



## RYOBI 1/2 INCH DRILL - MODEL NUMBER D50VSR

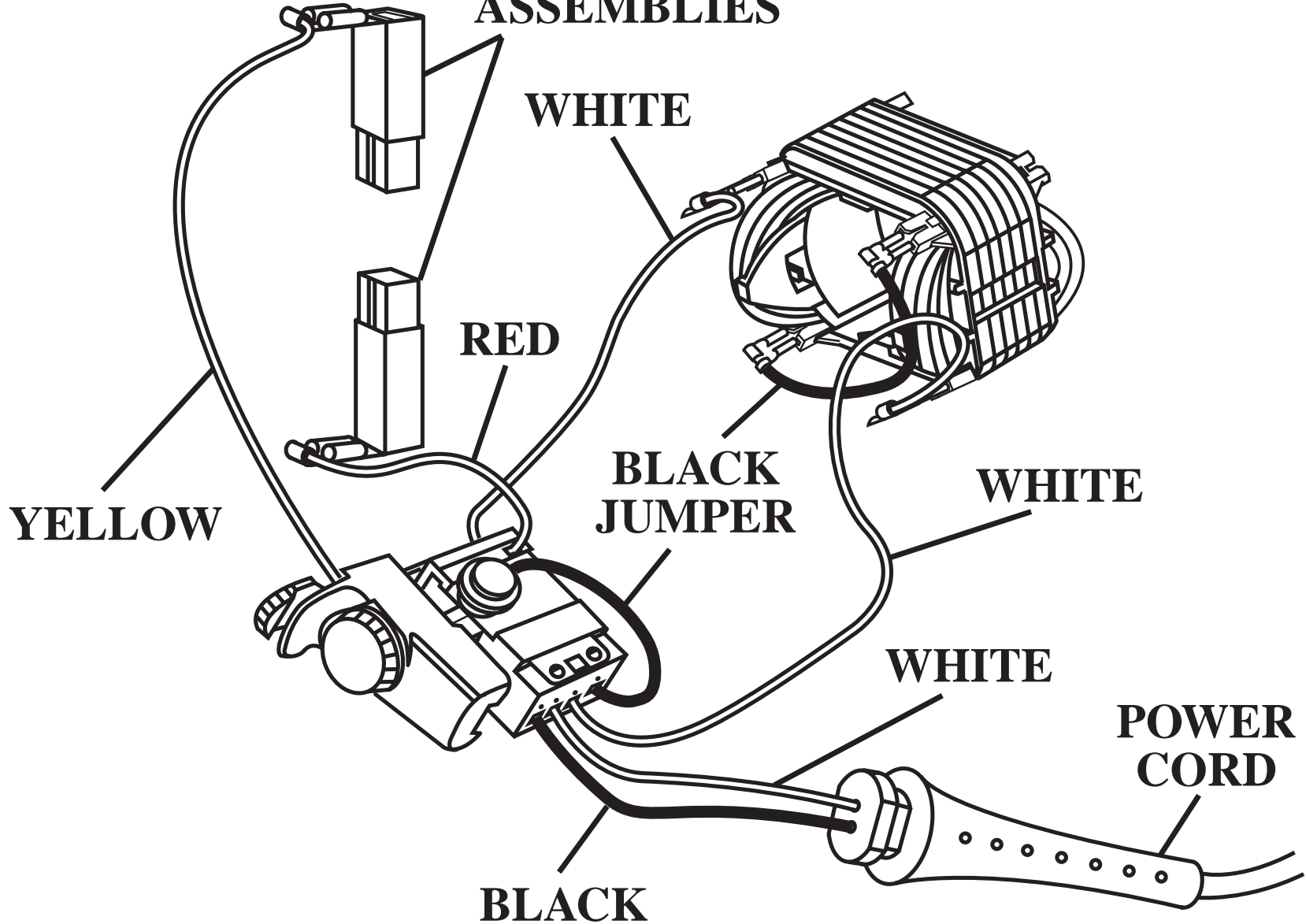
The model number will be found on a plate attached to the motor housing. Always mention the model number in all correspondence regarding your **1/2 INCH DRILL** or when ordering repair parts.

