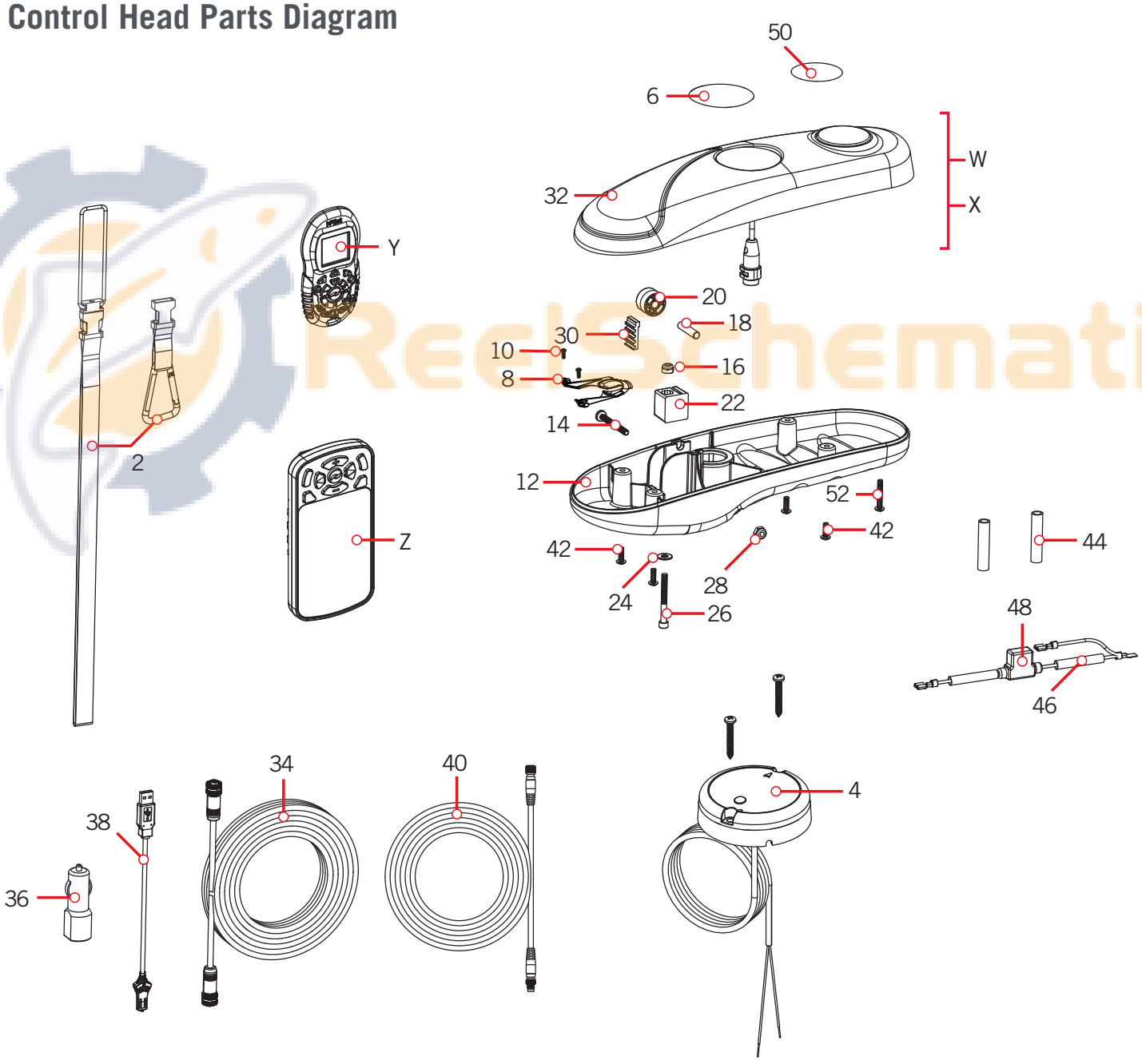
PARTS DIAGRAM & PARTS LIST

ULTERRA - 80/112 LBS THRUST - 24/36 VOLT - 45"/60"/72" SHAFT

The parts diagram and parts list 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 screwdriver, Phillips screwdriver, socket set, pliers, wire cutters.

ULTERRA CONTROL HEAD

Control Head Parts Diagram



ReelSchematic

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Control Head Parts List

Assembly	Part #	Description	Quantity
W	2774119 ♦	MOTOR KIT, iPILOT CONTROLLER 1.6 ULT *i-PILOT RECEIVER*	1
X	2774117 ⬣	MOTOR KIT, iPLINK CONTROLLER 3.0 ULT *i-PILOT LINK RECEIVER*	1
Y	2994075 ♦	REMOTE ASSY, IPILOT 1.6	1
Z	2994076 ⬣	REMOTE ASSY, IPILOT LINK	1
Item	**Part #**	**Description**	**Quantity**
2	2370817 ♦ ⬣	LANYARD w/CARABINEER,IP REMOTE	1
4	2996400 ♦ ⬣	HEADING SENSOR ASSEMBLY	1
6	2205534	DECAL-GENERIC, PUSH BTN TOP FW	1
	2205530	DECAL, PUSH BTN TOP, ULT 112 FW *112LB THRUST*	1
	2205532	DECAL, PUSH BTN TOP, ULT 80 FW *80LB THRUST*	1
8	2224706	INSERT-PLUG	1
10	2372103	SCREW. $6 x 3/8 PLASTITE	2
12	2202506	CONTROL BOX BOTTOM, FW	1
14	2383407	SCREW-#10-24 X 2" PPH ZINC	1
16	2333101	NUT-HEX #10-24 UNC-2B NYL SS	1
18	2202635	PIN-DOWEL, 1/4" OD SS	1
20	2202335	PULLEY, BELT, TOP	1
22	2202800	BLOCK, BELT	1
24	2201721	WASHER-#10 SAE, SS	1
26	2203411	SCREW-#10-24,SHCS,SS, RIE 4606	1
28	2333101	NUT-HEX #10-24 UNC-2B NYL SS	1
30	2200800	BELT-RACK	1
32	2200208	CONTROL BOX COVER, FW	1
34	490389-1 ⬣	CABLE, ETH (M12-M-M12-F, 30' *LINK*	1
36	2395900 ⬣	ADAPTER, USB POWER PORT, HO, DC	1
38	2373241 ⬣	CABLE, USB REMOTE CHARGER LINK	1
40	2211415 ✚	CABLE-EXTENSION, PD/AP 110" *US2*	1
	490507-1 ➔	CABLE, ADP-INT MDI 14 M12-120" *MDI*	1
42	2372100	SCREW-#8-18 X 5/8 THD* (SS	4
44	2065400	WIRE INSULATOR-LGE 1-3/4,BLUE	2
46	2375400	SHRINK TUBE-1/4OD X 1-3/4	2
48	2218200	FUSE HOLDER ASSEMBLY	1
50	2395545 ♦	DECAL, DOMED IPILOT FW	1
	2395547 ⬣	DECAL, DOMED IPILOT LINK FW	1
52	2203403	SCREW-#6 X 1.0 BRASS HI-LO	1

▲ Not shown on Parts Diagram.
✖ This part is included in an assembly and cannot be ordered individually.
♦ Only available with models factory installed with i-Pilot.
⬣ Only available with models factory installed with i-Pilot Link.
✚ Only available with models factory installed with Universal Sonar.
➔ Only available with models factory installed with Built-in MEGA Down Imaging.

