

## REPAIR SHEET

BRAND

**RYOBI**

DESCRIPTION

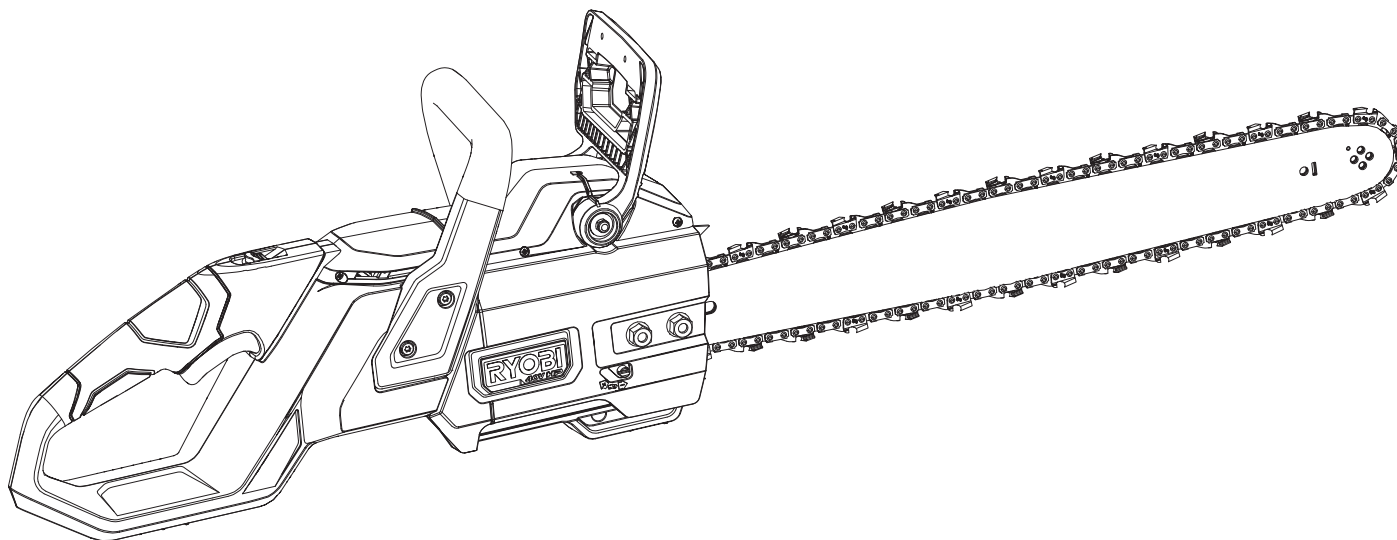
**40 Volt HP 20 in. Chain Saw**

MODEL NO.

**RY405011VNM**

MFG. NO.

