

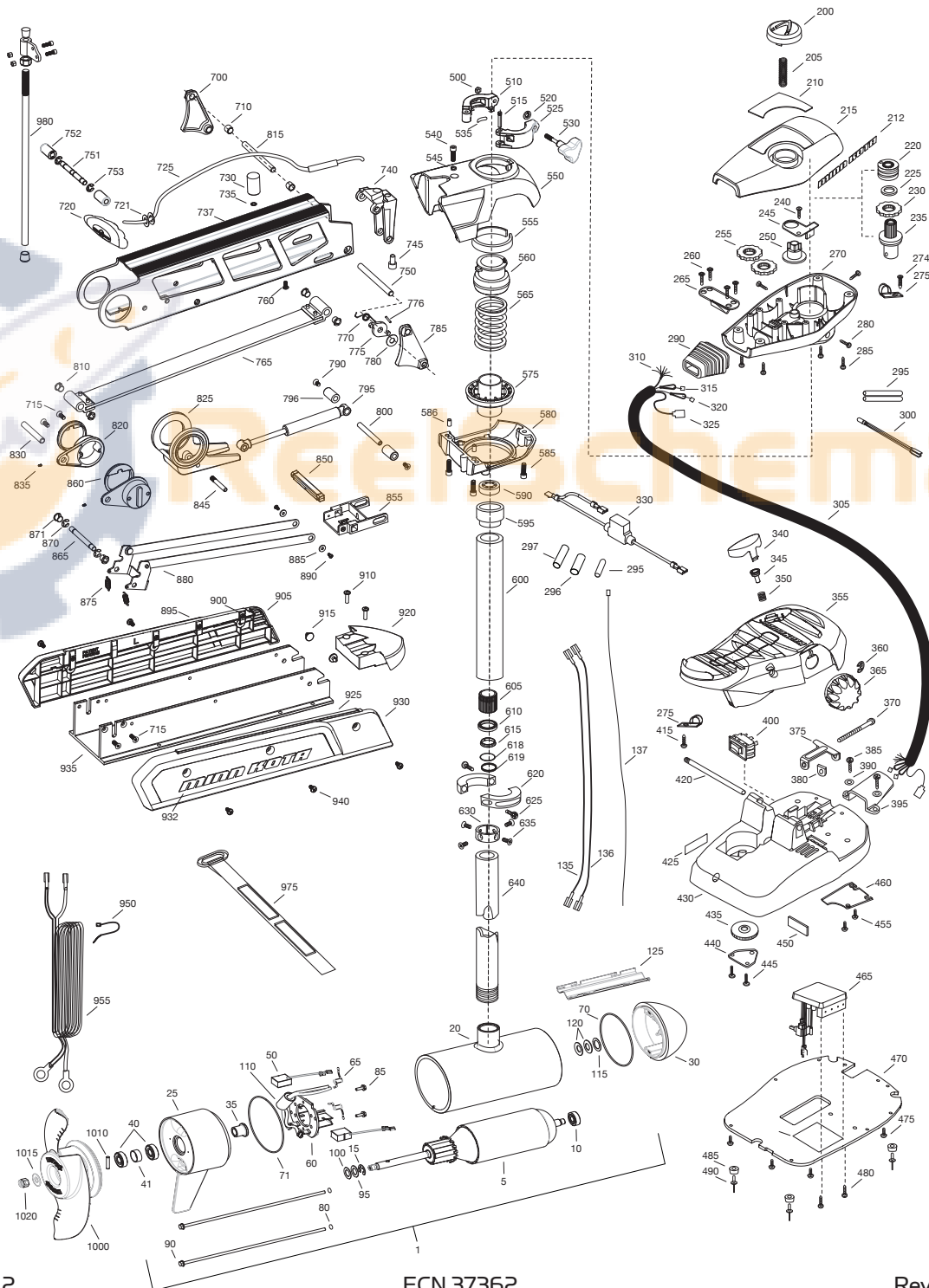
# PARTS DIAGRAM

## FORTREX 112

### 112 LBS THRUST - 36 VOLT - 52"/62" SHAFT

This page provides Minn Kota® WEEE compliance disassembly instructions. For more information about where you should dispose of your waste equipment for recycling and recovery and/or your European Union member state requirements, please contact your dealer or distributor from which your product was purchased.