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Item	Part #	Description	Quantity
▲	2256300	TIE WRAP-5.5" BLACK	2
▲	2297165	MANUAL - DISCLAIMER, DOWNLOAD INFO	1
▲	2207111	MANUAL ULTERRA BT	1
▲	2397100	MANUAL, iPILOT 1.6	1
▲	2397106	GUIDE-QUICK REF, iPILOT 1.6	1
▲	2397102	MANUAL, iPILOT LINK 3.0	1
▲	2397107	GUIDE-QUICK REF, iPILOT 3.0	1
▲	2207113	MANUAL,INSTALL GUIDE, ULT.	1

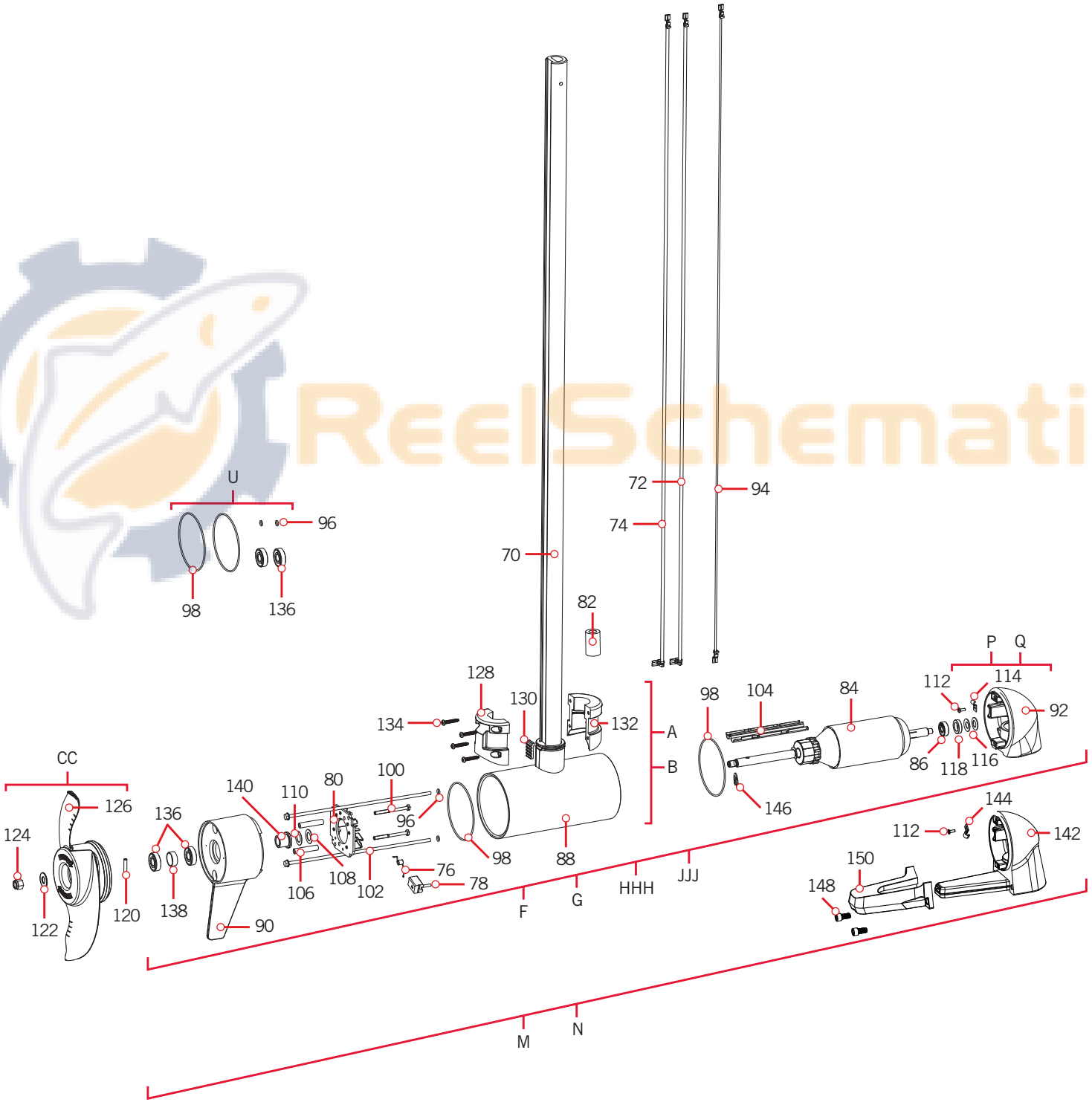
ReelSchematic

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⬣ Only available with models factory installed with i-Pilot Link.
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➔ Only available with models factory installed with Built-in MEGA Down Imaging.

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ULTERRA 24 VOLT 4” MOTOR

24 Volt 4” Motor Parts Diagram



ReelSchematic

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24 Volt 4” Motor Parts List

Assembly	Part #	Description	Quantity
A	2777098	CTR HSG ASY, CB, 80#, FW, 45" TUBE *TUBE* *NOT FOR MDI MODELS*	1
B	2777099	CTR HSG ASY, CB, 80#, FW, 60" TUBE *TUBE* *NOT FOR MDI MODELS*	1
F	2777016 ✚	MTR/TUBE ASSY 80# 45" US2 *MOTOR & TUBE*	1
G	2777015 ✚	MTR/TUBE ASSY 80# 60" US2 *MOTOR & TUBE*	1
CC	1378132	80# THRUST PROP KIT	1
P	9421-287 ✚	PLN END HSG/TRANSDUCER ASY 4.0 *80LB THRUST* *45*	1
Q	9421-290 ✚	PLN END HSG/TRANSDUCER ASY 4.0 *80LB THRUST* *60*	1
U	2889460	SEAL & O-RING KIT *80LB THRUST*	1
M	2777136 ➔	MTR/TUBE ASM 80# 60" ULT/MDI BT *MOTOR & TUBE*	1
N	2777137 ➔	MTR/TUBE ASM 80# 45" ULT/MDI BT *MOTOR & TUBE*	1
HHH	2777008 ✚	MTR/TUBE 80# 45" ULT/US2-M *MOTOR & TUBE* *M SKU* *A SKU*	1
JJJ	2777009 ✚	MTR/TUBE 80# 60" ULT/US2-M *MOTOR & TUBE* *M SKU* *A SKU*	1
Item	**Part #**	**Description**	**Quantity**
70	✖	TUBE-COMP,BLK,60", w/1/4" WALL n *SEE B, JJJ OR G*	1
	✖	TUBE-CMP,BLK,60",1/4"WALL *60in* *A SKU* *SEE G, JJJ OR M*	1
	✖	TUBE-COMP,BLK,45", w/1/4" WALL *SEE A, F, HHH OR N*	1
	✖	TUBE-CMP,BLK,45",1/4"WALL *SEE A, F, HHH OR N*	1
	✖	TUBE-CMP, BLK, 45", 1/4", DI BORED *SEE N*	1
	✖	TUBE-CMP, BLK, 60", 1/4", DI BORED *SEE M*	1
▲	✖	SEAL,BUNG UPPER,FW	1
▲	✖	SEAL,BUNG LOWER	1
72	640-022	LEADWIRE BLK 10 AWG 72.5 XLP *4* *80LB THRUST* *60*	1
	640-016	LEADWIRE BLK 10AWG 56 1/2 XLP *4* *80LB THRUST* *45*	1
74	640-126	LEADWIRE RED 10AWG 71" XLP *4* *80LB THRUST* *60*	1
	640-118	LEADWIRE RED 10 AWG 56 XLP *4* *80LB THRUST* *45*	1
▲	✖	BRUSH HOLDER *4* *80LB THRUST*	2
76	975-041	SPRING - TORSION *4* *80LB THRUST*	2
78	188-094	BRUSH W/TERMINAL *4* *80LB THRUST*	2
80	9-738-015	BRUSH PLATE-4" terminal *4* *80LB THRUST*	1
82	✖	BEAD-FERRITE *A SKU* *M SKU*	1
▲	✖	RIVET-.25" *4* *80LB THRUST*	6
▲	2260730	CONNECTOR 1/4 MALE TAB QD *4* *80LB THRUST*	2
84	2-100-214	ARM ASSY 24V 4" 80# (WW2) *4* *80LB THRUST*	1
86	140-010	BEARING - BALL *4* *80LB THRUST*	1
88	✖	CTR HSG ASY 4.0 FW -MGNTZ *4* *80LB THRUST* *ASSEMBLY A OR B*	1
90	2-300-170	BRUSH END HSG ASY 4.0 FW *4* *80LB THRUST*	1

▲ Not shown on Parts Diagram.
✖ This part is included in an assembly and cannot be ordered individually.
♦ Only available with models factory installed with i-Pilot.
⬣ Only available with models factory installed with i-Pilot Link.
✚ Only available with models factory installed with Universal Sonar.
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PARTS DIAGRAM & PARTS LIST

