

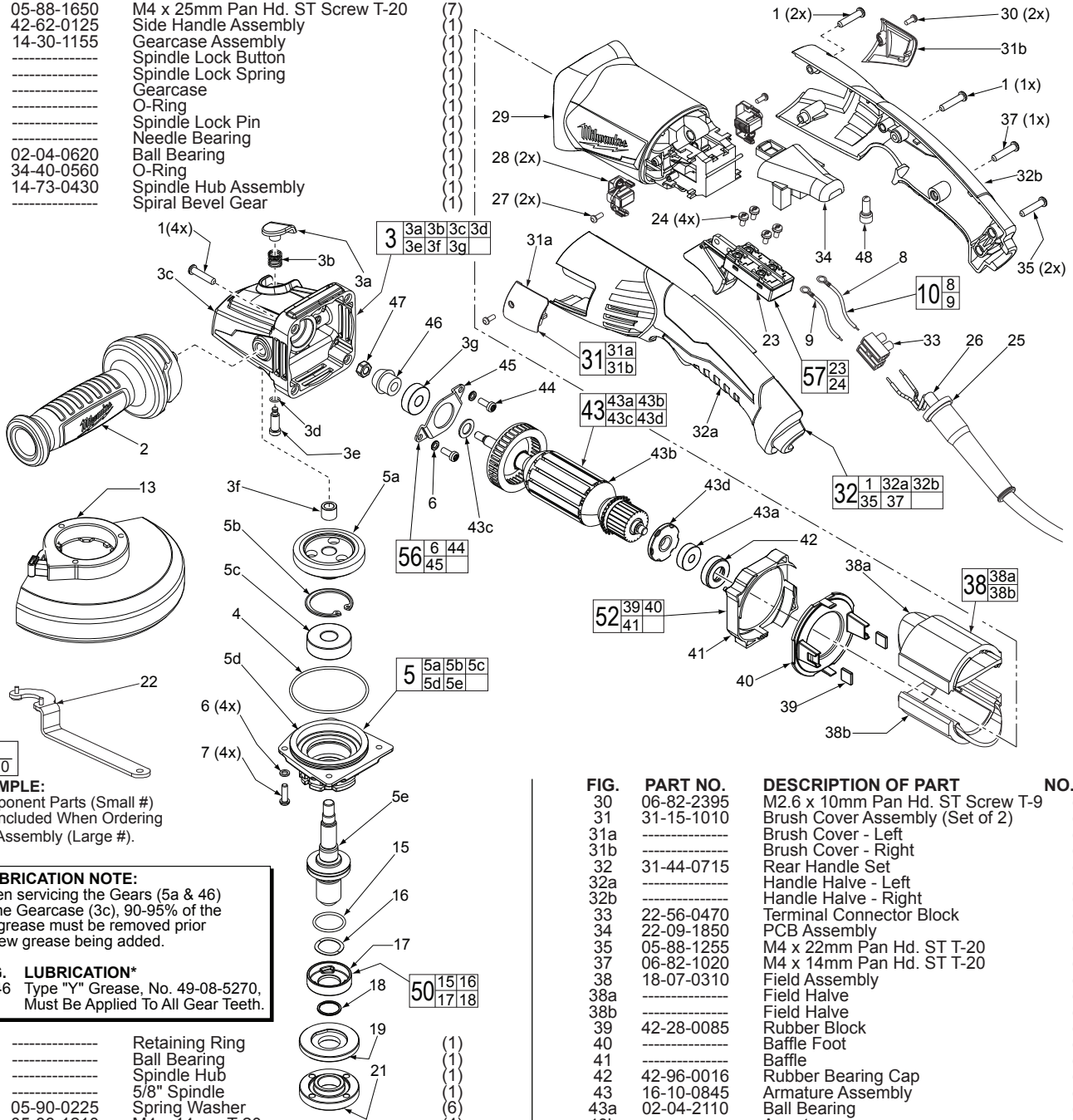


# SERVICE PARTS LIST

**BULLETIN NO.**  
**54-38-2191**

|  |                |  |                   |
|--|----------------|--|-------------------|
| SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS |                | REVISED BULLETIN<br>54-38-2190                       | DATE<br>Mar. 2013 |
| <b>5" HP RAT-TAIL ANGLE GRINDER</b>                    |                |  |                   |
| <b>CAT. NO.</b>  | <b>6124-31</b> | <b>STARTING SERIAL NUMBER</b>                        | <b>D01B</b>       |
|  |                | <b>WIRING INSTRUCTION</b><br><b>See Reverse Side</b> |                   |

| FIG. | PART NO.   | DESCRIPTION OF PART             | NO. REQ. |
|------|------------|---------------------------------|----------|
| 1    | 05-88-1650 | M4 x 25mm Pan Hd. ST Screw T-20 | (7)      |
| 2    | 42-62-0125 | Side Handle Assembly            | (1)      |
| 3    | 14-30-1155 | Gearcase Assembly               | (1)      |
| 3a   | -----      | Spindle Lock Button             | (1)      |
| 3b   | -----      | Spindle Lock Spring             | (1)      |
| 3c   | -----      | Gearcase                        | (1)      |
| 3d   | -----      | O-Ring                          | (1)      |
| 3e   | -----      | Spindle Lock Pin                | (1)      |
| 3f   | -----      | Needle Bearing                  | (1)      |
| 3g   | 02-04-0620 | Ball Bearing                    | (1)      |
| 4    | 34-40-0560 | O-Ring                          | (1)      |
| 5    | 14-73-0430 | Spindle Hub Assembly            | (1)      |
| 5a   | -----      | Spiral Bevel Gear               | (1)      |



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

**\*LUBRICATION NOTE:**  
When servicing the Gears (5a & 46)  
or the Gearcase (3c), 90-95% of the  
old grease must be removed prior  
to new grease being added.

