PARTS DIAGRAM & PARTS LIST

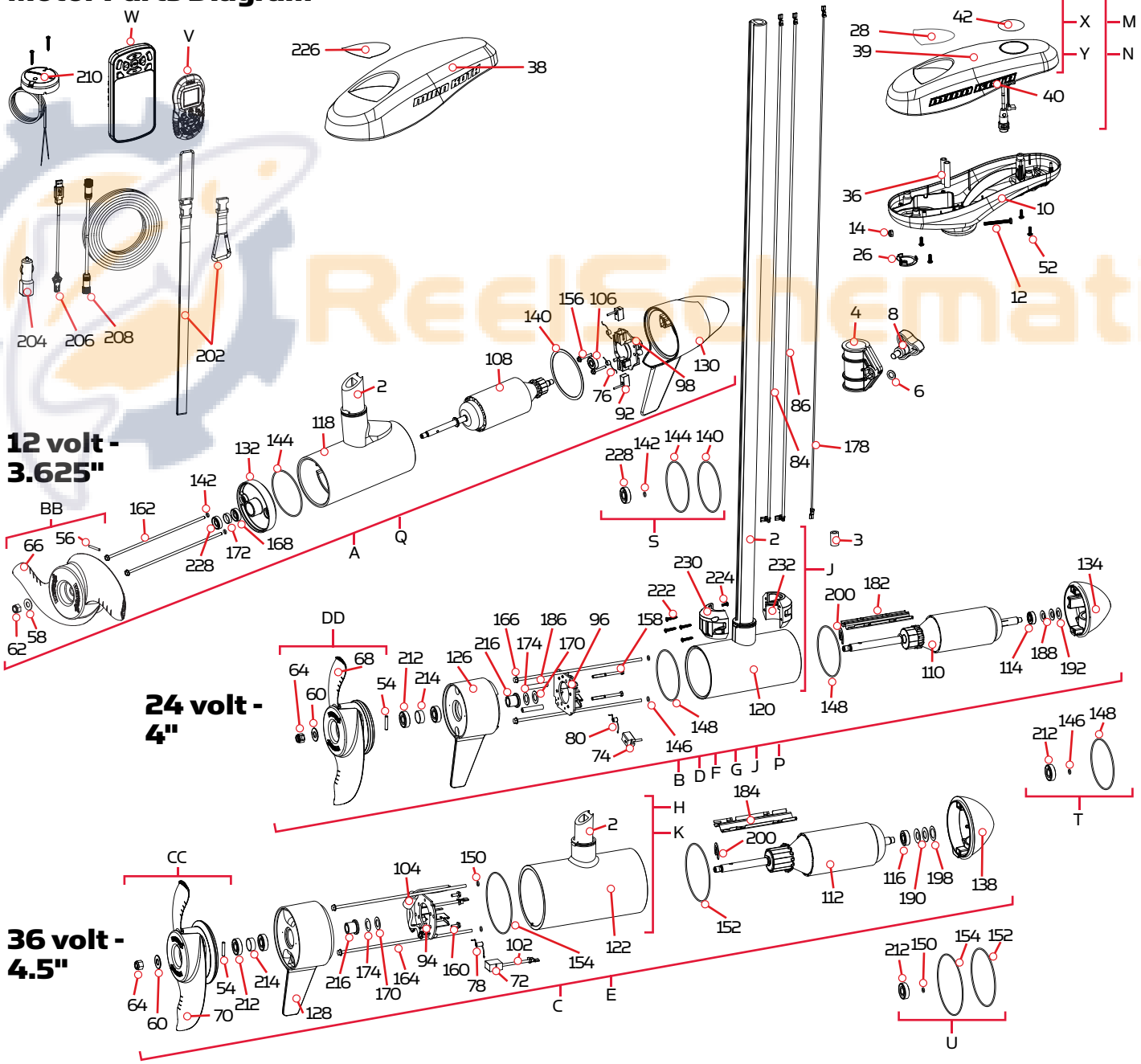
RIPTIDE TERROVA

55/80/112 LBS THRUST - 12/24/36 VOLT - 54”/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.

