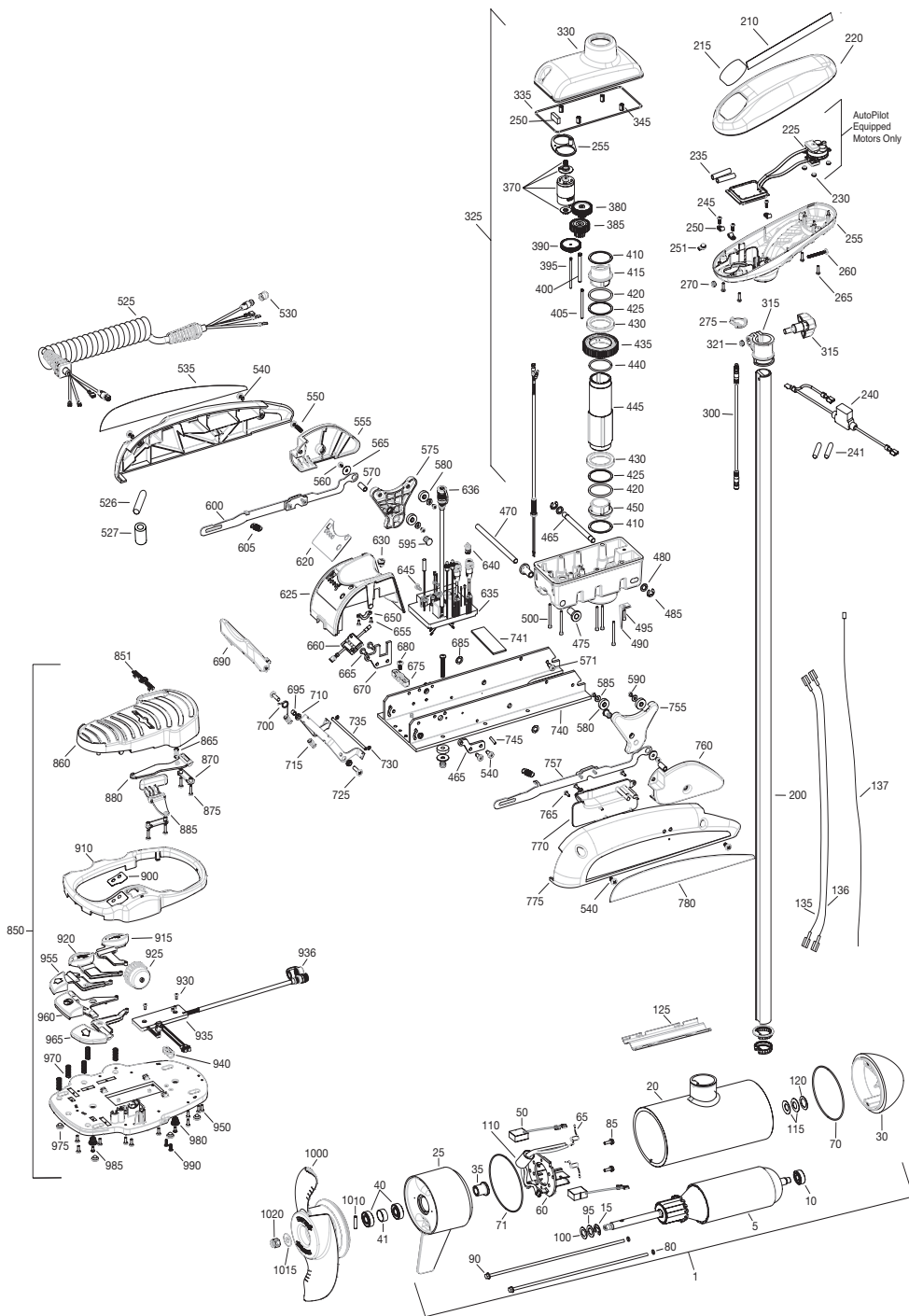


**TERROVA 112**  
**112 LBS THRUST**  
**36 VOLT / 52 AMP**  
**54" OR 60" SHAFT**

for use with "0" serial numbers  
2-year warranty

## PARTS DIAGRAM



| Item | P/N       | Description                           | Qty | Item | P/N     | Description                              | Qty |
|------|-----------|---------------------------------------|-----|------|---------|------------------------------------------|-----|
| 1    | 2777081   | 36V Motor US2 60"/tube assy           | 1   | 275  | 2224700 | Plug, ctrl box US2                       | 1   |
|      | 2777080   | 36V Motor US2 54"/tube assy.          | 1   | 300  | 2211415 | Universal sonar 2 extension cable        | 1   |
| 5    | 2-100-245 | Armature assembly                     | 1   | 305  | 2771500 | Depth collar assembly [includes 315-321] | 1   |
| 10   | 140-014   | Bearing                               | 1   | 315  | 2260906 | Knob [included in 305]                   | 1   |
| 15   | 788-040   | Retaining ring                        | 1   | 320  | 2321706 | Washer [included in 305]                 | 1   |
| 20   |           | Center hsg. w/tube [included in 200]  | 1   | 321  | 2323102 | Nut [included in 305]                    | 1   |
| 25   | 2-300-150 | Brush end housing assembly            | 1   |      |         |                                          |     |
| 30   | 9421-245  | Plain end housing US2 - 54"           | 1   | 325  | 2997025 | Steering housing [includes 330-500]      | 1   |
|      | 9421-246  | Plain end housing US2 - 60"           | 1   | 330  | 2326501 | Steering housing top                     | 1   |
| 35   | 144-017   | Flange bearing                        | 1   | 335  | 2324604 | O-ring, case seal                        | 1   |
| 40   | 880-025   | Seal                                  | 2   | 345  | 2305605 | Roll pin 5/16                            | 4   |
| 41   | 725-095   | Paper tube - seal bore                | 1   | 350  | 2308601 | Breather, filter                         | 1   |
| 50   | 188-095   | Brush                                 | 2   | 355  | 2328610 | Cradle, motor                            | 1   |
| 60   | 9-738-011 | Brush plate assembly                  | 1   | 370  | 2777025 | Motor, steering assembly                 | 1   |
| 65   | 975-045   | Brush spring                          | 2   | 380  | 2302255 | Gear, cluster 3rd stage                  | 1   |