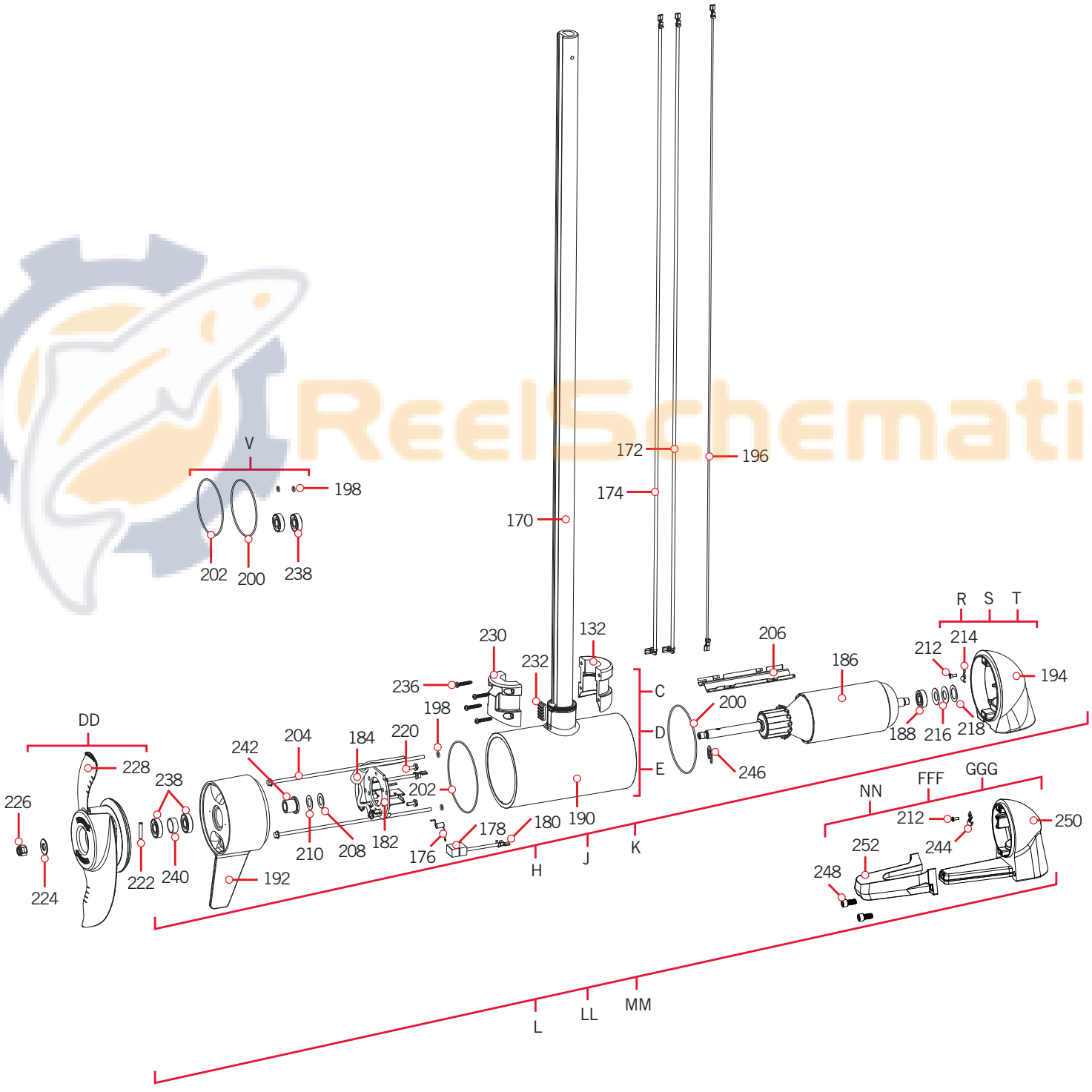
Item	Part #	Description	Quantity
92	✖ ✚	PLAIN END HSG-PNTD-4"US2.5 CB *4* *80LB THRUST* *ASSEMBLY P OR Q*	1
94	640-316	BONDING WIRE BROWN 18 AWG 71" GPT *4* *80LB THRUST* *60*	1
	640-315	BONDING WIRE BROWN 18 AWG 62" GPT *4* *80LB THRUST* *45*	1
96	701-009	O-RING *THRU BOLT* *80LB THRUST* *112LB THRUST* *4* *4.5*	2
98	701-043	O-RING *4* *80LB THRUST*	2
100	830-027	SCREW - SELF-THREAD 10-32X2.25 *4* *80LB THRUST*	2
102	830-095	THRU BOLT 12-24 x 9.79 *4* *80LB THRUST*	2
104	582-013	CLIP, RETAINING SHORT *4* *80LB THRUST*	1
106	973-025	SPACER - BRUSHPLATE *4* *80LB THRUST*	2
108	990-051	WASHER - STEEL THRUST	1
110	990-052	WASHER - NYLATRON	1
112	2302104	SCREW-#6-20 X 3/8 THD CUTS,RIE	1
114	230-038 ✚	CABLE CLAMP *US2*	1
116	992-010	WASHER - BELLEVILLE	2
118	990-045	SPACER - THRUST	1
120	2262658	PIN-DRIVE 1" X 3/16" S/S	1
122	2091701	WASHER-PROP (LARGE) MAX101	1
124	2093101	NUT-PROP,NYLOC,LG,MX101 3/8 SS	1
126	2331160	PROP-WW2 (4") w/ADP.RING	1
128	2201505	COLLAR, BELT CLAMP	1
130	2200800	BELT-RACK, LOWER	1
132	2201500	COLLAR, CLAMP	1
134	3393480	SCREW-#10 X 1.0" PPH HI-LO SS	4
136	888-025	SEAL	2
138	725-095	PAPER TUBE	1
140	144-017	BEARING	1
142	✖ ➔	PLAIN END HOUSING PAINTED 4.0 DI	1
144	230-039 ➔	CABLE CLAMP *MDI*	1
146	788-040	RETAINING RING	1
148	830-110 ➔	SCREW 5-16 - 18 X 5/8 SHCS SS	2
150	792-001 ➔	GUARD TRANSDUCER, PNT 4.0 DI	1

▲ Not shown on Parts Diagram.
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♦ Only available with models factory installed with i-Pilot.
⬣ Only available with models factory installed with i-Pilot Link.
✚ Only available with models factory installed with Universal Sonar.
➔ Only available with models factory installed with Built-in MEGA Down Imaging.

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ULTERRA 36 VOLT 4.5” MOTOR

36 Volt 4.5” Motor Parts Diagram



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36 Volt 4.5” Motor Parts List

