



ILLUSTRATED PARTS MANUAL



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Contents:

Symbols	2
Maintenance Item Part Numbers	3
Cylinder Block Assembly - Figure 1	4
Cylinder Head Assembly / Front Cover - Figure 2	6
Intake Manifold Components - Figure 3	8
Oil Pan and Oil Pump Assembly - Figure 4	10
Remote Oil Filter Components - Figure 5	12
Fuel Control Cell (FCC) Components - Figure 6	14
Cooling System Components (Open Loop Cooling Direct Drive) - Figure 7	16
Cooling System Components (Coastal Series Version 1 Direct Drive) - Figure 7A	18
Cooling System Components (Coastal Series Version 2 Direct Drive) - Figure 7B	20
Cooling System Components (Open Loop Cooling Vee Drive) - Figure 8	22
Cooling System Components (Coastal Series Version 1 Vee Drive) - Figure 8A	24
Cooling System Components (Coastal Series Version 2 Vee Drive) - Figure 8B	26
Exhaust Manifold and Components - Figure 9	28
Exhaust Manifold and Components (Coastal Series)- Figure 9A	30
Raw Water Cooling Pump - Figure 10	32
Wiring Harness, Sensors and ECM - Figure 11	34
ECM and Relays - Figure 12	36
Accessory Drive System Components - Figure 13	38
Starter Assembly and Bellhousing Components - Figure 14	40
Engine and Transmission Mounts (02-535C-XX; 02-625C-XX) - Figure 15	42
EngineandTransmissionMounts(02-535CW-XX;02-625CW-XX)-Figure15A.....	44
Engine and Transmission Mounts (02-535VC-XX;02-625VC-XX)-Figure 16	46
EngineandTransmissionMounts(02-535VCW-XX;02-625VCW-XX)-Figure16A.....	48
EngineandTransmissionMounts(15/18-535VC-XX;15/18-625VC-XX)-Figure17.....	50
EngineandTransmissionMounts(15/18-535VCW-XX;15/18-625VCW-XX)-Figure17A.....	52
Transmission and Related Components (02-535CX-XX; 02-625CX-XX) - Figure 18	54
Transmission and Related Components (02-535VCX-XX; 02-625VCX-XX) - Figure 19	56
Transmission and Related Components (15/18-535VCX-XX; 15/18-625VCX-XX) - Figure 20	58
Hoods and Decals - Figure 21	60

HOW TO READ THIS PARTS BOOK:

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	RB001025	1	Base Engine Assembly , 5.3L Direct Injection	
1	RB001026	1	Base Engine Assembly , 6.2L Direct Injection	

(1) ITEM NUMBER - This number corresponds with the number in the exploded view on the facing page.

(2) PART NUMBER - This is the designated part number for the particular component or assembly.

(3) QUANTITY - This refers to the number of pieces used.

(4) DESCRIPTION - This identifies what the component or assembly is.

(5) MODEL ID - This identifies a component or assembly that is unique to a specific engine model.

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Symbols shown throughout parts list are defined here or on the bottom of the individual parts list page.

AR = As Required

OPT = Optional

NSS = Not Serviced Separately

NA = Not Available

OS = Oversize

US = Undersize

NS = Not Shown

TBD = To Be Determined

NI = Not Illustrated

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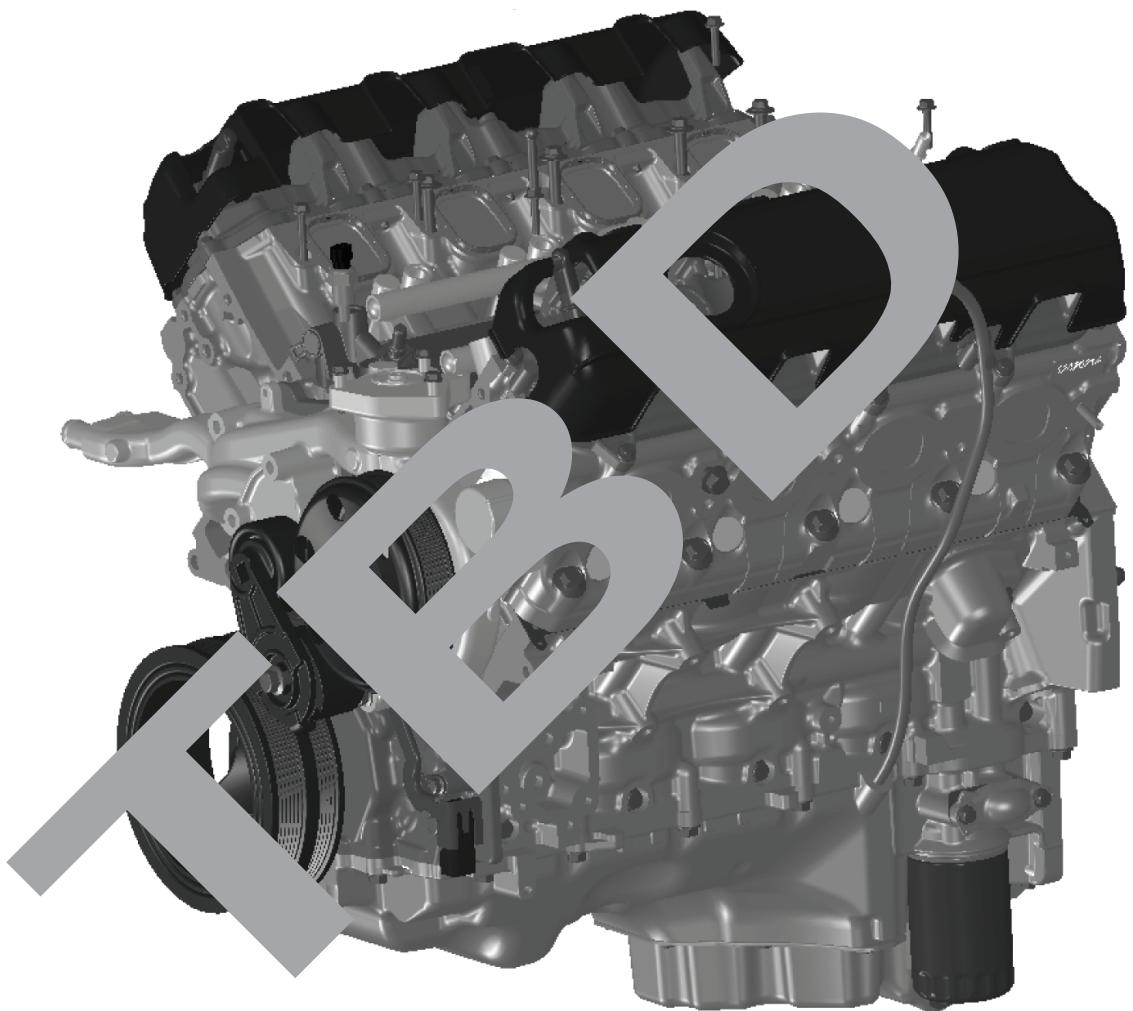
REPLACEMENT PARTS:**WARNING:**

Electrical, ignition and fuel system components on Pleasurecraft Marine Engines are designed and manufactured to comply with U.S. Coast Guard rules and regulations to minimize risks of fire or explosion. Use of replacement electrical, ignition and fuel system components which do not comply with these rules and regulations could result in a fire or explosion hazard and should be avoided.

MAINTENANCE ITEM PART NUMBERS:

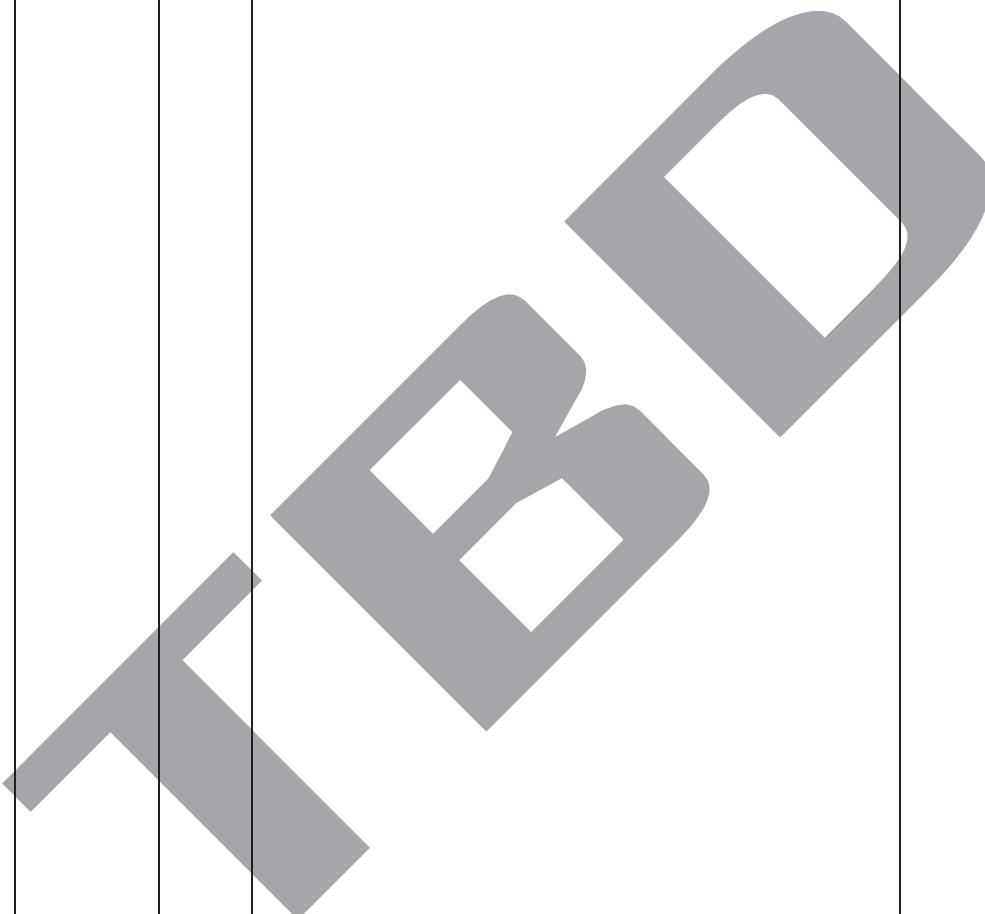
Description	Part Number
Oil Filter	R077001
Fuel Filter (FCC), Kit	RP080026
Fuel/ Water Seperator Element	R077019
Spark Plugs	RP030013
Spark Plug Wire Set	RK120025
Serpentine Drive Belt	R066040
Raw Water Pump Impeller Kit	RP061022
Thermostat (engine cooling - open cooling system)	R026010
Thermostat (engine cooling - coastal series cooling system)	R026007
Thermostat (exhaust cooling - coastal series application)	R026009A

CYLINDER BLOCK ASSEMBLY - FIGURE 1

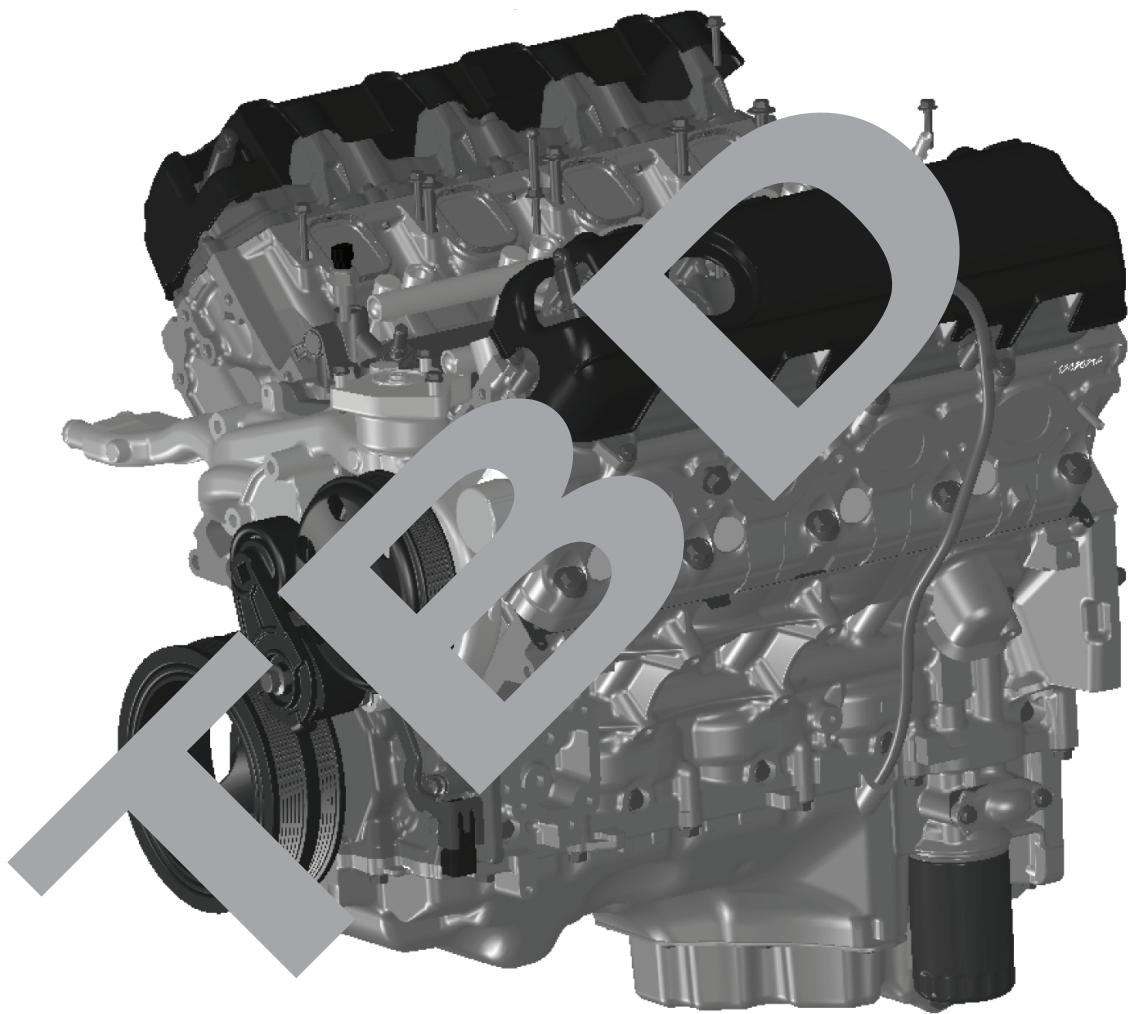


CYLINDER BLOCK ASSEMBLY - FIGURE 1

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
	RM0316	1	Gasket, Cartridge Water Pump	
	RM0317	2	Gasket, Circ. Pump to Block	
	RA057041	1	Cartridge, Water Pump 	



