

## REPAIR SHEET

BRAND

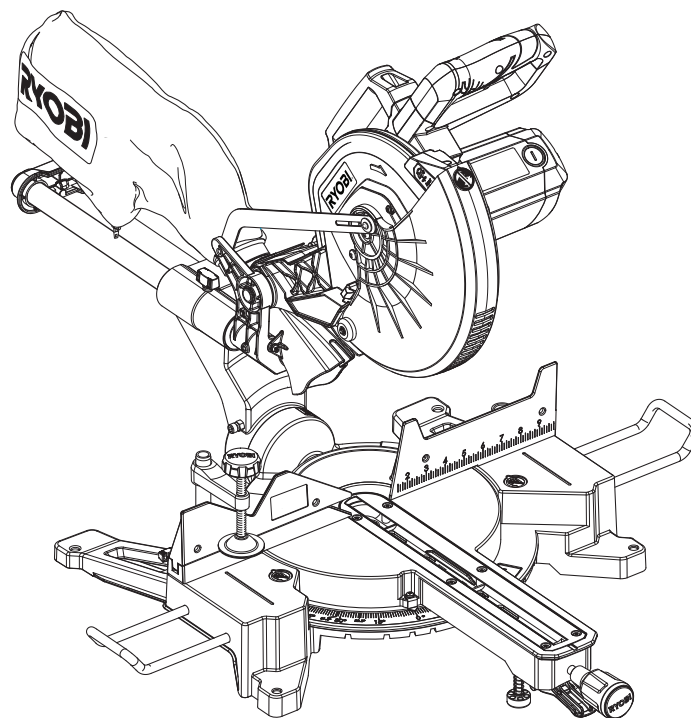
**RYOBI**

MODEL NO.

