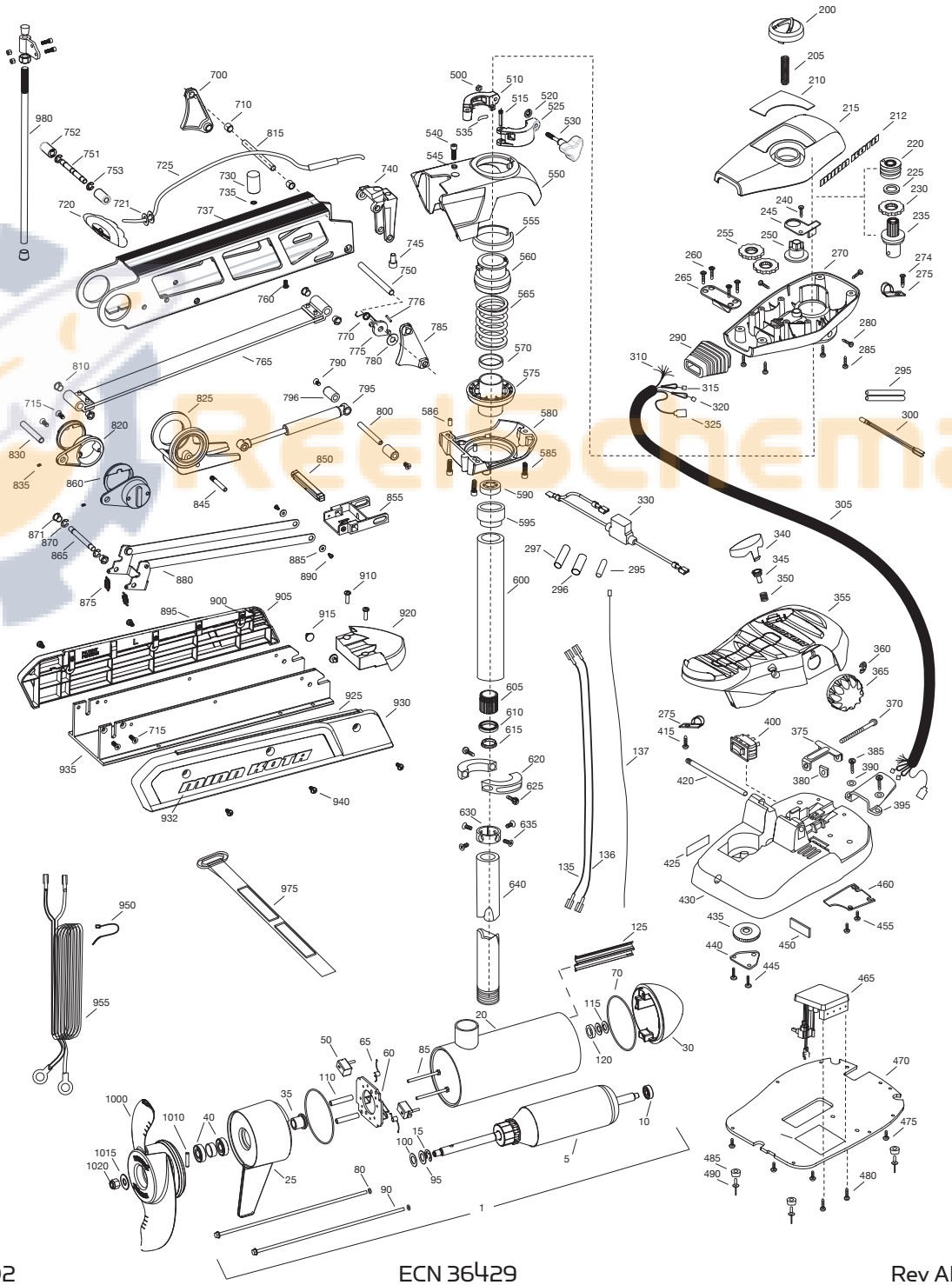
# PARTS DIAGRAM

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

## FORTREX 80

**80 LBS THRUST - 24 VOLT - 56 AMPS - 52”/62” SHAFT**




ReelSchematic



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# PARTS LIST

## FORTREX 80

### 80 LBS THRUST - 24 VOLT - 52”/62” SHAFT

| ITEM | QTY | PART NUMBER | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | 2316217 | 24V MOTOR 52” FW |
| | 1 | 2316219 | 24V MOTOR US2 62” |
| | 1 | 2326241 | 24V MOTOR US2 52” |
| | 1 | 2326242 | 24V MOTOR US2 62” |
| 5 | 1 | 2-100-214 | ARMATURE ASSEMBLY |
| 10 | 1 | 140-010 | BEARING |
| 15 | 1 | 788-040 | RETAINING RING |
| 20 | | 2-200-160 | CENTER HOUSING ASSEMBLY |
| 25 | 1 | 2-300-160 | BRUSH END HOUSING ASSEMBLY |
| 30 | 1 | 421-276 | PLAIN END HOUSING ASSEMBLY STD |
| | 1 | 9421-289 | PLAIN END HOUSING US2 52” |
| | 1 | 9421-290 | PLAIN END HOUSING US2 62” |
| 35 | 1 | 144-017 | FLANGE BEARING |
| 40 | 2 | 880-025 | SEAL |
| 50 | 2 | 188-094 | BRUSH |
| 60 | 1 | 9-738-004 | BRUSH PLATE ASSEMBLY |
| 65 | 2 | 975-041 | BRUSH SPRING |
| 70 | 2 | 701-043 | O-RING, MOTOR |
| 80 | 2 | 701-009 | O-RING, THRU-BOLT |
| 85 | 2 | 830-027 | SCREW, 10-32 X 2 |
| 90 | 2 | 830-094 | THRU-BOLT |
| 95 | 2 | 990-051 | WASHER, STEEL |
| 100 | 2 | 990-052 | WASHER, NYLATRON |
| 110 | 2 | 973-025 | SPACER, BRUSH PLATE |