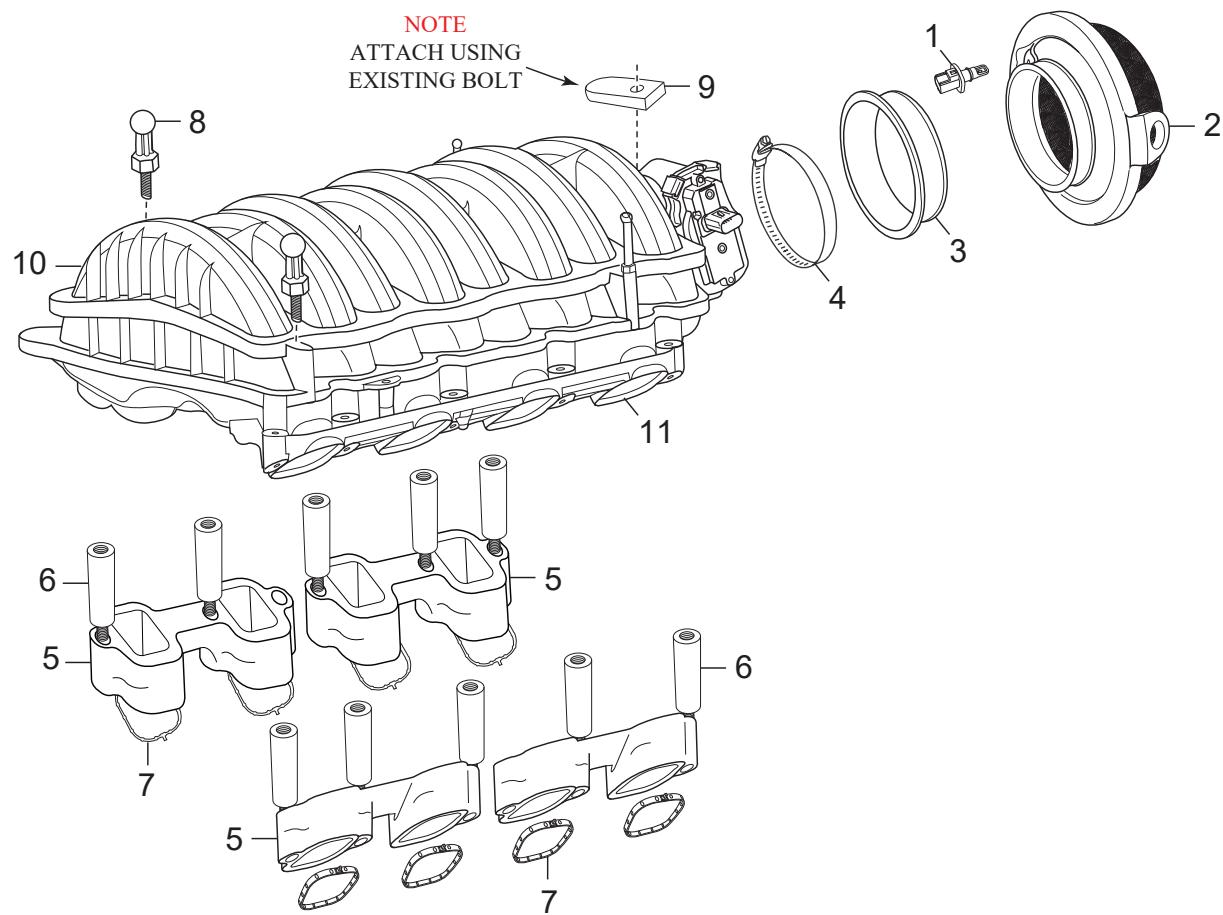
CYLINDER HEAD ASSEMBLY / FRONT COVER - FIGURE 2



CYLINDER HEAD ASSEMBLY / FRONT COVER - FIGURE 2

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID

INTAKE MANIFOLD COMPONENTS - FIGURE 3



INTAKE MANIFOLD COMPONENTS - FIGURE 3

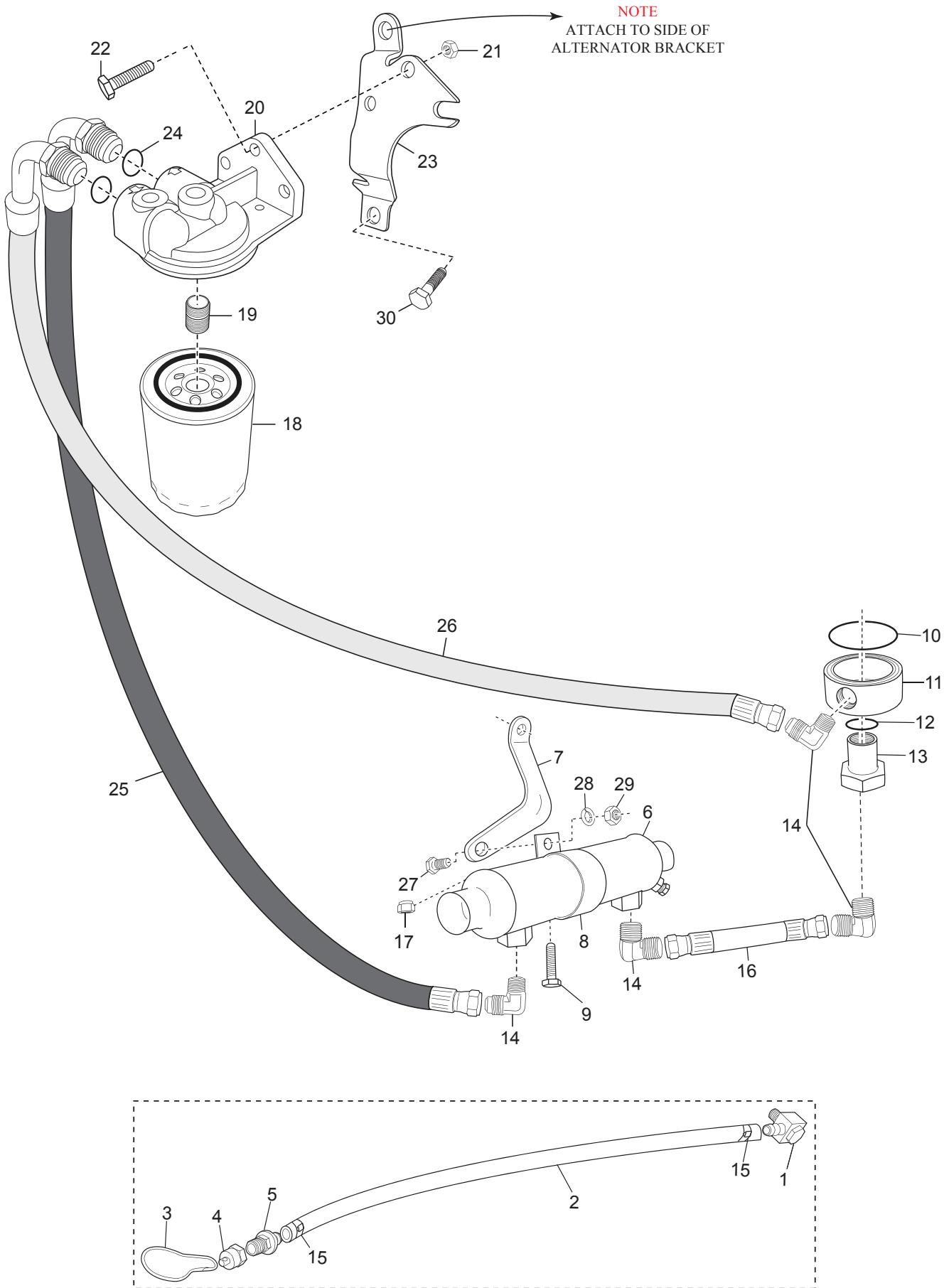
ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	R020063	1	Sensor , intake air temperature (IAT)	
2	R145029	1	Flame Arrestor	
3	R176028	1	Sleeve , flame arrestor to throttle body (H5 only)	
4	RS3857	1	Clamp , flame arrestor attaching	
5	R062099	4	Spacer , intake manifold	
6	R095045	10	Stud , intake manifold spacer attaching	
7	RM0306	8	Gasket , intake manifold spacer to cylinder head	
8	R095047	2	Stud , engine cover stand off	
9	R109058	1	Cover Plate	
10	TBD	1	Intake Manifold	
11	TBD	2	Gasket , intake manifold to spacers	



OIL PAN and OIL PUMP ASSEMBLY - FIGURE 4

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID

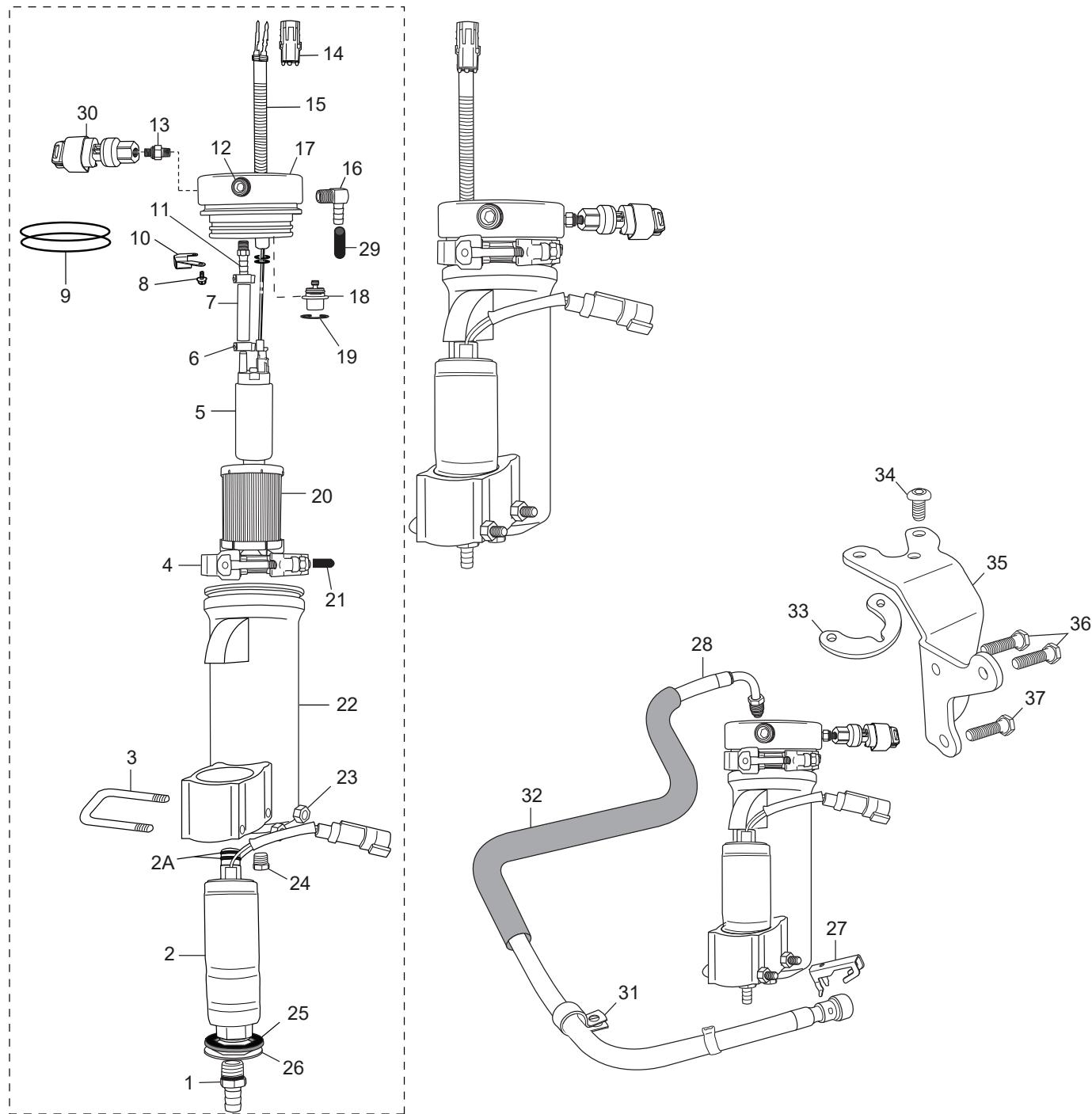
REMOTE OIL FILTER COMPONENTS - FIGURE 5



REMOTE OIL FILTER COMPONENTS - FIGURE 5

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	R024213	1	Fitting , oil drain hose 90 degree	
2	R045049	Bulk/ft	Hose , 3/8" oil resistant drain	
3	R190123	1	Clip , oil drain hose attaching	
4	R024066A	1	Cap , oil drain hose	
5	R024061	1	Fitting , oil drain hose straight	
6	R147049	1	Cooler , 9" oil	
7	R090404	1	Bracket , oil cooler	
8	R090010	1	Bracket , oil cooler strap	
9	RS0256	1	Bolt , oil cooler attaching	
10	R047240	1	Oring , ROF adapter	
11	R079067	1	Adapter , ROF	
12	R047202	1	Oring , ROF adapter	
13	R079075	1	Retainer , ROF adapter	
14	R024184	4	Fitting , 90 degree	
15	R127087C	2	Clamp , oetiker 23/32"	
16	RA045103D	1	Hose Assembly , oil cooler to ROF adapter	
17	RS2058	1	Nut , oil cooler attaching	
18	R077001	1	Filter , oil	
19	R024203	1	Nipple , ROF adapter	
20	R079066	1	Header , remote oil filter	
21	97330410	3	Nut , remote oil filter header attaching	
22	98333020	3	Bolt , remote oil filter header attaching	
23	R090419	1	Bracket , remote oil filter	
24	R047245	2	O-Ring , oil line	
25	RA045120H	1	Hose Assembly , oil filter header to oil cooler	
26	RA045120E	1	Hose Assembly , oil adapter to remote oil filter header	
27	RS0302	1	Bolt , oil cooler attaching	
28	RS2180	1	Lockwasher , oil cooler attaching	
29	RS1028	1	Nut , oil cooler attaching	
30	98447025	1	Bolt , oil filter header bracket attaching	