**TSS120L**

DESCRIPTION

**12 in. Sliding Compound Miter Saw with LED**



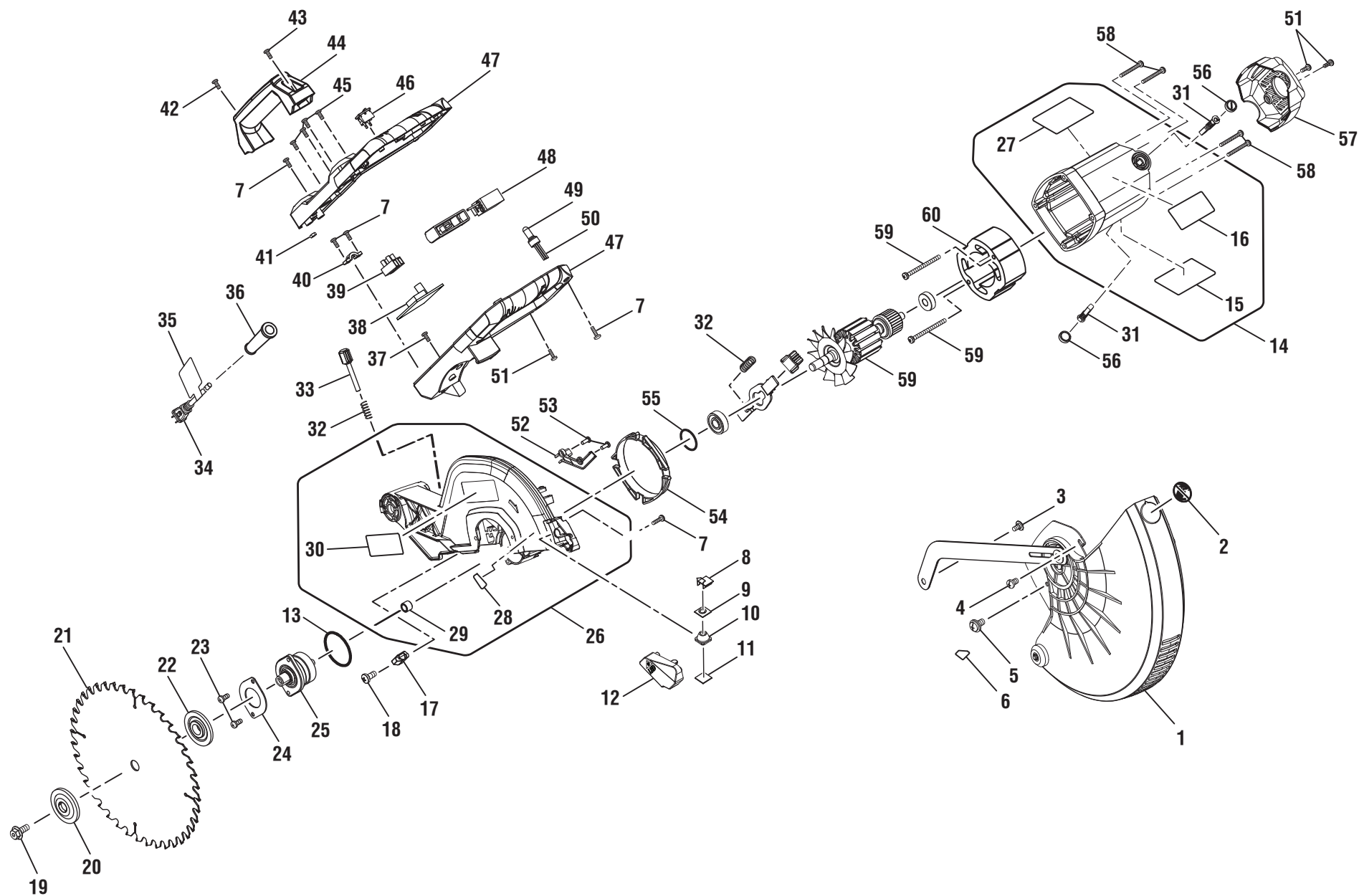
**TTI CONSUMER POWER TOOLS, INC.**

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

4-21-22 (Rev:08)

