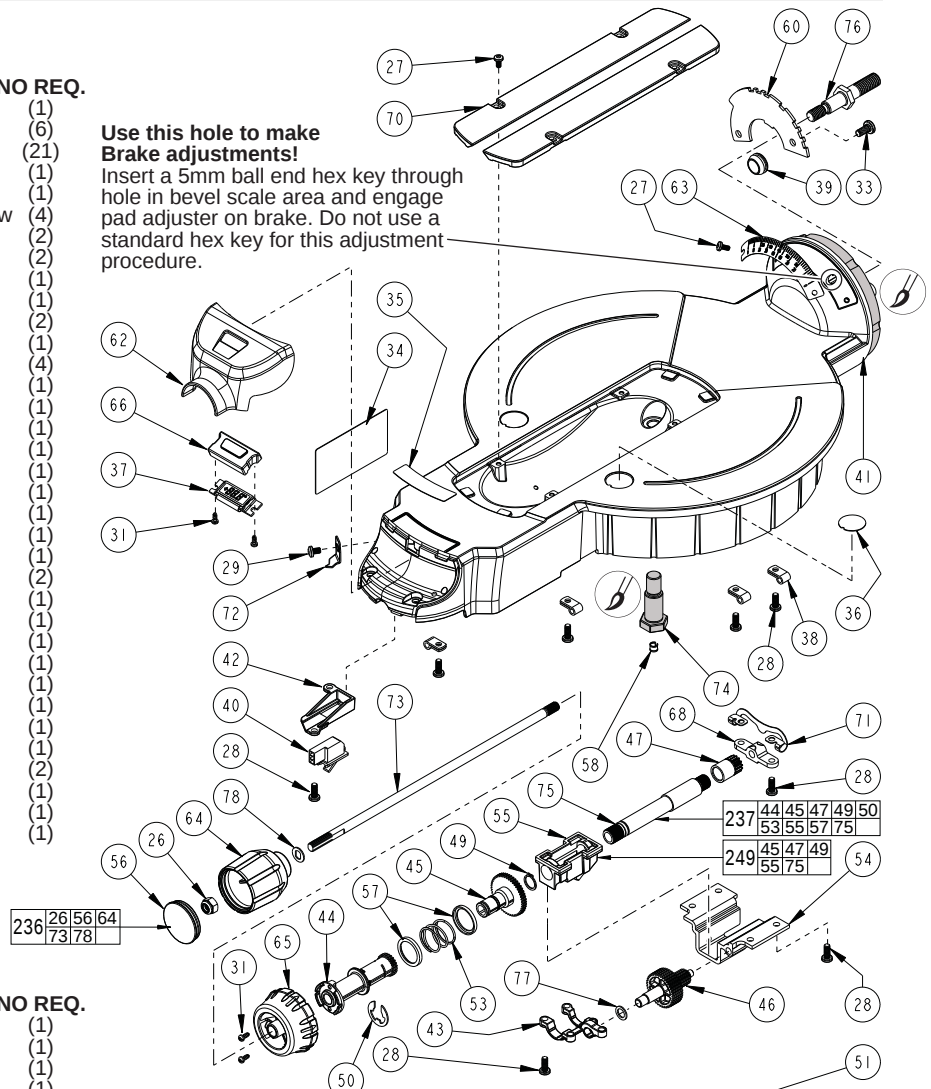
| FIG. | PART NO.   | DESCRIPTION OF PART                  | NO REQ. |
|------|------------|--------------------------------------|---------|
| 26   | 05-55-0915 | M8 Prevailing Torque Nut             | (1)     |
| 27   | 05-81-0130 | M4 x 8mm Pan Head T-20 Screw         | (6)     |
| 28   | 05-81-0135 | M5 x 13mm Pan Head T-25 Screw        | (21)    |
| 29   | 05-81-0235 | M5 x 7mm Pan Head T-25 Screw         | (1)     |
| 30   | 06-86-0640 | M5 x 18mm Set Screw                  | (1)     |
| 31   | 05-88-5910 | M3.5 x 8mm Pan Hd Slit T-10 PT Screw | (4)     |
| 32   | 05-88-5988 | K50 x 35mm Slit Pan Hd T-20 Screw    | (2)     |
| 33   | 05-89-0535 | K6 X 13mm Pan Head T-25 Screw        | (2)     |
| 34   | 10-20-7900 | Fine Adjustment Label                | (1)     |
| 35   | 10-20-9125 | Fine Adjustment Warning Label        | (1)     |
| 36   | 10-20-9135 | Round Label                          | (2)     |
| 37   | 22-09-1580 | LCD Assembly                         | (1)     |
| 38   | 22-38-0175 | Cable Clamp                          | (4)     |
| 39   | 22-90-0250 | Grommet                              | (1)     |
| 40   | 23-66-0705 | Calibration Switch                   | (1)     |
| 41   | 28-06-1240 | Compound Miter Table                 | (1)     |
| 42   | 31-01-1580 | Switch Mount (Miter)                 | (1)     |
| 43   | 31-12-0030 | Bearing Cap                          | (1)     |
| 44   | 32-48-0115 | Fine Adjustment Tube Gear            | (1)     |
| 45   | -----      | Fine Adjustment Gear                 | (1)     |
| 46   | 32-48-0130 | Reduction Gear                       | (1)     |
| 47   | -----      | Pinion Gear                          | (1)     |
| 48   | 34-60-0020 | External Retaining Ring              | (2)     |
| 49   | -----      | External Retaining Ring              | (1)     |
| 50   | 34-60-1450 | E-Ring                               | (1)     |
| 51   | 40-50-0390 | Spring                               | (1)     |
| 52   | 40-50-0455 | Miter Detent Spring                  | (1)     |
| 53   | 40-50-0460 | Fine Adjustment Return Spring        | (1)     |
| 54   | -----      | Fine Adjustment Chassis              | (1)     |
| 55   | -----      | Slide Block                          | (1)     |
| 56   | -----      | Lock Handle Cap                      | (1)     |
| 57   | 42-52-1040 | Spring Cap                           | (2)     |
| 58   | 42-90-0130 | Tolerance Ring                       | (1)     |
| 59   | 42-92-1140 | Cover (Detent Mech.)                 | (1)     |
| 60   | 43-06-0035 | Brake Disk                           | (1)     |