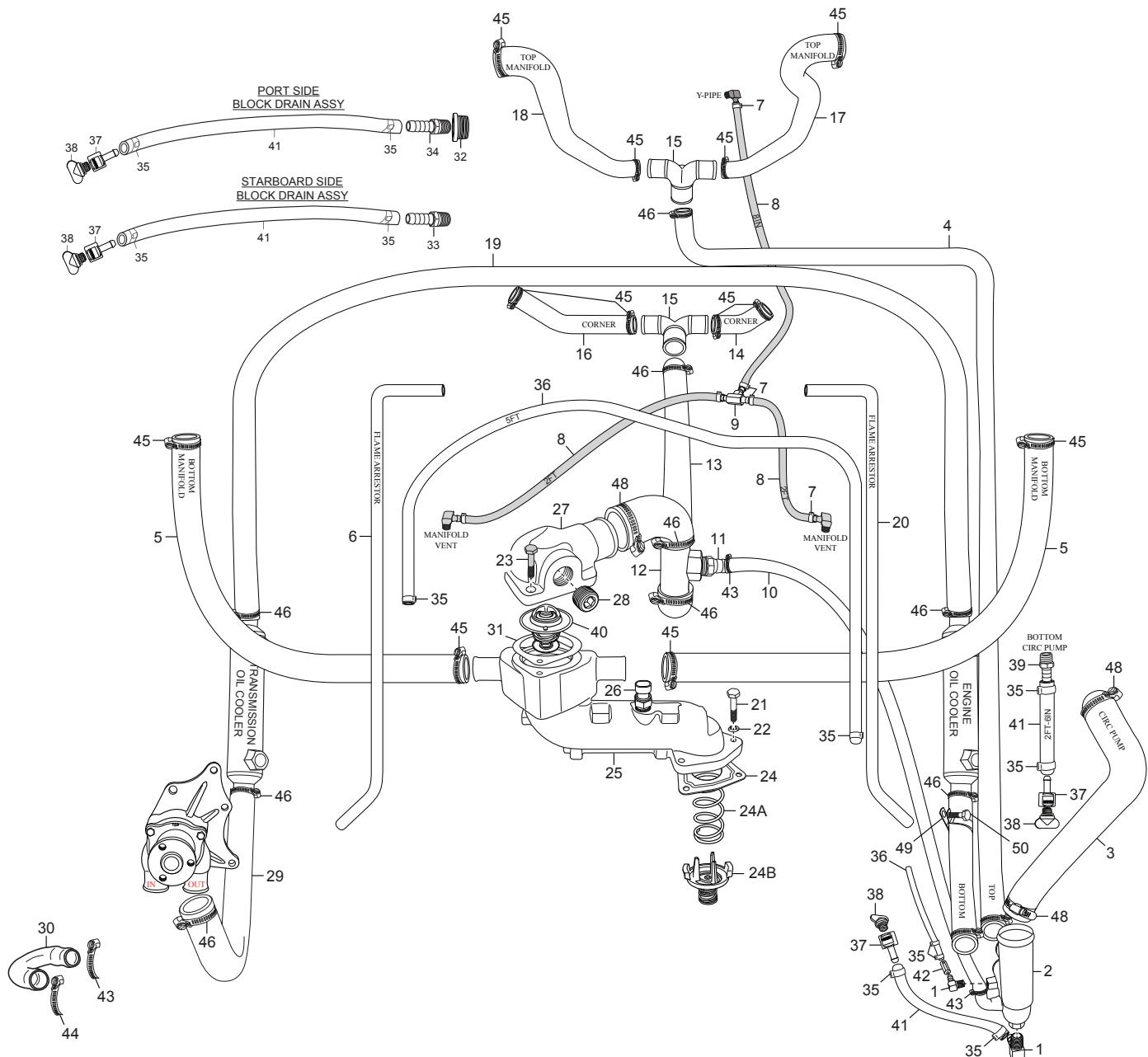
FUEL CONTROL CELL (FCC) COMPONENTS - FIGURE 6



FUEL CONTROL CELL (FCC) COMPONENTS - FIGURE 6

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	R024232	1	Fitting , LPFP to 3/8 Hose barb	
2	RA080032A	1	Fuel Pump , low-pressure	
2A	R047252	2	O'Ring , LPFP seal	
3	R127102	1	U-Bolt , low pressure fuel pump retaining	
4	R171010	1	Clamp , FCC bowl-to-head retaining	
5	RA080027	1	Pump , FCC high pressure fuel	
6	R127087	2	Clamp , Oeticker	
7	R045098B	1	Hose , FCC internal fuel	
8	91620025	2	Screw , self-tapping, baffle/harness retaining	
9	R047241	2	O'Ring , FCC bowl-to-head seal	
10	R012030	1	Baffle , fuel	
11	R024219	1	Fitting , FCC internal	
12	RS3550	1	Plug , FCC head	
13	R024269	1	Adapter , FCC fuel pressure sensor	
14	7172040	1	Connector , W/P 2-Way Female	
15	R1210085A	1	Harness , 1 piece, FCC high pressure fuel pump	
16	R024225	1	Fitting , 90 degree	
17	R079070C	1	Head , FCC	
18	R088004	1	Regulator , fuel pressure	
19	R048070	1	Retainer , fuel pressure regulator	
20	R080026	1	Filter , FCC	
21	RR128002	1	Cover , FCC clamp T-bolt	
22	R089008	1	Canister , FCC	
23	95004300	2	Nut , Nylock, low-pressure fuel pump retaining	
24	R069077	1	Plug , FCC drain	
25	R094045	1	Isolator , LPFP mounting	
26	R169064	AR	Shim , LPFP mounting, 11 gage	
26	R169064A	AR	Shim , LPFP mounting, 16 gage	
26	R169064B	AR	Shim , LPFP mounting, 22 gage	
27	R127100	1	Retainer , fuel line	
28	RA085106	1	Fuel Line Assembly , FCC to fuel rail	
29	45343	1	Cap , temporary barb	
30	R020061	1	Sensor , FCC fuel pressure	
31	R127050	1	Clamp , closed, coated	
32	R102004	Bulk/ft	Sheath , fuel line protectant	
33	R062100	1	Insulator , Fuel control cell	
34	90384100	3	Bolt , FCC attaching	
35	R090420	1	Bracket , fuel control cell	
36	98332025	2	Bolt , FCC bracket attaching	
37	98447025	1	Bolt , FCC bracket attaching	
NI	RP080026	1	Kit, Filter and O-Rings , FCC	

COOLING SYSTEM COMPONENTS (Open Loop Cooling - Direct Drive) - FIGURE 7



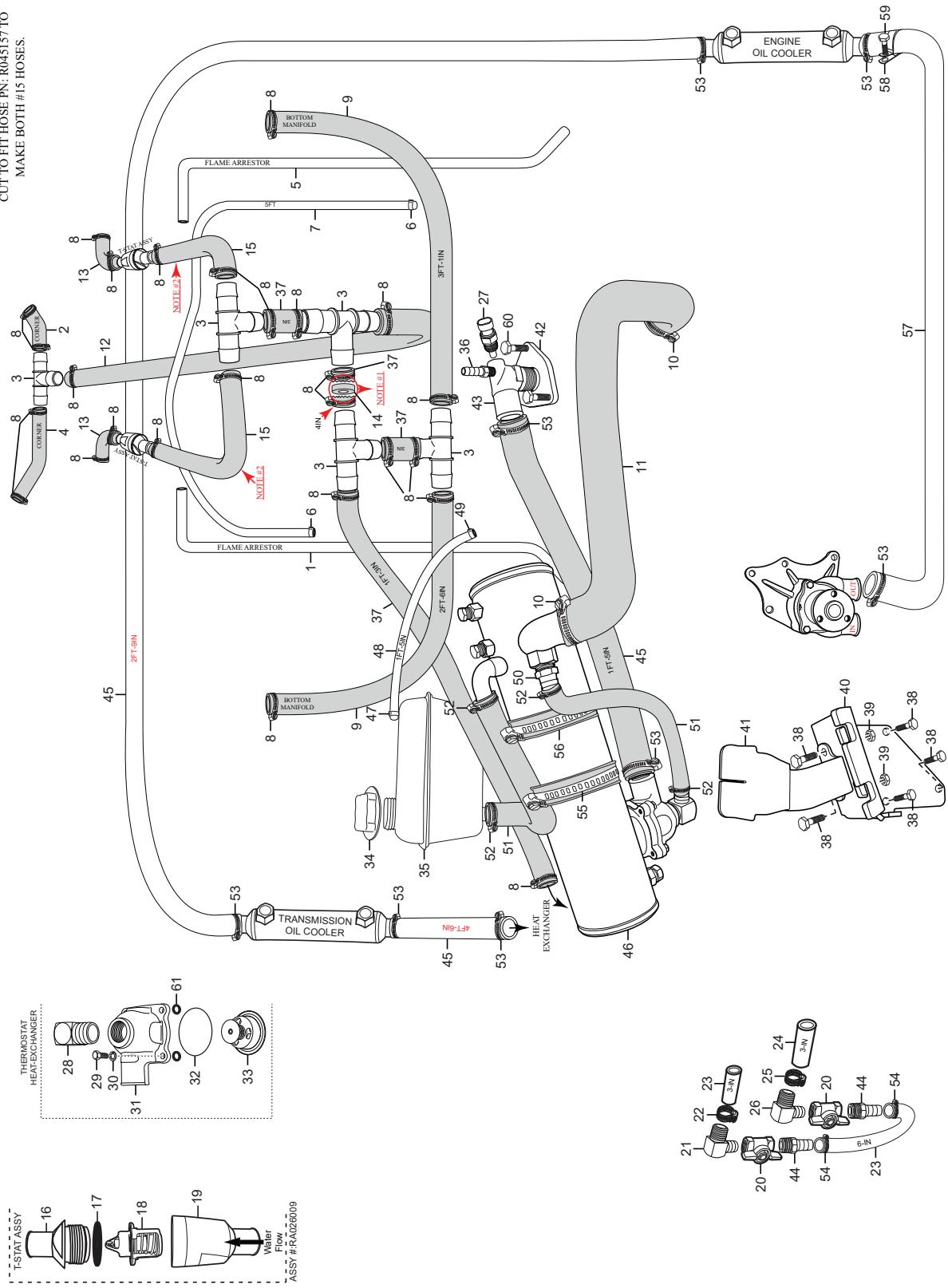
COOLING SYSTEM COMPONENTS (Open Loop Cooling - Direct Drive) - FIGURE 7

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	R024089	2	Fitting , 90 degree hose barb	
2	R024271	1	Fitting , raw water inlet	
3	R045231	1	Hose , raw water inlet fitting to circulation pump	
4	R045227	1	Hose , exhaust manifold outlet tee to raw water inlet fitting	
5	20866	Bulk/ft	Hose , wire reinforced 1" ID	
6	R045229	1	Hose , RH valve cover vent	
7	R127087A	6	Clamp , oetiker 1/2"	
8	R045132	Bulk/ft	Hose , 1/4"	
9	R024245	1	Fitting , tee (1/4" x 1/4" x 1/4") barb	
10	20806	Bulk/ft	Hose , 5/8" ID	
11	30645	1	Adapter , fitting	
12	R024249	1	Fitting , tee (1 1/4" x 1 1/4" x 1/2" NPTF)	
13	R045232	1	Hose , upper thermostat housing to exhaust corners tee	
14	R045237	1	Hose , left exhaust corner to tee	
15	R024054D	2	Fitting , tee (1" x 1" x 1 1/4")	
16	R045238	1	Hose , right exhaust corner to tee	
17	R045226	1	Hose , left exhaust manifold to tee	
18	R045225	1	Hose , right exhaust manifold to tee	
19	20865	Bulk/ft	Hose , wire reinforced 1 1/4" ID	
20	R045233	1	Hose , LH valve cover vent	
21	98223035	3	Bolt , lower thermostat housing attaching	
22	93920000	3	Lockwasher , lower thermostat housing attaching	
23	98222025	2	Bolt , upper thermostat housing attaching	
24	RM0305	1	Gasket , lower thermostat housing	
24A	TBD	1	Spring , pressure bypass valve retention	
24B	TBD	1	Valve , pressure bypass	
25	R025048	1	Housing , lower thermostat	
26	R020019	1	Sensor , engine coolant temperature	
27	R025049A	1	Housing , upper thermostat	
28	444705	1	Plug , 1/2" pipe	
29	18402	1	Hose , raw water pump to transmission cooler	
30	R045210	1	Hose , circulation pump utube	
31	RM0275	1	Gasket , upper thermostat housing	
32	R069076A	1	Plug , engine block drain	
33	R024265	1	Fitting , engine block drain	
34	R024107	1	Fitting , adapter barb	
35	R127087C	11	Clamp , oetiker 23/32"	
36	R045049	Bulk/ft	Hose , 3/8" drain	
37	R024275	4	Fitting , drain hose	
38	R069078	4	Plug , drain hose	
39	R024103	1	Fitting , circulation pump drain hose	
40	R026010	1	Thermostat , engine coolant	
41	R045244	Bulk/ft	Hose , blue drain	
42	R012032	1	Orifice , 1/8" drain	
43	RS3864	3	Clamp , hose #8 (5/8")	
44	RS3865	1	Clamp , hose #10 (3/4")	
45	RS3851	12	Clamp , hose #16 (1")	
46	RS3858	11	Clamp , hose #20 (1 1/4")	
47	RS3868	3	Clamp , hose #24 (1 1/2")	
48	R127103	1	Clamp , closed, coated	
49	20866	Bulk/ft	Hose , 1" wire reinforced	
50	98222016	1	Bolt , attaching	

COOLING SYSTEM COMPONENTS (Coastal Series Cooling - Version 1 - Direct Drive) - FIGURE 7A

NOTE #1: DOUBLE CHECK TO BE SURE THAT THE ORIFICE TUBE WAS INSERTED INTO HOSE PRIOR TO HOSE ASSEMBLY. VERIFIED BY THREE WHITE DOTS STAMPED ON THE HOSE & ALSO BY FEELING IT IN THE HOSE.