RIPTIDE TERROVA MOTOR

Motor Parts Diagram



ReelSchematic

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Motor Parts List

Assembly	Part #	Description	Quantity
A	2779034	MTR/TUBE ASM 55# 54" RT TRV BT *MOTOR & TUBE* *54* *3.625*	1
B	2777034	MTR/TUBE ASM 80# 54" TRV BT *MOTOR & TUBE* *54* *4*	1
C	2777083	MTR/TUBE 112# 60" RT TRV BT *MOTOR & TUBE* *60* *4.5*	1
D	2777036	MTR/TUBE ASM 80# 60" RT TRV BT *MOTOR & TUBE* *60* *4*	1
E	2777084	MTR/TUBE 112# 72" RT TRV BT *MOTOR & TUBE* *72* *4.5*	1
F	2777035	MTR/TUBE ASM 80# 54" TRV-M BT *MOTOR & TUBE* *54* *4* *EUROPE ONLY*	1
G	2777037	MTR/TUBE 80# 60" RT TRV-M BT *MOTOR & TUBE* *60* *4* *EUROPE ONLY*	1
P	2777042	MTR/TUBE ASM 80# 72" *MOTOR & TUBE* *72* *4* *EUROPE ONLY*	1
Q	2779036	MTR/TUBE ASM 55# 60" *MOTOR & TUBE* *60* *3.625* *EUROPE ONLY*	1
H	2777343	CTR HSG,CB,112#,SW, UP TO 60" *TUBE* *4.5*	1
J	2777398	CTR HSG,CB,80#,SW, UP TO 60" *TUBE* *4*	1
K	2777344	CTR HSG,CB,112#,SW, 72" TUBE *TUBE* *4.5*	1
M	2774051 ♦	MOTOR KIT, iPLT 1.6 RT TERROVA *I-PILOT RECEIVER*	1
N	2774068 ♦	MOTOR KIT, iPLT 3.0 RT TERROVA *I-PILOT LINK RECEIVER*	1
BB	1378131	PROP IND 2091160 WDLS WDG II *3.625* *55LB THRUST*	1
CC	1378160	PROP KIT 2341160 112# WW2 *4.5* *112LB THRUST*	1
DD	1378132	PROP IND 233160 WDLS WDG II *4* *80LB THRUST*	1
S	2888460	SEAL & O-RING KIT *55LB THRUST* *3.625*	1
T	2889460	SEAL & O-RING KIT *80LB THRUST* *4*	1
U	2881450	SEAL & O-RING KIT *112LB THRUST* *4.5*	1
V	2994075 ♦	REMOTE ASSY, IPILOT 1.6	1
W	2994076 ♦	REMOTE ASSY, IPILOT LINK *LINK ONLY*	1
X	2770207 ♦	COVER KIT, iPLT 1.6 RT TERROVA *I-PILOT COVER & DECALS ONLY*	1
Y	2770212 ♦	COVER KIT, iPLT 3.0 RT TERROVA *I-PILOT LINK COVER & DECALS ONLY*	1
Item	**Part #**	**Description**	**Quantity**
2	✖	TUBE-COMP,WHT,72",1/4" WALL,T2	1
	✖	TUBE-COMP,WHT,54",1/4" WALL,T2	1
	✖	TUBE-COMP,WHT,60",1/4" WALL,T2	1
	✖	TUBE-COMP,WHT,54",1/4", "M",T2	1
	✖	TUBE-COMP,WHT,60",1/4", "M",T2	1
	✖	TUBE-COMP,WHT,72",1/4", "M",T2	1
3	2307312	BEAD-FERRITE *M SKU* *EUROPE ONLY*	1
▲	✖	SEAL,BUNG LOWER	1
▲	✖	SEAL,BUNG UPPER,FW	1
4	2321505	DEPTH COLLAR, LIFT ASSIST	1
6	2321702	WASHER-FLAT .375 NYLON	1