| 115 | 2 | 992-010 | WASHER, BELLEVILLE |
| 120 | 1 | 990-045 | SPACER, THRUST |
| 125 | 1 | 582-013 | CLIP, RETAINING, SHORT, US2 ONLY |
| 135 | 1 | 640-020 | LEADWIRE, BLACK |
| 136 | 1 | 640-125 | LEADWIRE, RED |
| 137 | 1 | 640-317 | GROUNDWIRE, BROWN, US2 ONLY |
| 200 | 1 | 2990140 | INDICATOR ASSEMBLY |
| 205 | 1 | 2282730 | SPRING, INDICATOR |
| 210 | 1 | 2285605 | DECAL, COVER 80#, FW |
| | 1 | 2285606 | DECAL, COVER 80# US2, FW |
| 212 | 2 | 2285616 | DECAL, CONTROL BOX, FW |
| 215 | 1 | 2280200 | COVER, CONTROL BOX |
| 220 | 1 | 2232360 | PULLEY, CABLE DRUM |
| 225 | 1 | 2261730 | WASHER, NYLON |
| 230 | 1 | 2267800 | GEAR, INDICATOR |
| 235 | 1 | 2996247 | TOP BEARING, PINION DRIVE |
| 240 | 1 | 2301310 | SCREW 8-18 X 1/2 |
| 245 | 1 | 2261905 | BRACKET, INDICATOR |
| 250 | 1 | 2262221 | INDICATOR, DRIVE |
| 255 | 2 | 2267800 | GEAR, INDICATOR |
| 260 | 4 | 2223430 | SCREW 8 X 3/4 |
| 265 | 1 | 2261901 | BRACKET, CONDUIT |
| 270 | 1 | 2282500 | CONTROL BOX |
| 274 | 1 | 2372100 | SCREW 8-18 X 5/8 |
| 275 | 2 | 2263201 | CLAMP, WIRE HARNESS |
| 280 | 3 | 2053414 | 8-32 X 1/2 TRI-LOBE |
| 285 | 4 | 2372100 | SCREW 8-18 X 2/8 |
| 290 | 1 | 2265110 | BOOT, CONTROL BOX |
| 295 | 3 | 2355410 | SHRINK TUBE 3/8 |
| 296 | 2 | 2335400 | SHRINK TUBE 1/2” OD X 2” |
| 297 | 1 | 2975400 | SHRINK TUBE 1/4” OD X 1 3/4” |
| 300 | 1 | 2264015 | LIGHT, INDICATOR |