## LUBRICATION NOTES

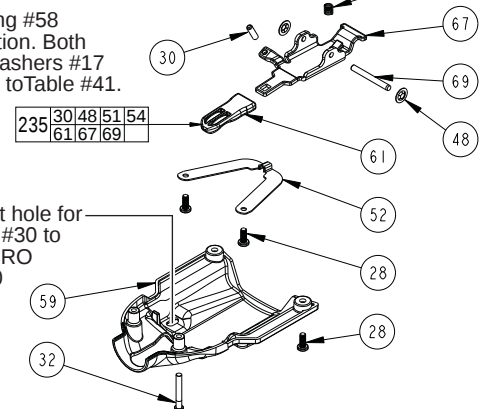
Place a light coat of Type 'Y' grease, No. 49-08-5270 to Table Bolt #74.

| FIG. | PART NO.   | DESCRIPTION OF PART            | NO REQ. |
|------|------------|--------------------------------|---------|
| 61   | 43-62-1340 | Detent Lever Handle            | (1)     |
| 62   | 43-76-0740 | LCD Cover                      | (1)     |
| 63   | 43-82-0160 | Bevel Scale                    | (1)     |
| 64   | -----      | Table Lock Knob                | (1)     |
| 65   | 43-98-0250 | Fine Adjustment Knob           | (1)     |
| 66   | 44-06-0030 | LCD Lens Cover                 | (1)     |
| 67   | 44-10-0145 | Detent Lever                   | (1)     |
| 68   | 44-40-0105 | Lock Block                     | (1)     |
| 69   | 44-60-0495 | Hinge Pin                      | (1)     |
| 70   | 14-46-1270 | Service Kerf Plates (Set of 2) | (1)     |
| 71   | 44-66-1125 | Miter Lock Plate               | (1)     |
| 72   | 44-72-0061 | Miter Pointer                  | (1)     |
| 73   | -----      | Handle Lock Rod                | (1)     |
| 74   | 45-08-0455 | Table Bolt                     | (1)     |
| 75   | -----      | Compound Pinion Tube           | (1)     |
| 76   | 45-58-0125 | Stud                           | (1)     |
| 78   | 45-88-3045 | Washer                         | (1)     |
| 79   | -----      | Special Washer                 | (1)     |
| 235  | 14-48-0100 | Chassis Assembly               | (1)     |
| 236  | 14-48-0080 | Table Lock Rod Assembly        | (1)     |
| 237  | 14-48-0090 | Fine Adjustment Assembly       | (1)     |
| 238  | 28-06-1140 | Table Assembly                 | (1)     |
| 249  | 14-48-0091 | Slide Block Assembly           | (1)     |



**Use this hole to make Brake adjustments!**  
Insert a 5mm ball end hex key through hole in bevel scale area and engage pad adjuster on brake. Do not use a standard hex key for this adjustment — procedure.

Table Bolt #74 and Tolerance Ring #58 are shown for reference/orientation. Both parts must be routed through Washers #17 and Base #12 prior to assembly to Table #41.



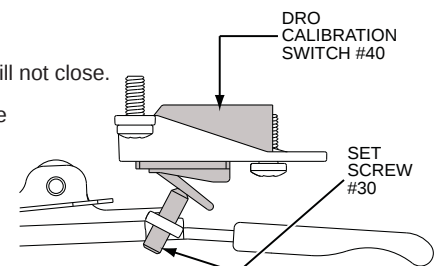
### ADJUSTMENT OF Digital Readout (DRO) CALIBRATION SWITCH:

A. Turn the Calibration Set Screw #30 in (toward Switch #40) enough that the calibration switch contacts will not close.

B. With the Miter Detent Spring #52 out of the detent notch in the Miter Detent Scale #20, but resting on the Miter Scale, move the Table #41 about 1.5° to either side of the "0" position and return to the "0" notch.

C. Insert a 2.5mm hex key into Set Screw #30 and adjust by turning the screw out (clockwise when viewed from the operators position) until the digital read out changes from the set angle to "0". Turn Set Screw #30 an extra 1/4-1/2 turn out.