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▲ Not shown on Parts Diagram.
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Item	Part #	Description	Quantity
▲	2256300	TIE WRAP-5.5" BLACK	2
8	2260906	KNOB-SOFT GRIP,HG/DR,SS	1
10	2292501	CONTROL BOX, SW ST	1
12	2263406	SCREW-#10-24 X 2 PPH SS	1
14	2333101	NUT-HEX #10-24 UNC-2B NYL SS	1
26	2224705	INSERT-PLUG, WHT, I PILOT*SMALL HOLE* *i-PILOT*	1
	2224703	INSERT-PLUG, PD/AP WHITE *NO HOLE*	1
28	✖	DECAL-GENERIC, PUSH BTN TOP SW	1
▲	9950433	TIE WRAP-4" BLACK	2
36	2305402	SHRINK TUBE-.374 OD X 2.25"	2
38	2290206	COVER,CTRL BOX, SW *AUTOPILOT*	1
39	2292501	CONTROL BOX, SW ST	1
40	2325613	DECAL,CTRL BOX SIDE BT SW	2
42	✖	DECAL, DOMED IPILOT SW	1
	✖	DECAL, DOMED, iPILOT LINK SW	
52	2372100	SCREW-#8-18 X 5/8 THD (SS)	7
54	2092600	PIN-DRIVE 1.06" LG (SS) *80LB THRUST* *4* *112LB THRUST* *4.5*	1
56	2262658	PIN-DRIVE 1" X 3/16" S/S *55LB THRUST* *3.625*	1
58	2151726	WASHER-5/16 STD (S/S) *55LB THRUST* *3.625*	1
60	2091701	WASHER-PROP (LARGE) *80LB THRUST* *4* *112LB THRUST* *4.5*	1
62	2198400	ANODES, ZINC, 3.25/3.62" LWR UNT *55LB THRUST* *3.625*	1
64	2198401	ANODES, ZINC, 4.0"LWR UNIT *80LB THRUST* *4* *112LB THRUST* *4.5*	1
66	2091160	PROP-WW2 (3-5/8") REAMED *55LB THRUST* *3.625*	1
68	2341160	PROP-WW2 (4.5) w/ADP.RING *112LB THRUST* *4.5*	1
70	2331160	PROP-WW2 (4") w/ADP.RING *80LB THRUST* *4*	1
72	188-095	BRUSH *4.5* *112LB THRUST*	2
74	188-094	BRUSH W/TERMINAL *4* *80LB THRUST*	2
76	975-040	SPRING - TORSION *3.625* *55LB THRUST*	2
78	975-045	SPRING - TORSION *4.5* *112 LB THRUST*	2
80	975-041	SPRING - TORSION *4* *80LB THRUST*	2
▲	✖	RIVET - .25" *4* *80LB THRUST* *4.5* *112LB THRUST*	6
84	640-126	LEADWIRE RED 10AWG 71" XLP	1
	640-145	LEADWIRE RED 10AWG 75 7/8" GPT	1
	640-151	LEADWIRE RED 10 AWG 70.375 GPT	1
	640-149	LEADWIRE RED 10AWG 88" GPT	1
	640-133	LEADWIRE RED 10AWG 66-1/4 XLP	1

✖ This part is included in an assembly and cannot be ordered individually.
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PARTS DIAGRAM & PARTS LIST

Item	Part #	Description	Quantity
86	640-049	LEADWIRE BLK 10AWG 88.50" GPT	1
	640-023	LEADWIRE BLK 10 AWG 69" GPT	1
	640-045	LEADWIRE BLK 10 AWG 76.5 GPT	1
	640-025	LEADWIRE BLK 10 AWG 66 3/4 XLP	1
	640-022	LEADWIRE BLK 10 AWG 72.5 XLP	1
▲	✖	BRUSH HOLDER *4* *80LB THRUST*	2
▲	✖	BRUSH HOLDER *4.5* *112LB THRUST*	2
92	188-036	BRUSH ASSEMBLY *3.625* *55LB THRUST*	2
94	9-738-011	BRUSH PLATE *4.5* *112LB THRUST*	1
96	9-738-015	BRUSH PLATE 4" TERMINAL *4* *80LB THRUST*	1
98	738-036	BRUSH PLATE WITH HOLDER 3.625 *3.625* *55LB THURST*	1
▲	2260730	CONNECTOR 1/4 MALE TAB QD *4* *80LB THRUST*	2
102	2260731	TERMINAL 1/4" MALE TAB-THREE *4.5* *112LB THRUST*	2
104	2307312	BEAD-FERRITE *4.5* *112LB THRUST*	1
106	725-050	PAPER TUBE - BRUSH RETENTION *3.625* *55LB THRUST*	1
108	2-100-146	ARM ASY 12V 3.62 55#CB/LS *55LB THRUST* *3.625*	1
110	2-100-214	ARM ASSY 24V 4" 80# (WW2) *80LB THRUST* *4.0*	1
112	2-100-245	ARMATURE ASY 4.5"LWR UNIT *112LB THRUST* *4.5*	1
114	140-010	BEARING - BALL *55LB THRUST* *3.625* *80LB THRUST* *4.0*	1
116	140-014	BEARING-BALL 6000 *112LB THRUST* *4.5*	1
118	✖	CTR HSG ASY 3.6 SW/CB/W-MG *55LB THRUST* *3.625*	1
120	✖	CTR HSG ASM 4.0" SW CB MGNTZD *80LB THRUST* *4.0*	1
122	✖	CTR HSG ASY 4.5" MAG FW CB *112LB THRUST* *4.5*	1
126	2-300-370	BRUSH END HSG ASY SW/W 4.0 *80LB THRUST* *4.0*	1
128	2-300-156	BRUSH END HSG ASY 4.5" SW *112LB THRUST* *4.5*	1
130	421-350	HSG BRSH END 3.62 SW CB/WHITE *55LB THRUST* *3.625*	1
132	2-400-337A	PLAIN END HSG ASY 3.6 TX/W *55LB THRUST* *3.625*	1
134	421-376	HSG PLN END 4" SW WHT BS *80LB THRUST* *4.0*	1
138	421-241	PLAIN END HSG 4.5" PNTD SW *112LB THRUST* *4.5*	1
140	337-036	GASKET *55LB THRUST* *3.625*	1
142	701-008	O-RING *55LB THRUST* *3.625*	2
144	701-081	O-RING *55LB THRUST* *3.625*	1
146	701-009	O-RING *80LB THRUST* *4.0*	2
148	701-043	O-RING *80LB THRUST* *4.0*	2
150	701-009	O-RING *112LB THRUST* *4.5*	2
152	701-098	O-RING, 98MM X 2MM *112LB THRUST* *4.5*	1
154	701-103	O-RING,103MM X 3.00MM, 70 BUNA *112LB THRUST* *4.5*	1
156	830-007	SCREW, # 8-32 *55LB THRUST* *3.625*	2