| ITEM | QTY | PART NUMBER | DESCRIPTION |
|---|---|---|---|
| 305 | 1 | 2265430 | CABLE JACKET, 5’ |
| 310 | 1 | 2261220 | WIRE HARNESS, MAX |
| 315 | 1 | 2267505 | CABLE ASSEMBLY, RIGHT, 5’ |
| 320 | 1 | 2267515 | CABLE ASSEMBLY, LEFT, 5’ |
| 325 | 1 | 2211410 | CABLE EXTENSION, US2 175” |
| 330 | 1 | 2218200 | FUSE HOLDER ASSEMBLY US2 ONLY |
| 340 | 1 | 2993705 | PUSH BUTTON W/ MAGNET |
| 345 | 1 | 2260810 | CLIP, REED SENSOR |
| 350 | 1 | 2302732 | SPRING, PEDAL BUTTON |
| 355 | 1 | 2994496 | FOOT PEDAL W/ PLUG |
| 360 | 1 | 2263000 | E-RING, KNOB |
| 365 | 1 | 2280115 | KNOB, SPEED CONTROL VARS |
| 370 | 1 | 2263466 | SCREW 1/4-20 X 2 |
| 375 | 1 | 2263210 | BRACKET, CONDUIT ADJUSTMENT |
| 380 | 1 | 2263140 | NYLOCK KEEPER |
| 385 | 2 | 2372100 | SCREW 8-18 X 5/8 |
| 390 | 2 | 2261714 | WASHER, MAX FOOT PEDAL |
| 395 | 1 | 2265115 | BOOT, FOOT PEDAL |
| 400 | 1 | 2254031 | SWITCH, MOM/OFF/CON |
| 415 | 1 | 2332103 | SCREW 6-20 X 3/8 |
| 420 | 1 | 2260511 | PIN, PIVOT, FOOT PEDAL |
| 425 | 1 | 2266610 | DECAL, ON/OFF SWITCH |
| 430 | 1 | 2992104 | FOOT PEDAL BASE |
| 435 | 1 | 2262301 | PULLY, FOOT PEDAL |
| 440 | 1 | 2266401 | COVER, PULLEY |
| 445 | 2 | 2301310 | SCREW 8-18 X 1/2 |
| 450 | 1 | 2266413 | TENSION SCREW |
| 455 | 2 | 2332103 | SCREW 6-20 X 3/8 |
| 460 | 1 | 2266412 | SWITCH PLATE, FOOT PEDAL |
| 465 | 1 | 2264056 | CONTROL BOARD MAX 24/36 |
| 470 | 1 | 2264511 | BOTTOM PLATE, MAX |
| 475 | 5 | 2372100 | SCREW 8-18 X 5/8 |
| 480 | 2 | 2223455 | SCREW 10-32 X 1/2 ZP |
| 485 | 4 | 2265126 | BUMPER PAD, FOOT PEDAL |
| 490 | 4 | 2378600 | POP RIVET, 3/16 X 3/4 ALUM |
| ■ | 1 | 2991550 | CLAMP COLLAR ASSEMBLY |
| 500 | 1 | 2073102 | NUT, 1/4-28 SS |
| 510 | 1 | 2071550 | COLLAR CLAMP, “A” SIDE |
| 515 | 1 | 2072621 | PIN, KNURLED |
| 520 | 1 | 2071718 | WASHER #10 NYLON RETAINING |
| 525 | 1 | 2071555 | COLLAR CLAMP, “B” SIDE |
| 530 | 1 | 2281505 | KNOB - SOFT GRIP, FW |
| 535 | 1 | 2075120 | PAD, URETHANE, DEPTH COLLAR |
| 540 | 1 | 2263422 | SCREW 5/16-18 X 1 |
| 545 | 1 | 2281700 | WASHER 5/16 LOCK |
| ■ | 1 | 2991754 | BOW GUARD ASSEMBLY 45”, 52” |
| ■ | 1 | 2991755 | BOW GUARD ASSEMBLY 62” |
| 550 | 1 | 2281942 | BRACKET, TOP |
| 555 | 1 | 2280001 | BEARING, TOP BRACKET |
| 560 | 1 | 2071541 | SPRING SLEEVE, UPPER |
| 565 | 1 | 2282700 | SPRING, BOWGUARD |
| 570 | 1 | 2281525 | SPACER, SPRING 62” ONLY |
| 575 | 1 | 2281520 | SPRING SLEEVE, LOWER |
| 580 | 1 | 2991725 | BRACKET, BOTTOM |
| 585 | 3 | 2283413 | SCREW 3/16-16 SHCS |
| 586 | 2 | 2262632 | PIN, SPRING 1/4 X 5/8 |