*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.*

FIGURE A

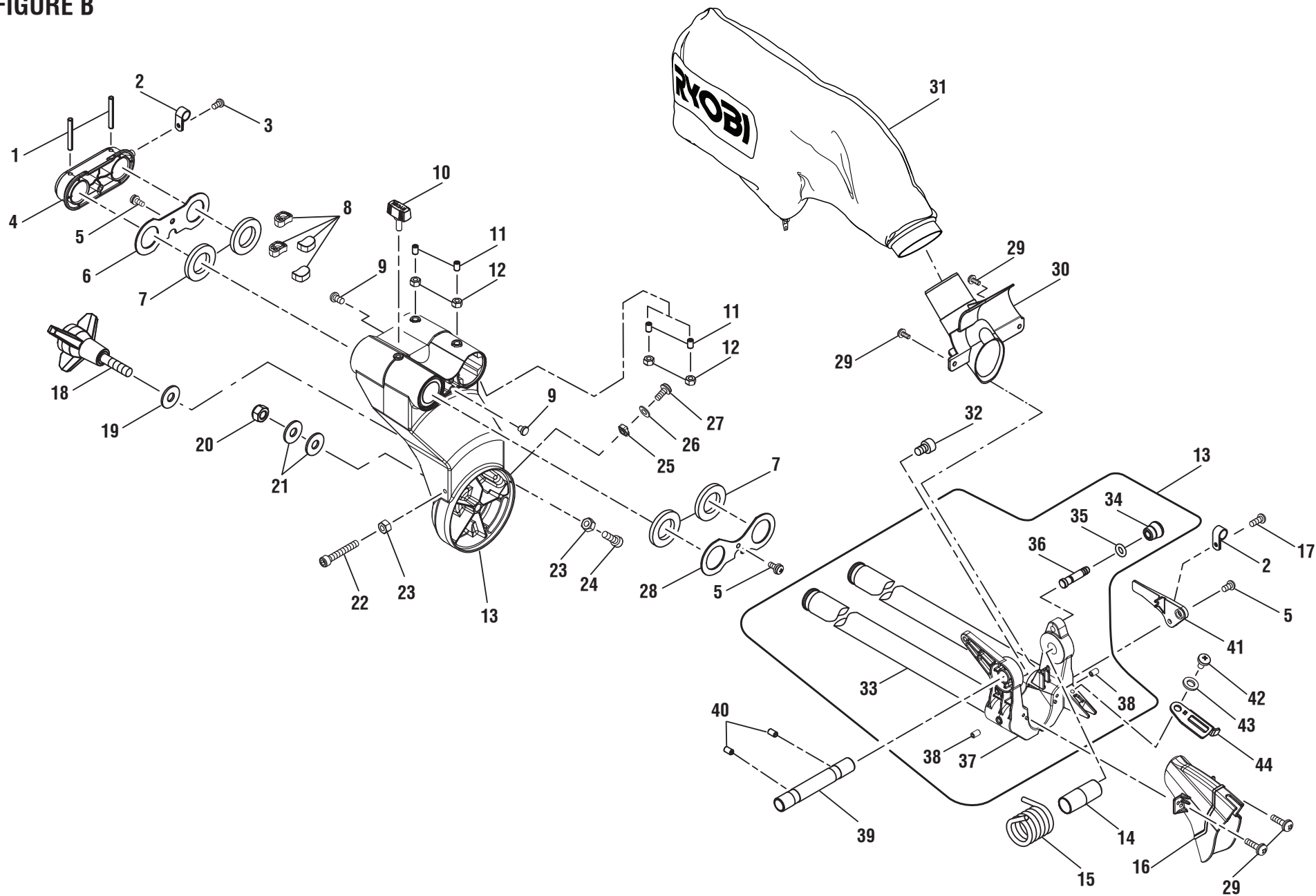


**TSS120L****PARTS LIST — FIGURE A**

| KEY NO. | PART NO.     | DESCRIPTION                                       | QTY. |
|---------|--------------|---------------------------------------------------|------|
| 1       | 089240023710 | Lower Guard Assembly (Inc. Key No. 2)             | 1    |
| 2       | 089100207097 | No Hands Label                                    | 1    |
| 3       | 089006017042 | Screw (M6, Special)                               | 1    |
| 4       | 089006017040 | Screw (M5, Special)                               | 1    |
| 5       | 089006017041 | Screw (M4 x 10 mm, Cheese Hd.)                    | 1    |
| 6       | 089100207051 | Blade Screw Direction Label                       | 1    |
| 7       | 089006017051 | Screw (M4 x 16 mm, Round Hd.)                     | 5    |
| 8       | 089240022005 | LED Deck                                          | 1    |
| 9       | 089240022029 | Isolation Pad                                     | 1    |
| 10      | 089240022004 | Collimator                                        | 1    |
| 11      | 080016005019 | LED Deck (Lens)                                   | 1    |
| 12      | 089240022001 | LED Cap                                           | 1    |
| 13      | 089240023014 | O-Ring                                            | 1    |
| 14      | 089041016715 | Motor Housing Assembly (Inc. Key Nos. 15-16 & 27) | 1    |
| 15      | 089041016901 | Data Label                                        | 1    |
| 16      | 080016005908 | Logo Label                                        | 1    |
| 17      | 089006017117 | Blade Guard Block                                 | 1    |
| 18      | 089006017015 | Screw (M4 x 12 mm, Pan Hd.)                       | 1    |
| 19      | 089041016013 | Arbor Screw (M10 x 20 mm)                         | 1    |
| 20      | 089006017043 | Outer Blade Washer                                | 1    |
| 21      | 089041016907 | Blade                                             | 1    |
| 22      | 089041016014 | Inner Blade Washer                                | 1    |
| 23      | 089006017107 | Screw (M5 x 20 mm, Pan Hd.)                       | 2    |
| 24      | 089041016035 | Arbor Cap                                         | 1    |
| 25      | 089041016711 | Arbor Assembly                                    | 1    |
| 26      | 089240023712 | Upper Guard Assembly (Inc. Key Nos. 28-30)        | 1    |
| 27      | 080016005910 | Warning Label (English)                           | 1    |
| 28      | 089041016906 | Lower Guard Warning Label                         | 1    |
| 29      | 089006017105 | Needle Bearing                                    | 1    |
| 30      | 089240023902 | Logo Label (Upper Guard)                          | 1    |
| 31      | 080016005121 | Brush                                             | 2    |

