

TERROVA QUEST - 90/115 THRUST - 24/36 VOLT - 45"/60"/72" SHAFT

TERROVA QUEST CONTROL HEAD

This diagram illustrates the exploded view of a Minn Kota trolling motor assembly. The components are numbered 1 through 100. The assembly is organized into several sub-units labeled with letters in brackets:

- G**: Remote control unit.
- MM**: Motor housing and upper shaft components (parts 2, 4, 6).
- CC**: Control box and lower shaft components (parts 8, 10, 12).
- EE**: Propeller and lower shaft components (parts 14, 16, 18, 20, 22, 24, 26).
- K**: Propeller assembly components (parts 36, 38, 40, 42, 44, 46, 48, 50).
- J**: Main motor housing and internal components (parts 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72).
- F**: Mounting bracket and hardware components (parts 74, 76, 78, 80, 82, 84, 86).

Other components shown include a set of 34 propeller blades (34), a set of 28 mounting screws (28), a set of 98 mounting brackets (98), a set of 32 mounting screws (32), a set of 30 mounting brackets (30), a set of 90 mounting brackets (90), and a set of 94 mounting screws (94).



▶ Control Head Parts List

Assembly	Part #	Description	Notes	Quantity
EE	2774190	CONTROLLER KIT 4.0 QUEST FW	*DUAL SPECTRUM CHIRP*	1
CC	2774191	CONTRLLR KT 4.0 QUEST FW w/GND	*MEGA SIDE IMAGING*	1
MM	2770247	CTRL BOX COVER QUEST FW	*COVER & DECALS*	1
D	2991530	CLAMP COLLAR ASSEMBLY		1
J	✖	STOW LOCK COLLAR ASSEMBLY	*72"*	1
F	✖	COIL CORD SLIDER ASSEMBLY	*72"*	1
G	411690-1	TROLLING MOTOR REMOTE		1
Item	Part #	Description	Notes	Quantity
2	2200220	CONTROL BOX COVER, QUEST BLK		1
4	2395560	DECAL,PUSH BTN,ULT,UTX,TRV BLK		1
6	2205560	DECAL, CTRL BOX MK RIGHT FW		1
8	2205565	DECAL, CTRL BOX MK LEFT FW		1
10	2203441	SCREW-#6 X 1/2" THRD FORM,SSTL		3
12	2206302	TIE WRAP, SCREW MOUNT 6.3"		1
14	2206711	PLUG, RUBBER, 2D	*DUAL SPECTRUM CHIRP*	1
	2206710	PLUG, RUBBER, DI/SI	*MEGA SIDE IMAGING*	1
16	2205412	SHRINK TUBE-.75 ID X 2"		2
18	2372100	SCREW-#8-18 X 5/8 THD* (SS		4
20	2206301	TIE WRAP, LOW PROFILE 8"		1
22	2202520	CONTROL BOX BASE, QUEST BLK		1
24	2263406	SCREW-#10-24 X 2" S/S PPH		1
26	2333101	NUT-HEX #10-24 UNC-2B NYL SS		1
28	2390802	LANYARD REMOTE WITH CARABEENER		1
30	490384-4	CABLE, ETHERNET (M12-M12), 30'		1
32	490380-1	CABLE, ETHERNET PIGTAIL-700 HD		1
34	2996300	BAG ASM, TIE WRAPS, LOW PRO 4"		1
36	2291530	CLAMP COLLAR, BOLT SIDE		1
38	2291535	CLAMP COLLAR, CAM SIDE		1
40	2297200	LEVER, CAM LOCK		1
42	2322615	PIN, CAM LOCK, DEPTH COLLAR		1
44	2323401	SCREW-1/4-28X1 1/4 PFH 316SS		1
46	2062720	SPRING,DEPTH COLLAR,TRAXX		1
48	2292617	PIN, HINGE		1
50	2295110	PAD, FRICTION		1
52	2321535	COLLAR-STOW SPRING SIDE	*72"*	1
54	2325120	PAD-FRICTION, SPRING SIDE	*72"*	2
56	2322707	SPRING SILICONE RUBBER	*72"*	2
58	2323010	RING-PRESSURE, STOW COLLAR	*72"*	1

▲ Not shown on Parts Diagram.
✖ This part is included in an assembly and cannot be ordered individually.