D. Remove 2.5mm adjustment hex key from Set Screw #30. See *Wiring Instruction* for more detail.





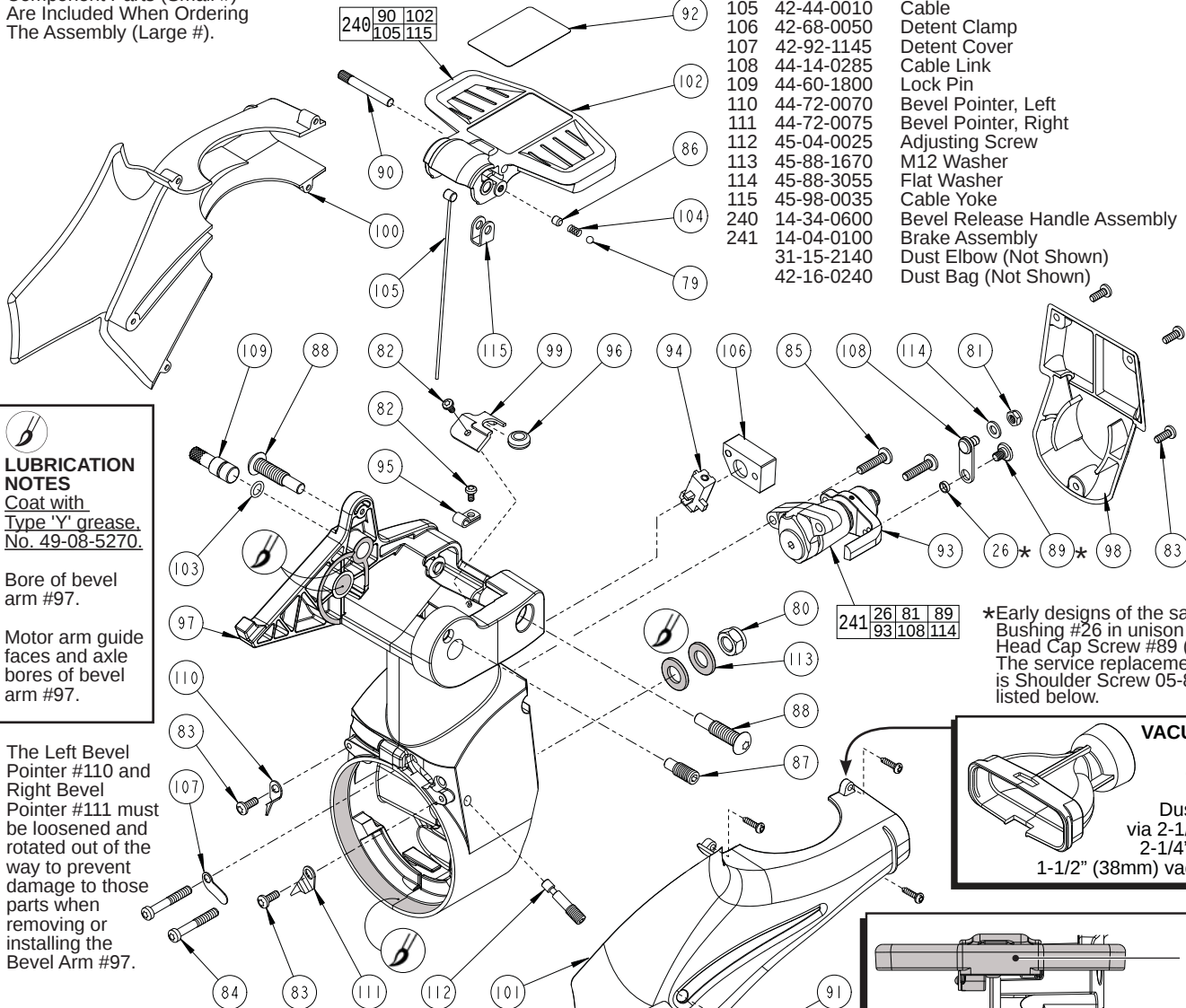
**BULLETIN NO.  
54-40-6900**

DATE  
Apr. 2011

**58-01-6900**

**B27A**

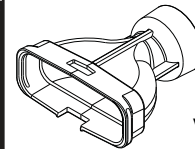
| FIG. | PART NO.   | DESCRIPTION OF PART           | NO REQ. |
|------|------------|-------------------------------|---------|
| 105  | 42-44-0010 | Cable                         | (1)     |
| 106  | 42-68-0050 | Detent Clamp                  | (1)     |
| 107  | 42-92-1145 | Detent Cover                  | (1)     |
| 108  | 44-14-0285 | Cable Link                    | (1)     |
| 109  | 44-60-1800 | Lock Pin                      | (1)     |
| 110  | 44-72-0070 | Bevel Pointer, Left           | (1)     |
| 111  | 44-72-0075 | Bevel Pointer, Right          | (1)     |
| 112  | 45-04-0025 | Adjusting Screw               | (1)     |
| 113  | 45-88-1670 | M12 Washer                    | (2)     |
| 114  | 45-88-3055 | Flat Washer                   | (1)     |
| 115  | 45-98-0035 | Cable Yoke                    | (1)     |
| 240  | 14-34-0600 | Bevel Release Handle Assembly | (1)     |
| 241  | 14-04-0100 | Brake Assembly                | (1)     |
|      | 31-15-2140 | Dust Elbow (Not Shown)        | (1)     |
|      | 42-16-0240 | Dust Bag (Not Shown)          | (1)     |



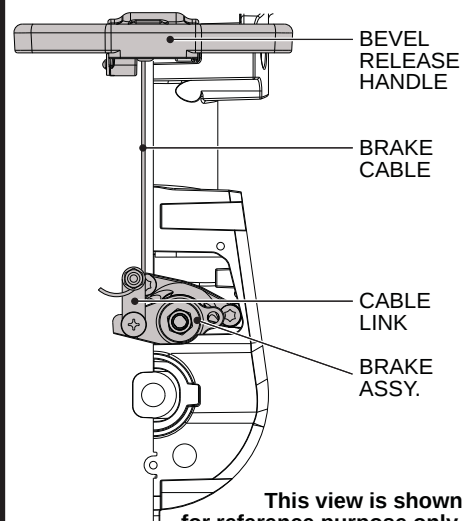
The Left Bevel Pointer #110 and Right Bevel Pointer #111 must be loosened and rotated out of the way to prevent damage to those parts when removing or installing the Bevel Arm #97.

\*Early designs of the saw utilized a Bushing #26 in unison with a Button Head Cap Screw #89 (05-73-0155). The service replacement for either is Shoulder Screw 05-89-0540, listed below.