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# PARTS LIST

## FORTREX 80

### 80 LBS THRUST - 24 VOLT - 52”/62” SHAFT

| ITEM | QTY | PART NUMBER | DESCRIPTION |
|---|---|---|---|
| 590 | 1 | 2266000 | BEARING, BALL, STEEL |
| 595 | 1 | 2266260 | BEARING RACE |
| 600 | 1 | 2992086 | TUBE W/ BEARING RACE 24” 52” |
| | 1 | 2992088 | TUBE W/ BEARING RACE 28 1/2” 62” |
| 605 | 1 | 2267307 | BUSHING OUTER TUBE |
| 610 | 1 | 2266116 | BEARING, CARTRIDGE |
| 615 | 1 | 2266001 | BEARING, SPLIT RING |
| 620 | 2 | 2261622 | COLLAR HALF |
| 625 | 2 | 2263453 | SCREW, 1/4-20 X 1 SHCS |
| 630 | 1 | 2071560 | COLLAR, TUBE |
| 635 | 4 | 2223468 | SCREW 8-32 X 7/16 FLT HD |
| 640 | 1 | 2032006 | TUBE 52” |
| | 1 | 2032007 | TUBE 62” |
| ■ | 1 | 2991747 | MOUNT, FORTREX, SHORT |
| 700 | 1 | 2280800 | LINK, BOWGUARD MOUNT, LEFT |
| 710 | 2 | 2287303 | BUSHING, UPPER PINS |
| 715 | 4 | 2283411 | SCREW, 1/4-20 X 1” FHS RIE TORX |
| 720 | 1 | 2880400 | PULL GRIP ASSEMBLY |
| 721 | 2 | 2261732 | WASHER |
| 725 | 1 | 2771601 | ROPE ASSEMBLY |
| 730 | 1 | 2281516 | SPACER, INNER ARM |
| 735 | 1 | 2281702 | WASHER, LOCK 1/4 |
| 737 | 1 | 2284212 | OUTER ARM |
| 740 | 1 | 2992322 | ROPE GUIDE ASSEMBLY |
| 745 | 1 | 2281530 | INSERT, THREADED |
| 750 | 1 | 2282608 | PIN, 7/16 X 5 5/32 |
| 751 | 1 | 2282602 | PIN, 3/8 X 3 3/4 |
| 752 | 2 | 2261505 | SPACER |
| 753 | 2 | 2263011 | E-RING, 3/8 SHAFT |
| 760 | 1 | 2223418 | SCREW, 1/4-20 X 1/2 BHCS |
| 765 | 1 | 2993821 | INNER ARM ASSEMBLY, SHORT |
| 770 | 1 | 2042711 | SPRING, TORSION |
| 775 | 1 | 2283620 | LATCH, SAFETY |
| 776 | 1 | 2282611 | PIN, SAFETY LATCH |
| 780 | 1 | 2281704 | WASHER 7/16 NYLON |
| 785 | 1 | 2280805 | LINK, BOWGUARD MOUNT, RIGHT |
| 790 | 2 | 2283410 | SCREW 1/4-20 X 1/2 PFH |
| 795 | 1 | 2288404 | GAS SPRING (CYLINDER) |
| 796 | 2 | 2281710 | SPACER, GAS SPRING |
| 800 | 1 | 2282610 | PIN, UPPER, SHOCK |
| 810 | 4 | 2280005 | BEARING, NYLINER 7/16” |
| 815 | 1 | 2282600 | PIN, 7/16 X 4 7/8 |
| 820 | 2 | 2281932 | BRACKET, REAR PIVOT |
| 825 | 1 | 2281501 | YOKE, SHOCK MOUNT |
| 830 | 1 | 2282606 | PIN, 7/16 X 4 1/2 |
| 835 | 2 | 2283402 | SCREW, SET, 6-32 X 1/4 |
| 845 | 1 | 2282604 | PIN, KNURLED 5/16 X 2 |
| 850 | 1 | 2283615 | LATCH BAR |
| 855 | 1 | 2283610 | BRACKET - LATCH/STRAP, ROPE PULL |
| 860 | 2 | 2287300 | BUSHING, REAR PIVOT |
| 865 | 1 | 2282602 | PIN, 3/8 X 3 3/4 |
| 870 | 2 | 2263011 | E-RING, 3/8 SHAFT |
| 871 | 2 | 2280008 | BEARING, IGLIDE |
| 875 | 2 | 2282720 | SPRING, EXTENSION |
| 880 | 1 | 2773601 | LATCH STRAP ASSEMBLY, SHORT |
| 885 | 2 | 2261732 | WASHER 8, NYLON |