PARTS DIAGRAM & PARTS LIST



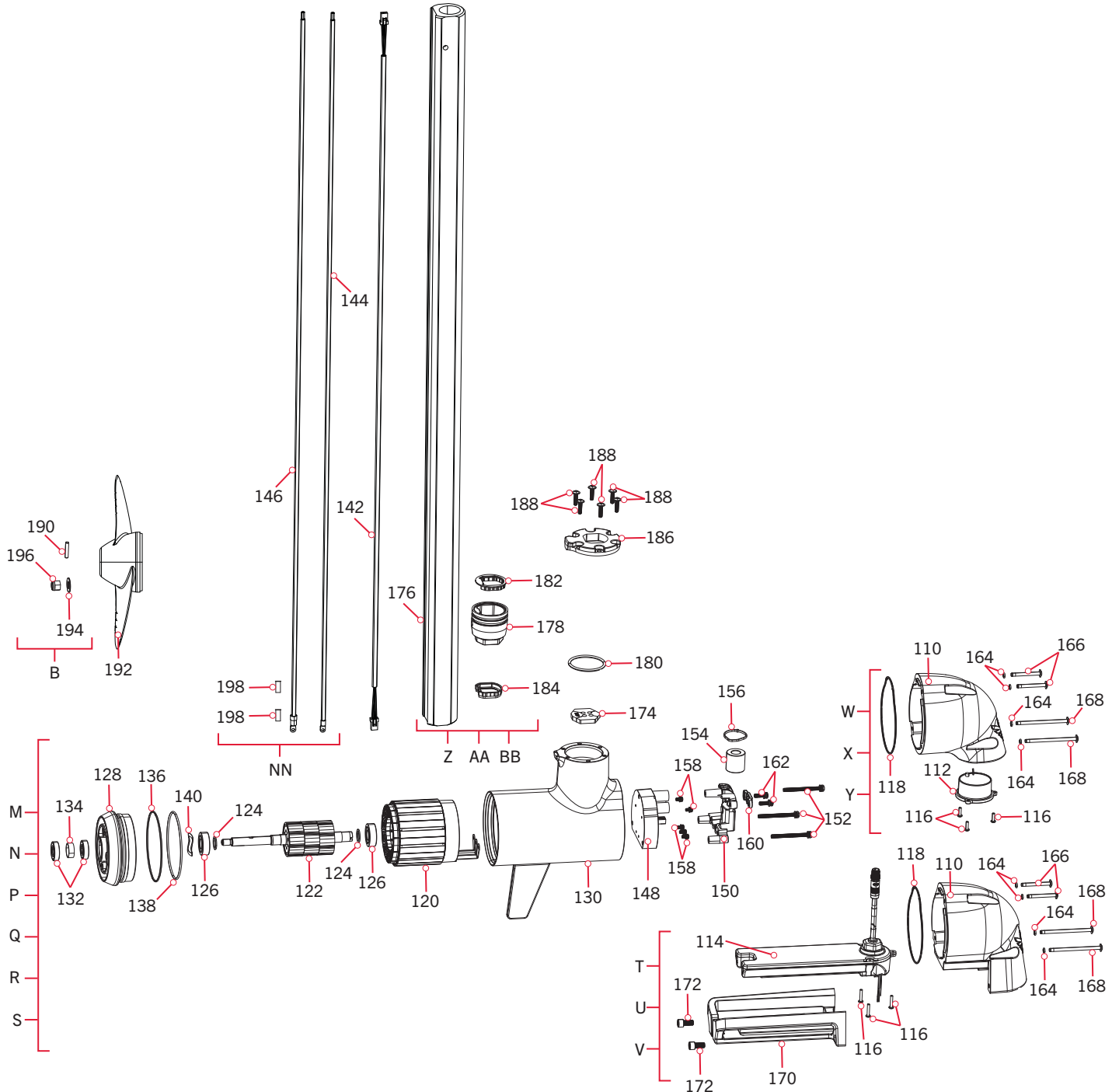
Item	Part #	Description	Notes	Quantity
60	2325121	PAD-FRICTION, CAM SIDE	*72**	1
62	2321536	COLLAR-STOW, CAM SIDE	*72**	1
64	2327910	CAM ARM, STOW COLLAR	*72**	1
66	2327330	BUSHING, CAM ARM	*72**	1
68	2322635	BOLT, SHOULDER ¼X1½ X10-24 SS	*72**	1
70	2333101	NUT-HEX #10-24 UNC-2B NYL SS	*72**	5
72	2323417	SCREW-#10-24X1 ¼ SS	*72**	4
74	2201530	COLLAR HALF, COIL CORD	*72**	2
76	2201531	COLLAR ARM, COIL CORD	*72**	1
78	2203424	SCREW-#10-12x.75,PTH TYPE A SS	*72**	2
80	2200860	CLAMP-BALL, COIL CORD SLIDER	*72**	2
82	830-064	SCREW-#6-32X1/2" TORX PH SS ND	*72**	2
84	2323110	NUT-HEX, 6-32 NYLOK SS	*72**	2
86	2203460	SCREW-#8 X 0.75 PPH HI-LO SS	*72**	2
90	490575-3	CABLE, ADPTR, 14 PIN, 110"-DSC	*DUAL SPECTRUM CHIRP*	1
	490634-1	CABLE, INT MSI- INSTINCT	*MEGA SIDE IMAGING*	1
92	2375444	SPLICER, 6-10 AWG, TIN PLTD		2
94	2994961	BAG ASM, CABLE,ADPTR, 490537-2	*490537-2* *MKR-MI-1* *DSC* *MSI*	1
96	2206304	TIE WRAP, REUSABLE RED, 6"		1
98	2205413	SHRINK TUBE-3/4 X 2.25"		2
100	2205415	SHRINK TUBE-.472 ID X 5"		1
▲	2327138	MANUAL, TERROVA 3 BL		1
▲	2327140	MANUAL-INSTLL GUIDE T3 BL		1
▲	2327155	LIST, TERROVA QUEST		1
▲	2397115	GUIDE-QUICK REFERENCE iP 4.0		1

