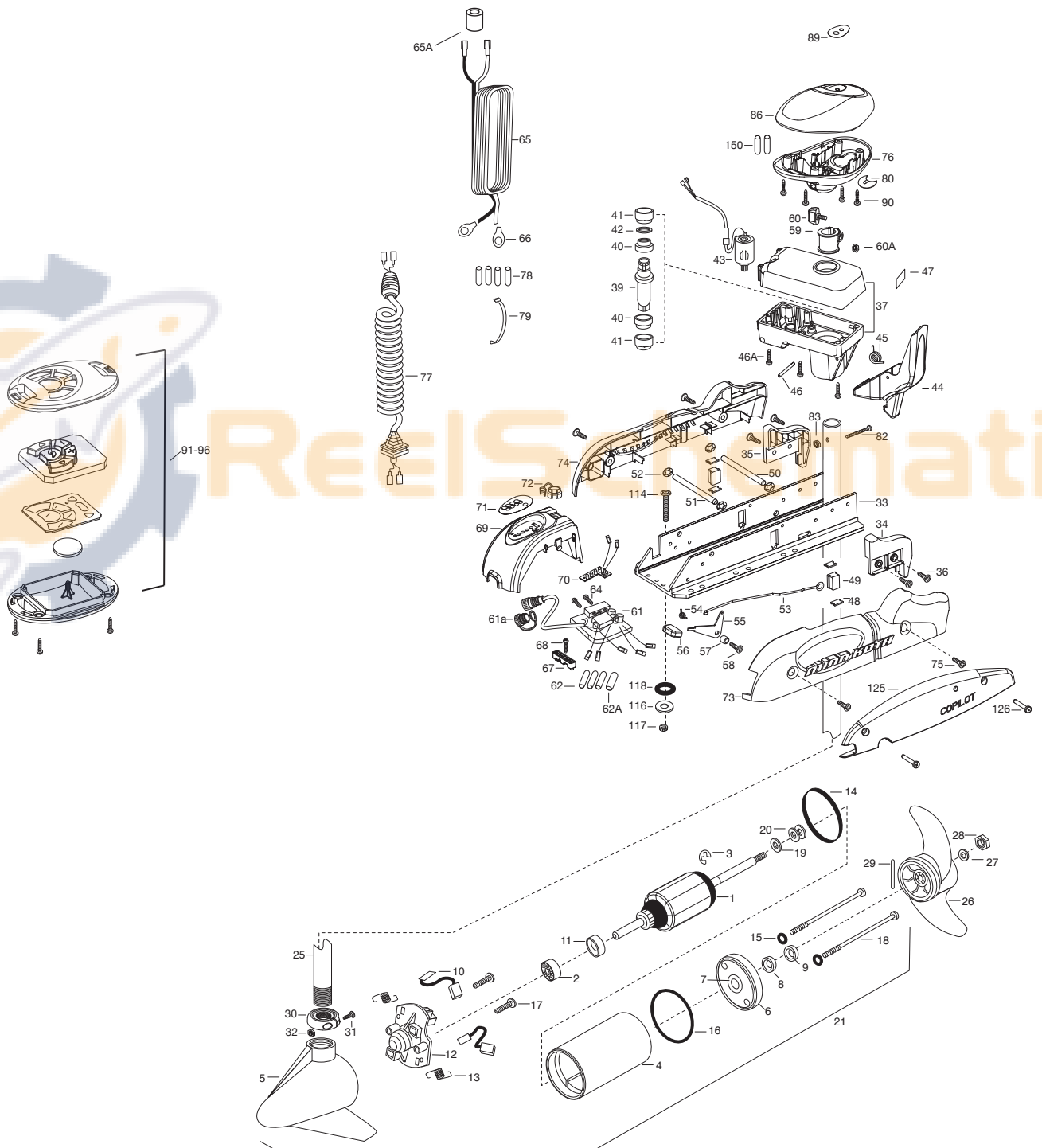


# PARTS DIAGRAM

for use with "Q" serial numbers 2-year warranty

## RIPTIDE POWERDRIVE V2 70

70 LBS THRUST - 24 VOLT - 42AMPS - 54" SHAFT



# PARTS LIST

## RIPTIDE POWERDRIVE V2 70 70 LBS THRUST - 24 VOLT - 54" SHAFT

| ITEM | QTY | PART NUMBER | DESCRIPTION                             |
|------|-----|-------------|-----------------------------------------|
| 1    | 1   | 2-100-119   | ARMATURE ASSY 24V                       |
| 2    | 1   | 140-010     | BALL BEARING                            |
| 3    | 1   | 788-015     | RETAINING RING                          |
| 4    | 1   | 2-200-304   | HOUSING ASSY CENTER                     |
| 5    | 1   | 421-336     | HOUSING -BRUSH END                      |
| 6    | 1   | 2-400-337   | PLAIN END HOUSING ASSEMBLY 3.625        |
| 7    | 1   | 144-049     | BEARING - FLANGE (SERVICE ONLY)         |
| 8    | 1   | 880-003     | SEAL                                    |
| 9    | 1   | 880-006     | SEAL WITH SHIELD                        |
| 10   | 2   | 188-037     | BRUSH ASSEMBLY                          |
| 11   | 1   | 725-050     | BRUSH RETENTION- PAPER TUBE             |
| 12   | 1   | 738-036     | BRUSH PLATE W/HOLDER                    |
| ■    | 1   | 2307314     | FERRITE BEAD                            |
| 13   | 2   | 975-040     | SPRING - TORSION                        |
| 14   | 1   | 337-036     | GASKET                                  |
| 15   | 2   | 701-008     | O-RING, THRU-BOLT                       |
| 16   | 1   | 701-081     | O-RING                                  |
| 17   | 2   | 830-007     | SCREW-8-32                              |
| 18   | 2   | 830-008     | THRU-BOLT 10-32X8.83                    |
| 19   | 1   | 990-067     | WASHER- STEEL THRUST                    |
| 20   | 2   | 990-070     | WASHER - NYLATRON                       |
| 21   | 1   | 2096056     | MOTOR ASSY 24V                          |
| 25   | 1   | 2002001     | TUBE-54" WHITE                          |
| ■    | 1   | 1378131     | PROPELLER KIT                           |
| 26   | 1   | 2091160     | PROPELLER W/WEDGE 2                     |
| 27   | 1   | 2151726     | WASHER-5/16 SS                          |
| 28   | 1   | 2198400     | ZINC ANODE                              |
| 29   | 1   | 2092600     | PIN-DRIVE                               |