Dust collection  
via 2-1/2" (64mm),  
2-1/4" (58mm) or  
1-3/8" (44mm) vacuum hose.



| FIG. | PART NO.   | DESCRIPTION OF PART                    | NO REQ. |
|------|------------|----------------------------------------|---------|
| 26   | 42-40-0945 | Bushing                                | (1)     |
| 79   | 02-02-1300 | 5mm Ball                               | (1)     |
| 80   | 05-55-0970 | M12 Prevailing Torque Nut              | (1)     |
| 81   | 05-55-0965 | M6 Prevailing Torque Nut               | (1)     |
| 82   | 05-81-0130 | M4 x 8mm Pan Head T-20 Screw           | (2)     |
| 83   | 05-81-0135 | M5 x 13mm Pan Head T-25 Screw          | (5)     |
| 84   | 05-81-0140 | M6 x 40mm Pan Head T-25 Screw          | (2)     |
| 85   | 05-81-0145 | M6 x 25mm Pan Head T-30 Screw          | (2)     |
| 86   | 05-86-0655 | M6 x 1 x 6mm Hex Socket Set Screw      | (1)     |
| 87   | 05-89-0520 | M10 x 1.5mm Hex Socket Set Screw       | (1)     |
| 88   | 05-89-0525 | M10 x 1.5 x 44mm T-45 Pivot Screw      | (2)     |
| 89   | 05-89-0540 | 8 x 2.5mm Phillips Pan Hd Shoulder Scr | (1)     |
| 90   | 06-65-0530 | Dowel Pin                              | (1)     |
| 91   | 06-82-9220 | K40 x 5/8" Pan Hd Slotted T-20 Screw   | (8)     |
| 92   | 10-20-9100 | Bevel Lock Label                       | (1)     |
| 93   | -----      | Caliper                                | (1)     |
| 94   | 14-48-0075 | Detent Assembly                        | (1)     |
| 95   | 22-38-0175 | Cable Clamp                            | (1)     |
| 96   | 22-90-0245 | Grommet                                | (1)     |
| 97   | 28-04-0400 | Bevel Arm                              | (1)     |
| 98   | 31-15-1510 | Back Cover                             | (1)     |
| 99   | 31-15-1520 | Bevel Top Cover                        | (1)     |
| 100  | 31-15-2145 | Dust Chute, Left                       | (1)     |
| 101  | 31-15-2150 | Dust Chute, Right                      | (1)     |
| 102  | 31-44-2320 | Bevel Release Handle                   | (1)     |
| 103  | 34-40-0250 | O-Ring                                 | (1)     |
| 104  | 40-50-3940 | Spring                                 | (1)     |



**This view is shown  
for reference purpose only.  
DO NOT attempt to disassemble  
Bevel Arm #97.**

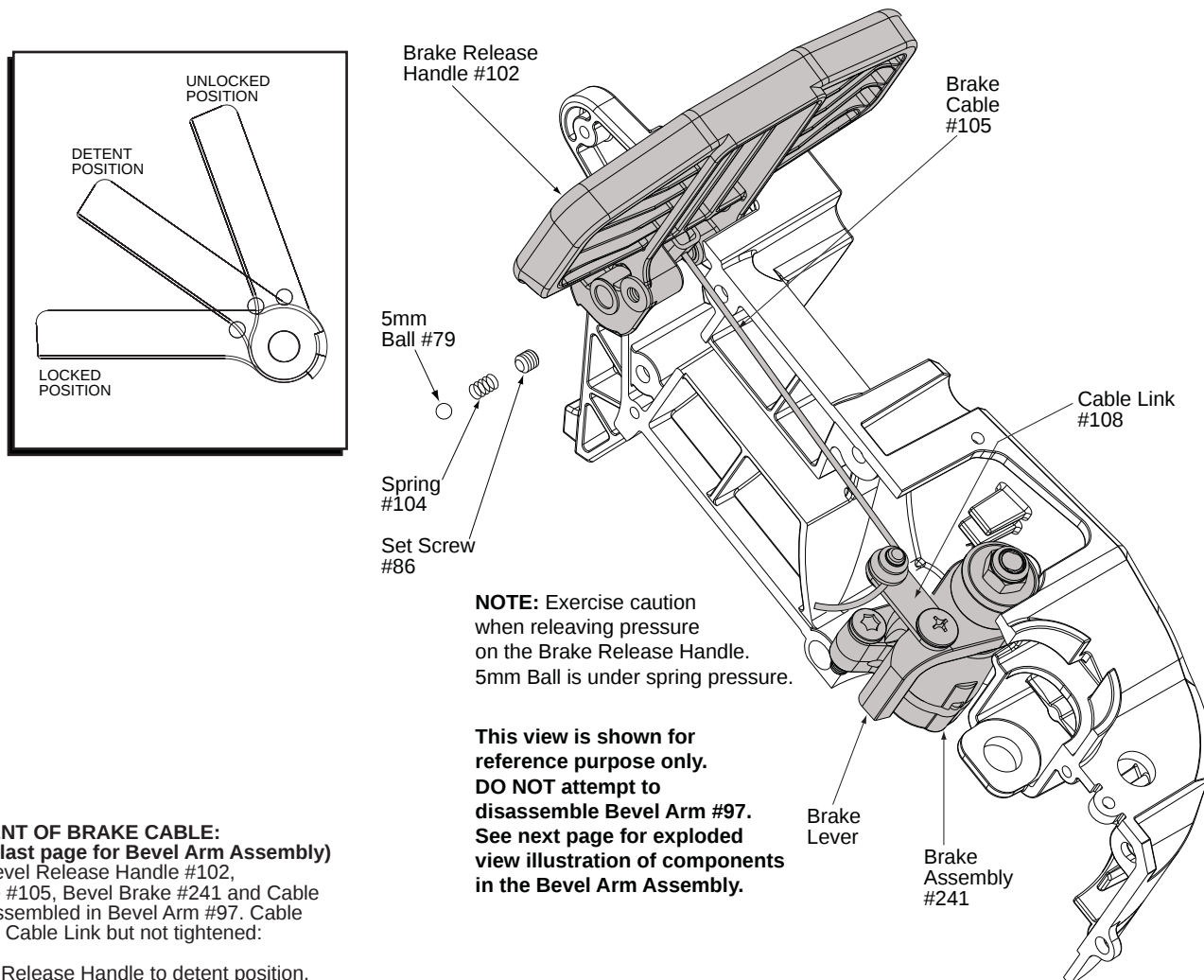
**SEE NEXT PAGE FOR SPECIAL  
INSTRUCTIONS FOR THE ADJUSTMENT  
OF THE BRAKE CABLE AND THE  
STATIONARY BRAKE PAD**