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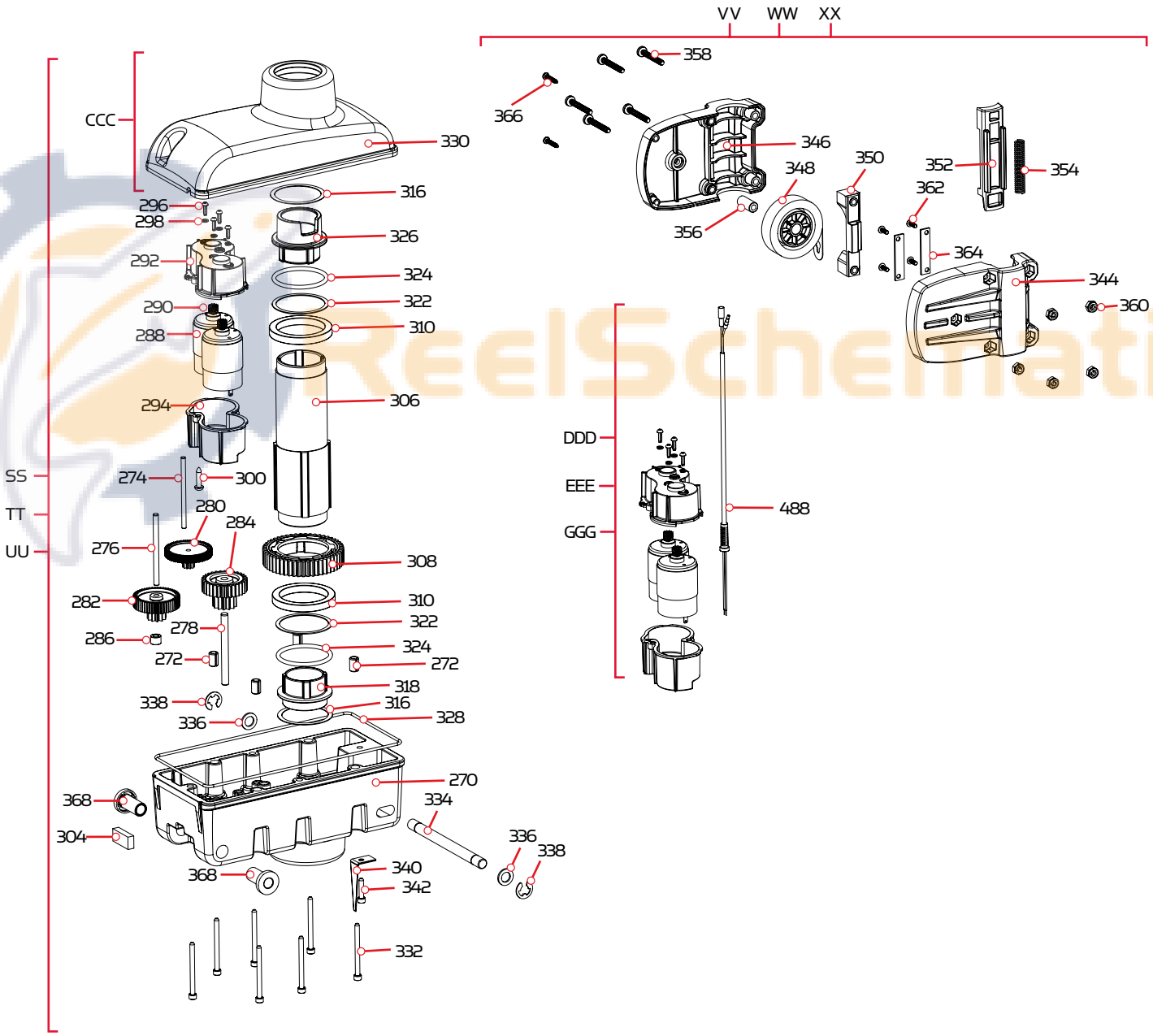
Item	Part #	Description	Quantity
158	830-027	SCREW - SELF-THREAD 10-32X2.25 *80LB THRUST* *4.0*	2
160	2053410	SCREW-#8-32 X 1/2 TRI-LOBE HEX *112LB THRUST* *4.5*	2
162	830-008	THRU BOLT 10-32 x 9.205 *55LB THRUST* *3.625*	2
164	830-094	THRU BOLT 12-24 X10.31 *80LB THRUST* *4.0* *112LB THRUST* *4.5*	2
166	830-094	THRU BOLT 12-24 x 10.31 *80LB THRUST* *4.0*	2
168	990-067	WASHER - STEEL THRUST *55LB THRUST* *3.625*	1
170	990-051	WASHER - STEEL THRUST *80LB THRUST* *4.0* *112LB THRUST* *4.5*	1
172	990-070	WASHER - NYLATRON *55LB THRUST* *3.625*	1
174	990-052	WASHER - NYLATRON *80LB THRUST* *4.0* *112LB THRUST* *4.5*	1
182	582-013	CLIP, RETAINING SHORT *80LB THRUST* *4.0*	1
184	582-016	CLIP-RETAINING, SONAR *112LB THRUST* *4.5*	1
186	973-025	SPACER - BRUSHPLATE *80LB THRUST* *4.0*	2
188	992-010	WASHER - BELLEVILLE *80LB THRUST* *4.0*	2
190	992-011	WASHER - BELLEVILLE *112LB THRUST* *4.5*	2
192	990-045	SPACER - THRUST *80LB THRUST* *4.0*	1
198	990-011	WASHER-SHIM OD 1",ID.630"SS *112LB THRUST* *4.5*	1
200	788-040	RETAINING RING	1
202	2390800 ♦	LANYARD, REMOTE W/ CARABINER	1
204	2375901 ♦	ADAPTER, USB DC POWER *LINK ONLY*	1
206	2373241 ♦	CABLE, USB REMOTE CHARGER *LINK ONLY*	1
208	490389-1 ♦	CABLE, ETHERNET, 30' * LINK ONLY*	1
210	2996400	HEADING SENSOR ASSEMBLY	1
212	880-025	SEAL	2
214	725-095	PAPER TUBE, SEAL	1
216	144-017	BEARING, FLANGE	1
222	3393450	SCREW-#6-19 X.75 PPH HI-LOW SS	4
224	2372103	SCREW #6 X .375 PLASTITE SS	1
226	2325617	DECAL, COVER, RT, T2 80 *80LB THRUST* *COPILOT*	1
228	788-015	RETAINING RING *3.625*	1
230	2321521	COLLAR-FRONT, LIFT ASSIST, SW	1
232	2321526	COLLAR-BACK, LIFT ASSIST, SW	1