| KEY NO. | PART NO.          | DESCRIPTION                           | QTY. |
|---------|-------------------|---------------------------------------|------|
| 32      | 080016005029      | Compression Spring                    | 2    |
| 33      | 080016005090      | Adjusting Knob                        | 1    |
| 34      | 089041016043      | Power Cord Assembly (Inc. Key No. 35) | 1    |
| 35      | 080006014904      | Cord Wrap Warning Label               | 1    |
| 36      | 080016005098      | Bend Relief                           | 1    |
| 37      | 080016005056      | Screw (M5 x 12 mm, Pan Hd.)           | 1    |
| 38      | 089240023010      | LED Adapter                           | 1    |
| 39      | 089038001051      | Connector Deck                        | 1    |
| 40      | 089006017062      | Cord Clamp                            | 1    |
| 41      | 080016005100      | Hex Nut (M5)                          | 1    |
| 42      | 080016005104      | Screw (M5 x 25 mm, Pan Hd.)           | 1    |
| 43      | 080016005103      | Screw (M5 x 90 mm, Pan Hd.)           | 1    |
| 44      | 080016005102      | Carry Handle                          | 1    |
| 45      | 080016005105      | Screw w/Washer (M5 x 40 mm, Pan Hd.)  | 4    |
| 46      | 089006017056      | Laser Switch                          | 1    |
| 47      | 089041016716      | Lower Handle Assembly                 | 1    |
| 48      | 089240023706      | Switch Assembly                       | 1    |
| 49      | 089037007048      | Wire Connector                        | 1    |
| 50      | 080016005092      | Yellow Wire                           | 2    |
| 51      | 089006017061      | Screw (M4 x 12 mm, Round Hd.)         | 3    |
| 52      | 089041016042      | LED Wire Cap                          | 1    |
| 53      | 080016005003      | Screw (M4 x 10 mm, Pan Hd.)           | 2    |
| 54      | 080016005076      | Baffle                                | 1    |
| 55      | 089110102275      | O-Ring                                | 1    |
| 56      | 080016005088      | Brush Holder Cap                      | 2    |
| 57      | 080016005087      | End Cap                               | 1    |
| 58      | 080016005086      | Screw w/Washer (M5 x 50 mm)           | 4    |
| 59      | 080016005082      | Screw w/Washer (M5 x 60 mm)           | 2    |
| 60      | 080016005083      | Field Assembly                        | 1    |
|         | <b>Not Shown:</b> |                                       |      |
|         | 991000199         | Operator's Manual                     |      |