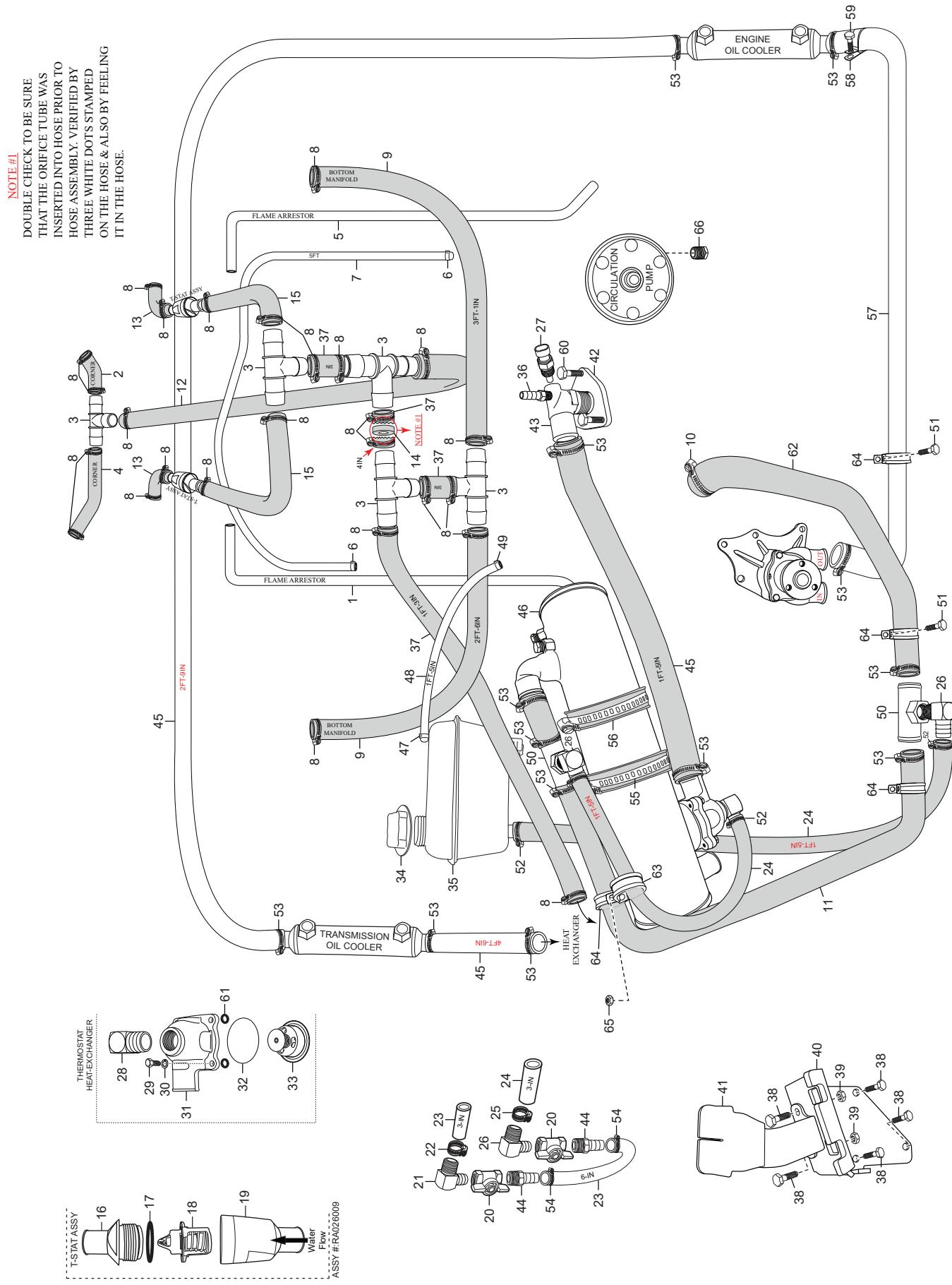
NOTE #2
CUT TO FIT HOSE PN: R045157 TO
MAKE BOTH #15 HOSES.



COOLING SYSTEM COMPONENTS (Coastal Series Cooling - Version 1 - Direct Drive) - FIGURE 7A

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	R045229	1	Hose , RH valve cover vent	
2	R045237	1	Hose , left exhaust corner to tee	
3	R024028C	5	Fitting , tee 1"x 1" x 1"	
4	R045238	1	Hose , right exhaust corner to tee	
5	R045233	1	Hose , LH valve cover vent	
6	R127087C	2	Clamp , oetiker 23/32"	
7	R045049	Bulk/ft	Hose , 3/8"	
8	RS3851	26	Clamp , hose #16 (1")	
9	20866	Bulk/ft	Hose , 1" ID	
10	RS3868	2	Clamp , hose #24 (1 1/2")	
11	R045148	1	Hose , thermostat housing to heat exchanger	
12	R045157A	1	Hose , exhaust corner tee to tee	
13	R045151	2	Hose , heat exchanger to right exhaust manifold	
14	R012031	1	Tube , orifice	
15	R045157	1	Hose , heat exchanger return	
16	R025047A	2	Housing , thermostat outlet	
17	R047260	2	O-ring , exhaust thermostat housing viton	
18	R026009A	2	Thermostat , exhaust cooling system	
19	R025046A	2	Housing , exhaust thermostat	
20	R035039A	2	Valve , ball	
21	R024126	1	Elbow , 1/2" NPT x 5/8" hose	
22	R127087F	2	Clamp , oetiker 1"	
23	20806	Bulk/ft	Hose , 5/8" ID	
24	R045153	Bulk/ft	Hose , 3/4" ID	
25	R127087G	2	Clamp , oetiker	
26	R024070	1	Elbow , 1/2" NPT x 3/4" hose	
27	R020019	1	Sensor , engine coolant temperature	
28	R024246	1	Fitting , 3/4" NPT x 3/4" hose	
29	98223016	4	Bolt , thermostat housing attaching	
30	93920000	4	Lockwasher , thermostat housing attaching	
31	R025045	1	Housing , thermostat	
32	R047256	1	Oring , thermostat housing	
33	R026007	1	Thermostat , engine cooling	
34	R034045	1	Cap , degas bottle	
35	R146001	1	Bottle , degas	
36	R024160	1	Fitting , 1/8" NPT x 1/4" hose	
37	R045107	Bulk/ft	Hose , 1" ID x 1 3/8" OD	
38	98447025	5	Bolt , heat exchanger/degas bottle bracket attaching	
39	97440300	2	Nut , degas bottle bracket attaching	
40	R090452	1	Bracket , heat exchanger	
41	R090450	1	Bracket , degas bottle	
42	R109066	1	Plate , circulation pump adapter	
43	R024277	1	Fitting , 1" NPT x 3/8" NPT x 1 1/4" hose tee	
44	30645	1	Adapter , 1/2" MP x 5/8" hose barb	
45	20865	Bulk/ft	Hose , wire reinforced 1 1/4" ID	
46	RA147058	1	Heat Exchanger	
47	R127087	1	Clamp , oetiker (5/8")	
48	R045132	Bulk/ft	Hose , bulk 1/4"	
49	R127087A	1	Clamp , oetiker (1/2")	
50	R024069	1	Connector , 1/2" NPT x 3/4" hose	
51	R045164A	2	Hose , thermostat housing to heat exchanger	
52	RS3854	4	Clamp , hose #12 (7/8")	
53	RS3858	8	Clamp , hose #20 (1 1/4")	
54	RS3864	2	Clamp , hose #8 (5/8")	
55	R171009	2	Clamp , heat exchanger attaching	
56	R094052	Bulk/ft	Isolator , heat exchanger attaching	
57	R045234	1	Hose , raw water pump to cooler	
58	R127103	1	Clamp , closed, coated	
59	98222016	1	Bolt , clamp attaching	
60	98222025	3	Bolt , circulation pump adapter plate attaching	
61	R047243	4	Oring , thermostat housing attaching	

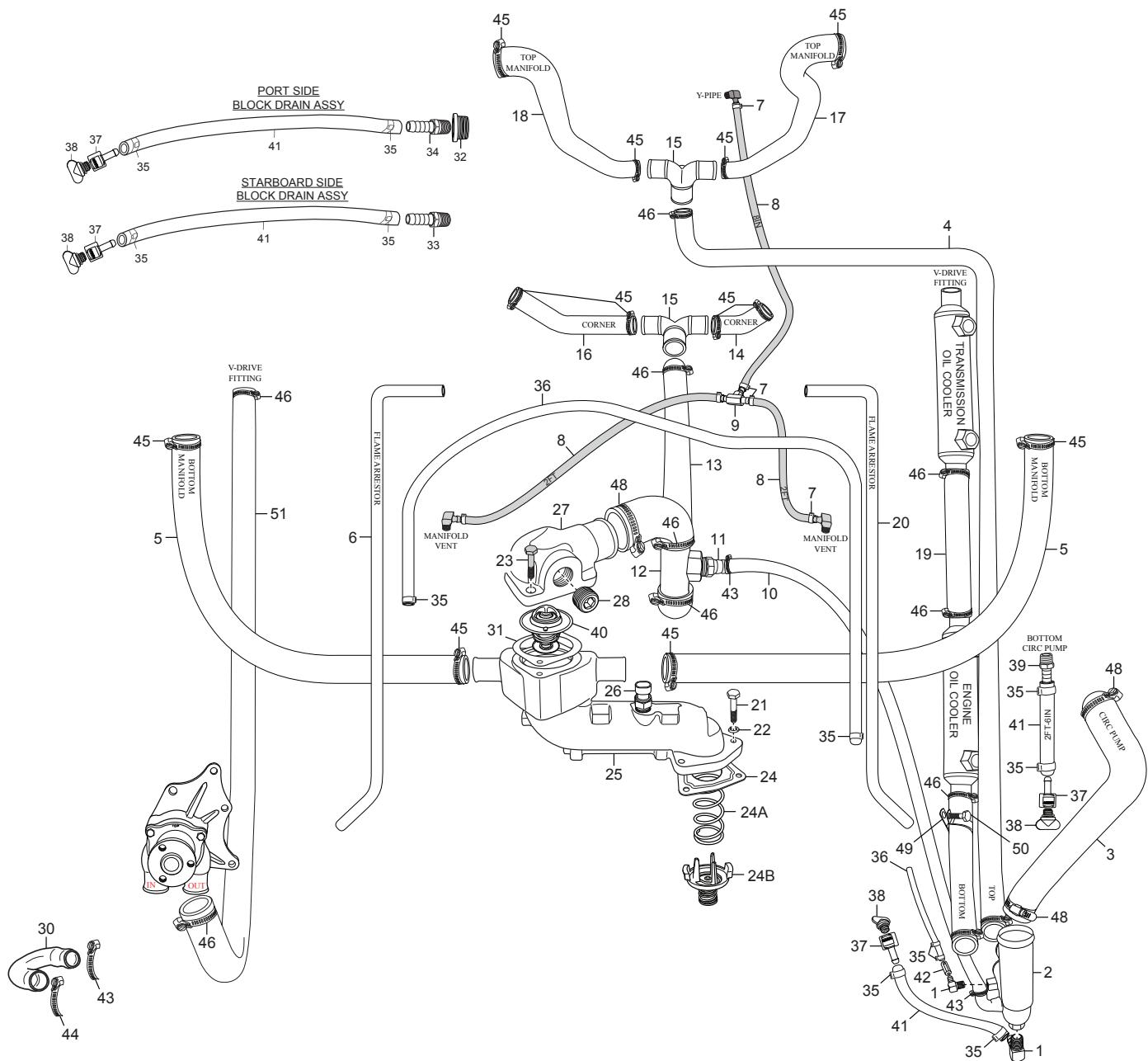
COOLING SYSTEM COMPONENTS (Coastal Series Cooling - Version 2 - Direct Drive) - FIGURE 7B



COOLING SYSTEM COMPONENTS (Coastal Series Cooling - Version 2 - Direct Drive) - FIGURE 7B

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	R045229	1	Hose , RH valve cover vent	
2	R045237	1	Hose , left exhaust corner to tee	
3	R024028C	5	Fitting , tee 1"x 1" x 1"	
4	R045238	1	Hose , right exhaust corner to tee	
5	R045233	1	Hose , LH valve cover vent	
6	R127087C	2	Clamp , oetiker 23/32"	
7	R045049	Bulk/ft	Hose , 3/8"	
8	RS3851	26	Clamp , hose #16 (1")	
9	20866	Bulk/ft	Hose , 1" ID	
10	RS3868	2	Clamp , hose #24 (1 1/2")	
11	R045247	1	Hose , heat exchanger to circulation pump (2 of 2)	
12	R045157A	1	Hose , exhaust corner tee to tee	
13	R045151	2	Hose , heat exchanger to right exhaust manifold	
14	R012031	1	Tube , orifice	
15	R045209	2	Hose , tee to exhaust thermostat housing	
16	R025047A	2	Housing , thermostat outlet	
17	R047260	2	O-ring , exhaust thermostat housing viton	
18	R026009A	2	Thermostat , exhaust cooling system	
19	R025046A	2	Housing , exhaust thermostat	
20	R035039A	2	Valve , ball	
21	R024126	1	Elbow , 1/2" NPT x 5/8" hose	
22	R127087F	2	Clamp , oetiker 1"	
23	20806	Bulk/ft	Hose , 5/8" ID	
24	R045153	Bulk/ft	Hose , 3/4" ID	
25	R127087G	2	Clamp , oetiker	
26	R024070	1	Elbow , 1/2" NPT x 3/4" hose	
27	R020019	1	Sensor , engine coolant temperature	
28	R024246	1	Fitting , 3/4" NPT x 3/4" hose	
29	98223016	4	Bolt , thermostat housing attaching	
30	93920000	4	Lockwasher , thermostat housing attaching	
31	R025045	1	Housing , thermostat	
32	R047256	1	Oring , thermostat housing	
33	R026007	1	Thermostat , engine cooling	
34	R034045	1	Cap , degas bottle	
35	R146001	1	Bottle , degas	
36	R024160	1	Fitting , 1/8" NPT x 1/4" hose	
37	R045107	Bulk/ft	Hose , 1" ID x 1 3/8" OD	
38	98447025	5	Bolt , heat exchanger/degas bottle bracket attaching	
39	97440300	2	Nut , degas bottle bracket attaching	
40	R090452	1	Bracket , heat exchanger	
41	R090450	1	Bracket , degas bottle	
42	R109066	1	Plate , circulation pump adapter	
43	R024277	1	Fitting , 1" NPT x 3/8" NPT x 1 1/4" hose tee	
44	30645	1	Adapter , 1/2" MP x 5/8" hose barb	
45	20865	Bulk/ft	Hose , wire reinforced 1 1/4" ID	
46	RA147058A	1	Heat Exchanger , version 2	
47	R127087	1	Clamp , oetiker (5/8")	
48	R045132	Bulk/ft	Hose , bulk 1/4"	
49	R127087A	1	Clamp , oetiker (1/2")	
50	R024249	2	Fitting , 1 1/4" hose x 1/2 NPTF	
51	98335020	2	Bolt , clamp attaching	
52	RS3854	4	Clamp , hose #12 (7/8")	
53	RS3858	8	Clamp , hose #20 (1 1/4")	
54	RS3864	2	Clamp , hose #8 (5/8")	
55	R171009	2	Clamp , heat exchanger attaching	
56	R094052	Bulk/ft	Isolator , heat exchanger attaching	
57	R045234	1	Hose , raw water pump to cooler	
58	R127103	1	Clamp , closed, coated	
59	98222016	1	Bolt , clamp attaching	
60	98222025	3	Bolt , circulation pump adapter plate attaching	
61	R047243	4	Oring , thermostat housing attaching	
62	R045246	1	Hose , heat exchanger to circulation pump (1 of 2)	
63	R127106	1	Clamp , hose support	
64	R127107	4	Clamp , hose support	
65	RS2060	1	Nut , nylock	
66	RS3554	1	Plug , 1/8" pipe	