Assembly	Part #	Description	Quantity
C	2777248	CTR HSG ASY, CB, 112#, FW, 45" TUBE *TUBE*	1
D	2777249	CTR HSG ASY, CB, 112#, FW, 60" TUBE *TUBE*	1
E	2777250	CTR HSG ASY, CB, 112#, FW, 72" TUBE *TUBE*	1
H	2777086 ✚	MTR/TUBE ASSY 112# 45" US2 *MOTOR & TUBE*	1
J	2777085 ✚	MTR/TUBE ASSY 112# 60" US2 *MOTOR & TUBE*	1
K	2777087 ✚	MTR/TUBE ASSY 112# 72" US2 *MOTOR & TUBE*	1
DD	1378160	112# THRUST PROP KIT	1
R	9421-244 ✚	PLN END HSG/TRANSDUCER ASY 4.5 *112LB THRUST* *45*	1
S	9421-246 ✚	PLN END HSG/TRANSDUCER ASY 4.5 *112LB THRUST* *60*	1
T	9421-247 ✚	PLN END HSG/TRANSDUCER ASY 4.5 *112LB THRUST* *72*	1
V	2881450	SEAL & O-RING KIT 112 *112LB THRUST*	1
L	2777157 ➔	MTR/TUBE ASM 112#45"ULT/MDI BT *MOTOR & TUBE*	1
LL	2777155 ➔	MTR/TUBE ASM 112#72"ULT/MDI BT *MOTOR & TUBE*	1
MM	2777156 ➔	MTR/TUBE ASM 112#60"ULT/MDI BT *MOTOR & TUBE*	1
NN	2773002 ➔	PLN END HSG/TRNDCR 4.5 MDI *112LB THRUST* *45"*	1
FFF	2773005 ➔	PLN END HSG/TRNDCR 4.5 MDI *112LB THRUST* *72"*	1
GGG	2773006 ➔	PLN END HSG/TRNDCR 4.5 MDI *112LB THRUST* *60"*	1
Item	**Part #**	**Description**	**Quantity**
170	✖	TUBE-COMP,BLK,60", w/1/4" WALL *SEE D, J OR MM*	1
	✖	TUBE-COMP,BLK,45", w/1/4" WALL *SEE C, H OR L*	1
	✖	TUBE-COMP,BLK,72",w/1/4" WALL *SEE E, LL OR K*	1
▲	✖	SEAL,BUNG UPPER,FW	1
▲	✖	SEAL,BUNG LOWER	1
172	640-045	LEADWIRE BLK 10AWG 76 1/2" GPT *4.5* *112LB THRUST* *60*	1
	640-049	LEADWIRE BLK 10AWG 88.50" GPT *4.5* *112LB THRUST* *72*	1
	640-040	LEADWIRE BLK 10AWG 62 1/4" GPT *4.5* *112LB THRUST* *45*	1
174	640-145	LEADWIRE RED 10AWG 75 7/8" GPT *4.5* *112LB THRUST* *60*	1
	640-149	LEADWIRE RED 10AWG 88" GPT *4.5* *112LB THRUST* *72*	1
	640-140	LEADWIRE RED 10AWG 61 1/2" GPT *4.5* *112LB THRUST* *45*	1
▲	✖	BRUSH HOLDER *4.5* *112LB THRUST*	2
176	975-045	SPRING-TORSION *4.5* *112LB THRUST*	2
178	188-095	BRUSH *4.5* *112LB THRUST*	2
180	2260731	TERMINAL 1/4" MALE TAB-THREE *4.5* *112LB THRUST*	2
182	738-011	BRUSH PLATE *4.5* *112LB THRUST*	1
184	2307312	BEAD-FERRITE *A SKU* *M SKU* *4.5* *112LB THURST*	1
186	2-100-245	ARMATURE ASY 4.5"LWR UNIT *4.5* *112LB THRUST*	1

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✚ Only available with models factory installed with Universal Sonar.
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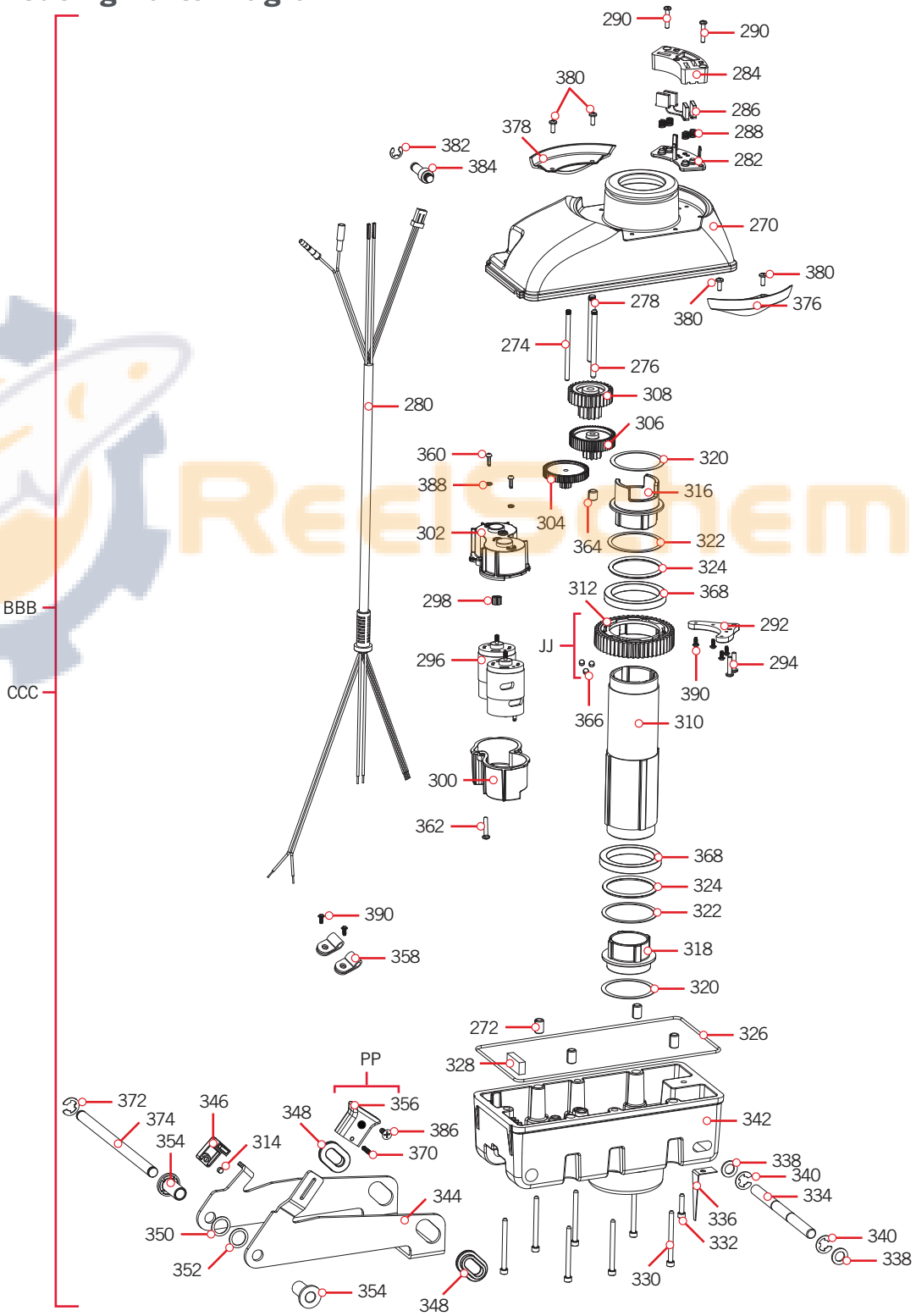
Item	Part #	Description	Quantity
188	140-014	BEARING-BALL 6000 *4.5* *112LB THRUST*	1
190	✖	CTR HSG ASY 4.5" MAG FW CB TER *4.5* *112LB THRUST* *ASSEMBLY C, D OR E*	1
192	2-300-155	BRUSH END HSG ASY 4.5" FW *4.5* *112LB THRUST*	1
194	✖ ✚	PLN END HSG 4.5" US2.5 PNT FW *4.5* *112LB THRUST* *ASSEMBLY R, S OR T*	1
196	640-317	BONDING WIRE BROWN 18 AWG 86" GPT *4.5* *112LB THRUST* *72*	1
	640-315	BONDING WIRE BROWN 18 AWG 62" GPT *4.5* *112LB THRUST* *45*	1
198	701-009	O-RING *THRU BOLT* *80LB THRUST* *112LB THRUST* *4* *4.5*	2
200	701-098	O-RING, 98MM X 2MM *4.5* *112LB THRUST*	1
202	701-103	O-RING,103MM X 3.00MM, 70 BUNA *4.5* *112LB THRUST*	1
204	830-094	THRU BOLT 12-24 X10.31 *4.5* *112LB THRUST*	2
206	582-016	CLIP-RETAINING, SONAR *4.5* *112LB THRUST*	1
208	990-051	WASHER - STEEL THRUST	1
210	990-052	WASHER - NYLATRON	1
212	2302104	SCREW-#6-20 X 3/8 THD CUTS,RIE	1
214	230-038 ✚	CABLE CLAMP *US2*	1
216	992-011	WASHER-BELLEVILLE *4.5* *112LB THRUST*	2
218	990-011	WASHER-SHIM OD 1",ID.630"SS *4.5* *112LB THRUST*	1
220	2053410	SCREW-#8-32 X 1/2 TRI-LOBE HEX *4.5* *112LB THRUST*	2
222	2262658	PIN-DRIVE 1" X 3/16" S/S	1
224	2091701	WASHER-PROP (LARGE) MAX101	1
226	2093101	NUT-PROP,NYLOC,LG,MX101 3/8 SS	1
228	2341160	PROP-WW2 (4.5) w/ADP.RING	1
230	2201505	COLLAR, BELT CLAMP	1
232	2200800	BELT-RACK, LOWER	1
234	2201500	COLLAR, CLAMP	1
236	3393480	SCREW-#10 X 1.0" PPH HI-LO SS	4
238	888-025	SEAL	2
240	725-095	PAPER TUBE	1
242	144-017	BEARING	1
244	230-039 ➔	CABLE CLAMP *MDI*	1
246	788-040	RETAINING RING	1
248	830-110 ➔	SCREW 5-16 - 18 X 5/8 SHCS SS	2
250	✖ ➔	PLAIN END HOUSING, PNT 4.5 DI *SEE NN, FFF OR GGG*	1
252	792-005 ➔	GUARD TRANSDUCER, PNT 4.5 DI	1