**FIG. LUBRICATION\***  
5a,46 Type "Y" Grease, No. 49-08-5270,  
Must Be Applied To All Gear Teeth.

|    |            |                                      |     |
|----|------------|--------------------------------------|-----|
| 5b | -----      | Retaining Ring                       | (1) |
| 5c | -----      | Ball Bearing                         | (1) |
| 5d | -----      | Spindle Hub                          | (1) |
| 5e | -----      | 5/8" Spindle                         | (1) |
| 6  | 05-90-0225 | Spring Washer                        | (6) |
| 7  | 05-88-1210 | M4 x 14mm T-20                       | (4) |
| 8  | -----      | Leadwire - Black                     | (1) |
| 9  | -----      | Leadwire - White                     | (1) |
| 10 | 23-94-0345 | Leadwire Assy. Kit                   | (1) |
| 13 | 14-32-0215 | 5" Type 27 Guard Assembly            | (1) |
| 15 | -----      | O-Ring                               | (1) |
| 16 | -----      | Wavey Spring                         | (1) |
| 17 | -----      | Flange with Ramps                    | (1) |
| 18 | -----      | Retaining Ring                       | (1) |
| 19 | 43-34-0935 | Inner Disc Flange                    | (1) |
| 21 | 44-40-0035 | Outer Flange Nut                     | (1) |
| 22 | 49-96-7205 | Spanner Wrench                       | (1) |
| 23 | 23-66-2685 | Trigger Switch                       | (1) |
| 24 | 05-78-0305 | M3.5 x 7mm Pan Hd. Phil. Switch Scr. | (4) |
| 25 | 44-76-0095 | Cord Protector                       | (1) |
| 26 | 22-64-3425 | Power Cord                           | (1) |
| 27 | 05-88-0030 | M3 x 8.5mm Pan Hd. ST Screw T-10     | (2) |
| 28 | 22-18-2250 | Carbon Brush Assembly (Set of 2)     | (1) |
| 29 | 31-50-2140 | Motor Housing                        | (1) |

| FIG. | PART NO.   | DESCRIPTION OF PART                  | NO. REQ. |
|------|------------|--------------------------------------|----------|
| 30   | 06-82-2395 | M2.6 x 10mm Pan Hd. ST Screw T-9     | (2)      |
| 31   | 31-15-1010 | Brush Cover Assembly (Set of 2)      | (1)      |
| 31a  | -----      | Brush Cover - Left                   | (1)      |
| 31b  | -----      | Brush Cover - Right                  | (1)      |
| 32   | 31-44-0715 | Rear Handle Set                      | (1)      |
| 32a  | -----      | Handle Halve - Left                  | (1)      |
| 32b  | -----      | Handle Halve - Right                 | (1)      |
| 33   | 22-56-0470 | Terminal Connector Block             | (1)      |
| 34   | 22-09-1850 | PCB Assembly                         | (1)      |
| 35   | 05-88-1255 | M4 x 22mm Pan Hd. ST T-20            | (2)      |
| 37   | 06-82-1020 | M4 x 14mm Pan Hd. ST T-20            | (1)      |
| 38   | 18-07-0310 | Field Assembly                       | (1)      |
| 38a  | -----      | Field Halve                          | (1)      |
| 38b  | -----      | Field Halve                          | (1)      |
| 39   | 42-28-0085 | Rubber Block                         | (2)      |
| 40   | -----      | Baffle Foot                          | (1)      |
| 41   | -----      | Baffle                               | (1)      |
| 42   | 42-96-0016 | Rubber Bearing Cap                   | (1)      |
| 43   | 16-10-0845 | Armature Assembly                    | (1)      |
| 43a  | 02-04-2110 | Ball Bearing                         | (1)      |
| 43b  | -----      | Armature                             | (1)      |
| 43c  | 45-88-0406 | Washer                               | (1)      |
| 43d  | -----      | Magnetic Disc                        | (1)      |
| 44   | 05-88-1280 | M4 x 10mm Pan Hd. Mach. Screw T-20   | (2)      |
| 45   | 44-86-0155 | Bearing Retainer                     | (1)      |
| 46   | 32-60-0305 | Pinion                               | (1)      |
| 47   | 05-55-0620 | M5 Hex Nut                           | (1)      |
| 48   | 22-56-0150 | Close End Connector                  | (1)      |
| 50   | 14-46-6105 | Flange with Ramps Assembly           | (1)      |
| 52   | 42-14-0515 | Baffle Assembly                      | (1)      |
| 56   | 44-86-0145 | Bearing Retaining Plate Assembly     | (1)      |
| 57   | 14-78-0525 | Trigger Switch Assembly              | (1)      |
|      | 12-20-1560 | Service Nameplate (Not Shown)        | (1)      |
|      | 10-20-2225 | Bi-Lingual Warning Label (Not Shown) | (1)      |

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