Tools required, but not limited to: flat head screw driver, Phillips screw driver, socket set, pliers, wire cutters.



# PARTS LIST

## FORTREX 112

### 112 LBS THRUST - 36 VOLT - 52"/62" SHAFT

| ITEM | QTY | PART NUMBER | DESCRIPTION                    |
|------|-----|-------------|--------------------------------|
| 1    | 1   | 2317081     | 36V MOTOR 52" FW               |
|      | 1   | 2327081     | 36V MOTOR US2 52"              |
|      | 1   | 2327082     | 36V MOTOR US2 62"              |
| 5    | 1   | 2-100-245   | ARMATURE ASSEMBLY              |
| 10   | 1   | 140-014     | BEARING                        |
| 15   | 1   | 788-040     | RETAINING RING                 |
| 20   |     | 2-200-240   | CENTER HOUSING ASSEMBLY        |
| 25   | 1   | 2-300-150   | BRUSH END HOUSING ASSEMBLY     |
| 30   | 1   | 421-240     | PLAIN END HOUSING ASSEMBLY STD |
|      | 1   | 9421-245    | PLAIN END HOUSING US2 52"      |
|      | 1   | 9421-246    | PLAIN END HOUSING US2 62"      |
| 35   | 1   | 144-017     | FLANGE BEARING                 |
| 40   | 2   | 880-025     | SEAL                           |
| 41   | 1   | 725-095     | PAPER TUBE - SEAL BORE         |
| 50   | 2   | 188-095     | BRUSH                          |
| 60   | 1   | 9-738-011   | BRUSH PLATE ASSEMBLY           |
| 65   | 2   | 975-045     | BRUSH SPRING                   |
| ■    |     | 2881450     | SEAL & ORING KIT               |
| 70   | 1   | 701-098     | O-RING, PLAIN END              |
| 71   | 1   | 701-107     | O-RING, BRUSH END              |
| 80   | 2   | 701-009     | O-RING, THRU-BOLT              |
| 85   | 2   | 2053410     | SCREW, 10-32 X 1/2"            |
| 90   | 2   | 830-094     | THRU-BOLT 12-24                |
| 95   | 1   | 990-051     | WASHER, STEEL                  |
| 100  | 2   | 990-052     | WASHER, NYLATRON               |
| 110  | 1   | 2307312     | FERRITE BEAD                   |
| 115  | 1   | 990-011     | WASHER, SHIM                   |
| 120  | 2   | 992-011     | WASHER, BELLEVILLE             |
| 125  | 1   | 582-016     | CLIP, RETAINING                |
| 135  | 1   | 640-043     | LEADWIRE, BLACK 52"            |
|      | 1   | 640-047     | LEADWIRE, BLACK 62"            |
| 136  | 1   | 640-143     | LEADWIRE, RED 52"              |
|      | 1   | 640-147     | LEADWIRE, RED 62"              |
| 137  | 1   | 640-316     | LEADWIRE, BROWN 52"            |
|      | 1   | 640-317     | LEADWIRE, BROWN 62"            |
| 200  | 1   | 2990140     | INDICATOR ASSEMBLY             |
| 205  | 1   | 2282730     | SPRING, INDICATOR              |
| 210  | 1   | 2285611     | DECAL, COVER 112#, FW          |
|      | 1   | 2285612     | DECAL, COVER 112# 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     | 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               |

| ITEM | QTY | PART NUMBER | DESCRIPTION                        |
|------|-----|-------------|------------------------------------|
| 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   | 2375400     | SHRINK TUBE 1/4" OD X 1 3/4"       |
| 300  | 1   | 2264015     | LIGHT, INDICATOR                   |
| 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               |
| 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            |
|      | 1   | 2884019     | SWITCH-REED, MAGNETIC W/CONNECTORS |
| 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   | 2283414     | SCREW 5/16-18 SHCS, RIE            |
| 545  | 1   | 2281700     | WASHER 5/16 LOCK                   |
| ■    | 1   | 2991753     | BOW GUARD ASSEMBLY - 52"           |
| ■    | 1   | 2991752     | BOW GUARD ASSEMBLY - 62"           |
| 550  | 1   | 2281952     | BRACKET, TOP - 52"                 |
|      | 1   | 2281962     | BRACKET, TOP - 62"                 |