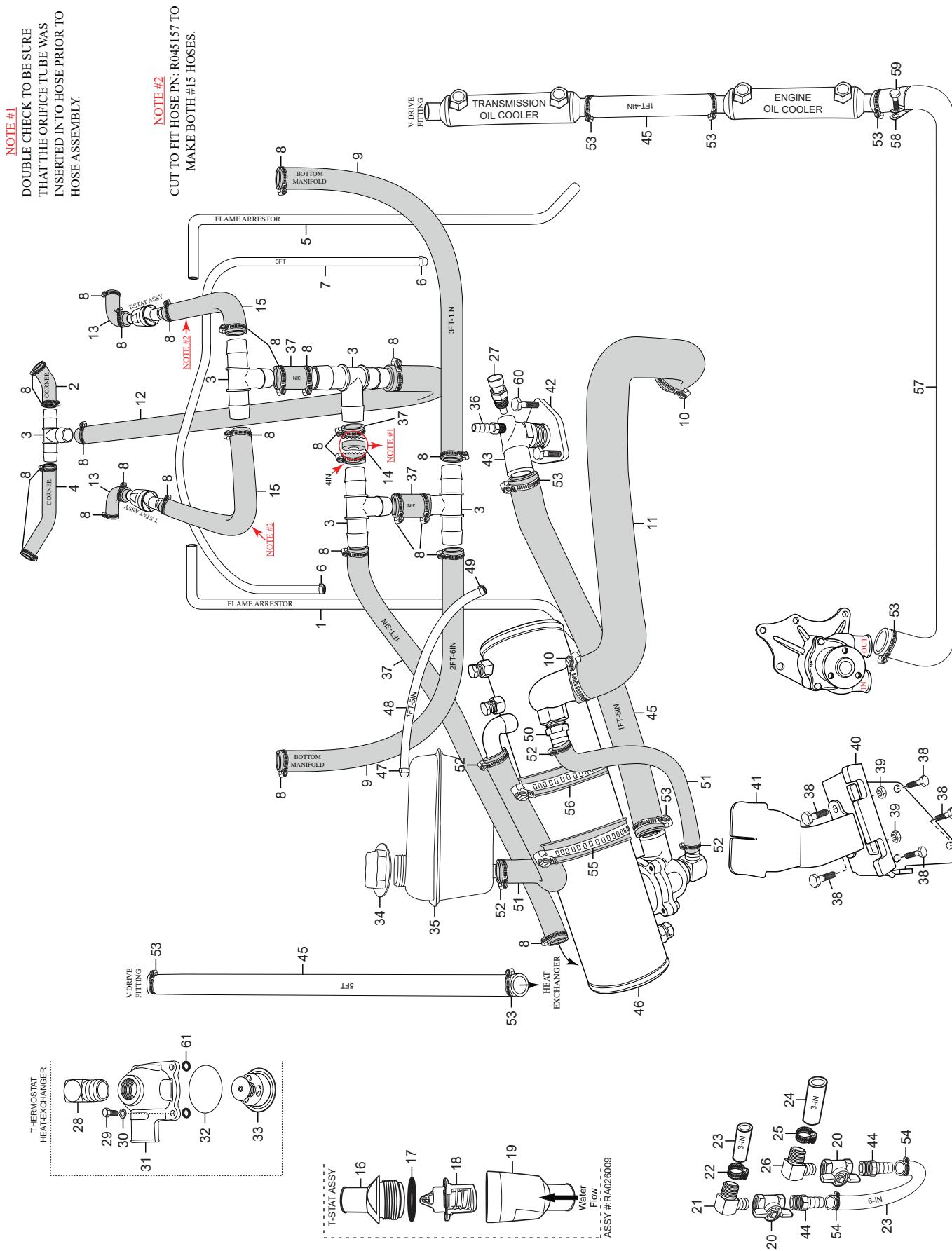
COOLING SYSTEM COMPONENTS (Open Loop Cooling - VDrive) - FIGURE 8



COOLING SYSTEM COMPONENTS (Open Loop Cooling - VDrive) - FIGURE 8

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	R024089	2	Fitting , 90 degree hose barb	
2	R024271	1	Fitting , raw water inlet	
3	R045231	1	Hose , raw water inlet fitting to circulation pump	
4	R045227	1	Hose , exhaust manifold outlet tee to raw water inlet fitting	
5	20866	Bulk/ft	Hose , wire reinforced 1" ID	
6	R045229	1	Hose , RH valve cover vent	
7	R127087A	6	Clamp , oetiker 1/2"	
8	R045132	Bulk/ft	Hose , 1/4"	
9	R024245	1	Fitting , tee (1/4" x 1/4" x 1/4") barb	
10	20806	Bulk/ft	Hose , 5/8" ID	
11	30645	1	Adapter , fitting	
12	R024249	1	Fitting , tee (1 1/4" x 1 1/4" x 1/2" NPTF)	
13	R045232	1	Hose , upper thermostat housing to exhaust corners tee	
14	R045237	1	Hose , left exhaust corner to tee	
15	R024054D	2	Fitting , tee (1" x 1" x 1 1/4")	
16	R045238	1	Hose , right exhaust corner to tee	
17	R045226	1	Hose , left exhaust manifold to tee	
18	R045225	1	Hose , right exhaust manifold to tee	
19	20865	Bulk/ft	Hose , wire reinforced 1 1/4" ID	
20	R045233	1	Hose , LH valve cover vent	
21	98223035	3	Bolt , lower thermostat housing attaching	
22	93920000	3	Lockwasher , lower thermostat housing attaching	
23	98222025	2	Bolt , upper thermostat housing attaching	
24	RM0305	1	Gasket , lower thermostat housing	
24A	TBD	1	Spring , pressure bypass valve retention	
24B	TBD	1	Valve , pressure bypass	
25	R025048	1	Housing , lower thermostat	
26	R020019	1	Sensor , engine coolant temperature	
27	R025049A	1	Housing , upper thermostat	
28	444705	1	Plug , 1/2" pipe	
29	18402	1	Hose , raw water pump to transmission cooler	
30	R045210	1	Hose , circulation pump utube	
31	RM0275	1	Gasket , upper thermostat housing	
32	R069076A	1	Plug , engine block drain	
33	R024265	1	Fitting , engine block drain	
34	R024107	1	Fitting , adapter barb	
35	R127087C	11	Clamp , oetiker 23/32"	
36	R045049	Bulk/ft	Hose , 3/8" drain	
37	R024275	4	Fitting , drain hose	
38	R069078	4	Plug , drain hose	
39	R024103	1	Fitting , circulation pump drain hose	
40	R026010	1	Thermostat , engine coolant	
41	R045244	Bulk/ft	Hose , blue drain	
42	R012032	1	Orifice , 1/8" drain	
43	RS3864	3	Clamp , hose #8 (5/8")	
44	RS3865	1	Clamp , hose #10 (3/4")	
45	RS3851	12	Clamp , hose #16 (1")	
46	RS3858	11	Clamp , hose #20 (1 1/4")	
47	RS3868	3	Clamp , hose #24 (1 1/2")	
48	R127103	1	Clamp , closed, coated	
49	20866	Bulk/ft	Hose , 1" wire reinforced	
50	98222016	1	Bolt , attaching	
51	R045236	1	Hose , raw water pump to VDrive	

COOLING SYSTEM COMPONENTS (Coastal Series Cooling - Version 1 - VDrive) - FIGURE 8A

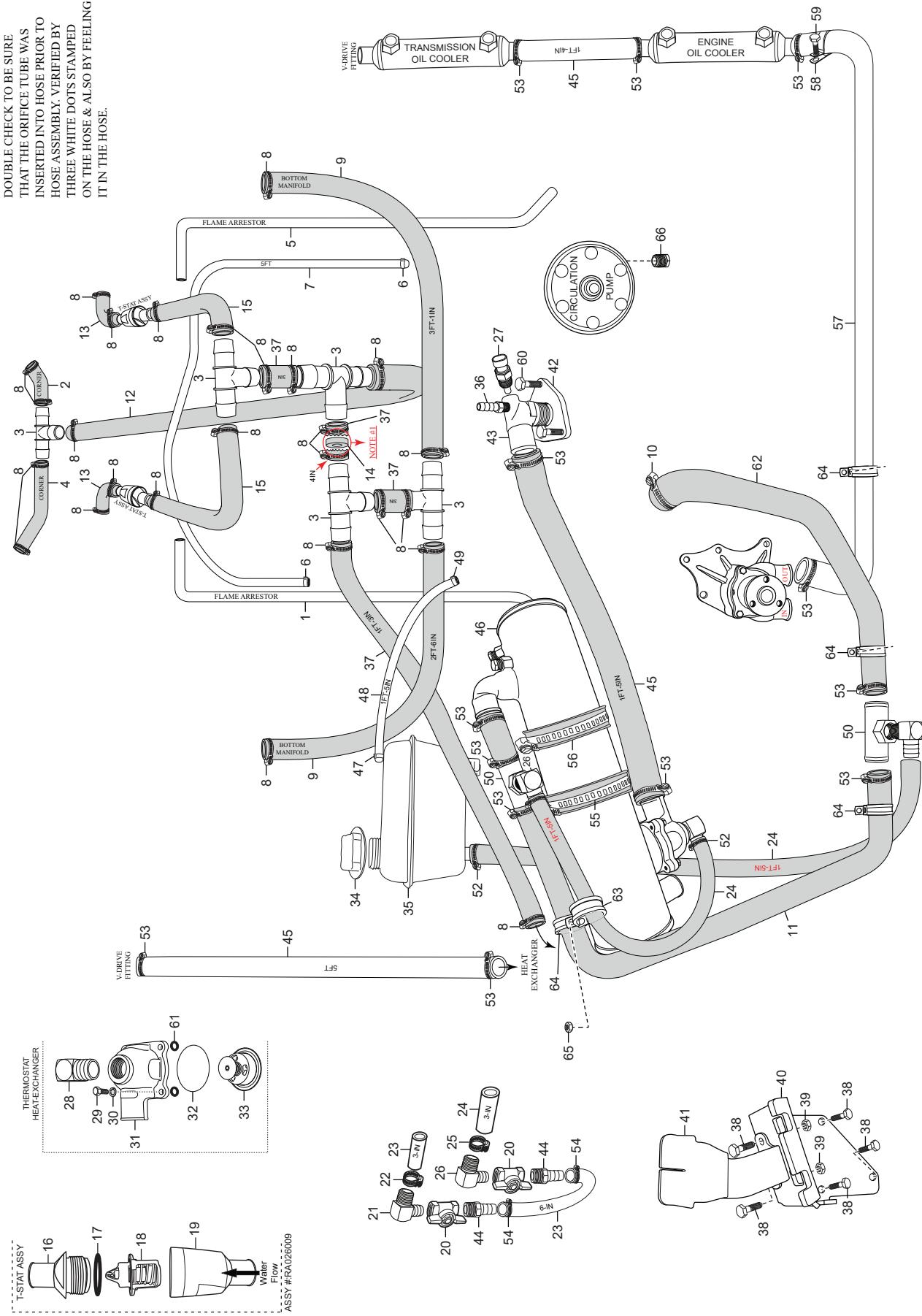


COOLING SYSTEM COMPONENTS (Coastal Series Cooling - Version 1 - VDrive) - FIGURE 8A

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	R045229	1	Hose , RH valve cover vent	
2	R045237	1	Hose , left exhaust corner to tee	
3	R024028C	5	Fitting , tee 1"x 1" x 1"	
4	R045238	1	Hose , right exhaust corner to tee	
5	R045233	1	Hose , LH valve cover vent	
6	R127087C	2	Clamp , oetiker 23/32"	
7	R045049	Bulk/ft	Hose , 3/8"	
8	RS3851	26	Clamp , hose #16 (1")	
9	20866	Bulk/ft	Hose , 1" ID	
10	RS3868	2	Clamp , hose #24 (1 1/2")	
11	R045148	1	Hose , thermostat housing to heat exchanger	
12	R045157A	1	Hose , exhaust corner tee to tee	
13	R045151	2	Hose , heat exchanger to right exhaust manifold	
14	R012031	1	Tube , orifice	
15	R045157	1	Hose , heat exchanger return	
16	R025047A	2	Housing , thermostat outlet	
17	R047260	2	O-ring , exhaust thermostat housing viton	
18	R026009A	2	Thermostat , exhaust cooling system	
19	R025046A	2	Housing , exhaust thermostat	
20	R035039A	2	Valve , ball	
21	R024126	1	Elbow , 1/2" NPT x 5/8" hose	
22	R127087F	2	Clamp , oetiker 1"	
23	20806	Bulk/ft	Hose , 5/8" ID	
24	R045153	Bulk/ft	Hose , 3/4" ID	
25	R127087G	2	Clamp , oetiker	
26	R024070	1	Elbow , 1/2" NPT x 3/4" hose	
27	R020019	1	Sensor , engine coolant temperature	
28	R024246	1	Fitting , 3/4" NPT x 3/4" hose	
29	98223016	4	Bolt , thermostat housing attaching	
30	93920000	4	Lockwasher , thermostat housing attaching	
31	R025045	1	Housing , thermostat	
32	R047256	1	Oring , thermostat housing	
33	R026007	1	Thermostat , engine cooling	
34	R034045	1	Cap , degas bottle	
35	R146001	1	Bottle , degas	
36	R024160	1	Fitting , 1/8" NPT x 1/4" hose	
37	R045107	Bulk/ft	Hose , 1" ID x 1 3/8" OD	
38	98447025	5	Bolt , heat exchanger/degas bottle bracket attaching	
39	97440300	2	Nut , degas bottle bracket attaching	
40	R090452	1	Bracket , heat exchanger	
41	R090450	1	Bracket , degas bottle	
42	R109066	1	Plate , circulation pump adapter	
43	R024277	1	Fitting , 1" NPT x 3/8" NPT x 1 1/4" hose tee	
44	30645	1	Adapter , 1/2" MP x 5/8" hose barb	
45	20865	Bulk/ft	Hose , wire reinforced 1 1/4" ID	
46	RA147058	1	Heat Exchanger	
47	R127087	1	Clamp , oetiker (5/8")	
48	R045132	Bulk/ft	Hose , bulk 1/4"	
49	R127087A	1	Clamp , oetiker (1/2")	
50	R024069	1	Connector , 1/2" NPT x 3/4" hose	
51	R045164A	2	Hose , thermostat housing to heat exchanger	
52	RS3854	4	Clamp , hose #12 (7/8")	
53	RS3858	8	Clamp , hose #20 (1 1/4")	
54	RS3864	2	Clamp , hose #8 (5/8")	
55	R171009	2	Clamp , heat exchanger attaching	
56	R094052	Bulk/ft	Isolator , heat exchanger attaching	
57	R045234	1	Hose , raw water pump to cooler	
58	R127103	1	Clamp , closed, coated	
59	98222016	1	Bolt , clamp attaching	
60	98222025	3	Bolt , circulation pump adapter plate attaching	
61	R047243	4	Oring , thermostat housing attaching	