| 30   | 1   | 2301545     | COLLAR- LATCH PD/AP                     |
| 31   | 1   | 2303434     | SCREW- 8-32X5/8 MACH                    |
| 32   | 1   | 2303112     | NUT 8-32 NYLOC SS                       |
| 33   | 1   | 2301937     | EXTRUSION- BASE MACH                    |
| 34   | 1   | 2303932     | MOTOR REST- RIGHT 3-5/8                 |
| 35   | 1   | 2303937     | MOTOR REST- LEFT 3-5/8                  |
| 36   | 4   | 2332104     | SCREW 1/4-20X5/8                        |
| 37   | 1   | 2771827     | DRIVE HOUSING / LATCH HANDLE ASSY WHITE |
| ■    | 1   | 2882011     | BUSHING/ OUTSHAFT KIT (INCLUDES 39-42)  |
| *39  | 1   | 2302010     | DRIVE HSG OUTPUT SHFT                   |
| *40  | 2   | 2307304     | BUSHING- INNER                          |
| *41  | 2   | 2307305     | BUSHING- OUTER                          |
| *42  | 1   | 2304603     | O-RING                                  |
| 43   | 1   | 2307050     | MOTOR- DRIVE HOUSING                    |
| 44   | 1   | 2307201     | LATCH HANDLE PD/AP                      |
| 45   | 1   | 2302750     | SPRING- LATCH TORSION                   |
| 46   | 1   | 2302628     | PIN- ROLL                               |
| 46A  | 6   | 2303408     | SCREW - DRIVE HOUSING                   |
| 47   | 1   | 2305564     | DECAL-STOW/DEPLOY                       |
| 48   | 4   | 2335110     | PAD-PIVOT SUPT                          |
| 49   | 2   | 2305103     | PIVOT PAD                               |
| 50   | 1   | 2330510     | PIN-LATCH                               |
| 51   | 1   | 2330520     | PIN-PIVOT                               |
| 52   | 4   | 2013100     | NUT-SPEED                               |
| 53   | 1   | 2303612     | ROD-RELEASE RT/AP S                     |
| 54   | 1   | 2322700     | SPRING-RELEASE LEVER                    |
| 55   | 1   | 2333705     | LEVER-RELEASE                           |
| 56   | 1   | 2300101     | RELEASE-KNOB                            |
| 57   | 1   | 2301700     | SPACER-RELEASE LEVER                    |
| 58   | 1   | 2332104     | SCREW-1/4-20 X 5/8                      |
| 59   | 1   | 2031522     | COLLAR- DRIVE(W/INSERT)                 |
| 60   | 1   | 2011366     | SCREW-COLLAR/NEW KNOB                   |
| 60A  | 1   | 2323104     | NUT                                     |