**SERVICE PARTS LIST**  
4 OF 6 BEVEL ARM ASSY. CONT.

**BULLETIN NO.**  
**54-40-6900**

| SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS |                |               | REVISED BULLETIN                               | DATE      |
|--------------------------------------------------------|----------------|---------------|------------------------------------------------|-----------|
| <b>12" DUAL BEVEL COMPOUND MITER SAW</b>               |                |               |                                                | Apr. 2011 |
| CATALOG NO.                                            | <b>6950-20</b> | SERIAL NUMBER | <b>WIRING INSTRUCTION</b><br><b>58-01-6900</b> |           |
|                                                        |                | <b>B27A</b>   |                                                |           |



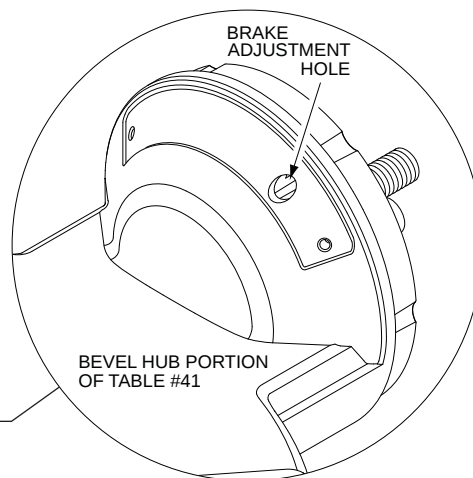
**1. ADJUSTMENT OF BRAKE CABLE:**  
(Reference last page for Bevel Arm Assembly)

- Start with Bevel Release Handle #102, Brake Cable #105, Bevel Brake #241 and Cable Link #108 assembled in Bevel Arm #97. Cable inserted into Cable Link but not tightened.
- Move Bevel Release Handle to detent position.
- Move and hold brake release lever in position by use of a gage block.
  - For Compound model 6950-20 use special service fixture No. 61-10-0090.
- Pull Cable taught using needle nose pliers.
- Tighten Cable Locking Nut #81 to 45-50 in./lb.
- Lift Bevel Release Handle to release support of brake lever.
- Move Bevel Release Handle to locked position.

**2. ADJUSTMENT OF STATIONARY BRAKE PAD IN BEVEL ARM:**

- Remove Dust Chutes #100 and #101. Release Bevel Brake.

- Move Bevel Arm #97 to right side hard stop.
- Block Bevel Release Handle to hold Brake in the released position.
  - For Compound model 6950-20 use special service fixture No. 61-10-0280.
- Remove Bevel Scale Mounting Screw #27 on right side of Bevel Scale #63, loosen Scale Mounting Screw on left side of Scale and remove Bevel Scale.
- Insert a 5mm ball end hex key through right hole in bevel scale area at the rear of the Table (see illustration) and engage pad adjuster on Brake. Do not use a standard hex key for this adjustment procedure.
- Turn pad adjuster to the right until it stops against the Disk #60.
- Turn pad adjuster to the left 1/8 turn.
- Remove hex key from brake adjuster.
- Reassemble Bevel Scale and Dust Chutes to saw.