| ■    | 2881450   | Seal & Oring Kit [includes 40, 70-80] |     | 385  | 2302250 | Gear, cluster 2nd stage                  | 1   |
| 70   | 701-098   | O-ring, motor plain end               | 1   | 390  | 2302245 | Gear, cluster 1st stage                  | 1   |
| 71   | 701-046   | O-ring, motor brush end               | 1   | 395  | 2302610 | Shaft, gear 1st stage                    | 1   |
| 80   | 701-009   | O-ring, thru-bolt                     | 2   | 400  | 2302620 | Shaft, gear 3rd stage                    | 1   |
| 85   | 2053410   | Screw, 10-32 x 1/2                    | 2   | 405  | 2302615 | Shaft, gear 2nd stage                    | 1   |
| 90   | 830-094   | Thru-bolt 12-24                       | 2   | 410  | 2321704 | Washer, thrust                           | 2   |
| 95   | 990-051   | Washer, steel                         | 1   | 415  | 2321515 | Liner, output tube                       | 1   |
| 100  | 990-052   | Washer, nylontron                     | 2   | 420  | 2324608 | O-ring, 224                              | 2   |
| 110  | 2777312   | Ferrite bead w/ shrink                | 1   | 425  | 2321720 | Shim, O-ring                             | 2   |
| 115  | 992-011   | Washer, belleville                    | 2   | 430  | 2327308 | Bearing, ball sealed                     | 2   |
| 120  | 990-011   | Washer, shim                          | 1   | 435  | 2322200 | Gear, output                             | 1   |
| 125  | 582-016   | Clip, retaining, long                 | 1   | 440  | 2324601 | O-ring, output gear                      | 1   |
| 135  | 640-044   | Leadwire, black 60"                   | 1   | 445  | 2322030 | Tube, output machined                    | 1   |
|      | 640-042   | Leadwire, black 54"                   | 1   | 450  | 2321510 | Collar, drive, bottom                    | 1   |
| 136  | 640-144   | Leadwire, red 60"                     | 1   | 455  | 2326506 | Steering housing, Bottom                 | 1   |
|      | 640-142   | Leadwire, red 54"                     | 1   | 465  | 2322600 | Pin, latch, zp                           | 1   |
| 137  | 640-316   | Groundwire, brown 60"                 | 1   | 470  | 2322602 | Pin, pivot, zp                           | 1   |
|      | 640-315   | Groundwire, brown 54"                 | 1   | 475  | 2327310 | Bushing, pivot pin                       | 2   |
|      |           |                                       |     | 480  | 2321702 | Washer, flat .375                        | 2   |