▲ Not shown on Parts Diagram.
✖ This part is included in an assembly and cannot be ordered individually.
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⬣ Only available with models factory installed with i-Pilot Link.
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ULTERRA STEERING HOUSING

Steering Housing Parts Diagram



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Steering Housing Parts List

Assembly	Part #	Description	Quantity
BBB	2996521	ASM, STEERING 24V *80LB THRUST*	1
CCC	2996522	ASM, STEERING 36V *112 LB THRUST*	1
JJ	2772200	OUTPUT GEAR W/MAGNETS	1
PP	2770100	RELEASE KNOB WITH SCREW KIT	1
Item	**Part #**	**Description**	**Quantity**
270	✖	STEERING HSG COVER FW BLK *SEE BBB OR CCC*	1
272	✖	PIN-ROLL 5/16" X 1/2" *SEE BBB OR CCC*	4
274	✖	SHAFT-GEAR, FIRST CLUSTER *SEE BBB OR CCC*	1
276	✖	SHAFT-GEAR,INTERMED.CLUSTER *SEE BBB OR CCC*	1
278	✖	SHAFT-GEAR, THIRD CLUSTER *SEE BBB OR CCC*	1
280	✖	LEADWIRE,STEERING MTR, 8 COND. *SEE BBB OR CCC*	1
282	✖	INSULATOR, BLOCK-BRUSH *SEE BBB OR CCC*	1
284	✖	BLOCK-BRUSH, SLIPRING *SEE BBB OR CCC*	1
286	✖	BRUSH SHUNT ASSEMBLY *SEE BBB OR CCC*	2
288	✖	BUMPER BRUSH BLOCK *SEE BBB OR CCC*	4
290	2203408	SCREW-#6-32 X .75" PPH, NYLON	2
292	2201920	BRACKET-SENSOR, STEERING HSG	1
294	2303412	SCREW-#6-20 X 5/8 SELF TAP	2
296	✖	MOTOR, STEERING 36V FW T2 *112LB THRUST* *SEE CCC*	1
	✖	MOTOR, STEERING 24V T2 *80LB THRUST* * SEE BBB*	1
298	2322215	GEAR-PINION, DR.HSG, STAGE 1	1
300	2322520	CASE-MOTOR,STRG HSG,TOP	1
302	2322525	CASE-MOTOR,STRG HSG,BTM	1
304	2322210	GEAR & PINION, DR.HSG, STAGE 2	1
306	2302250	GEAR & PINION,DR. HSG, STAGE 3	1
308	2302255	GEAR & PINION,DR. HSG, STAGE 4	1
310	2322030	TUBE-OUTPUT, MACHINED	1
312	2322200	GEAR-OUTPUT	1
314	✖	MAGNET-.187X.125 NCKL PLT(N/A) *SEE 346*	1
316	2201510	COLLAR-DRIVE, OUTPUT TUBE	1
318	2321510	COLLAR-DRIVE,BOTTOM	1
320	2321704	WASHER-THRUST, STEERING	2
322	2321720	SHIM,O-RING	2
324	2324608	O-RING,224,STR HSG	2
326	2324604	O-RING, CASE SEAL	1
328	2308601	BREATHER FILTER, DR.HOUSING	1

▲ Not shown on Parts Diagram.
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⬢ Only available with models factory installed with i-Pilot Link.
✚ Only available with models factory installed with Universal Sonar.
➔ Only available with models factory installed with Built-in MEGA Down Imaging.

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PARTS DIAGRAM & PARTS LIST

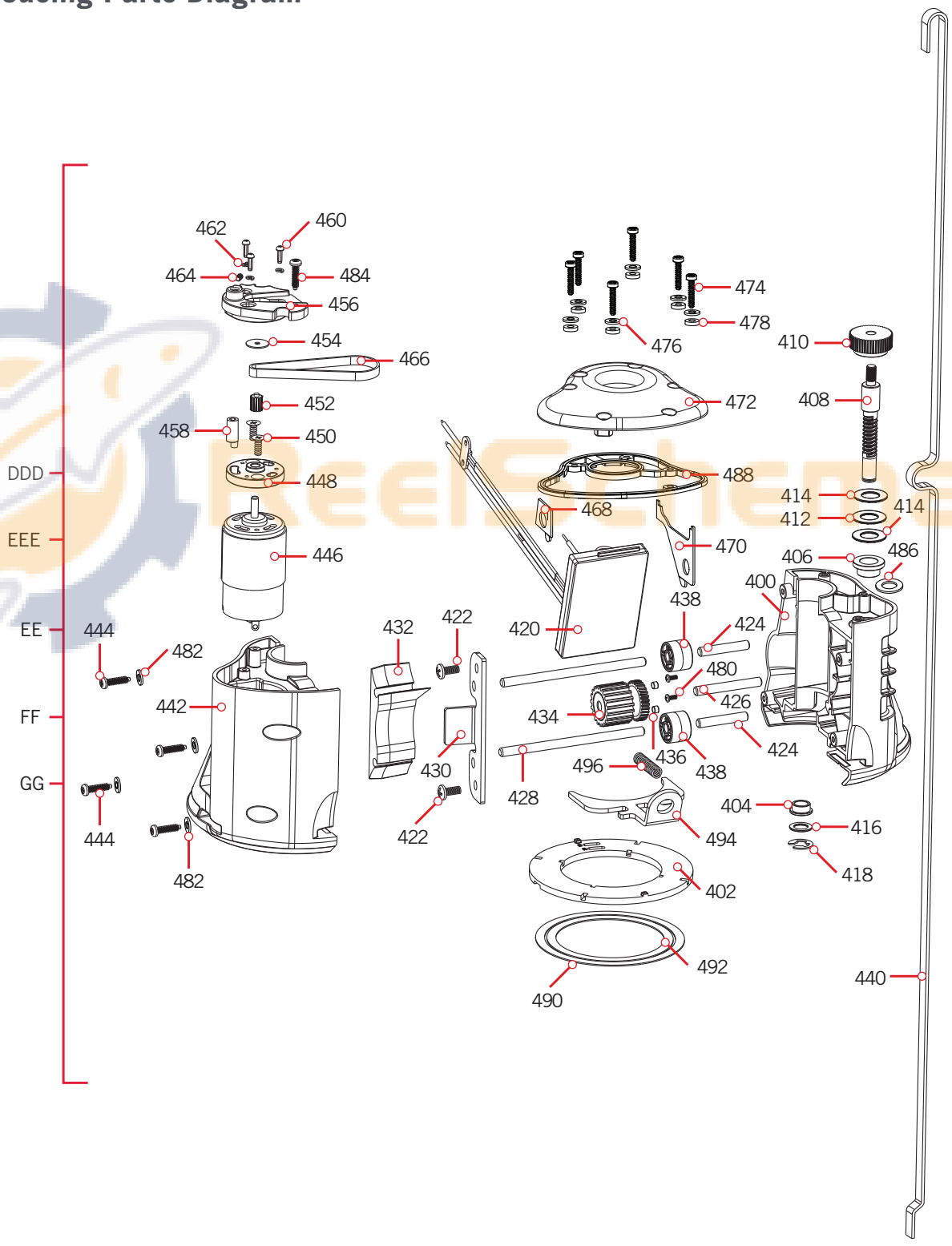
Item	Part #	Description	Quantity
330	2323408	SCREW-#8-32 X 2.0 SHCS SS	7
332	2323410	SCREW-#8-32 X .75 SHCS SS	1
334	2202626	PIN-LATCH, SS	1
336	2322702	SPRING, LATCH PIN SS	2
338	2321702	WASHER-FLAT .375 NYLON	2
340	2263011	E-RING 3/8 DIA. SHAFT*	2
342	✖	HOUSING-STEERING, BTM, FW *SEE BBB OR CCC*	1
344	2201911	BRACKET, TILT, ZP	1
346	2208600	HOLDER-MAGNET w/MAGNET	1
348	2207305	BUSHING, LATCH PIN	2
350	2201730	WASHER-FLAT, .56 ID NYLON *BLACK*	1
352	2201731	WASHER-FLAT, NYLON *WHITE*	1
354	2207310	BUSHING,STEERING HSG, PIVOT	2
356	2200100	KNOB, TILT RELEASE	1
358	2052510	CABLE CLAMP, 3/16", NYLON	2
360	2053422	SCREW-M3-.5 X 10 PPH, ZPS	2
362	2043412	SCREW-#8-18 X 3/4 TY AB SS PPH	1
364	2321730	SPACER,GEAR CLUSTER,STEER HSG	1
▲	✖	HOUSING, CONNECTOR WPJ	1
366	✖	MAGNET-.187X.125 NCKL PLT(N/A) *SEE JJ*	3
368	2327308	BEARING-BALL,SEALED,6809-2RS	2
370	2383463	SCREW-#6-32 X .625"SET SS	1
372	2263011	E-RING 3/8 DIA. SHAFT*	1
374	2202601	PIN-PIVOT, DRIVEHOUSING, ZP	1
376	2205905	ADAPTER, STEERING HSG RIGHT	1
378	2205900	ADAPTER, STEERING HSG LEFT	1
380	2332103	SCREW-#6-20 X 3/8 THD*(SS)	4
382	2263006	E-RING, 5/16, S/S GAS ASSIST	1
384	2202902	STANDOFF, OIL DAMPENER	1
386	2203407	SCREW-#6-32 X .625" PFH, SS	1
388	2051710	SPLIT LOCK WASHER 3MM	4
390	2373440	SCREW-#4-24 X 1/4 PHCR SS	6