FIGURE B

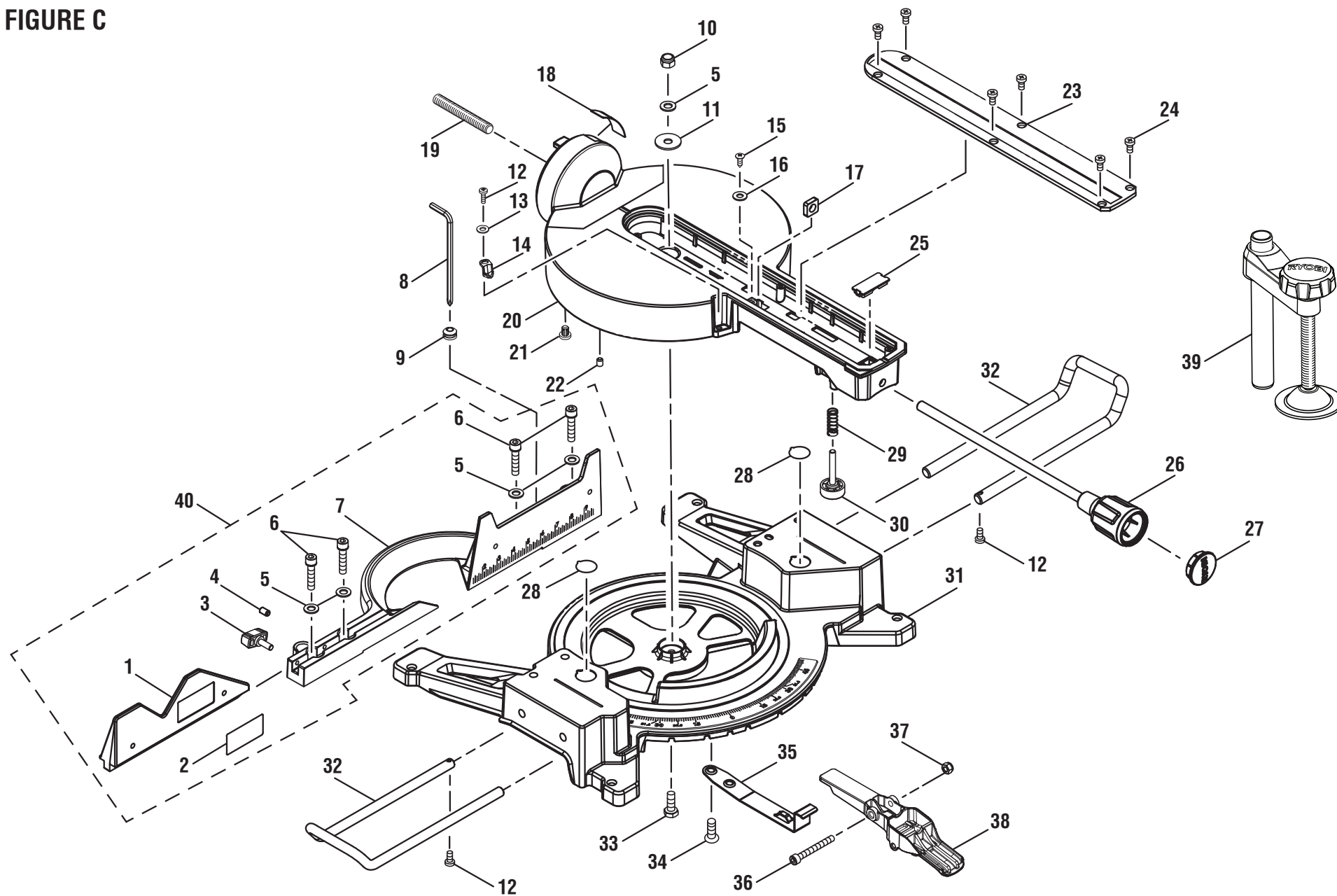


**TSS120L****PARTS LIST — FIGURE B**

| KEY NO. | PART NO.     | DESCRIPTION                                     | QTY. |
|---------|--------------|-------------------------------------------------|------|
| 1       | 089041016034 | Spring Pin                                      | 2    |
| 2       | 089110101081 | Cord Clamp                                      | 2    |
| 3       | 080016005015 | Screw (M5 x 10 mm, Pan Hd.)                     | 1    |
| 4       | 089041016029 | Cap                                             | 1    |
| 5       | 080016005056 | Screw (M5 x 12 mm, Pan Hd.)                     | 3    |
| 6       | 089041016030 | Rear Cap                                        | 1    |
| 7       | 089041016024 | Felt Washer                                     | 4    |
| 8       | 089041016025 | Adjust Pad                                      | 4    |
| 9       | 080016005048 | Bumper                                          | 2    |
| 10      | 080016005038 | Miter Knob                                      | 1    |
| 11      | 080016005054 | Set Screw (M8 x 20 mm)                          | 4    |
| 12      | 080016005053 | Hex Nut (M8)                                    | 4    |
| 13      | 089041016702 | Sliding Bracket Assembly (Incl. Key Nos. 33-38) | 1    |
| 14      | 089041016009 | Pivot Spring Bushing                            | 1    |
| 15      | 089041016010 | Torsion Spring                                  | 1    |
| 16      | 089041016008 | Dust Chute                                      | 1    |
| 17      | 089006017052 | Screw (M5 x 15 mm, Pan Hd.)                     | 1    |
| 18      | 080016005016 | Bevel Lock Knob                                 | 1    |
| 19      | 089006017035 | Washer (ID10 x OD26 x2t)                        | 1    |
| 20      | 080016005017 | Lock Nut (M10)                                  | 1    |
| 21      | 080016005116 | Washer (ID10.2 x OD20 x 2t)                     | 2    |
| 22      | 089041016031 | Bolt (M6 x 55 mm, Hex Hd.)                      | 1    |