### PARTS LIST

| KEY NO. | PART NUMBER | DESCRIPTION  | QUAN. | KEY NO. | PART NUMBER | DESCRIPTION   | QUAN. |
|---------|-------------|--|-------|---------|-------------|---|-------|
| 1       | 968702-009  | SCREW (#8-16 X 5/8 IN. PAN HD.)                                    | 6     | 21      | 968308-035  | GEAR AND PINION   | 1     |
| 2       | 974155-001  | DATA PLATE   | 1     | 22      | 989067-002  | THRUST WASHER   | 1     |
| 3       | 974161-001  | HOUSING ASSEMBLY   | 1     | 23      | 703774-005  | BALL  | 1     |
| 4       | 612598-002  | WELD NUT   | 1     | 24      | 931055-011  | WASHER  | 2     |
| 5       | 623019-003  | RUBBER PLUG  | 1     | 25      | 968308-032  | CLUSTER GEAR AND SHAFT ASSEMBLY                               | 1     |
| 6       | 972895-002  | AUXILIARY HANDLE   | 1     | 26      | 972717-001  | SLEEVE BEARING  | 1     |
| 7       | 972877-001  | "D" SHAPED HANDLE  | 1     | 27      | 990962-001  | BEARING   | 1     |
| 8       | 703493-819  | WASHER   | 1     | 28      | 968308-033  | GEAR AND SPINDLE ASSEMBLY                                     | 1     |
| 9       | 617205-001  | SCREW (#1/4-20 X 3/4 IN. PAN HD.)                                  | 1     | 29      | 620789-003  | SPRING WASHER   | 1     |
| 10      | 968304-044  | BRUSH ASSEMBLY   | 2     | 30      | 990963-001  | SPINDLE BEARING   | 1     |
| 11      | 990839-001  | BRUSH TUBE   | 2     | 31      | 974160-001  | GEAR HOUSING W/BEARINGS<br>(INCLUDES KEY NOS. 26, 27, AND 30) | 1     |
| 12      | 968307-115  | FIELD ASSEMBLY   | 1     | 32      | 968703-013  | SCREW (#8-32 X 7/8 IN. PAN HD. T.F.)                          | 4     |
| 13      | 990133-001  | SLEEVE BEARING   | 1     | 33      | 973869-001  | 1/2 IN. CHUCK   | 1     |
| 14      | 968306-122  | ARMATURE   | 1     | 34      | 613150-003  | SCREW<br>(5/16-24 X 7/8 IN. FIL. HD. LEFT HAND)               | 1     |
| 15      | 968305-010  | BALL BEARING (NTN#608ZZ/1E)  | 1     | 35      | 606858-001  | CHUCK KEY   | 1     |
| 16      | 972725-002  | BEARING PLATE W/BEARINGS<br>(INCLUDES KEY NOS. 15, 17, 18, AND 19) | 1     | 36      | 974190-005  | YELLOW LEAD   | 1     |
| 17      | 972719-001  | SLEEVE BEARING   | 1     | 37      | 974190-004  | RED LEAD  | 1     |
| 18      | 972718-001  | SLEEVE BEARING   | 1     | 38      | 974918-001  | SWITCH  | 1     |
| 19      | 972720-001  | SLEEVE BEARING   | 1     | 39      | 974154-001  | LOGO PLATE  | 1     |
| 20      | 931744-063  | WASHER   | 2     | 40      | 970105-021  | CORD ASSEMBLY   | 1     |
|         |             |  |       |         | 972000-299R | OWNER'S MANUAL  |       |

**BRUSH  
ASSEMBLIES**

**CAPAX SWITCH**



**WIRING DIAGRAM**

RYOBI 1/2 INCH DRILL - MODEL NUMBER D50VSR

EATON SWITCH

**BRUSH  
ASSEMBLIES**

**WHITE**

**RED**

**YELLOW**

**BLACK  
JUMPER**

**WHITE**

**BLACK**

**POWER  
CORD**

**WHITE**

**WIRING DIAGRAM**