COOLING SYSTEM COMPONENTS (Coastal Series Cooling - Version 2 - VDrive) - FIGURE 8B

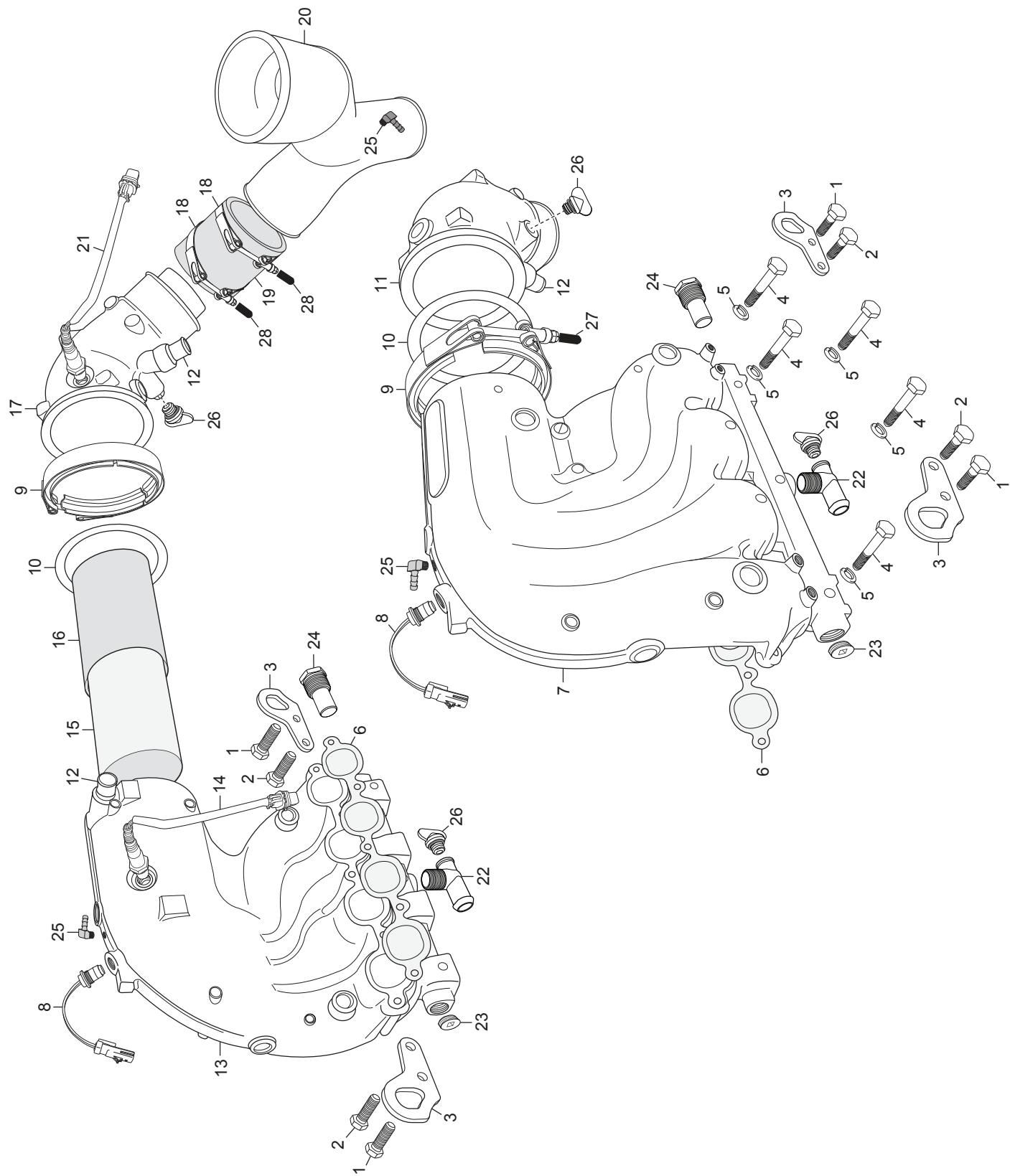
NOTE #1: DOUBLE CHECK TO BE SURE THAT THE ORIFICE TUBE WAS INSERTED INTO HOSE PRIOR TO HOSE ASSEMBLY. VERIFIED BY THREE WHITE DOTS STAMPED ON THE HOSE & ALSO BY FEELING IT IN THE HOSE.



COOLING SYSTEM COMPONENTS (Coastal Series Cooling - Version 2 - VDrive) - FIGURE 8B

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	R045229	1	Hose , RH valve cover vent	
2	R045237	1	Hose , left exhaust corner to tee	
3	R024028C	5	Fitting , tee 1"x 1" x 1"	
4	R045238	1	Hose , right exhaust corner to tee	
5	R045233	1	Hose , LH valve cover vent	
6	R127087C	2	Clamp , oetiker 23/32"	
7	R045049	Bulk/ft	Hose , 3/8"	
8	RS3851	26	Clamp , hose #16 (1")	
9	20866	Bulk/ft	Hose , 1" ID	
10	RS3868	2	Clamp , hose #24 (1 1/2")	
11	R045247	1	Hose , heat exchanger to circulation pump (2 of 2)	
12	R045157A	1	Hose , exhaust corner tee to tee	
13	R045151	2	Hose , heat exchanger to right exhaust manifold	
14	R012031	1	Tube , orifice	
15	R045209	2	Hose , tee to exhaust thermostat housing	
16	R025047A	2	Housing , thermostat outlet	
17	R047260	2	O-ring , exhaust thermostat housing viton	
18	R026009A	2	Thermostat , exhaust cooling system	
19	R025046A	2	Housing , exhaust thermostat	
20	R035039A	2	Valve , ball	
21	R024126	1	Elbow , 1/2" NPT x 5/8" hose	
22	R127087F	2	Clamp , oetiker 1"	
23	20806	Bulk/ft	Hose , 5/8" ID	
24	R045153	Bulk/ft	Hose , 3/4" ID	
25	R127087G	2	Clamp , oetiker	
26	R024070	1	Elbow , 1/2" NPT x 3/4" hose	
27	R020019	1	Sensor , engine coolant temperature	
28	R024246	1	Fitting , 3/4" NPT x 3/4" hose	
29	98223016	4	Bolt , thermostat housing attaching	
30	93920000	4	Lockwasher , thermostat housing attaching	
31	R025045	1	Housing , thermostat	
32	R047256	1	Oring , thermostat housing	
33	R026007	1	Thermostat , engine cooling	
34	R034045	1	Cap , degas bottle	
35	R146001	1	Bottle , degas	
36	R024160	1	Fitting , 1/8" NPT x 1/4" hose	
37	R045107	Bulk/ft	Hose , 1" ID x 1 3/8" OD	
38	98447025	5	Bolt , heat exchanger/degas bottle bracket attaching	
39	97440300	2	Nut , degas bottle bracket attaching	
40	R090452	1	Bracket , heat exchanger	
41	R090450	1	Bracket , degas bottle	
42	R109066	1	Plate , circulation pump adapter	
43	R024277	1	Fitting , 1" NPT x 3/8" NPT x 1 1/4" hose tee	
44	30645	1	Adapter , 1/2" MP x 5/8" hose barb	
45	20865	Bulk/ft	Hose , wire reinforced 1 1/4" ID	
46	RA147058A	1	Heat Exchanger , version 2	
47	R127087	1	Clamp , oetiker (5/8")	
48	R045132	Bulk/ft	Hose , bulk 1/4"	
49	R127087A	1	Clamp , oetiker (1/2")	
50	R024249	2	Fitting , 1 1/4" hose x 1/2 NPTF	
51	98335020	2	Bolt , clamp attaching	
52	RS3854	4	Clamp , hose #12 (7/8")	
53	RS3858	8	Clamp , hose #20 (1 1/4")	
54	RS3864	2	Clamp , hose #8 (5/8")	
55	R171009	2	Clamp , heat exchanger attaching	
56	R094052	Bulk/ft	Isolator , heat exchanger attaching	
57	R045234	1	Hose , raw water pump to cooler	
58	R127103	1	Clamp , closed, coated	
59	98222016	1	Bolt , clamp attaching	
60	98222025	3	Bolt , circulation pump adapter plate attaching	
61	R047243	4	Oring , thermostat housing attaching	
62	R045246	1	Hose , heat exchanger to circulation pump (1 of 2)	
63	R127106	1	Clamp , hose support	
64	R127107	4	Clamp , hose support	
65	RS2060	1	Nut , nylock	
66	RS3554	1	Plug , 1/8" pipe	

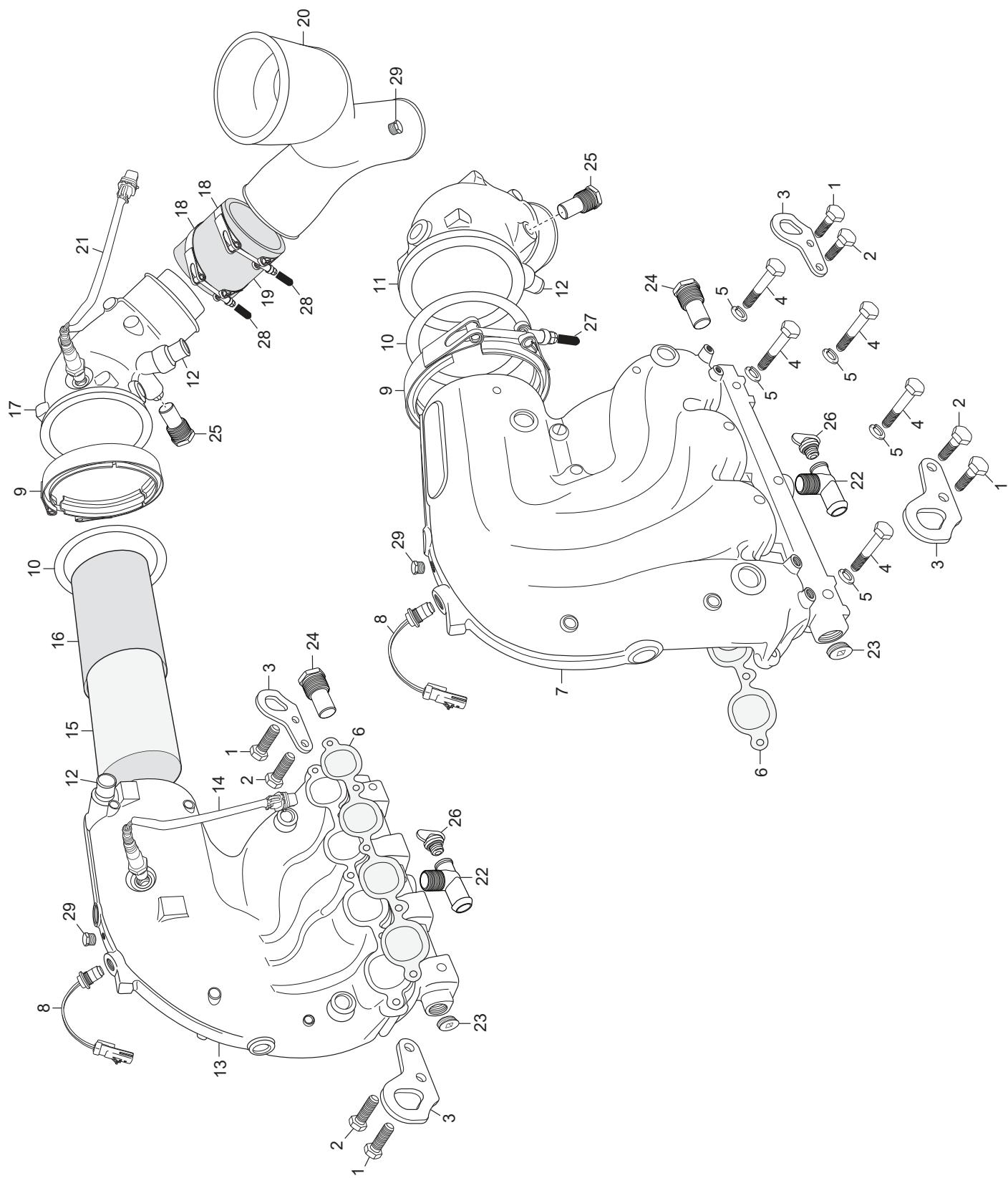
EXHAUST MANIFOLD and COMPONENTS - FIGURE 9



EXHAUST MANIFOLD and COMPONENTS - FIGURE 9

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	98447025	4	Bolt , lifting eye retaining	
2	98447016	4	Bolt , lifting eye retaining	
3	R042021	4	Eye , lifting	
4	RS6284	10	Bolt , manifold to cylinder head attaching	
5	93934000	12	Lockwasher , manifold to cylinder head attaching	
6	RM0303	2	Gasket , exhaust manifold to cylinder head	
7	R028032	1	Manifold , exhaust - left	
8	R020064	2	Sensor , exhaust manifold skin temperature	
9	R171012	2	Clamp , v-band exhaust	
10	RM0304	2	Gasket , exhaust manifold to corner	
11	R133007	1	Corner , exhaust left	
12	R024239	4	Fitting , pressed hose	
13	R028033	1	Manifold , exhaust - right	
14	R020056	2	Sensor , wide band O2	
15	R144004A	2	Substrate , catalyst	
16	RM0291	2	Mesh , catalyst	
17	R133006	1	Corner , exhaust -right	
18	R171013	4	Clamp , exhaust band	
19	R045242	2	Hose , 4 1/2" exhaust (4" long)	
20	R133008	1	Crossover , exhaust	
21	R020051	2	Sensor , Oxygen	
22	R024274	2	Fitting , tee (3/4"NPT x 1" hose x 5/8")	
23	RS3533	2	Plug , pipe (3/4"NPT)	
24	R168015A	2	Anode , sacrificial	
25	R024055	3	Elbow , 1/8"NPT x 1/4"hose	
26	R069078	4	Plug , cooling system drain	
27	R128004	2	Cover , clamp bolt	
28	R128002	2	Cover , clamp bolt	