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▲ Not shown on Parts Diagram.
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RIPTIDE TERROVA STEERING HOUSING

Steering Housing Parts Diagram



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Steering Housing Parts List

Assembly	Part #	Desctiption	Quantity
SS	2997064	STEERING HSG ASM 12V SW	1
TT	2997065	STEERING HSG ASM 24V SW	1
UU	2997063	STEERING HSG ASM 36V SW	1
VV	2992730	LIFT ASSIST, 55# SW	1
WW	2992731	LIFT ASSIST, 80# SW	1
XX	2992732	LIFT ASSIST, 112# SW	1
CCC	2776562	STEERING HSG TOP SW / GEAR KIT	1
DDD	2777060	STEERING MOTOR KIT, 12V T2	1
EEE	2777061	STEERING MOTOR KIT, 24V T2	1
GGG	2777063	STEERING MOTOR KIT, 36V SW T2 *DUAL MOTOR*	1
Item	**Part #**	**Desctiption**	**Quantity**
270	2326507	STEERING HSG,BTTM,SW,WHT	1
272	✖	PIN-ROLL 5/16" X 1/2"	4
274	✖	SHAFT-GEAR, FIRST CLUSTER	1
276	✖	SHAFT-GEAR,INTERMED.CLUSTER	1
278	✖	SHAFT-GEAR, THIRD CLUSTER	1
280	2302245	GEAR & PINION,DR. HSG, STAGE 2	1
282	2302250	GEAR & PINION,DR. HSG, STAGE 3	1
284	2302255	GEAR & PINION,DR. HSG, STAGE 4	1
286	2321730	SPACER,GEAR CLUSTER	1
288	✖	MOTOR, STEERING 12V FW T2	1
	✖	MOTOR, STEERING 24V FW T2	1
	✖	MOTOR, STEERING 36V FW T2	2
290	2302240	PINION GEAR, DR.HSG, STAGE 1	1
292	2322520	CASE-MOTOR,STRG HSG,TOP *12 VOLT* *24 VOLT*	1
	2322521	CASE-MTR, STEER HSG, TOP w/HOLES *36 VOLT*	1
294	2322525	CASE-MOTOR,STRG HSG,BTM	1
296	2372103	SCREW-X6 X /375 PLASTITE SS	4
298	2051710	SPLIT LOCK WASHER 3MM	4
300	2043412	SCREW-#8-18 X 3/4 TY AB SS PPH	1