| KEY NO. | PART NO.     | DESCRIPTION                      | QTY. |
|---------|--------------|----------------------------------|------|
| 23      | 080016005059 | Hex Nut (M6)                     | 2    |
| 24      | 089041016032 | Screw (M6 x 35 mm, Hex Soc. Hd.) | 1    |
| 25      | 080016005014 | Bevel Indicator                  | 1    |
| 26      | 089006017066 | Washer (ID4 x OD8 x 1t)          | 1    |
| 27      | 080016005013 | Screw (M4 x 6 mm, Pan Hd.)       | 1    |
| 28      | 089041016033 | Front Cap                        | 1    |
| 29      | 089041016016 | Screw (M4 x 10 mm)               | 4    |
| 30      | 080016005010 | Dust Tube                        | 1    |
| 31      | 080016005706 | Dust Bag Assembly                | 1    |
| 32      | 080016005009 | Screw (M8 x 10 mm, Hex Soc. Hd.) | 1    |
| 33      | 089041016022 | Tube                             | 2    |
| 34      | 080016005043 | Lock Pin Knob                    | 1    |
| 35      | 089006017027 | O Ring                           | 1    |
| 36      | 089006017026 | Lock Pin                         | 1    |
| 37      | 089041016023 | Bevel Pivot                      | 1    |
| 38      | 080016005045 | Screw (M6 x 8 mm)                | 2    |
| 39      | 089041016011 | Spindle                          | 1    |
| 40      | 089041016012 | Screw (M5 x 8 mm)                | 2    |
| 41      | 089041016015 | Indicator                        | 1    |
| 42      | 089006017042 | Screw (M6, Special)              | 1    |
| 43      | 080016005042 | Wavy Washer (ID8 x OD13 x 0.3t)  | 1    |
| 44      | 080016005041 | Adjusting Plate                  | 1    |