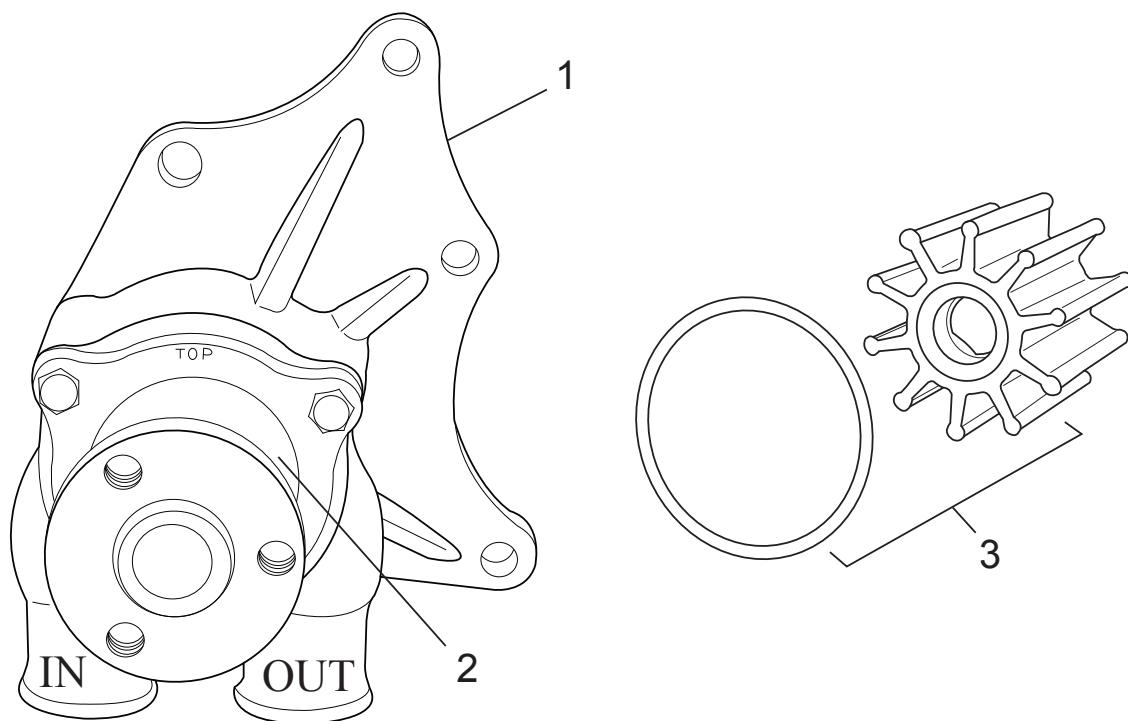
EXHAUST MANIFOLD and COMPONENTS (COASTAL SERIES) - FIGURE 9A



EXHAUST MANIFOLD and COMPONENTS (COASTAL SERIES) - FIGURE 9A

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	98447025	4	Bolt , lifting eye retaining	
2	98447016	4	Bolt , lifting eye retaining	
3	R042021	4	Eye , lifting	
4	RS6284	10	Bolt , manifold to cylinder head attaching	
5	93934000	12	Lockwasher , manifold to cylinder head attaching	
6	RM0303	2	Gasket , exhaust manifold to cylinder head	
7	R028032	1	Manifold , exhaust - left	
8	R020064	2	Sensor , exhaust manifold skin temperature	
9	R171012	2	Clamp , v-band exhaust	
10	RM0304	2	Gasket , exhaust manifold to corner	
11	R133007	1	Corner , exhaust left	
12	R024239	4	Fitting , pressed hose	
13	R028033	1	Manifold , exhaust - right	
14	R020056	2	Sensor , wide band O2	
15	R144004A	2	Substrate , catalyst	
16	RM0291	2	Mesh , catalyst	
17	R133006	1	Corner , exhaust -right	
18	R171013	4	Clamp , exhaust band	
19	R045242	2	Hose , 4 1/2" exhaust (4" long)	
20	R133008	1	Crossover , exhaust	
21	R020051	2	Sensor , Oxygen	
22	R024274	2	Fitting , tee (3/4"NPT x 1" hose x 5/8")	
23	RS3533	2	Plug , pipe (3/4"NPT)	
24	R168015A	2	Anode , sacrificial	
25	R168008	2	Anode , sacrificial	
26	R069078	4	Plug , cooling system drain	
27	R128004	2	Cover , clamp bolt	
28	R128002	2	Cover , clamp bolt	
29	RS3539	3	Plug , pipe	

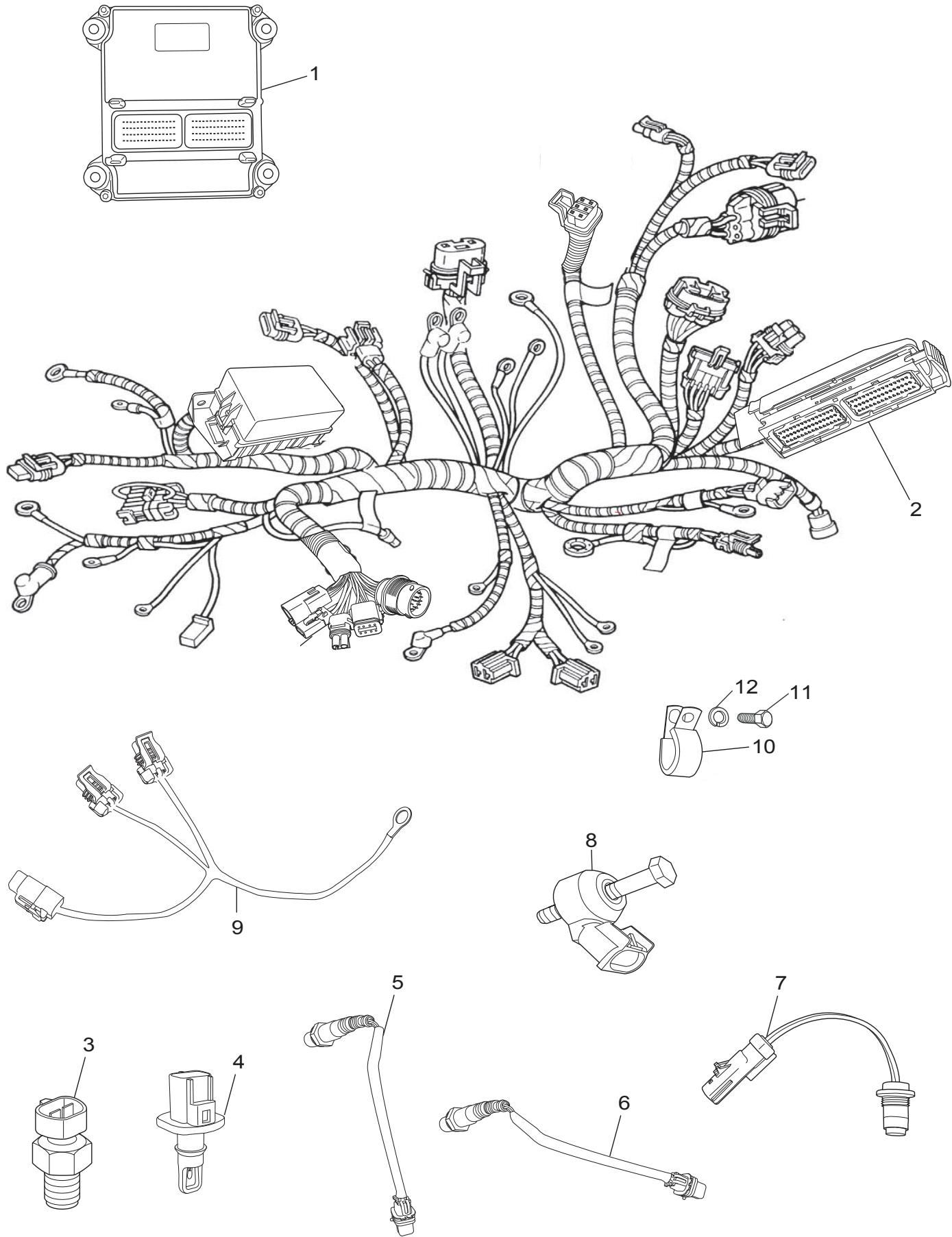
RAW WATER COOLING PUMP - FIGURE 10



RAW WATER COOLING PUMP - FIGURE 10

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	RA057038	1	Raw Water Pump Assembly 	
2	RA134071	1	Bearing Housing Assembly	
3	RP061022	1	Impeller Kit (includes O-rings and impeller)	

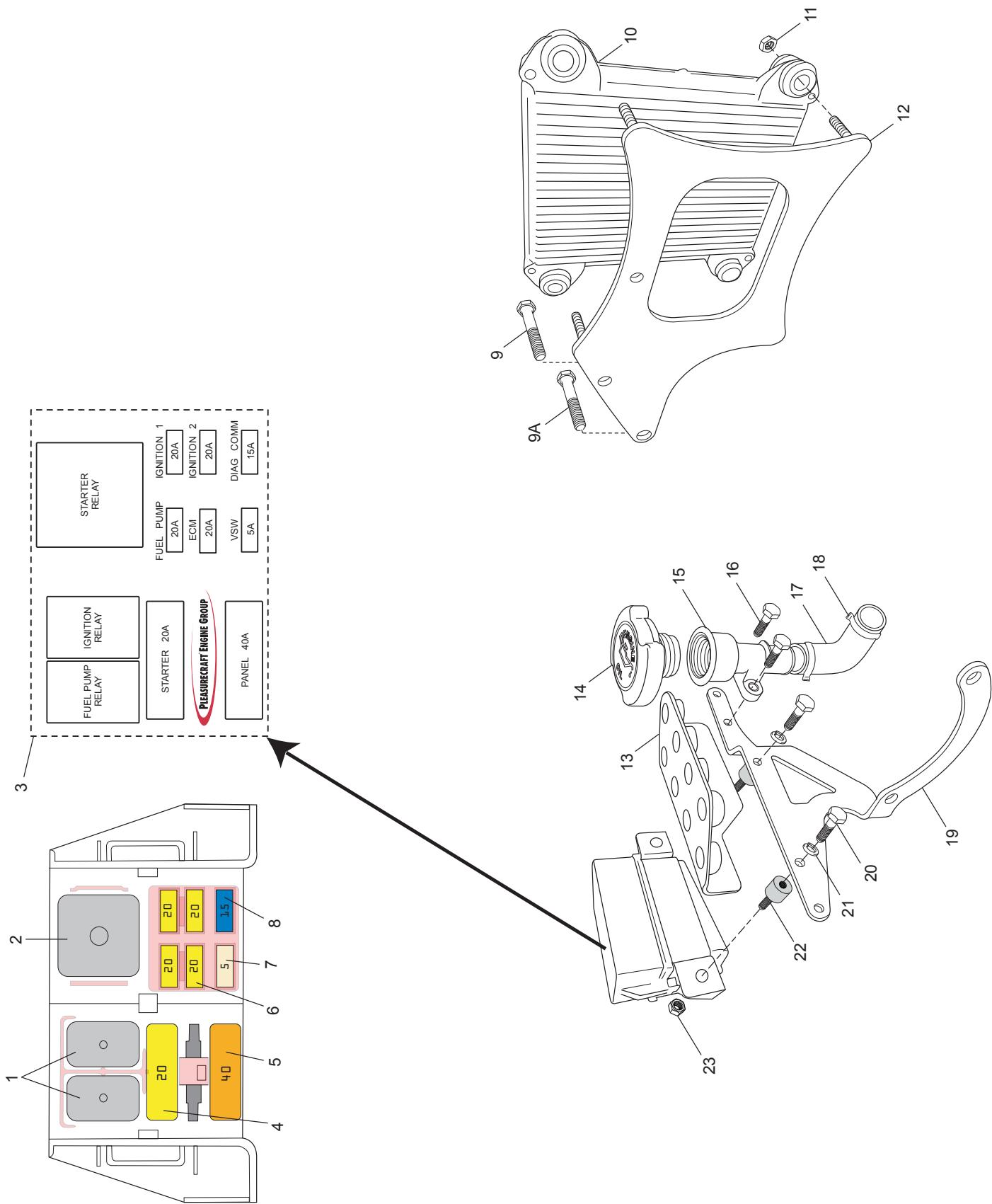
WIRING HARNESS, SENSORS and ECM - FIGURE 11



WIRING HARNESS, SENSORS and ECM - FIGURE 11

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	R116029	1	Engine Control Module (must be programmed)	
2	RA121122	1	Engine Wiring Harness Assembly	
3	R020019	1	Sensor , engine coolant temperature	
4	R020063	1	Sensor , intake air temperature	
5	R020056	2	Sensor , wide band oxygen pre-catalyst	
6	R020051	2	Sensor , O2 sensor post-catalyst	
7	R020064	2	Sensor , exhaust manifold skin temperature	
8	R020052	2	Sensor , knock	
9	R121117	AR	Harness , electric shift	
10	R127039	AR	Clamp , component securing	
11	RS2178	AR	Bolt , attaching	
12	90105075	AR	Lockwasher , attaching	