**106739001**

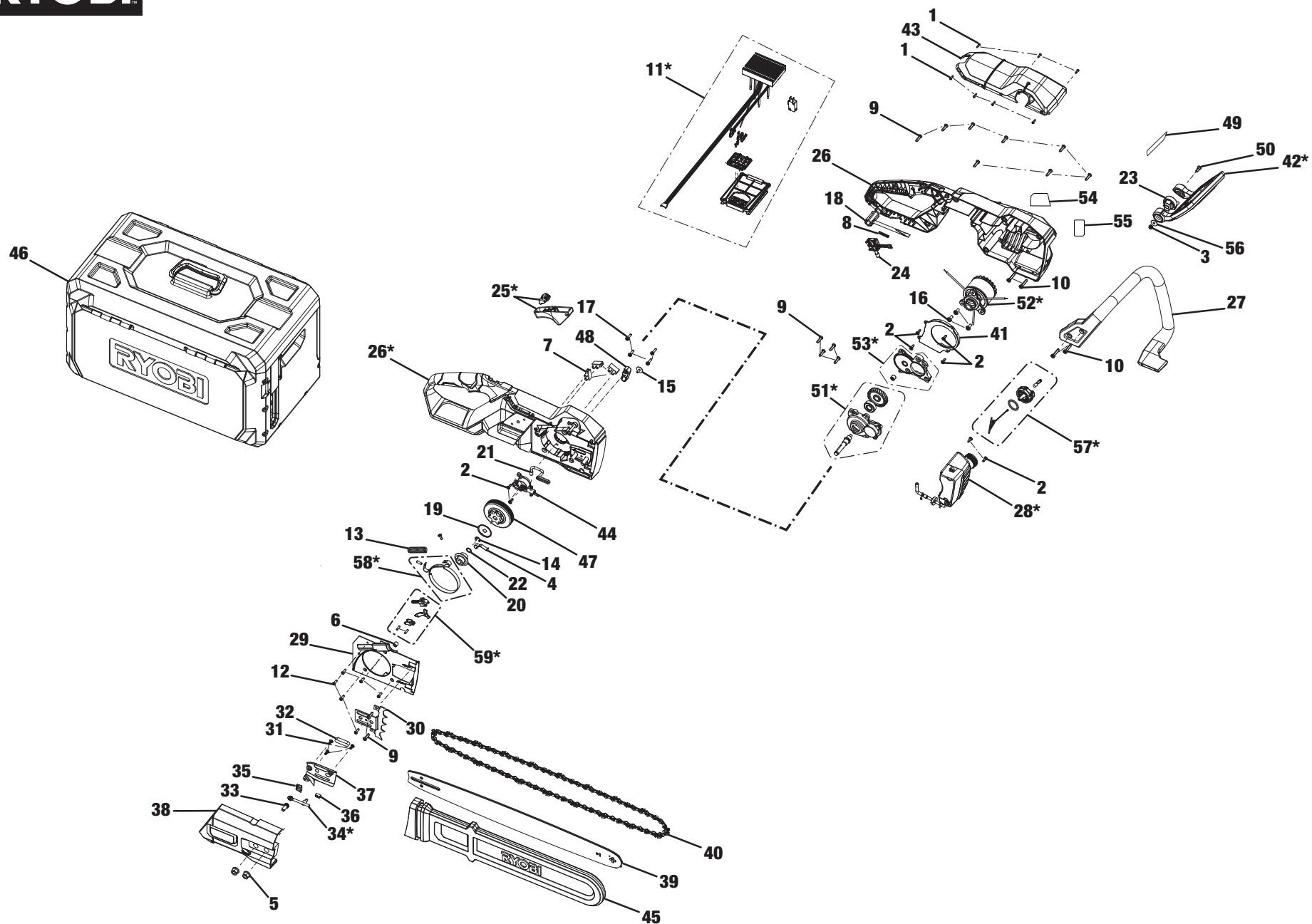


**TECHTRONIC INDUSTRIES POWER EQUIPMENT**

P.O. Box 1288, Anderson, SC 29622 ■ 1-800-525-2579 ■ [www.ryobitools.com](http://www.ryobitools.com)

**12-11-23 (Rev:02)**

*The model number and manufacturing location will be found on a label attached to the product. Always mention this information in all communications regarding this product and when ordering parts.*



\* Part comes as a complete assembly. Individual components of an assembly will not be offered separately, unless listed in the Parts List.