# SERVICE PARTS LIST

PAGE 5 OF 6 MOTOR ASSEMBLY

BULLETIN NO.  
54-40-6900

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

## 12" DUAL BEVEL COMPOUND MITER SAW

CATALOG NO. 6950-20

SERIAL  
NUMBER

B27A

REVISED BULLETIN

DATE  
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WIRING INSTRUCTION

58-01-6900

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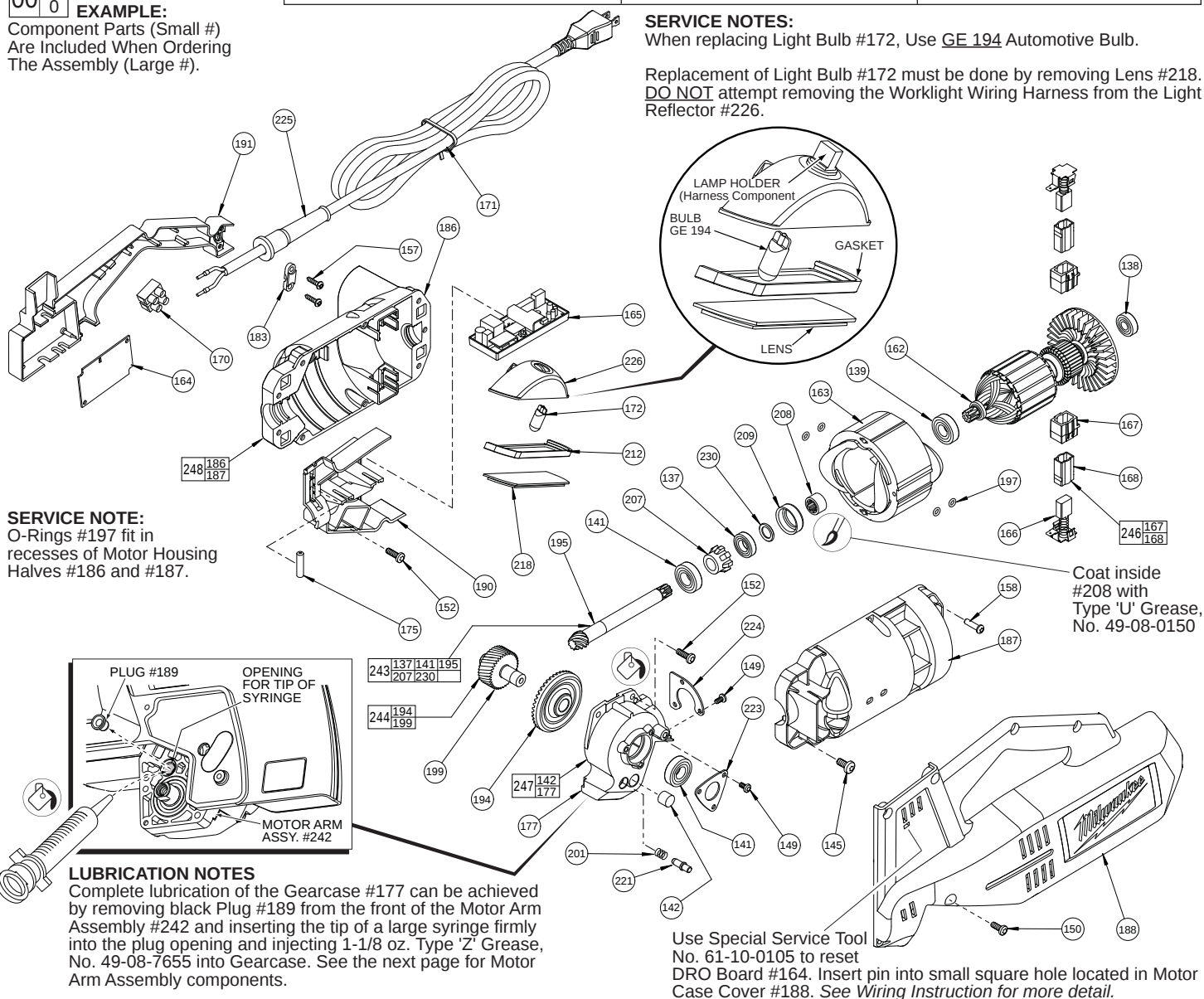
### EXAMPLE:

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

### SERVICE NOTES:

When replacing Light Bulb #172, Use GE 194 Automotive Bulb.

Replacement of Light Bulb #172 must be done by removing Lens #218.  
**DO NOT** attempt removing the Worklight Wiring Harness from the Light Reflector #226.



### LUBRICATION NOTES

Complete lubrication of the Gearcase #177 can be achieved by removing black Plug #189 from the front of the Motor Arm Assembly #242 and inserting the tip of a large syringe firmly into the plug opening and injecting 1-1/8 oz. Type 'Z' Grease, No. 49-08-7655 into Gearcase. See the next page for Motor Arm Assembly components.

Use Special Service Tool No. 61-10-0105 to reset DRO Board #164. Insert pin into small square hole located in Motor Case Cover #188. See Wiring Instruction for more detail.

| FIG. | PART NO.   | DESCRIPTION OF PART                  | NO REQ. |
|------|------------|--------------------------------------|---------|
| 137  | 02-04-0100 | Ball Bearing                         | (1)     |
| 138  | 02-04-0852 | Ball Bearing                         | (1)     |
| 139  | 02-04-1212 | Ball Bearing                         | (1)     |
| 141  | 02-08-0510 | Ball Bearing                         | (2)     |
| 142  | 02-50-2150 | Needle Bearing                       | (1)     |
| 145  | 05-73-0155 | M6 x 13 Pan Head T-27 Screw          | (4)     |
| 149  | 05-81-0130 | M4 x 8 Pan Head T-20 Screw           | (6)     |
| 150  | 05-81-0135 | M5 x 13 Pan Head T-25 Screw          | (8)     |
| 152  | 05-81-0155 | M5 x 16 Pan Head T-25 Screw          | (4)     |
| 157  | 06-82-9220 | K40 x 5/8" Slotted T-20 PT Screw     | (2)     |
| 158  | 06-95-6290 | M5 x 2.24 x 18 Slotted T-20 PT Screw | (9)     |
| 162  | 16-70-5010 | Service Armature Assembly            | (1)     |
| 163  | 18-70-5000 | Service Field                        | (1)     |
| 164  | 22-09-1060 | DRO Board                            | (1)     |
| 165  | 22-09-1590 | 120V Motor Control                   | (1)     |
| 166  | 14-46-1260 | Brush Set (Set of 2)                 | (1)     |
| 167  | -----      | Brush Holder                         | (2)     |
| 168  | -----      | Brush Tube                           | (2)     |
| 170  | 22-56-0470 | Terminal Block                       | (1)     |
| 171  | 22-64-6495 | 120V Cord Set                        | (1)     |
| 172  | -----      | Light Bulb (See Note)                | (1)     |
| 175  | 23-80-0020 | Speed Control Sensor                 | (1)     |
| 177  | -----      | Gear Case                            | (1)     |
| 183  | 31-17-0155 | Cord Clamp                           | (1)     |
| 186  | -----      | Motor Housing - Left                 | (1)     |