▲ Not shown on Parts Diagram.
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ULTERRA TRIM HOUSING

Trim Housing Parts Diagram



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Trim Housing Parts List

Assembly	Part #	Description	Quantity
DDD	2887802	ASSY,TRIM MODULE, FW, 60"	1
EEE	2887820	ASSY,TRIM MODULE, FW, 72"	1
EE	2887807	ASSY,TRIM MODULE, FW, 45"	1
FF	2887827	ASSY,TRIM MOD "M",FW, 45" *M SKU*	1
GG	2887823	ASSY,TRIM MOD "M",FW, 60" *M SKU*	1
Item	**Part #**	**Description**	**Quantity**
400	✖	HOUSING-TRIM, GEAR SIDE *SEE DDD, EEE, EE, FF OR GG*	1
402	✖	CARRIER, SLIPRING CONTACTS *SEE DDD, EEE, EE, FF OR GG*	1
404	✖	BUSHING, TRIM, BOTTOM *SEE DDD, EEE, EE, FF OR GG*	1
406	✖	BUSHING-HAT 1/2"SHFT BRNZ *SEE DDD, EEE, EE, FF OR GG*	1
408	✖	SHAFT-WORM *SEE DDD, EEE, EE, FF OR GG*	1
410	✖	PULLEY, TRIM JACKSHAFT, MACH. *SEE DDD, EEE, EE, FF OR GG*	1
412	✖	BEARING-THRUST, NEEDLE *SEE DDD, EEE, EE, FF OR GG*	1
414	✖	WASHER-THRUST, 1/2" *SEE DDD, EEE, EE, FF OR GG*	2
416	✖	WASHER-THRUST, 3/8" *SEE DDD, EEE, EE, FF OR GG*	1
418	✖	E-RING 3/8 DIA. SHAFT* *SEE DDD, EEE, EE, FF OR GG*	1
420	✖	BOARD ASSY, WIRELESS TRIM *SEE DDD, EEE, EE, FF OR GG*	1
	✖	BOARD ASSY, WIRELESS TRIM "M" *SEE DDD, EEE, EE, FF OR GG*	1
422	✖	SCREW-#4-24 X 1/4 PHCR SS TY B *SEE DDD, EEE, EE, FF OR GG*	2
424	✖	PIN, BELT PULLEY *SEE DDD, EEE, EE, FF OR GG*	2
426	✖	PIN, 2' X 1/4" *SEE DDD, EEE, EE, FF OR GG*	1
428	✖	PIN-DOWEL, 1/8" *SEE DDD, EEE, EE, FF OR GG*	2
430	✖	BRACKET, DRIVE BLOCK *SEE DDD, EEE, EE, FF OR GG*	1
432	✖	BLOCK, TUBE DRIVE *SEE DDD, EEE, EE, FF OR GG*	1
434	✖	GEAR/PULLEY-WORM, CLUSTER ASM *SEE DDD, EEE, EE, FF OR GG*	1
▲	✖	MAGNET-.187X.125 NCKL PLT(N/A) *SEE 434*	2
438	✖	PULLEY, BELT, TOP *SEE DDD, EEE, EE, FF OR GG*	2
440	2770816	BELT-LIFT 45"	1
	2770818	BELT-LIFT 60"	1
	2770819	BELT-LIFT 72"	1
442	✖	HOUSING-TRIM, MOTOR SIDE *SEE DDD, EEE, EE, FF OR GG*	1
444	✖	SCREW -4MM DELTA PT SS *SEE DDD, EEE, EE, FF OR GG*	4
446	✖	MOTOR, TRIM *SEE DDD, EEE, EE, FF OR GG*	1
448	✖	PLATE-ADAPTER, LIFT MOTOR *SEE DDD, EEE, EE, FF OR GG*	1
450	✖	SCREW-M4 X 10 PFH, ZP *SEE DDD, EEE, EE, FF OR GG*	2
452	✖	PULLEY, LIFT MOTOR, MACHINED *SEE DDD, EEE, EE, FF OR GG*	1