**RY405011VNM****PARTS LIST**

| KEY NO. | PART NO.  | DESCRIPTION                                            | QTY. |
|---------|-----------|--------------------------------------------------------|------|
| 1       | 660005006 | Screw (M3 x 10 mm, Pan Hd.)                            | 7    |
| 2       | 660608001 | Screw (M4 x 11.5 mm, T20 Torx. Pan Hd.)                | 9    |
| 3       | 670974003 | Nut (M5)                                               | 1    |
| 4       | 678061001 | Spring                                                 | 1    |
| 5       | 678339003 | Hex Nut                                                | 2    |
| 6       | 678602001 | Bushing                                                | 1    |
| 7       | 900876003 | Terminal Block                                         | 3    |
| 8       | 694143001 | Spring                                                 | 1    |
| 9       | 662051001 | Screw (M5 x 17.5 mm, T20 Torx. Pan Hd.)                | 14   |
| 10      | 662053001 | Screw (M5 x 25 mm, T25 Torx. Pan Hd.)                  | 4    |
| 11*     | 205739006 | Motor Controller, Common Foot, & Micro Switch Assembly | 1    |
| 12      | 662083001 | Screw (M4 x 12 mm, T20 Torx. Pan Hd.)                  | 6    |
| 13      | 678057001 | Spring                                                 | 1    |
| 14      | 636159001 | E-Ring                                                 | 1    |
| 15      | 662199001 | Screw                                                  | 1    |
| 16      | 662052003 | Screw (M5 x 11 mm, T25 Torx. Pan Hd.)                  | 3    |
| 17      | 662175003 | Screw (M4 x 15 mm, T25 Torx. Pan Hd.)                  | 4    |
| 18      | 637856001 | Wrench                                                 | 1    |
| 19      | 635367001 | Washer                                                 | 1    |
| 20      | 537485001 | Oil Pump Drive                                         | 1    |
| 21      | 565069001 | Oil Tube Outlet                                        | 1    |
| 22      | 658198001 | Washer (ID8.1 x OD13 x 1t)                             | 1    |
| 23      | 539606001 | Rotator for Brake                                      | 1    |
| 24      | 760652001 | Variable Signal Switch                                 | 1    |
| 25*     | 205739004 | Switch Trigger & Lock Out Button Assembly              | 1    |
| 26*     | 205739002 | Housing Assembly (Inc. Keys 54 & 55)                   | 1    |
| 27      | 548630001 | Front Handle                                           | 1    |
| 28*     | 205739005 | Oil Tank Assembly                                      | 1    |
| 29      | 548629001 | Brake Band Cover                                       | 1    |
| 30      | 657396001 | Spike Bumper                                           | 1    |