302	2320605	LEADWIRE,STEERING MOTOR	1
304	2308601	BREATHER FILTER, DR.HOUSING	1
306	2322031	TUBE-OUTPUT, SALTWATER	1
308	2322200	GEAR-OUTPUT	1
310	2327315	BUSHING,ALUMIN. SPACER ST	2
316	2321704	WASHER-THRUST, STEERING	2

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PARTS DIAGRAM & PARTS LIST

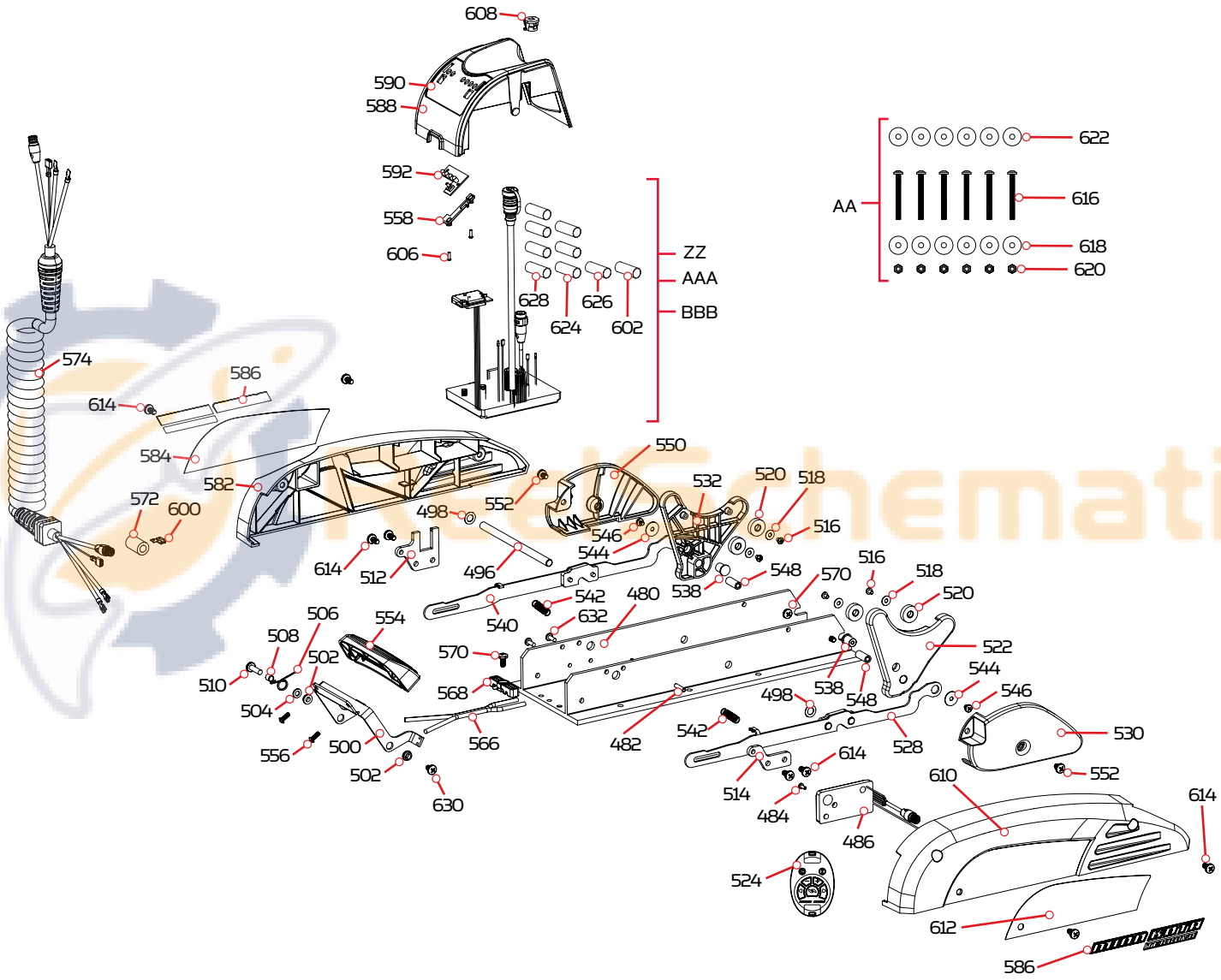
Item	Part #	Desctiption	Quantity
318	2321510	COLLAR-DRIVE,BOTTOM	1
322	2321720	SHIM,O-RING	2
324	2324608	O-RING,224, STR HSG	2
326	2321530	LINER OUTPUT TUBE, LIFT ASSIST	1
328	2324604	O-RING, CASE SEAL	1
330	✖	HOUSING-STEERING, TOP, SW	1
332	2323408	SCREW-#8-32 X 2.0 SHCS SS	7
334	2322601	PIN-LATCH, SS	1
336	2321702	WASHER-FLAT .375 NYLON	2
338	2263011	E-RING 3/8 DIA. SHAFT	2
340	2322702	SPRING, LATCH PIN SS	2
342	2323410	SCREW-#8-32 X .75 SHCS SS	1
344	2326546	HOUSING-RIGHT,LIFT ASSIST, SW	1
346	2326541	HOUSING-LEFT, LIFT ASSIST, SW	1
348	2997903	ASSEMBLY-HUB/SPRING, 55# INCNL	1
	2997904	ASSEMBLY-HUB/SPRING, 80# INCNL	1
	2997905	ASM-HUB/SPRING,112# INCN	1
350	2322300	GUIDE,DR.DOG, LIFT ASSIST	1
352	2328605	ENGAGEMENT DOG, LIFT ASST	1
354	2322725	SPRING,COMPRESSION,.360" OD SS	1
356	2322610	PIN-AXLE, LIFT ASSIST	1
358	2323430	SCREW-#10-24 X 1-3/8, PPH	5
360	2333101	NUT-HEX #10-24 UNC-2B NYL SS	5
362	2372103	SCREW-#6 X .375 PLASTITE SS	4
364	2321955	BRACKET, LIFT ASSIST	2
366	3393450	SCREW-#6-19 X .75 PPH HI-LO	2
368	2327310	BUSHING, PIVOT PIN	2
370	2327314	BUSHING, PRO STEERING SW	2
488	✖	LEADWIRE, STEERING MOTOR	1