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✚ Only available with models factory installed with Universal Sonar.
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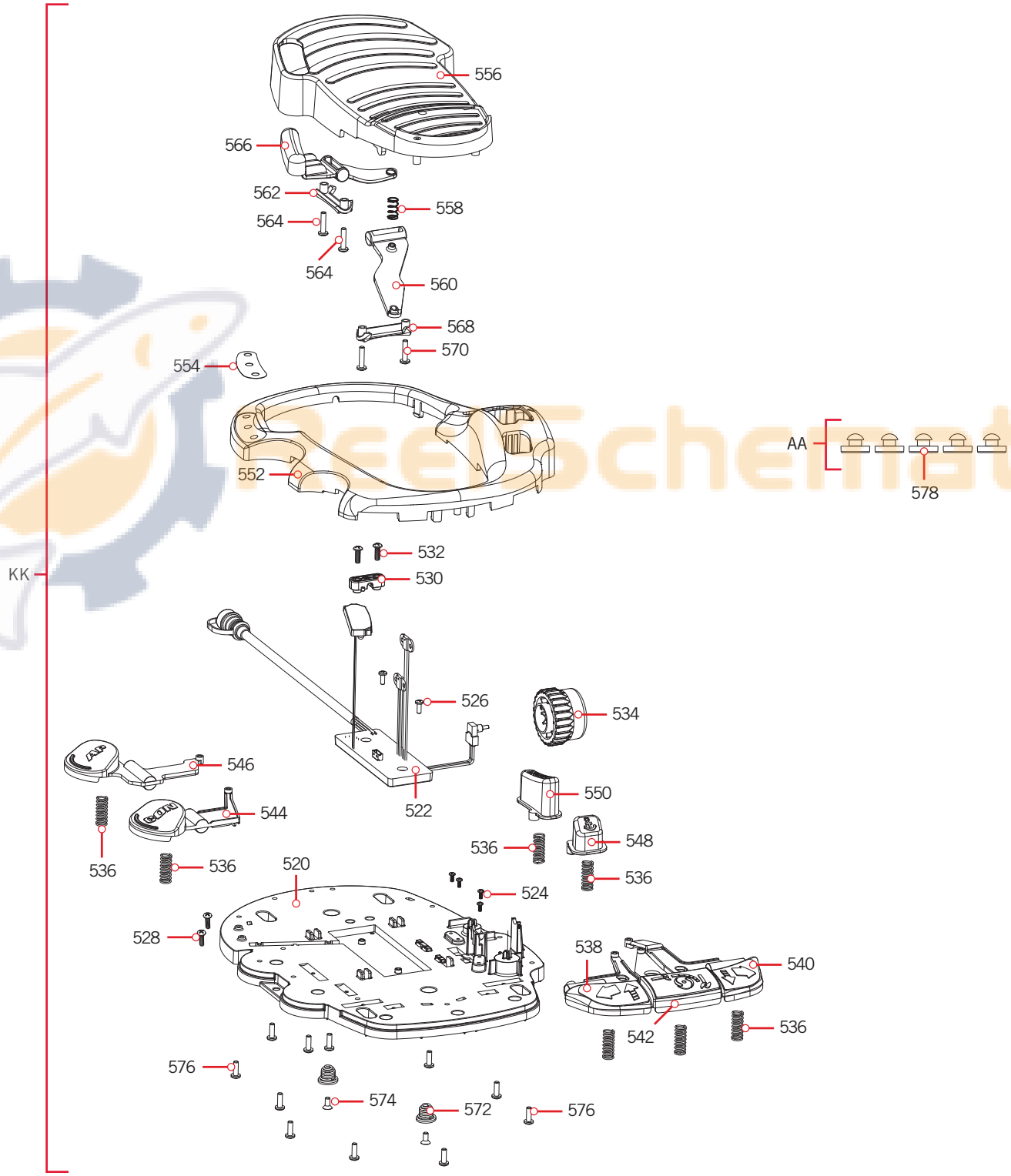
Item	Part #	Description	Quantity
454	✖	WASHER-#6, .625 OD, ZP STEEL *SEE DDD, EEE, EE, FF OR GG*	1
456	✖	PLATE-MOTOR *SEE DDD, EEE, EE, FF OR GG*	1
458	2058411	TENSIONER-BELT	1
460	2053422	SCREW-M3-.5 X 10 PPH, ZPS	3
462	2051710	LOCKWASHER-SPLIT, 3MM, ZP	3
464	2053420	SCREW-SET-#8-32 X 1/4" S/S	1
466	2200810	BELT-TRIM	1
468	2206914	GASKET, TRIM HSG ASM, LFT, BLK	1
470	2206915	GASKET, TRIM HSG ASM, RIGHT BLK	1
472	2206410	COVER, TRIM HOUSING	1
474	2203401	SCREW -4MM DELTA PT SS	6
476	3391732	WASHER, SEALING	6
478	3394602	WASHER-FLAT #8 SS	6
480	2373440	SCREW-#4-24 X 1/4 PHCR SS	2
482	3394602	#8 FLAT WASHER SS	4
484	2203401	SCREW-4MN DELTA PT SS	1
486	✖	O-RING, 014-BUNA N, ULTERRA	1
488	2206911	GASKET, TRIM HOUSING ASSEBMLY BLK	1
490	✖	RING-CONTACT, SLIPRING LARGE *SEE DDD, EEE, EE, FF OR GG*	1
492	✖	RING-CONTACT, SLIPRING SMALL *SEE DDD, EEE, EE, FF OR GG*	1
494	✖	HANDLE, TRIM HSG RELEASE, ZP *SEE DDD, EEE, EE, FF OR GG*	1
496	✖	SPRING-5/16" OD, SS *SEE DDD, EEE, EE, FF OR GG*	1

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ULTERRA FOOT PEDAL

Foot Pedal Parts Diagram



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Foot Pedal Parts List

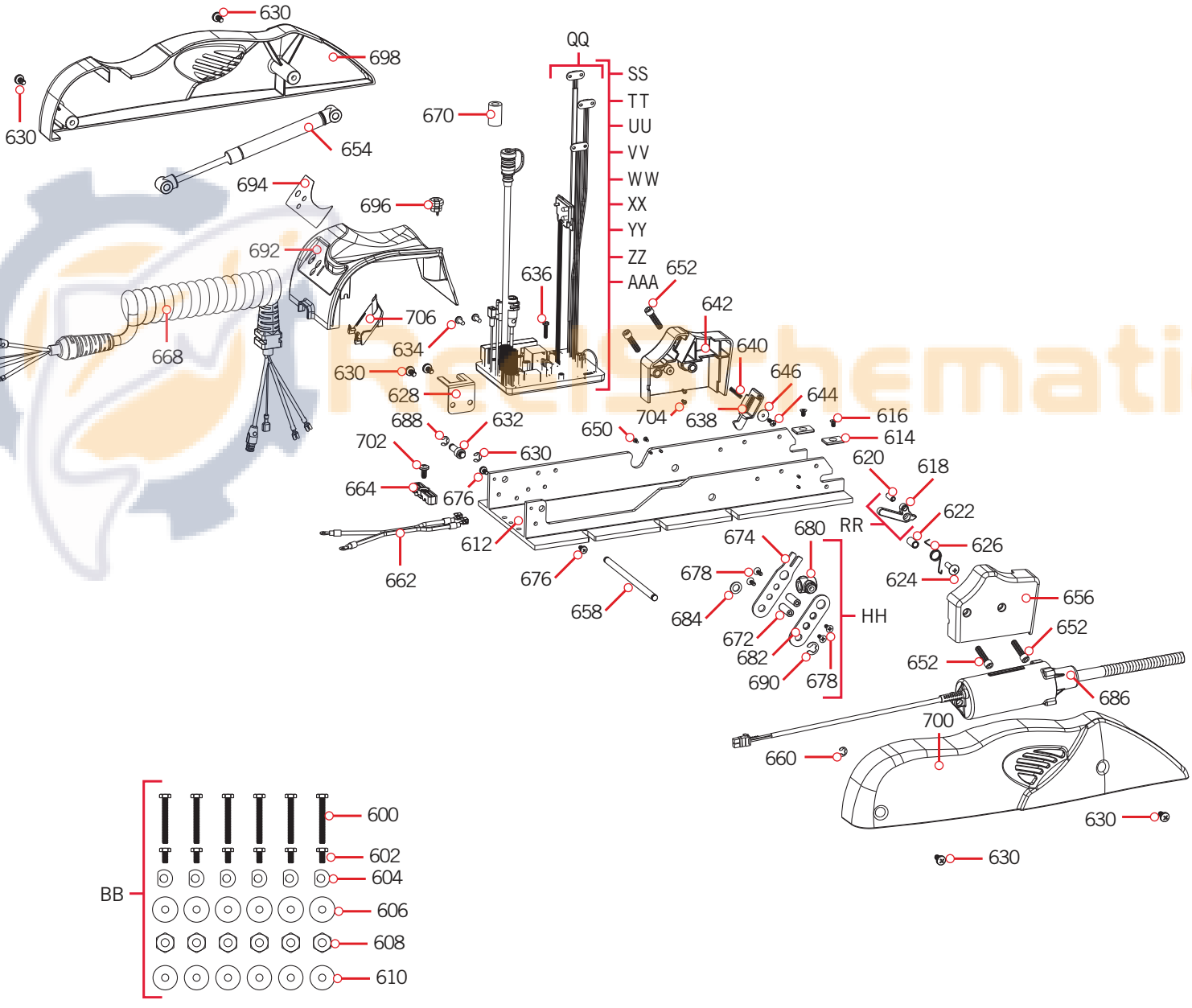
Assembly	Part #	Description	Quantity
KK	2994741	FOOT PEDAL ASSY, ULTERRA	1
AA	2994859	BAG ASY-TERROVA/V2,RUB.BUMPERS	1
Item	**Part #**	**Description**	**Quantity**
520	2204500	BASE PLATE-ULTERRA / TERROVA	1
522	✖	PCB ASSY, ULTERRA *SEE KK*	1
524	2373440	SCREW-#4-24 X 1/4 PHCR SS TY B	6
526	2332103	SCREW-#6-20 X 3/8 THD*(SS)	2
528	2302100	SCREW-#6-20 X 1/2 THD CUTS	2
530	2322900	STRAIN RELIEF, FOOT PEDAL	1
532	2372100	SCREW-#8-18 X 5/8 THD* (SS	2
534	2320100	KNOB-SPEED, FOOT PEDAL	1
536	2322704	SPRING, LARGE SHORT SS	7
538	2203710	BUTTON,LFT STR w/TRIM UP ARROW	1
540	2203711	BUTTON,RGT STR w/TRIM UP ARROW	1
542	2203715	BUTTON, MOMENTARY/STOW-DEPLOY	1
544	2323715	BUTTON,MOM/CON,FT PEDAL	1
546	2323725	BUTTON,AP,FT PEDAL	1
548	2203720	BUTTON, SPOT LOCK,ULTERRA/TRRV	1
550	2203725	BUTTON, MODE, ULTERRA	1
552	2200200	COVER,HEEL TOE FOOT PEDAL	1
554	2205605	DECAL, 3 INDICATORS, ULTERRA	1
556	2324401	PEDAL,HEEL/TOE FOOT PEDAL	1
558	2322714	SPRING (LEE #LC-029E-4-S) SS	1
560	2328600	FLEX FINGER, FOOT PEDAL	1
562	2321300	CLAMP-LEFT, FT PEDAL	1
564	2223430	SCREW-#8x3/4 PPH,TYPE 25,SS	2
566	2323710	BUTTON,MOM LEFT,FT PEDAL	1
568	2321300	CLAMP-LEFT, FT PEDAL	1
570	2223430	SCREW-#8x3/4 PPH,TYPE 25,SS	2
572	2322706	SPRING-BARREL SS	2
574	2323420	SCREW-#8-18 X 3/8" PFH SS TY B	2
576	2301310	SCREW-#8-18 X 1/2 (SS)*	11
578	2325110	PAD, FOOTPEDAL	5