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TERROVA QUEST MOTOR

24/36 Volt 90/115 Thrust Motor Parts Diagram



PARTS DIAGRAM & PARTS LIST



24/36 Volt 90/115lb Thrust Motor Parts List

Assembly	Part #	Description	Notes	Quantity
M	2771060	MTR ASY 24/36V 90/115# DSC 45"	*45"* *DUAL SPECTRUM CHIRP*	1
N	2771062	MTR ASY 24/36V 90/115# DSC 60"	*60"* *DUAL SPECTRUM CHIRP*	1
P	2771063	MTR ASY 24/36V 90/115# DSC 72"	*72"* *DUAL SPECTRUM CHIRP*	1
Q	2771080	MTR ASY 24/36V 90/115# MSI 45"	*45"* *MEGA SIDE IMAGING*	1
R	2771082	MTR ASY 24/36V 90/115# MSI 60"	*60"* *MEGA SIDE IMAGING*	1
S	2771083	MTR ASY 24/36V 90/115# MSI 72"	*72"* *MEGA SIDE IMAGING*	1
T	2773072	MSI FRONT END 45" QUEST	*45"* *MEGA SIDE IMAGING*	1
U	2773074	MSI FRONT END 60" QUEST	*60"* *MEGA SIDE IMAGING*	1
V	2773075	MSI FRONT END 72" QUEST	*72"* *MEGA SIDE IMAGING*	1
W	2773031	DSC FRONT END 45" QUEST	*45"* *DUAL SPECTRUM CHIRP*	1
X	2773033	DSC FRONT END 60" QUEST	*60"* *DUAL SPECTRUM CHIRP*	1
Y	2773035	DSC FRONT END 72" QUEST	*72"* *DUAL SPECTRUM CHIRP*	1
Z	2991064	BL ASM FW DSC/MSI 45"U2,T3	*SHAFT* *45"*	1
AA	2991065	BL SHAFT ASM 60" UTX,ULT,T3,RT	*SHAFT* *60"*	1
BB	2991066	BL SHAFT ASM 72" ULT, T3	*SHAFT* *72"*	1
B	2992604	BAG ASSM, PROP HARDWARE		1
NN	2880613	MTR LEADWIRE KIT, QUEST, 45"-72"		1
Item	Part #	Description	Notes	Quantity
110	✖	FRONT ENDBELL, DSC, FW PAINT	*DUAL SPECTRUM CHIRP*	1
	✖	FRONT ENDBELL, MSI, FW PAINT	*MEGA SIDE IMAGING*	1
112	✖	DSC XDUCER ASSY 62" HW T	*DUAL SPECTRUM CHIRP* *45"*	1
	✖	DSC XDUCER ASSY 73" HW T	*DUAL SPECTRUM CHIRP* *60"*	1
	✖	DSC XDUCER ASSY 86" HW T	*DUAL SPECTRUM CHIRP* *72"*	1
114	✖	BI MSI 67 FOR U2-440494-2	*MEGA SIDE IMAGING* *45"*	1
	✖	BUILT-IN MSI+ 79" FOR U2	*MEGA SIDE IMAGING* *60"*	1
	✖	BI MSI 91 FOR U2-440494-5	*MEGA SIDE IMAGING* *72"*	1
116	✖	SCREW-#6-32X1/2" TORX PH SS ND		3
118	880-032	SEAL-FRONT, BL MOTORS		1
120	✖	STATOR ASSEMBLY		1
122	✖	ROTOR ASSEMBLY		1
124	✖	WASHER BEARING		2
126	✖	BALL BEARING		2
128	✖	REAR ENDBELL, FW PAINT		1
130	✖	CENTER HSG, FW PAINT		1
132	✖	SEAL		2
134	✖	PAPER TUBE - SEAL BORE		1
136	✖	O-RING		1