| ITEM | QTY | PART NUMBER | DESCRIPTION |
|---|---|---|---|
| 890 | 2 | 2373450 | SCREW 8-18 X 3/8 |
| ■ | 1 | 2993915 | SIDEPLATE ASSEMBLY, LONG, LEFT, FW |
| 895 | 1 | 2288625 | SUPPORT, LEFT SIDEPLATE |
| 900 | 8 | 2283408 | SCREW 8 X 3/8 |
| 905 | 1 | 2283915 | SIDEPLATE, LONG, LEFT, FW |
| 910 | 2 | 2073408 | SCREW 1/4-20 X 7/8 |
| 915 | 2 | 2286700 | PLUG, SPACER |
| 920 | 1 | 2283900 | RAMP, MOTOR |
| ■ | 1 | 2993925 | SIDEPLATE ASSEMBLY, LONG, RIGHT, FW |
| 925 | 1 | 2288620 | SUPPORT, RIGHT SIDEPLATE |
| 930 | 1 | 2283925 | SIDEPLATE, SHORT, LONG, FW |
| 932 | 2 | 2285502 | DECAL, SIDEPLATE, FW |
| 935 | 1 | 2281912 | BASE EXTRUSION LONG |
| 940 | 6 | 2323405 | SCREW 1/4-20 X 1/2 |
| 950 | 1 | 2256300 | TIEWRAP |
| 955 | 1 | 2261238 | LEADWIRE |
| 975 | 1 | 2773806 | STRAP HOLD DOWN |
| 980 | 1 | 2991925 | BRACKET STABILIZER ASSEMBLY |
| | 1 | 2265100 | BUMPER (CRUTCH TIP) |
| | 1 | 2263624 | ANODIZED ALUMINUM 3/4” ROD, 22” |
| | 1 | 2263107 | HEX NUT 3/4-10 NYLON |
| | 1 | 2281929 | STABILIZER ARM BRACKET |
| | 1 | 2260221 | VINYL CAP |
| | 1 | 2223100 | NYLOCK STAINLESS STEEL NUT |
| | 1 | 2263422 | SCREW - 5/16-18 X 1” |
| ■ | | 1378132 | PROPELLER KIT WW2 |
| ■ | | 2994876 | PROPELLER BAG ASSY |
| 1000 | 1 | 2331160 | PROPELLER WW2 |
| 1010 | 1 | 2262658 | DRIVE PIN, LARGE |
| 1015 | 1 | 2091701 | WASHER, PROP, LARGE |
| 1020 | 1 | 2093101 | NUT, NYLOCK, PROP, LARGE |
| ■ | | 2994887 | MOUNTING HARDWARE BAG ASSY |
| ■ | | 2889460 | SEAL & ORING KIT |

■ THIS ITEM IS PART OF AN ASSEMBLY.