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RIPTIDE TERROVA MOUNT

Mount Parts Diagram



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Mount Parts List

Assembly	Part #	Desctiption	Quantity
ZZ	2774066	CTRL BRD, 24/36V TRV BT w/SHRNK	1
AAA	2774067	CTRL BRD, 12V TRV BT w/SHRNK *i-PILOT/i-PILOT LINK*	1
BBB	2774069	CTRL, BRD, 24/36V IP TRV BT, SHRNK *i-PILOT/i-PILOT LINK*	1
AA	2994864	BAG ASSY-TERROVA/V2,MNTG HDW	1
Item	**Part #**	**Desctiption**	**Quantity**
480	2321908	BASE-EXTRUSION, MACH, SW	1
482	2322912	PIN-ROLL .1875 X 1.000 SS	2
484	2332103	SCREW-#8-18 X 1/2 (SS) *COPILOT*	1
486	2374197	PCB ASY COPLT REC. TERROVA *COPILOT*	1
▲	2325501	DECAL, STOW / DEPLOY, T2	1
496	2322603	PIN-PIVOT, SS	1
498	2333100	NUT-SPEED (SS) 3HP-SS	2
500	2320406	HANDLE, RELEASE, SW	1
502	2322604	BUSHING,HANDLE,GOBEIL	2
504	2071716	WASHER-FLAT SS .253 x .470	1
506	2322701	SPRING, TORSION	1
508	2301700	SPACER-RELEASE LEVER-BRASS	1
510	2073408	SCREW-1/4-20 X 7/8 PPH S/S	1
512	2321941	BRACKET, STRAIN RELIEF SW	1
514	2321951	BRACKET, SIDEPLATE SW	1
516	2323412	SCREW-#8-18 X .25 PPH SS TY B	4
518	2321706	WASHER-FLAT #8 .50 OD/.188 SS	4
520	2325117	PAD, RUBBER REST, WHITE	4
522	2323910	RAMP-MOTOR, RIGHT 3-5/8"	1
	2323931	RAMP-MOTOR, RIGHT 4.5"	1
	2323930	RAMP-MOTOR, RIGHT 4"	1
524	2994095	TRANSMITTER ASY,TRRV CPLT *COPILOT*	1
528	2994201	ARM/SUPPORT BLOCK ASSY,R,SW	1
530	2321922	PLATE-SKID, RIGHT	1
532	2323915	RAMP-MOTOR, LEFT 3 5/8"	1
	2323935	RAMP-MOTOR, LEFT 4"	1
	2323936	RAMP-MOTOR, LEFT 4.5"	1
538	2324706	INSERT-MOTOR RAMP,METAL,SS	2
540	2994203	ARM/SUPPORT BLOCK ASSY,L,SW	1