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Item	Part #	Description	Notes	Quantity
138	✖	O-RING		1
140	✖	WASHER-WAVE		1
142	195-030	CABLE-COM 22GA TWST PAIR 62.38	*45"	1
	195-032	CABLE-COM 22GA TWST PAIR 76.25	*60"	1
	195-033	CABLE-COM 22GA TWST PAIR 87.63	*72"	1
144	✖	LEADWIRE RED 8 AWG 60 1/8	*45" *SEE ASSEMBLY NN*	1
	✖	LEADWIRE RED 8 AWG 74	*60" *SEE ASSEMBLY NN*	1
	✖	LEADWIRE RED 8 AWG 85 3/8	*72" *SEE ASSEMBLY NN*	1
146	✖	LEADWIRE BLK 8 AWG 61 1/8	*45" *SEE ASSEMBLY NN*	1
	✖	LEADWIRE BLK 8 AWG 75	*60" *SEE ASSEMBLY NN*	1
	✖	LEADWIRE BLK 8 AWG 86 3/8	*72" *SEE ASSEMBLY NN*	1
148	2994130	INVERTER ASM, 24/36V, BL		1
150	979-031	STRAIN RELIEF,BTM MACH WIRETAB		1
152	830-118	SCREW-DBL SEMS,M5 X .8MMX60MM"		3
154	2307318	FERRITE BEAD, BL		1
156	9953310	TIE WRAP-8"		1
158	830-123	SCREW-M4 X .7X8MM HEX DBL SEMS		5
160	979-022	STRAIN RELIEF, TOP CAST		1
162	830-121	SCREW-M5 X .8X18 PPH ZPS		2
164	701-010	O-RING, SCREW		4
166	830-105	SCREW, ROUND MOTOR, TOP		2
168	830-106	SCREW, ROUND MOTOR, BOTTOM		2
170	792-030	GUARD-SONAR, MSI, FW PAINT	*MEGA SIDE IMAGING*	1
172	830-110	SCREW-5-16-18 X 5/8 SHCS SS	*MEGA SIDE IMAGING*	2
174	880-041	SEAL-WIRE, BL MTR, UNIV. CHIRP	*DUAL SPECTRUM CHIRP*	1
	880-040	SEAL-WIRE, BL MTR, MSI/MDI	*MEGA SIDE IMAGING*	1
176	✖	TUBE-1CM, BLK 45", 1.5 X .875	*45"	1
	✖	TUBE-1CM, BLK 60", 1.5 X .875	*60"	1
	✖	TUBE-3CM,BLK 72", 1.5X.875 CBOR	*72"	1
178	✖	PLUG, COMP SHAFT, PAINTED		1
180	2294630	O-RING, 226, 70 SHORE A		1
182	✖	SEAL-TOP SHAFT, BRUSHLESS, CLR		1
184	✖	SEAL-LWR SHAFT, BRUSHLESS, CLR		1
186	2296432	PLATE, CLAMP, PAINTED		1
188	830-013	SCREW-M5 X .8 FSHCS SS CTD		6
190	2262659	PIN-DRIVE 1" X 3/16 SS 17-4		1
192	2321170	PROP, POWER REAMED		1
194	2091701	WASHER-PROP (LARGE) MAX101		1
196	2093101	NUT-PROP,NYLOC,LG,MX101 3/8 SS		1
198	✖	FERRULE, 8 AWG, .47", TIN PLTD		2