| ITEM | QTY | PART NUMBER | DESCRIPTION                           |
|------|-----|-------------|---------------------------------------|
| 61   | 1   | 2304065     | CONTROL BOARD ASSEMBLY-24V POWERDRIVE |
| 61A  | 1   | 2320208     | DUST COVER                            |
| 62   | 3   | 2305410     | SHRINK TUBE - .315 OD X 2.25"         |
| 62A  | 1   | 2305415     | SHRINK TUBE - .472 ID X 2.25"         |
| 64   | 3   | 2303434     | SCREW-8-32 X 5/8                      |
| 65   | 1   | 2090651     | LEADWIRE 10GA 44"                     |
| 65A  | 1   | 2307310     | BEAD - FERRITE (CE MODELS ONLY)       |
| 66   | 2   | 2020700     | TERMINAL RING                         |
| 67   | 1   | 2321310     | STRAIN RELIEF- BRACKET PD/AP          |
| 68   | 1   | 2323405     | SCREW-1/4-20 X 5/8 SS                 |
| 69   | 1   | 2306556     | HOUSING- CENTER WHITE                 |
| 70   | 1   | 2074081     | BATTERY GAUGE - 24V                   |
| 71   | 1   | 2316606     | DECAL, BATTERY GAUGE                  |
| 72   | 1   | 2302935     | STRAIN RELIEF-DR. HSGING              |
| 73   | 1   | 2303944     | SIDEPLATE (RIGHT) WHITE               |
| 74   | 1   | 2303949     | SIDEPLATE (LEFT) WHITE                |
| 75   | 4   | 2332104     | SCREW-1/4-20 X 5/8                    |
| 76   | 1   | 2302516     | CONTROL BOX PD/AP                     |
| 77   | 1   | 2991283     | COIL CORD W/STRAIN RELIEF PD 54"      |
| 78   | 4   | 2305403     | SHRINK TUBE - .500 ID X 1.0" ADHVS    |
| 79   | 1   | 2256300     | TIE WRAP-5" BLACK                     |
| 80   | 1   | 2224703     | INSERT- PLUG                          |
| 82   | 1   | 2332102     | SCREW-10-24 X 1-3/4 PPH SS            |
| 83   | 1   | 2013101     | NUT-HEX 10-24 NYLOC                   |
| 86   | 1   | 2300243     | CONTROL BOX COVER- RIPTIDE WHITE      |
| 89   | 1   | 2315656     | DECAL- COVER 70PD                     |
| 90   | 4   | 2012100     | SCREW-8-18 X 5/8                      |
| ■    | 1   | 2994020     | COPILOT TRANSMITTER                   |
| 91   | 1   | 2304505     | TRANSMITTER CASE CVR                  |
| 92   | 1   | 2308501     | KEYPAD                                |
| 93   | 1   | 2300255     | CIRCUIT BOARD, TRANS                  |
| 94   | 1   | 2303723     | BATTERY, COIN                         |
| 95   | 1   | 2303722     | TRANSMITTER CASE BTM                  |
| 96   | 4   | 2302730     | SCREW, TRANSMITTER                    |
| ■    | 1   | 2774089     | RECEIVER ASSEMBLY V2, COPILOT         |
| 100  | 1   | 2372511     | CASE, RECEIVER WHT                    |
| 101  | 2   | 2373442     | SCREW 1/4-20 X 1.75 SS                |
| 102  | 2   | 2373450     | SCREW #8 X 3/8                        |
| 103  | 2   | 2371727     | WASHER                                |
| 104  | 1   | 2373418     | SCREW #8 X 5/8 SS                     |
| 105  | 1   | 2374092     | CIRCUIT BRD V2, RCVR                  |
| ■    | 1   | 2994864     | BAG ASSEMBLY- (BOLT,NUT,WASHERS)      |
| *114 | 6   | 2263462     | BOLT-MOUNTING-1/4X2                   |
| *116 | 6   | 2261713     | WASHER-1/4                            |
| *117 | 6   | 2263103     | NUT NYLOK 1/4-20 MTG                  |
| *118 | 6   | 2301720     | WASHER-MOUNTING RUBBER                |
| ■    | 1   | 2888460     | SEAL & ORING KIT                      |
| 125  | 1   | 2774089     | COPILOT SIDEPLATE                     |
| 126  | 2   | 2373442     | SCREW - 1/4-20 X 1.75 PPH MACH        |
| 150  | 1   | 2305402     | SHRINK TUBE - .374 OD X 2.25"         |

■ THIS ITEM IS PART OF AN ASSEMBLY.

\*THIS ITEM IS PART OF A KIT AND ONLY LISTED FOR VIEWING PURPOSES.

# MOTOR WIRING DIAGRAM

**NOTE:** This is a universal, multi-voltage diagram. Double check your motor's voltage for proper connections. Over-Current Protection Devices not shown in this illustration.

Riptide PowerDrive 70 is 24-volts only!