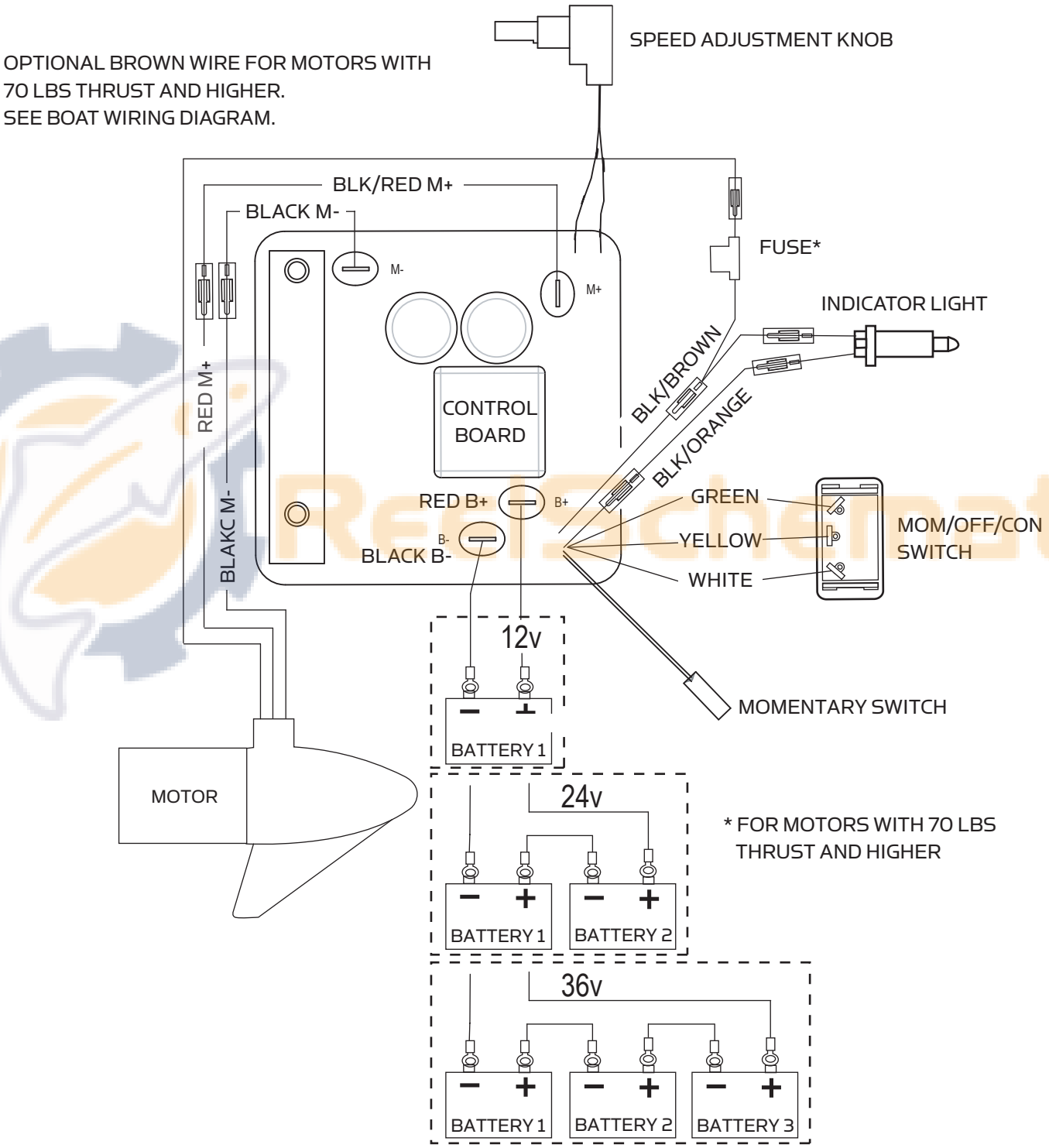
*THIS ITEM IS PART OF A KIT AND ONLY LISTED FOR VIEWING PURPOSES.

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# 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.

Fortrex 80 is 24-volts only!




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