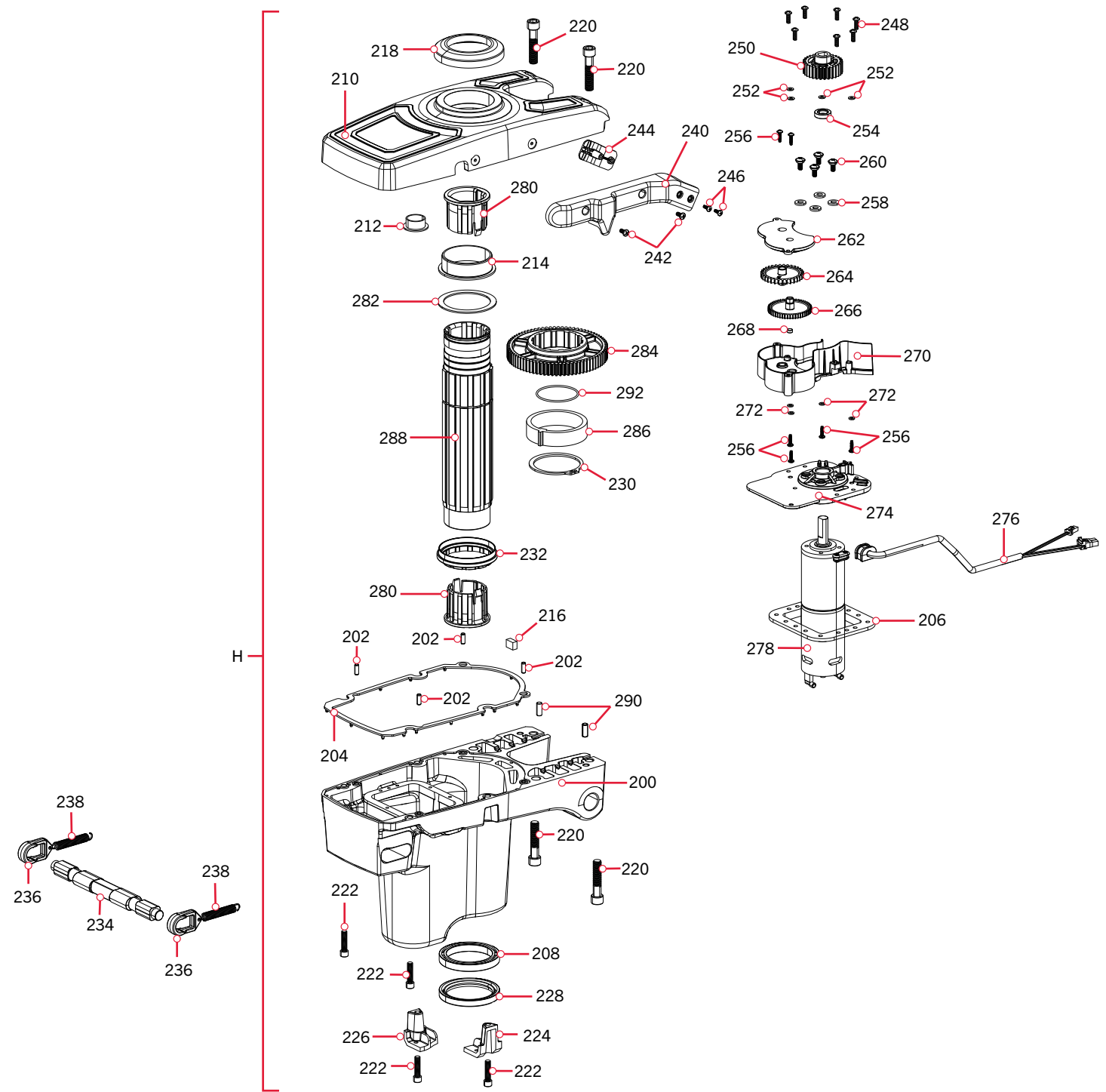
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PARTS DIAGRAM & PARTS LIST

TERROVA QUEST STEERING HOUSING

Steering Housing Parts Diagram



PARTS DIAGRAM & PARTS LIST

Steering Housing Parts List

Assembly	Part #	Description	Quantity
H	2997066	STEERING HOUSING ASM, FW	1
Item	Part #	Description	Quantity
200	✖	HSG-BTM, STEERING,SW, BLK TERR	1
202	✖	PIN-DOWEL, 3/16 X 1/2, SS	4
204	✖	SEAL, STEERING HOUSING SPLIT	1
206	✖	GASKET, MOTOR HOUSING,STEERING	1
208	✖	BRG, 55 X 72 X 9MM, SSTL	1
210	✖	HSG,STERING TOP,SW,BLK TERR	1
212	✖	BUSHING, JFM-2023-11	1
214	✖	BUSHING,55MM, JFM-5560-50	1
216	✖	VENT FILTER, STEERING HOUSING	1
218	✖	SEAL, UMBRELLA	1
220	✖	SCREW-3/8-16 X 1.75 SHCS SSTL	4
222	✖	SCREW-1/4-20 X 1" SHCS SS	4
224	✖	MOUNT, LATCH PIN SPRING, RIGHT	1
226	✖	MOUNT, LATCH PIN SPRING, LEFT	1
228	✖	SEAL, OUTPUT	1
230	✖	RETAINING RING, 2 3/8"	1
232	✖	GREASE CAP BEARING	1
234	2202624	PIN-LATCH, OVERMOLDED	1
236	2320840	CLEVIS, LATCH PIN	2
238	2322703	SPRING, LATCH PIN	2
240	✖	SHROUD,STR WIRE,FW w/MGNT	1
242	✖	SCREW-#8-32 X 3/8 MACHINE	2
244	✖	PLATE-BACKUP,STR WIRE	1
246	✖	SCREW-#6 X .375 PLASTITE SS	2
248	✖	SCREW-#8-32 X 9/16, PPH, SSTL	7
250	✖	GEAR, 30 TOOTH , PINION STR	1
252	✖	WASHER-FLAT #6 S/S	4
254	✖	SEAL,ID 12MM, OD 20MM, T 5MM	1
256	✖	SCREW-#6 X 1/2" THRD FORM,SSTL	6
258	✖	O-RING, 3/16 ID X 3/8 OD	4
260	✖	SCREW-M5X.8X12,FLANGED BTN HD	4
262	✖	COVER, STEER SENSOR GEARS	1
264	✖	GEAR-TRIM, 14T	1
266	✖	GEAR-STEER SENSOR, 51T	1

▲ Not shown on Parts Diagram.