| FIG. | PART NO.   | DESCRIPTION OF PART         | NO REQ. |
|------|------------|-----------------------------|---------|
| 187  | -----      | Motor Housing - Right       | (1)     |
| 188  | 31-50-2210 | Motor Case Cover            | (1)     |
| 190  | 31-55-0035 | Lower Tray                  | (1)     |
| 191  | 31-55-0040 | Upper Tray                  | (1)     |
| 194  | -----      | Bevel Gear                  | (1)     |
| 195  | 32-60-0081 | Bevel Pinion Shaft          | (1)     |
| 197  | 34-40-0260 | O-Ring                      | (4)     |
| 199  | -----      | Pinion Gear                 | (1)     |
| 201  | 40-50-0390 | Spring                      | (1)     |
| 207  | 42-76-0540 | Speed Control Collar        | (1)     |
| 208  | 42-90-0095 | Coupling                    | (1)     |
| 209  | 42-96-0080 | Bearing Cup                 | (1)     |
| 212  | 43-44-0055 | Gasket                      | (1)     |
| 218  | 44-06-0115 | Lens                        | (1)     |
| 221  | 44-60-0705 | Spindle Lock Pin            | (1)     |
| 223  | 44-66-0950 | Bearing Plate               | (1)     |
| 224  | 44-66-0955 | Bearing Plate               | (1)     |
| 225  | 44-76-0210 | Cord Protector              | (1)     |
| 226  | 44-79-0040 | Light Reflector             | (1)     |
| 230  | 45-36-2010 | Spacer                      | (1)     |
| 243  | 14-29-0240 | Bevel Pinion Shaft Assembly | (1)     |
| 244  | 14-29-0250 | Gear Service Assembly       | (1)     |
| 246  | 22-20-0980 | Brush Holder Assembly       | (2)     |
| 247  | 14-30-0910 | Gear Case Service Assembly  | (1)     |
| 248  | 31-50-2206 | Motor Housing Assembly      | (1)     |



# SERVICE PARTS LIST

PAGE 6 OF 6 MOTOR ARM ASSY.

BULLETIN NO.  
54-40-6900

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

## 12" DUAL BEVEL COMPOUND MITER SAW

CATALOG NO. 6950-20

SERIAL  
NUMBER

B27A

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WIRING INSTRUCTION  
58-01-6900

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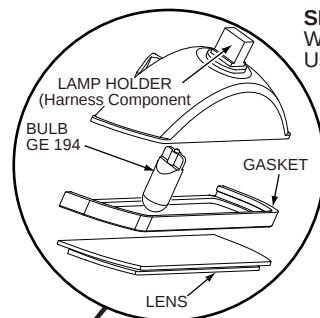
### EXAMPLE:

Component Parts (Small #) are Included  
When Ordering The Assembly (Large #).

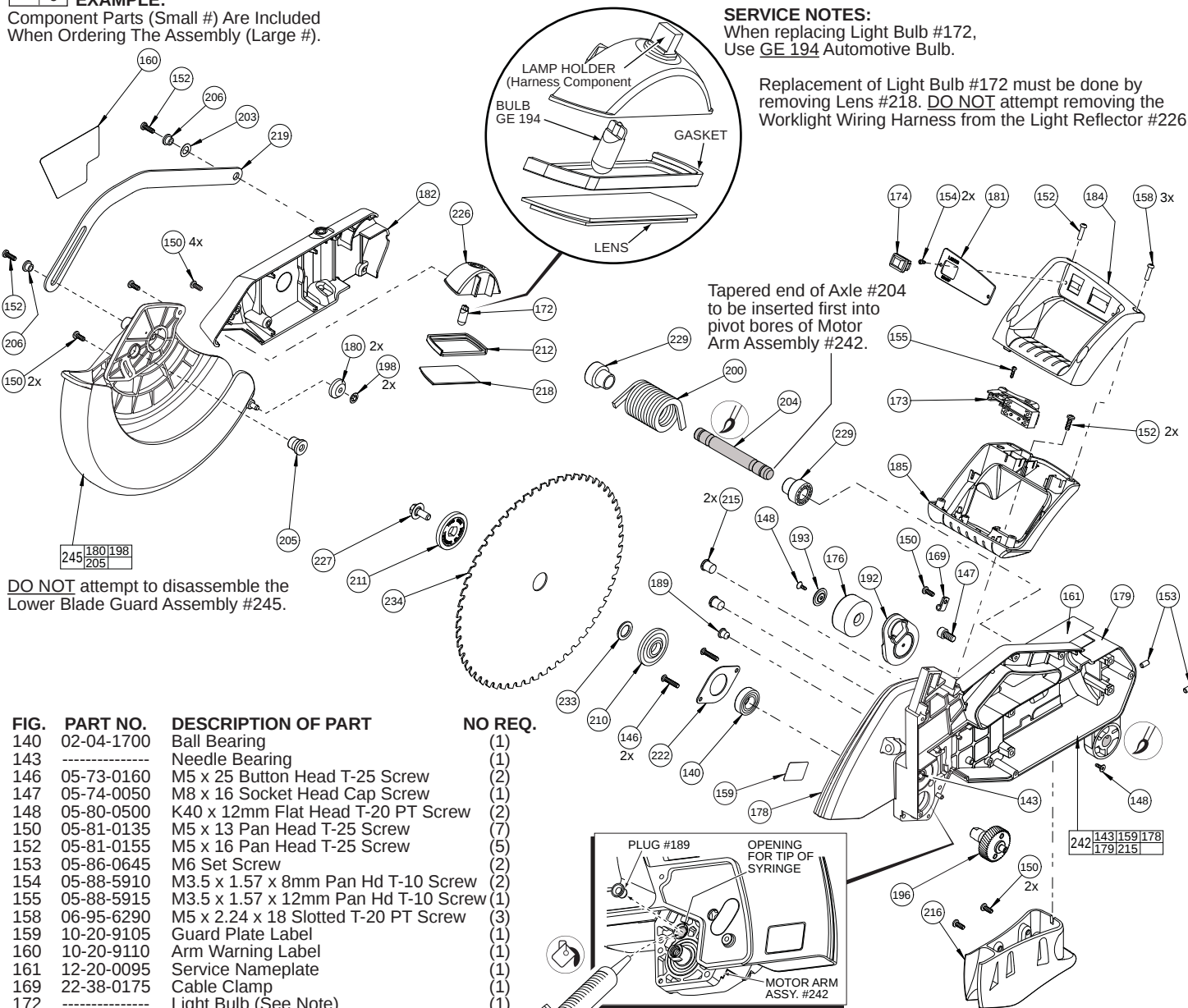
### SERVICE NOTES:

When replacing Light Bulb #172,  
Use GE 194 Automotive Bulb.