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Item	Part #	Desctiption	Quantity
542	2322716	SPRING, EXTENSION, T2	2
544	2321700	WASHER #10 SS	2
546	2323422	SCREW-#10-24 X .25" PPH SS MCH	2
548	2322921	STAND-OFF, ALUM. ANODIZED	2
550	2321927	PLATE-SKID, LEFT	1
552	2323403	SCREW-1/4-20 X.375 MCH SS CRPH	3
554	2320218	COVER, HANDLE COSMETIC SW	1
556	2383446	SCREW-#8-16 X .50" PLASTITE SS	2
558	2320830	LOCKING TAB,PWR/BAT.METER	1
560	2383428	SCREW-#4-24 X 3/8 HI-LO SS	2
562	2320202	CAP-DUST,CONNECTOR, MALE	1
▲	2323406	SCREW-#10-24 X .50 CRPH SS	2
566	2090651	LEADWIRE,10 GA	1
568	2321310	STRAIN RELIEF	1
570	2323405	SCREW-1/4-20 X 1/2" MCH SS	3
572	2307312	BEAD-FERRITE	1
574	2991271	COIL CORD ASY 54"/60" NON-US2	1
582	2323926	SIDEPLATE-LEFT, RT/ST	1
584	2325646	DECAL,MTR REST,T2/ST LEFT	1
586	2205512	DECAL,SIDEPLATE,SW ULTERRA,T2	2
588	2326531	HOUSING-CENTER, RT/ST	1
590	2325653	DECAL,BM/CN/PWR STATUS SW	1
592	2074082	BATTERY METER, 36V, SW	1
	2074081	BATTERY METER, 24V, SW	1
	2074080	BATTERY METER, 12V, SW	1
▲	2321721	SHIM, 2 X 4 X .025"	1
600	2320710	TERMINAL-AMP (T-TAB)	1
602	2325401	SHRINK TUBE-3/4 ID X 2" W/ADHS	1
▲	2321315	HOLDER-CONNECTOR,NYLON,BLACK	1
606	2332103	SCREW-#6-20 X 3/8 THD*(SS)	2
608	2322901	STRAIN RELIEF, HEYCO P/N 1852	1
610	2323921	SIDEPLATE-RIGHT, RT/ST	1
612	2325645	DECAL,MOTOR REST,RIPTIDE,RIGHT	1
614	2323405	SCREW-1/4-20 X 1/2" T-L SS	8
616	2263462	SCREW-1/4-20 X 2" S/S PPH ADJT	6
618	2261713	WASHER-1/4 FLAT 18-8 SS	6
620	2263103	NUT-1/4-20 NYLOCK SS	6

✖ This part is included in an assembly and cannot be ordered individually.
▲ Not shown on Parts Diagram.
♦ May only be available with i-Pilot or i-Pilot Link.

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PARTS DIAGRAM & PARTS LIST

Item	Part #	Description	Quantity
622	2301720	WASHER-MOUNTING - RUBBER	6
624	2305410	SHRINK TUBE-.315 OD X 2.25" *SALTWATER*	3
626	2305415	SHRINK TUBE-.472 ID X 2.25" *SALTWATER*	1
628	2305403	SHRINK TUBE-.500 IDX1.0" ADHSV *SALTWATER*	4
630	2332104	SCREW-1/4-20 X 5/8 S/S	1
632	2323402	SCREW-1/4-20 X .375 T-L, ZP	2

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✖ This part is included in an assembly and cannot be ordered individually.
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