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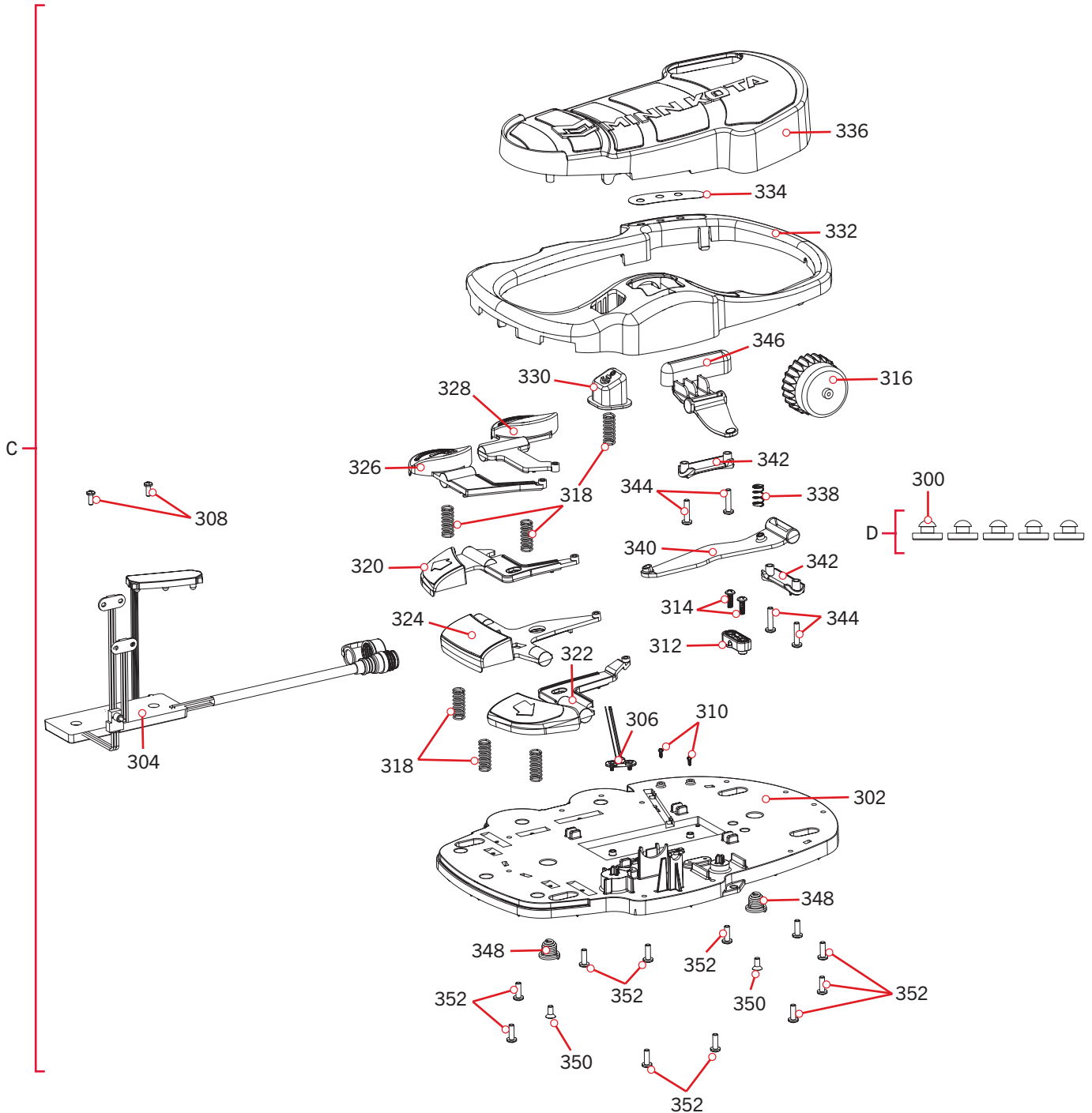
Item	Part #	Description	Quantity
268	✖	MAGNET, 1/4 X 1/8	1
270	✖	SENSOR,STR,ROTATIONAL,I/T	1
272	✖	SEALING WASHER, RUBBER	4
274	✖	PLATE, MOTOR MNT, STEERING	1
276	✖	STEERING CORD ASM	1
278	✖	MOTOR, 24 VDC, 1:130 GEARBOX	1
280	✖	BUSHING, OUTPUT TUBE, LWR	2
282	✖	WASHER-THRUST, OUTPUT TUBE	1
284	✖	GEAR,78 TOOTH,OUTPUT TUBE	1
286	✖	HUB, STEERING STOP, ANODIZED	1
288	✖	OUTPUT TUBE, ANDIZED	1
290	✖	PIN-DOWEL, 1/4" X 5/8" SS	2
292	✖	O-RING,-139,NOM ID 2.25,	1
▲	✖	TIE WRAP-4" BLACK(#21041)	1