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ULTERRA MOUNT ›

› Mount Parts Diagram



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Mount Parts List

Assembly	Part #	Description	Quantity
BB	2994917	BAG ASSY, ULTERRA MTG HARDWARE	1
QQ	2880350	SENSOR WIRE W/BUTT CONNECTORS	1
RR	2777900	CAM W/MAGNET, SPRING PIN	1
SS	2774080	MAIN CTRL BD, US/AU/CA, 24V, 60" *80LB THRUST* *60*	1
TT	2774081	MAIN CTRL BD, US/AU/CA, 24V, 45" *80LB THRUST* *45*	1
UU	2774082	MAIN CTRL BD, US/AU/CA, 36V, 60" *112LB THRUST* *60*	1
VV	2774083	MAIN CTRL BD, US/AU/CA, 36V, 45" *112LB THRUST* *45*	1
WW	2774084	MAIN CTRL BD, EUR, 24V, 60" *80LB THRUST* *60* *M SKU EUROPE*	1
XX	2774085	MAIN CTRL BD, EUR, 24V, 45" *80LB THRUST* *45* *M SKU EUROPE*	1
YY	2774086	MAIN CTRL BD, EUR, 36V, 60" *112LB THRUST* *60* *M SKU EUROPE*	1
ZZ	2774087	MAIN CTRL BD, EUR, 36V, 45" *112LB THRUST* *45* *M SKU EUROPE*	1
AAA	2774091	MAIN CTRL BD, US/AU/CA, 36V, 72" *112LB THRUST* *72*	1
HH	2774201	TILT BRACKET ASSEMBLY	1
Item	Part #	Description	Quantity
600	2203430	SCREW-1/4-20 X 2.0 HHCS SS	6
602	2203431	SCREW-1/4-20 X 0.5 HHCS SS	6
604	2201725	WASHER-CLIPPED, 1/4", 1.00" OD	6
606	2261713	WASHER-1/4 FLAT 18-8 SS	6
608	2263103	NUT-1/4-20 NYLOCK SS	6
610	2301720	WASHER-MOUNTING - RUBBER	6
612	2201901	BASE, MACHINED, FW	1
614	2205105	PAD, STOP	2
616	2203420	SCREW-#10-24 X 5/16 PFH	2
618	2207900	CAM, PIN SENSOR w/MAGNET	1
620	2262632	PIN-SPRING 1/4" X 5/8" SS	1
622	2201702	SPACER, PIN SENSOR	1
624	9280710	HDW SCR 1/4 20X7/8 TRUSS PHIL	1
626	2042711	SPRING-TORSION, SS	1
628	2200821	CLIP-CORD, ZP	1
630	2323404	SCREW-1/4-20 X 1/2" T-L ZP	4
632	2202902	STANDOFF, OIL DAMPENER	1
634	2323406	SCREW-#10-24 X .50 CRPH SS	2
636	2373487	SCREW-#8-32 X 3/4" PPH MACH SS	1
638	2203700	PLUNGER, RAMP w/MAGNET	1
640	2202703	SPRING, PLUNGER-RAMP	1

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PARTS DIAGRAM & PARTS LIST

Item	Part #	Description	Quantity
642	2203916	RAMP-MOTOR, LEFT, 80#	1
	2203917	RAMP-MOTOR, LEFT, 112#	1
644	2301310	SCREW-#8-18 X 1/2 (SS)*	1
646	2201722	WASHER-#6, .625 OD, ZP STEEL	1
648	2373440	SCREW-#4-24 X 1/4 PHCR SS TY B	2
650	2053411	SCREW-#4-40 X 1/4 PPH ZP	4
652	2263453	SCREW-1/4-20 X 1" SHCS S/S	4
▲	2200825	CLIP, SENSOR CABLE	2
654	2208800	DAMPER, HYBRID, 80#	1
	2208802	DAMPER, HYBRID, 112#	1
656	2203911	RAMP-MOTOR, RIGHT, 80#	1
	2203912	RAMP-MOTOR, RIGHT, 112#	1
658	2202606	PIN, ACTUATOR, ZP	1
660	2263006	E-RING,5/16,S/S GAS ASSIST	1
662	2090651	LEADWIRE,10 GA,PD/GENESIS	1
664	2321310	STRAIN RELIEF	1
666	2263453	SCREW-1/4-20 X 1" SHCS S/S	1
668	2991272	COIL CORD ASY 54/60"U.SONAR	1
	2991276	COIL CORD ASY 72" U.SONAR	1
670	2307313	BEAD-FERRITE	1
672	2202901	STANDOFF, LIFT ARM	2
674	2204201	ARM-LIFT, INNER, ZP	1
676	2383447	SCREW-#10-32 X 3/8" PPH SS	2
678	2203410	SCREW-#10-32 X .5"	4
680	2203100	NUT, TILT MOTOR	1
682	2204206	ARM-LIFT, OUTER, ZP	1
684	2321702	WASHER-FLAT .375 NYLON	1
686	2997813	ASSEMBLY, TILT MOTOR	1
688	2263006	E-RING,5/16,S/S GAS ASSIST	1
690	2263011	E-RING 3/8 DIA. SHAFT*	1
692	2206510	HOUSING-CONTROL, BLACK	1
694	2205602	DECAL, B.METER/CON/PWR FW, BLK	1
696	2202910	STRAIN RLF,HEYC SR 6N3-4	1
698	2203907	SIDEPLATE, LEFT	1
700	2203902	SIDEPLATE, RIGHT	1
702	2323404	SCREW-1/4-20 X 1/2" T-L ZP	1
▲	2256300	TIE WRAP-5.5" BLACK	2
▲	2052510	CABLE CLAMP, 3/16", NYLON	2

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Item	Part #	Description	Quantity
704	2373440	SCREW-#4-24 X 1/4 PHCR SS TY B	2
706	2200823	CLIP, POWER BUTTON	1

ReelSchematic

▲ Not shown on Parts Diagram.
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