Replacement of Light Bulb #172 must be done by  
removing Lens #218. **DO NOT** attempt removing the  
Worklight Wiring Harness from the Light Reflector #226.

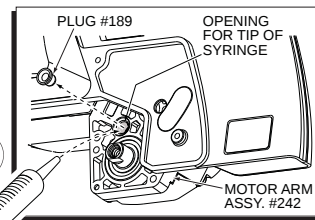


Tapered end of Axle #204  
to be inserted first into  
pivot bores of Motor  
Arm Assembly #242.



**DO NOT** attempt to disassemble the  
Lower Blade Guard Assembly #245.

| FIG. | PART NO.   | DESCRIPTION OF PART                  | NO REQ. |
|------|------------|--------------------------------------|---------|
| 140  | 02-04-1700 | Ball Bearing                         | (1)     |
| 143  | -----      | Needle Bearing                       | (1)     |
| 146  | 05-73-0160 | M5 x 25 Button Head T-25 Screw       | (2)     |
| 147  | 05-74-0050 | M8 x 16 Socket Head Cap Screw        | (1)     |
| 148  | 05-80-0500 | K40 x 12mm Flat Head T-20 PT Screw   | (2)     |
| 150  | 05-81-0135 | M5 x 13 Pan Head T-25 Screw          | (7)     |
| 152  | 05-81-0155 | M5 x 16 Pan Head T-25 Screw          | (5)     |
| 153  | 05-86-0645 | M6 Set Screw                         | (2)     |
| 154  | 05-88-5910 | M3.5 x 1.57 x 8mm Pan Hd T-10 Screw  | (2)     |
| 155  | 05-88-5915 | M3.5 x 1.57 x 12mm Pan Hd T-10 Screw | (1)     |
| 158  | 06-95-6290 | M5 x 2.24 x 18 Slotted T-20 PT Screw | (3)     |
| 159  | 10-20-9105 | Guard Plate Label                    | (1)     |
| 160  | 10-20-9110 | Arm Warning Label                    | (1)     |
| 161  | 12-20-0095 | Service Nameplate                    | (1)     |
| 169  | 22-38-0175 | Cable Clamp                          | (1)     |
| 172  | -----      | Light Bulb (See Note)                | (1)     |
| 173  | 23-66-3035 | Switch                               | (1)     |
| 174  | 23-66-3040 | Rocker Switch                        | (1)     |
| 176  | 23-81-0580 | Transformer                          | (1)     |
| 178  | -----      | Upper Guard                          | (1)     |
| 179  | -----      | Motor Arm                            | (1)     |
| 180  | 31-01-2500 | Lower Guard Wheel                    | (2)     |
| 181  | 31-15-2120 | Handle Cover                         | (1)     |
| 182  | 31-15-2160 | Transformer Cover                    | (1)     |
| 184  | 31-44-2325 | Top Handle                           | (1)     |
| 185  | 31-44-2330 | Bottom Handle                        | (1)     |
| 189  | 31-53-0235 | Plug                                 | (1)     |
| 192  | 31-55-0400 | Transformer Shield                   | (1)     |
| 193  | 31-55-0405 | Washer                               | (1)     |
| 196  | 32-75-0080 | Spindle Gear                         | (1)     |
| 198  | 34-60-0020 | External Retaining Ring              | (2)     |
| 200  | 40-50-0385 | Torsion Spring                       | (1)     |
| 203  | 40-50-3945 | Spring washer                        | (1)     |
| 204  | 42-12-0045 | Axle                                 | (1)     |
| 205  | 42-38-0390 | Bumper                               | (1)     |
| 206  | 42-40-0935 | Bushing                              | (2)     |
| 210  | 43-34-0865 | Inner Blade Flange                   | (1)     |
| 211  | 43-34-0870 | Outer Blade Flange                   | (1)     |
| 212  | 43-44-0055 | Gasket                               | (1)     |
| 215  | 43-56-0825 | Blade Deflector                      | (2)     |
| 216  | 43-56-0830 | Chip Deflector                       | (1)     |
| 218  | 44-06-0115 | Lens                                 | (1)     |



### LUBRICATION NOTES

Complete lubrication of Gearcase #177 (see previous page) can be achieved  
by removing black Plug #189 from the front of the Motor Arm Assembly #242  
and inserting the tip of a large syringe firmly into the plug opening and  
injecting 1-1/8 oz. Type 'Z' Grease, No. 49-08-7655 into Gearcase.

### LUBRICATION NOTES

Fill outer grooves and coat surface of Axle #204 with Type 'Y' Grease,  
No. 49-08-5270.

Coat pivot bores of Motor Arm Assembly #242 with Type 'Y' Grease.

| FIG. | PART NO.   | DESCRIPTION OF PART        | NO REQ. |
|------|------------|----------------------------|---------|
| 219  | 44-14-0280 | Guard Link                 | (1)     |
| 222  | 44-66-0945 | Bearing Plate              | (1)     |
| 226  | 44-79-0040 | Light Reflector            | (1)     |
| 227  | 45-04-0925 | Blade Screw                | (1)     |
| 229  | 45-36-1640 | Spring Support Bushing     | (2)     |
| 233  | 45-36-2025 | Blade Spacer               | (1)     |
| 234  | 42-41-4550 | 12" Miter Saw Blade        | (1)     |
| 242  | 14-38-0690 | Motor Arm Assembly         | (1)     |
| 245  | 14-32-0205 | Lower Blade Guard Assembly | (1)     |