▲ Not shown on Parts Diagram.
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TERROVA QUEST FOOT PEDAL

Foot Pedal Parts Diagram



PARTS DIAGRAM & PARTS LIST

Foot Pedal Parts List

Assembly	Part #	Description	Quantity
C	2994735	FOOT PEDAL ASM, TRV 3 BL	1
D	2994859	BAG ASY-TERROVA/V2,RUB.BUMPERS	1
Item	Part #	Description	Quantity
300	2325110	PAD, FOOT PEDAL	5
302	2204501	BASE PLATE, FOOT PEDAL	1
304	✖	PCB ASM, FT PEDAL, TERROVA 3	1
306	2373440	SCREW #4-24 X1/4 TYPE B	2
308	2372103	SCREW-#6 X .375 PLASTITE SS	2
310	2302100	SCREW-#6-20 X 1/2 THD CUTS	2
312	2322900	STRAIN RELIEF, FOOT PEDAL	1
314	2372100	SCREW-#8-18 X 5/8 THD* (SS	2
316	2320100	KNOB-SPEED, FOOT PEDAL	1
318	2322704	SPRING, LARGE SHORT SS	6
320	2323730	BUTTON, LEFT STEER, TERROVA	1
322	2323731	BUTTON, RGHT STEER, TERROVA	1
324	2323735	BUTTON, MOMENTARY, TERROVA	1
326	2323715	BUTTON,MOM/CON,FT PEDAL	1
328	2203730	BUTTON, OBN, FOOT PEDAL	1
330	2203720	BUTTON, SPOT LOCK,ULTERRA/TRRV	1
332	2320240	COVER,FT PEDAL,TERROVA 3 BL	1
334	2325654	DECAL, 3 LED INDICATORS,TRV3BL	1
336	2324401	PEDAL, HEEL/TOE, FOOT PEDAL	1
338	2322714	SPRING (LEE #LC-029E-4-S) SS	1
340	2328600	FLEX FINGER, FOOT PEDAL	1
342	2321300	CLAMP-LEFT, FT PEDAL	2
344	2223430	SCREW-#8x3/4 PPH,TYPE 25,SS	4
346	2323710	BUTTON,MOM LEFT,FT PEDAL	1
348	2322706	SPRING-BARREL SS	2
350	2323421	SCREW-#8-18 X 1/2" PFH SS TY B	2
352	2301310	SCREW-#8-18 X 1/2 (SS)	11

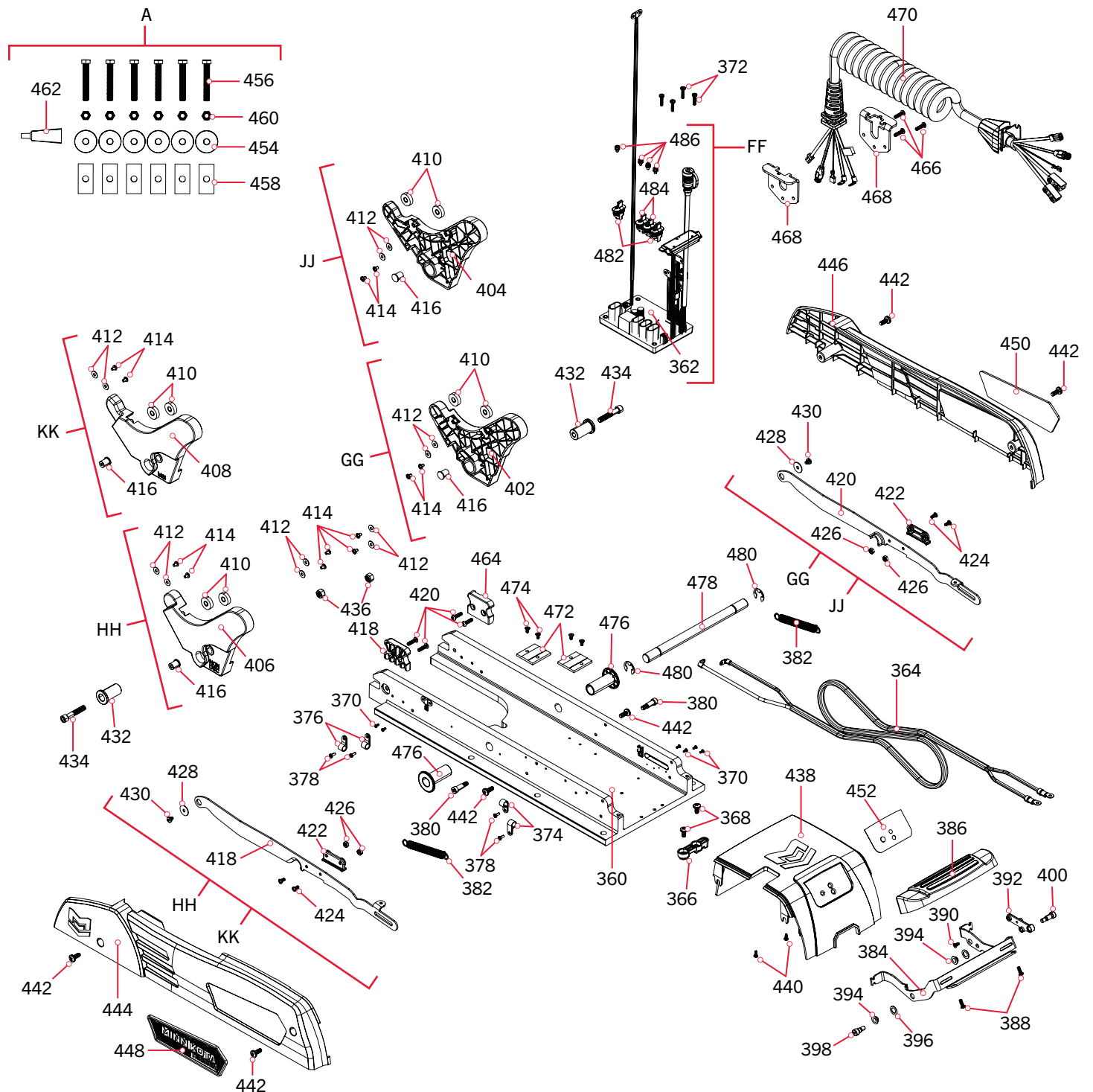
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TERROVA QUEST MOUNT »