# PARTS LIST

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| ITEM | QTY | PART NUMBER | DESCRIPTION                       |
|------|-----|-------------|-----------------------------------|
| 555  | 1   | 2280001     | BEARING, TOP BRACKET              |
| 560  | 1   | 2071541     | SPRING SLEEVE, UPPER              |
| 565  | 1   | 2282704     | SPRING, BOWGUARD 112              |
| 575  | 1   | 2281540     | SPRING SLEEVE, LOWER - 52"        |
|      | 1   | 2281545     | SPRING SLEEVE, LOWER - 62"        |
| 580  | 1   | 2991730     | BRACKET, BOTTOM - 52"             |
|      |     | 2991731     | BRACKET, BOTTOM - 62"             |
| 585  | 3   | 2283413     | SCREW 3/8-16 X 1 SHCS, RIE        |
| 586  | 2   | 2282612     | PIN, SPRING 5/16" SS              |
| 590  | 1   | 2266000     | BEARING, BALL, STEEL              |
| 595  | 1   | 2266260     | BEARING RACE                      |
| 600  | 1   | 2992092     | TUBE W/ BEARING RACE - 52"        |
|      | 1   | 2992094     | TUBE W/ BEARING RACE - 62"        |
| 605  | 1   | 2267307     | BUSHING OUTER TUBE                |
| 610  | 1   | 2266116     | BEARING, CARTRIDGE                |
| 615  | 1   | 2266001     | BEARING, SPLIT RING               |
| 618  | 1   | 2284600     | O-RING                            |
| 619  | 1   | 2281706     | WASHER-NYLATRON                   |
| 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   | 2991748     | MOUNT, FORTREX, LONG - 52"        |
|      | 1   | 2991737     | MOUNT, FORTREX, LONG - 62"        |
| 700  | 1   | 2280800     | LINK, BOWGUARD MOUNT, LEFT - 52"  |
|      | 1   | 2990810     | END LINK ASM, LEFT - 62"          |
| 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, LONG                   |
| 740  | 1   | 2992322     | ROPE GUIDE ASSEMBLY               |
| 745  | 1   | 2281530     | INSERT, THREADED                  |
| 750  | 1   | 2282608     | PIN, 7/16 X 5 5/32 - 52"          |
|      | 1   | 2282613     | PIN, BOWGUARD, LOWER - 62"        |
| 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, LONG          |
| 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 - 52" |
|      | 1   | 2990815     | END LINK ASM, RIGHT - 62"         |
| 790  | 2   | 2283410     | SCREW 1/4-20 X 1/2 PFH            |
| 795  | 1   | 2288405     | GAS SPRING (CYLINDER)             |
| 796  | 2   | 2281710     | SPACER, GAS SPRING                |
| 800  | 1   | 2282610     | PIN, UPPER, SHOCK                 |
| 810  | 4   | 2280005     | BEARING, NYLINER 7/16"            |

| ITEM | QTY | PART NUMBER | DESCRIPTION                         |
|------|-----|-------------|-------------------------------------|
| 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 - 52"                     |
|      |     | 2283616     | LATCH BAR, STAINLESS STEEL - 62"    |
| 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, LONG          |
| 885  | 2   | 2261732     | WASHER 8, NYLON                     |
| 890  | 2   | 2373450     | SCREW 8-18 X 3/8                    |
| ■    |     | 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                         |
| ■    |     | 2993925     | SIDEPLATE ASSEMBLY, LONG, RIGHT, FW |
| 925  | 1   | 2288620     | SUPPORT, RIGHT SIDEPLATE            |
| 930  | 1   | 2283925     | SIDEPLATE, LONG, RIGHT, 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"                |
| ■    |     | 1378160     | PROPELLER KIT WW2 [1000-1020]       |
| ■    |     | 2994876     | PROPELLER BAG ASSY [1010-1020]      |
| 1000 | 1   | 2341160     | 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          |

■ THIS ITEM IS PART OF AN ASSEMBLY.

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