| 200  | 2777245   | Tube, composite 60" FW [includes 20]  | 1   | 485  | 2263011 | E-ring .375                              | 2   |
|      |           |                                       |     | 490  | 2322702 | Spring, latch pin                        | 2   |
| 210  | 2325665   | Decal, cover                          | 2   | 495  | 2323410 | Screw, 8-32 x .75                        | 1   |
| 215  | 2325691   | Decal, ctrl box 101 US2               | 1   | 500  | 2323408 | Screw, 8-32 x 2                          | 7   |
|      | 2325689   | Decal, ctrl box 101 Autopilot & US2   | 1   |      |         |                                          |     |
| 220  | 2320200   | Cover, ctrl box                       | 1   | 510  | 2090651 | Leawire, 10 ga                           | 1   |
| 225  | 2324032   | Ctrl board, compass, Autopilot only   | 1   | 525  | 2991271 | Coil cord, 54" / 60"                     | 1   |
| 230  | 2302960   | Grommet, compass, Autopilot only      | 3   |      | 2991272 | Coil cord, US2, 54" / 60"                | 1   |
| 235  | 2065400   | Wire insulator                        | 2   | 526  | 2325401 | Shrink Tube 3/4" ID x 2" w/adhs          | 1   |
| 240  | 2218200   | Fuse holder                           | 1   | 527  | 2307313 | Bead-Ferrite                             | 1   |
| 241  | 2375400   | Shrink Tube 1/4" OD x 1 3/4"          | 2   | 528  | 2320710 | Terminal-Amp (T-Tab)                     | 1   |
|      |           |                                       |     | 530  | 2320202 | Cap, dust, coil cord, non-AP only        | 1   |
| 245  | 2372100   | Screw, 8-18 x .625                    | 3   | 535  | 2325641 | Decal, sideplate, left                   | 1   |
| 250  | 2052510   | Cable clamp                           | 3   | 540  | 2323404 | Screw, 1/4-20                            | 4   |
| 255  | 2322500   | Ctrl box                              | 1   | 545  | 2321915 | Sideplate, left                          | 1   |
| 260  | 2332102   | Screw, 10-24                          | 1   | 550  | 2323403 | Screw, 1/4-20 x .375                     | 2   |
| 265  | 2372100   | Screw, 8-18 x .625                    | 4   | 555  | 2321927 | Skid, left                               | 1   |
| 270  | 2333101   | Nut, 10-24                            | 1   | 560  | 2323422 | Screw, 10-24 x .375                      | 2   |