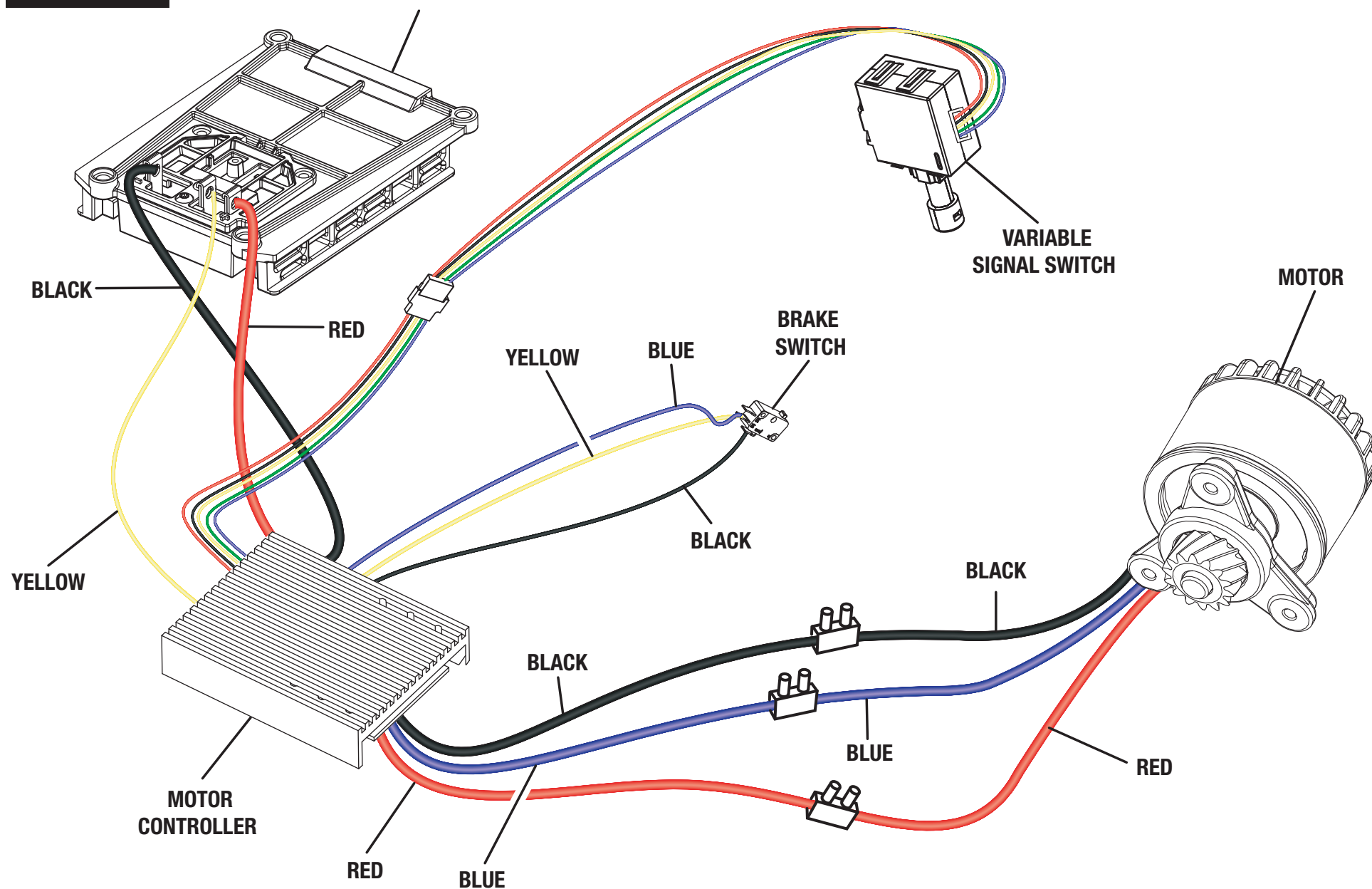
| KEY NO. | PART NO.  | DESCRIPTION                              | QTY. |
|---------|-----------|------------------------------------------|------|
| 31      | 660922001 | Screw (M3 x 10 mm, T20 Torx. Pan Hd.)    | 3    |
| 32      | 563443001 | Rubber                                   | 1    |
| 33      | 614213001 | Bar Adjust Gear                          | 1    |
| 34*     | 315118002 | Adjust Screw Assembly                    | 1    |
| 35      | 538945001 | Big Pressure Plate                       | 1    |
| 36      | 538946001 | Small Pressure Plate                     | 1    |
| 37      | 657580001 | Bar Guide Plate                          | 1    |
| 38      | 315957003 | Sprocket Cover Assembly (Inc. Key 31-37) | 1    |
| 39      | 682773001 | 20 in. Bar                               | 1    |
| 40      | 682774001 | 20 in. Saw Chain                         | 1    |
| 41      | 548409001 | Volute Cover                             | 1    |
| 42*     | 205739003 | Guard Assembly (Inc. Key 49)             | 1    |
| 43      | 549038001 | Upper Cover                              | 1    |
| 44      | 309516005 | Oil Pump                                 | 1    |
| 45      | 581013001 | Bar Scabbard                             | 1    |
| 46      | 319967001 | Carry Case                               | 1    |
| 47      | 615812001 | Sprocket                                 | 1    |
| 48      | 549089001 | Brake Switch Connector                   | 1    |
| 49      | 941097184 | Icon Label                               | 1    |
| 50      | 662113003 | Screw                                    | 1    |
| 51*     | 317482004 | Gear Box Base, Gears, & Shaft Assembly   | 1    |
| 52*     | 317481003 | Motor & Pinion Assembly                  | 1    |
| 53*     | 317483002 | Gear Box Cover Assembly                  | 1    |
| 54      | 941097183 | Data/Warning Label                       | 1    |
| 55      | 941097185 | QR Code Label                            | 1    |
| 56      | 638988003 | Washer (ID5.2 x OD16 x 1.5t)             | 1    |
| 57*     | 306888007 | Oil Tank Cap Assembly                    | 1    |
| 58*     | 307448001 | Brake Band Assembly                      | 1    |
| 59*     | 307447001 | Spring Guide Assembly                    | 1    |

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**RY405011VNM**

**BATTERY CONNECTOR**



**WIRING DIAGRAM**