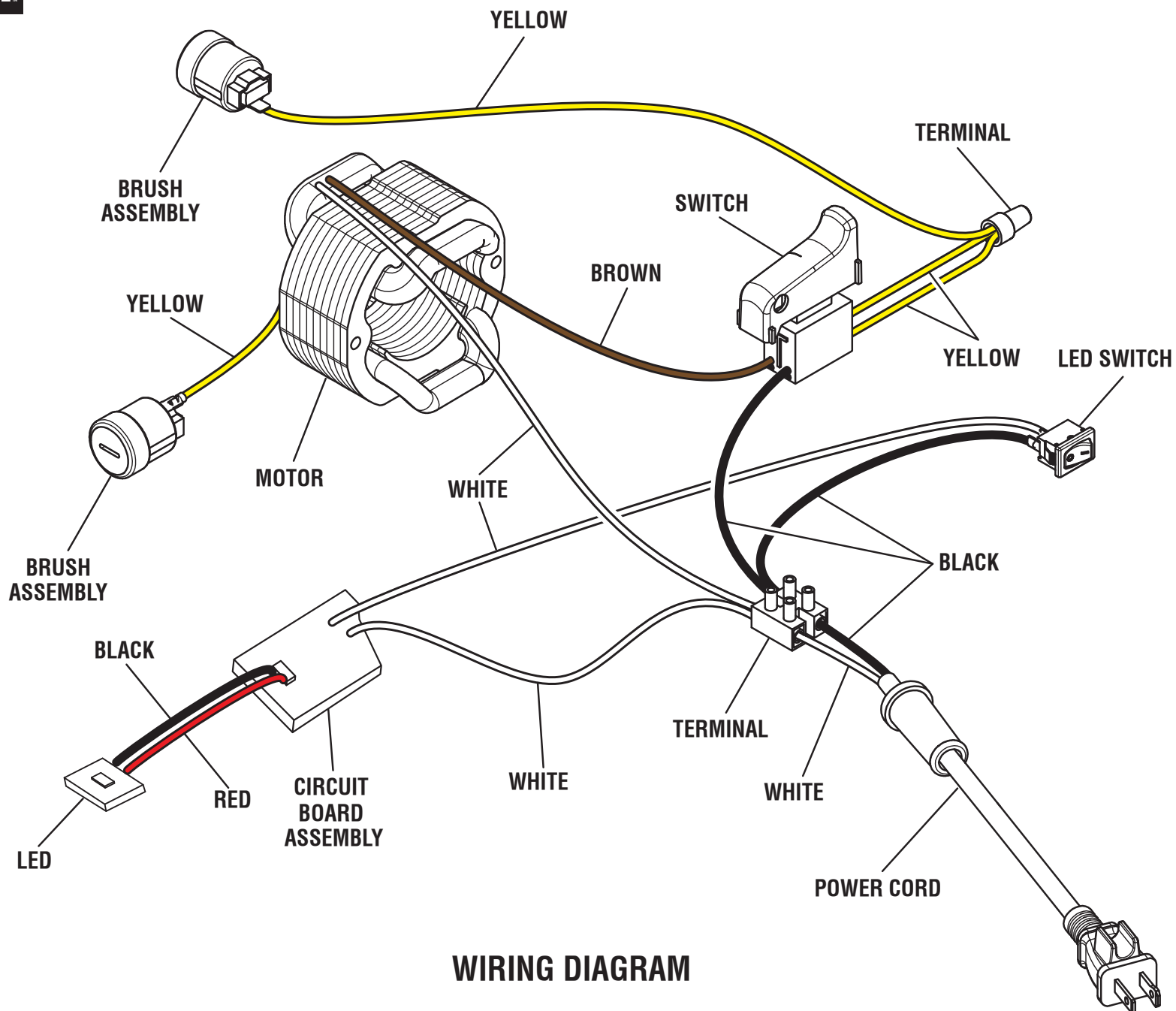
FIGURE C



**PARTS LIST — FIGURE C**

| KEY NO. | PART NO.     | DESCRIPTION                                | QTY. |
|---------|--------------|--------------------------------------------|------|
| 1       | 089240023007 | Extension Fence Assembly (Incl. Key No. 2) | 1    |
| 2       | 089041016903 | Warning Label (Extension Fence)            | 1    |
| 3       | 080016005038 | Miter Fence Knob                           | 1    |
| 4       | 089041016006 | Set Screw (M6 x 12 mm)                     | 1    |
| 5       | 089006017020 | Washer (ID8 x OD16 x 1.5t)                 | 5    |
| 6       | 089041016002 | Screw w/Washer (M8 x 35 mm, Hex Soc. Hd.)  | 4    |
| 7       | 089240023006 | Fence                                      | 1    |
| 8       | 089041016007 | Blade Wrench                               | 1    |
| 9       | 089006017008 | Blade Wrench Holder                        | 1    |
| 10      | 089006017021 | Lock Nut (M8)                              | 1    |
| 11      | 089006017071 | Washer (ID8.25 x OD21.9 x 1.5t)            | 1    |
| 12      | 089006017015 | Screw (M4 x 12 mm)                         | .3   |
| 13      | 089006017066 | Washer (ID4 x OD8 x 1t)                    | 1    |
| 14      | 080016005037 | Miter Indicator                            | 1    |
| 15      | 089041016016 | Screw (M4 x 10 mm)                         | 1    |
| 16      | 089041016055 | Washer (ID4 x OD14 x 1t)                   | 1    |
| 17      | 080016005030 | Square Nut (M10)                           | 1    |
| 18      | 089041016911 | Bevel Scale                                | 1    |
| 19      | 080016005035 | Bevel Bolt (M10 x 81.5 mm)                 | 1    |
| 20      | 089041016059 | Table                                      | 1    |

| KEY NO. | PART NO.     | DESCRIPTION                        | QTY. |
|---------|--------------|------------------------------------|------|
| 21      | 080016005034 | Turring Pad                        | 10   |
| 22      | 080016005114 | Screw (M6 x 8 mm)                  | 1    |
| 23      | 089041016001 | Throat Plate                       | 1    |
| 24      | 080016005003 | Screw (M4 x 10 mm)                 | 6    |
| 25      | 080016005036 | Cap                                | 1    |
| 26      | 089041016020 | Miter Lock Lever                   | 1    |
| 27      | 080016005031 | Miter Lock Lever Cap               | 1    |
| 28      | 089100207097 | No Hands Label                     | 2    |
| 29      | 080016005029 | Spring                             | 1    |
| 30      | 080016005028 | Support Knob                       | 1    |
| 31      | 089041016706 | Base Assembly (Incl. Key No. 28)   | 1    |
| 32      | 080016005001 | Extension Rod                      | 2    |
| 33      | 089006017007 | Screw (M8 x 20 mm, Hex Hd.)        | 1    |
| 34      | 089041016018 | Screw (M8 x 20mm, Hex Hd.)         | 2    |
| 35      | 089041016019 | Positioning Spring                 | 1    |
| 36      | 080016005026 | Screw (M6 x 50 mm, Hex Soc. Hd.)   | 1    |
| 37      | 089006017081 | Lock Nut (M6)                      | 1    |
| 38      | 080016005707 | Quick Positioning Assembly         | 1    |
| 39      | 089041016705 | Work Clamp Assembly                | 1    |
| 40      | 089240023711 | Fence Assembly (Inc. Key Nos. 1-7) | 1    |



**WIRING DIAGRAM**