\* This item is part of an assembly. This item cannot be sold separately due to machining and /or assembly that is required.

| Item | P/N     | Description                     | Qty | Item | P/N     | Description                    | Qty |
|------|---------|---------------------------------|-----|------|---------|--------------------------------|-----|
| 565  | 2321700 | Washer, #10 SS                  | 2   | 875  | 2223430 | Screw, 8 x .75                 | 4   |
| 570  | 2322920 | Stand-off, aluminum plain       | 2   | 880  | 2328600 | Flex finger                    | 1   |
| 571  | 2323405 | Screw, 1/4-20 x 1/2" MCH SS     | 2   | 885  | 2323710 | Button, momentary, left        | 1   |
| 575  | 2323907 | Ramp, 4-1/2" left               | 1   | 900  | 2325660 | Decal, foot pedal              | 1   |
| 580  | 2325115 | Pad, rubber rest                | 4   | 910  | 2320205 | Cover, heel-toe                | 1   |
| 585  | 2321706 | Washer, #8                      | 4   | 915  | 2323725 | Button, AP                     | 1   |
| 590  | 2323412 | Screw, 8-18 x .25               | 4   | 920  | 2323715 | Button, Mom/Con                | 1   |
| 595  | 2324705 | Insert, ramp                    | 2   | 925  | 2320100 | Knob, speed, foot pedal        | 1   |
| 600  | 2994202 | Arm, release, left              | 1   | 930  | 2332103 | Screw, 6-20 x .375             | 2   |
| 605  | 2322710 | Spring, extension               | 2   | 935  | 2324021 | Control board, foot pedal      | 1   |
| ■    | 2770250 | Cover, speed control with decal | 1   | 936  | 2320207 | Dust cap                       | 1   |
| 620  | 2325650 | Decal, speed control            | 1   | 940  | 2322900 | Strain relief, foot pedal      | 1   |
| 625  | 2320210 | Cover, speed control            | 1   | 945  | 2324500 | Base plate, foot pedal         | 1   |
| 630  | 2322901 | Strain relief                   | 1   | 950  | 2301310 | Screw, #8 x .5                 | 10  |
| 635  | 2324017 | Control board, 24-36v           | 1   | 955  | 2323700 | Button, steer, left            | 1   |
| ■    | 2884050 | Switch-reed repair kit          |     | 960  | 2323705 | Button, momentary              | 1   |
| 636  | 2320208 | Dust plug                       | 1   | 965  | 2323701 | Button, steer, right           | 1   |
| 640  | 2320203 | Cap, dust, control board        | 1   | 970  | 2322704 | Spring, foot pedal             | 5   |
| 645  | 2323406 | Screw, 10-24 x .50              | 2   | 975  | 2994859 | Bumper, bag assy               | 1   |
| 650  | 2321315 | Holder, connector               | 1   | 980  | 2322706 | Spring, barrel                 | 2   |
| 655  | 2332103 | Screw, 6-20 x .375              | 2   | 985  | 2323420 | Screw, 8-18 x .375             | 2   |
| 660  | 2074072 | Battery meter, 36v              | 1   | 990  | 2372100 | Screw, 8-18 x .625             | 2   |
| 665  | 2323402 | Screw, 1/4-20 x .375            | 4   | ■    | 1378160 | Propeller kit WW2 [1000-1020]  |     |
| 670  | 2321940 | Bracket, strain relief          | 1   | ■    | 2994876 | Propeller bag assy [1010-1020] |     |
| 675  | 2321310 | Strain relief, wire             | 1   | 1000 | 2341160 | Propeller WW2                  | 1   |
| 680  | 2323405 | Screw, 1/4-20 x .5              | 1   | 1010 | 2262658 | Drive pin, large               | 1   |
| 685  | 2013100 | Speed nut, .375                 | 2   | 1015 | 2091701 | Washer, prop, large            | 1   |
| 690  | 2320215 | Handle, release cover           | 1   | 1020 | 2093101 | Nut, nylock, prop, large       | 1   |
| 695  | 2301700 | Bushing,                        | 1   | ■    | 2994864 | Mounting hardware bag assy     |     |
| 700  | 2322701 | Spring, release handle          | 1   |      |         |                                |     |
| 710  | 2320400 | Handle, release FW              | 1   |      |         |                                |     |
| 715  | 2322712 | Spring, release handle          | 2   |      |         |                                |     |
| 720  | 2322604 | Bushing, handle                 | 2   |      |         |                                |     |
| 725  | 2332104 | Screw, 1/4-20 x .625            | 2   |      |         |                                |     |
| 730  | 2323000 | E-clip, 3/16, SS                | 2   |      |         |                                |     |
| 735  | 2322606 | Pin, follower, handle           | 1   |      |         |                                |     |
| 740  | 2321905 | Base extrusion, machined        | 1   |      |         |                                |     |
| 741  | 2321721 | Shim, 2 x 4 x .025"             | 1   |      |         |                                |     |
| 745  | 2322912 | Spring pin,                     | 2   |      |         |                                |     |
| 750  | 2321950 | Bracket, sideplate              | 1   |      |         |                                |     |
| 755  | 2323902 | Ramp, 4-1/2" right              | 1   |      |         |                                |     |
| 757  | 2994204 | Arm, release, Right             | 1   |      |         |                                |     |
| 760  | 2321922 | Skid, right                     | 1   |      |         |                                |     |
| 765  | 2301310 | Screw, 8-18 x .5                | 3   |      |         |                                |     |
| 770  | 2320220 | Cover, access, FW               | 1   |      |         |                                |     |
| 775  | 2321910 | Sideplate, right                | 1   |      |         |                                |     |
| 780  | 2325640 | Decal, sideplate, right         | 1   |      |         |                                |     |
| 850  | 2994720 | Foot pedal [includes 815-990]   | 1   |      |         |                                |     |
| 851  | 2326710 | Plug, foot pedal                | 1   |      |         |                                |     |
| 860  | 2324400 | Pedal, heel-toe                 | 1   |      |         |                                |     |
| 865  | 2322714 | Spring, momentary               | 1   |      |         |                                |     |
| 870  | 2321300 | Clamp                           | 2   |      |         |                                |     |

Terrova 112 is 36-volt only!

**THIS IS A UNIVERSAL MULTI-VOLTAGE DIAGRAM. DOUBLE CHECK YOUR MOTORS VOLTAGE FOR PROPER CONNECTIONS**