Mount Parts Diagram



PARTS DIAGRAM & PARTS LIST



Mount Parts List

Assembly	Part #	Description	Notes	Quantity
A	2994948	BAG ASM, INSTINCT, T3 BL HDW		1
FF	✖	TERROVA QUEST CONTROL BOARD		1
GG	2773955	RAMP ASY, DSC/NO SONAR, RIGHT	*DUAL SPECTRUM CHIRP*	1
HH	2773956	RAMP ASY, DSC/NO SONAR, LEFT	*DUAL SPECTRUM CHIRP*	1
JJ	2773950	RAMP ASY, MSI, RIGHT	*MEGA SIDE IMAGING*	1
KK	2773951	RAMP ASY, MSI, LEFT	*MEGA SIDE IMAGING*	1
▲	2992372	STABILIZER,BWMNT ES TM w/CTN	*72"*	1
Item	Part #	Description	Notes	Quantity
360	2321960	BASE, EXTRUSION, MACH, T3BL FW		1
362	2324065	PCBA, TERROVA 3 BRUSHLESS		1
364	2200625	LEADWIRE ASM,8AWG,ULT 2 (DPLX)		1
366	2202919	STRAIN RELIEF, POWER		1
368	2323405	SCREW-1/4-20 X 1/2" MCH SS		2
370	2323445	SCREW-#4-40x3/8 TR HD TORX SS		6
372	2373487	SCREW-#8-32 X 3/4" PPH MACH SS		4
374	2040721	CLAMP-CABLE 3/8"		2
376	2052510	CABLE CLAMP, 3/16", NYLON		3
378	2073414	SCREW-#6-32 X .375 PPH SS(N/A)		5
▲	9950433	TIE WRAP-4" BLACK(#21041)		2
▲	2323442	SCREW-#10-24 X 3/8, BHCS, SS		2
380	2323504	BOLT-SHDR,5/16X1/2X1/4-20		2
382	2322717	SPRING, RAIL EXTENSION		2
384	2320410	RELEASE LEVER, FW		1
386	2320230	COVER,RELEASE LEVER,FW,PLASTIC		1
388	2383446	SCREW-#8-16 X .50" PLASTITE SS		2
390	2323420	SCREW-#8-18 X 3/8" PFH SS TY B		1
392	2998615	CARRIER-MGNT, REL.LEVER w/MGNT		1
394	2327335	BUSHING GFI-0506-03		2
396	2321709	WASHER, 3/8 FLAT, NYLON		2
398	2323503	BOLT-SHLDR, 5/16X1/4X1/4-20 SS		1
400	2323504	BOLT-SHDR,5/16X1/2X1/4-20		1
402	2323955	RAMP, DSC/NS, RIGHT	*DUAL SPECTRUM CHIRP*	1
404	2323950	RAMP, MSI, RIGHT	*MEGA SIDE IMAGING*	1
406	2323956	RAMP, DSC/NS, LEFT	*DUAL SPECTRUM CHIRP*	1
408	2323951	RAMP, MSI, LEFT	*MEGA SIDE IMAGING*	1
▲	✖	BUSHING, RAMP PIVOT		2
410	2325115	PAD, RUBBER REST, BLACK		4
412	2321706	WASHER-FLAT #8 .50 OD/.188 SS		8
414	2323412	SCREW-#8-18 X .25 PPH SS TY B		8

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