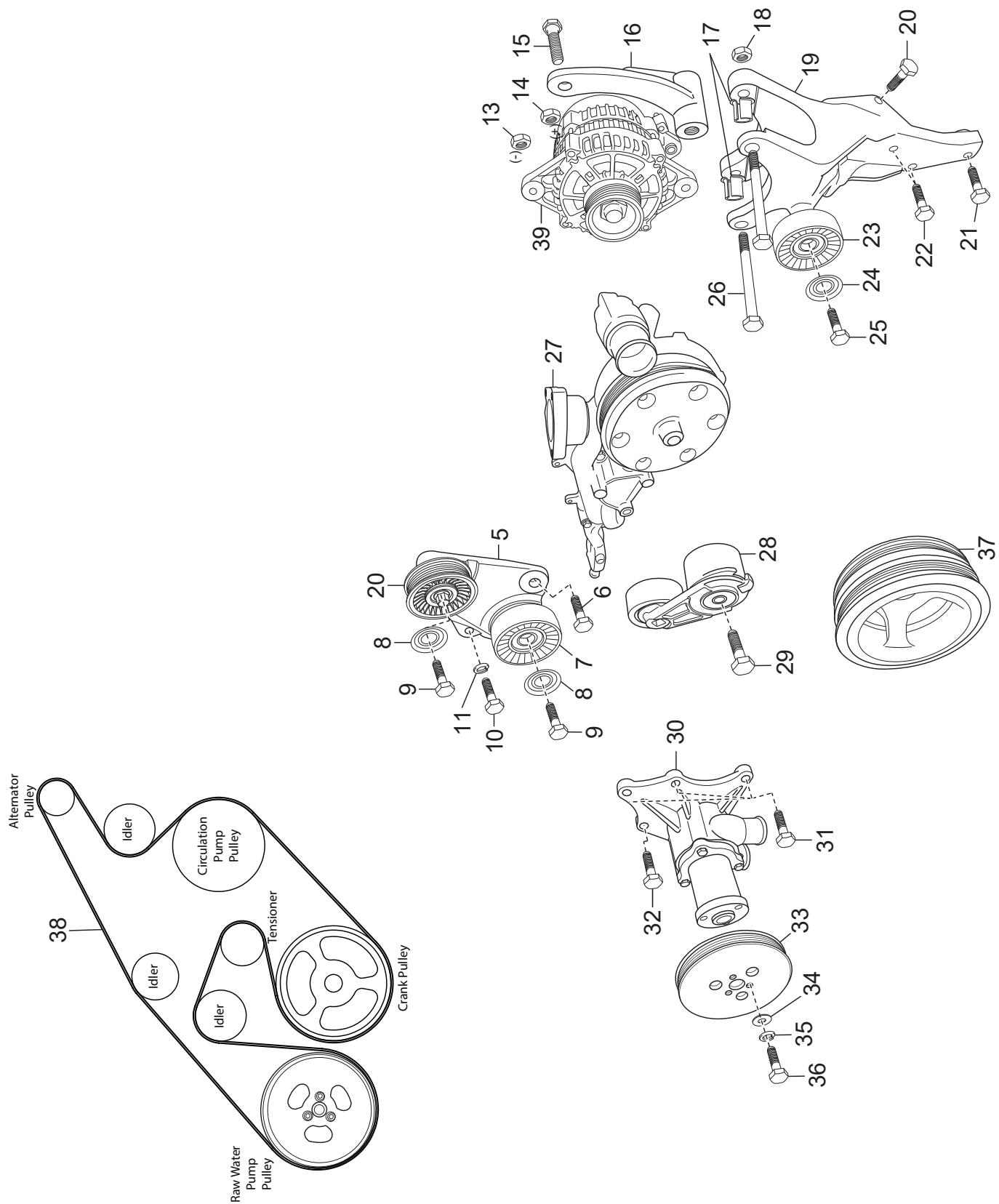
ECM and RELAYS - FIGURE 12



ECM and RELAYS - FIGURE 12

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	R130015	AR	Relay , fuel Pump and ignition	
2	R130016	AR	Relay , starter	
3	TBD	1	Decal , fuse block	
4	R153019C	1	Fuse , maxi, 20 Amp	
5	R153019F	1	Fuse , Panel, 40 Amp	
6	R153017B	4	Fuse , 20 amp	
7	R153017C	1	Fuse , 5 amp	
8	R153017A	1	Fuses , 15 amp	
9	98332025	1	Bolt , ECM bracket attaching	
9A	98447025	1	Bolt , ECM bracket attaching	
10	R116029	1	Engine Control Module (ECM)	
11	97224300	4	Nut , ECM attaching	
12	R090418	1	Bracket , ECM	
13	R090451	1	Bracket , drain plug holder	
14	R034052	1	Cap , oil fill	
15	R034051	1	Riser , oil fill	
16	98222025	2	Bolt , oil fill riser tube attaching	
17	R045230	1	Hose , oil fill riser	
18	R127087K	2	Clamp , oetiker 1 1/4"	
19	R090421	1	Bracket , fuse block	
20	RS0252	2	Bolt , fuse block isolator attaching	
21	RS2178	2	Lockwasher , fuse block isolator attaching	
22	R094044	2	Isolator , fuse block mounting	
23	95104060	2	Nut , fuse block attaching	

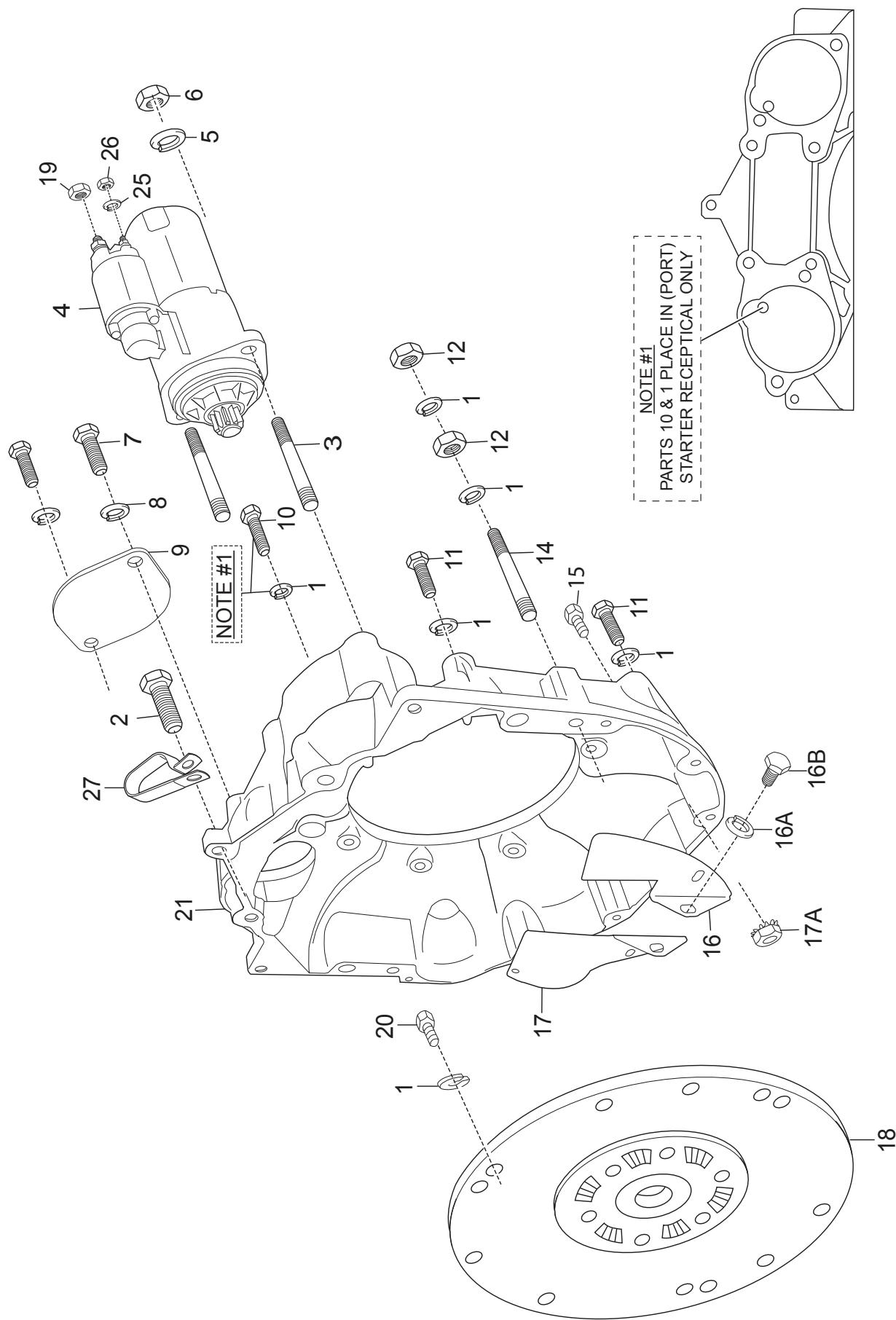
ACCESSORY DRIVE SYSTEM COMPONENTS - FIGURE 13



ACCESSORY DRIVE SYSTEM COMPONENTS - FIGURE 13

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
5	R090422	1	Bracket , idler pulley	
6	98447025	1	Bolt , M10 X 1.5 X 25MM	
7	R065063	1	Pulley , idler (smooth w/lip edge)	
8	R096145	3	Washer , Idler (shield)	
9	98447016	3	Bolt , M10 X 1.5 X 16MM	
10	98333110	1	Bolt , M8-1.25 X 110, PT 8.8, HH 13MM	
11	RS2179	1	Lock washer	
12	R090421	1	Bracket , fuse block/oil fill	
13	97220060	1	Nut , M6 keps	
14	97330060	1	Nut , M8 keps	
15	98332025	1	Bolt , alternator attaching	
16	R090440A	1	Bracket , alternator offset mounting	
17	R062102	2	Spacer , alternator attaching split	
18	97440300	2	Nut , alternator attaching	
19	R090417	1	Bracket , alternator mounting	
20	R065054	1	Pulley , idler (with grooves)	
21	98337045	1	Bolt , bracket attaching	
22	98447045	1	Bolt , bracket attaching	
23	R065040	1	Pulley , idler (smooth)	
24	R096145	1	Washer , idler pulley shield	
25	98447016	1	Bolt , idler pulley attaching	
26	98442110	2	Bolt , alternator attaching	
27	RA057041	1	Circulation Pump Assembly	
28	RA068005A	1	Tensioner , serpentine belt	
29	R009216	1	Bolt , belt tensioner	
30	RA057038	1	Pump , modular raw water	
31	98337030	3	Bolt , raw water pump attaching	
32	98442030	1	Bolt , raw water pump attaching	
33	R065050	1	Pulley , raw water pump	
34	92934020	3	Washer , raw water pump pulley attaching	
35	93934000	3	Lockwasher , raw water pump pulley attaching	
36	99335016	3	Bolt , raw water pump pulley attaching	
37	TBD	1	Balancer , crankshaft	
38	R066040	1	Belt , serpentine	
39	RA097009	1	Alternator , 100 amp (top & bottom mounts)	
40	RA097012	1	Alternator , 125 amp (Both mounts on bottom)	

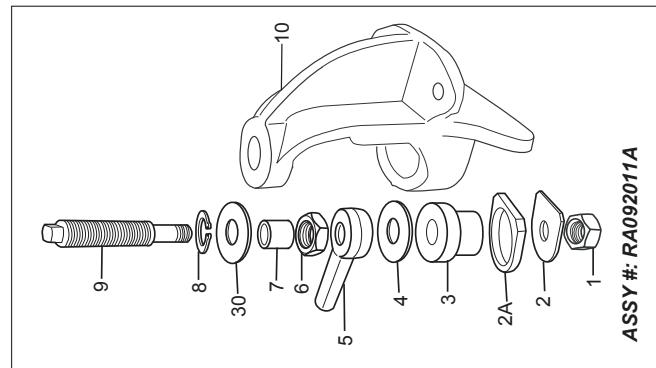
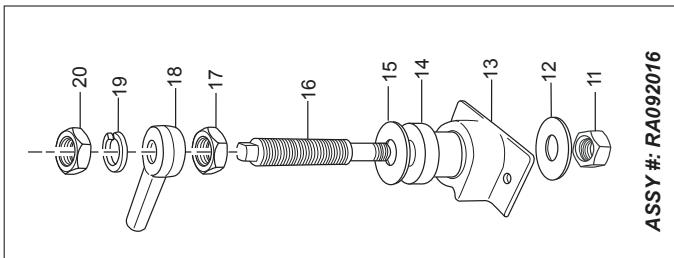
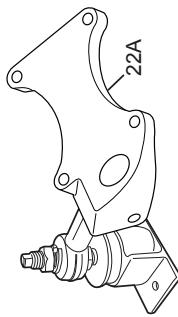
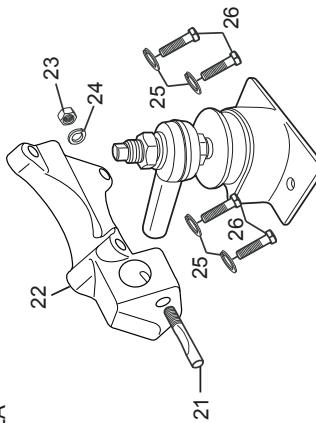
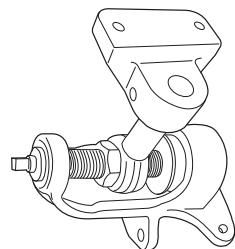
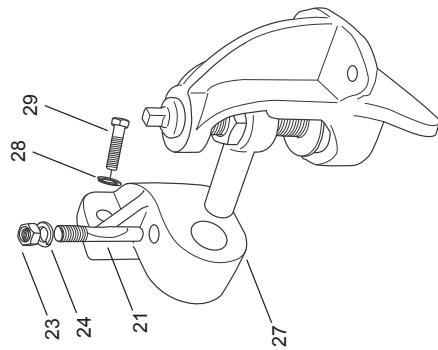
STARTER ASSEMBLY AND BELLHOUSING COMPONENTS - FIGURE 14



STARTER ASSEMBLY AND BELLHOUSING COMPONENTS - FIGURE 14

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	93940000	15	Lockwasher , bellhousing attaching	
2	98443030	1	Bolt , bellhousing attaching	
3	R031018	2	Stud , top mount starter attaching	
4	RA122009	1	Starter Assembly , top mount	
5	RS2181	2	Lockwasher , top mount starter attaching	
6	RS1029	2	Nut , top mount starter attaching	
7	RS0327	2	Bolt , dust cover attaching	
8	RS2181	2	Lockwasher , dust cover attaching	
9	R019010	1	Cover , dust	
10	99443030	1	Bolt , bellhousing attaching	
11	98446075	4	Bolt , bellhousing attaching	
12	97440000	4	Nut , bellhousing attaching	
13	97330060	1	Nut , Keps, battery lead attaching	
14	R031034	2	Stud , bellhousing attaching	
15	RS0256	3	Bolt , attaching	
16	R019012	1	Plate , flywheel cover (port)	
16A	93920000	2	Lockwasher , flywheel cover plate attaching	
16B	98223016	2	Bolt , flywheel cover plate attaching	
17	R019011A	1	Plate , flywheel cover (stbd)	
17A	RS1078	3	Nut , flywheel cover plate attaching	
18	R140024	1	Damper Plate Assembly	
19	98446030	6	Bolt , damper plate attaching	
20	R142015E	1	Bellhousing , flywheel	
21	93003000	1	Lockwasher , solenoid wire attaching	
22	RS7036	1	Nut , solenoid wire attaching	
23	R127060	1	Clamp , closed, coated	

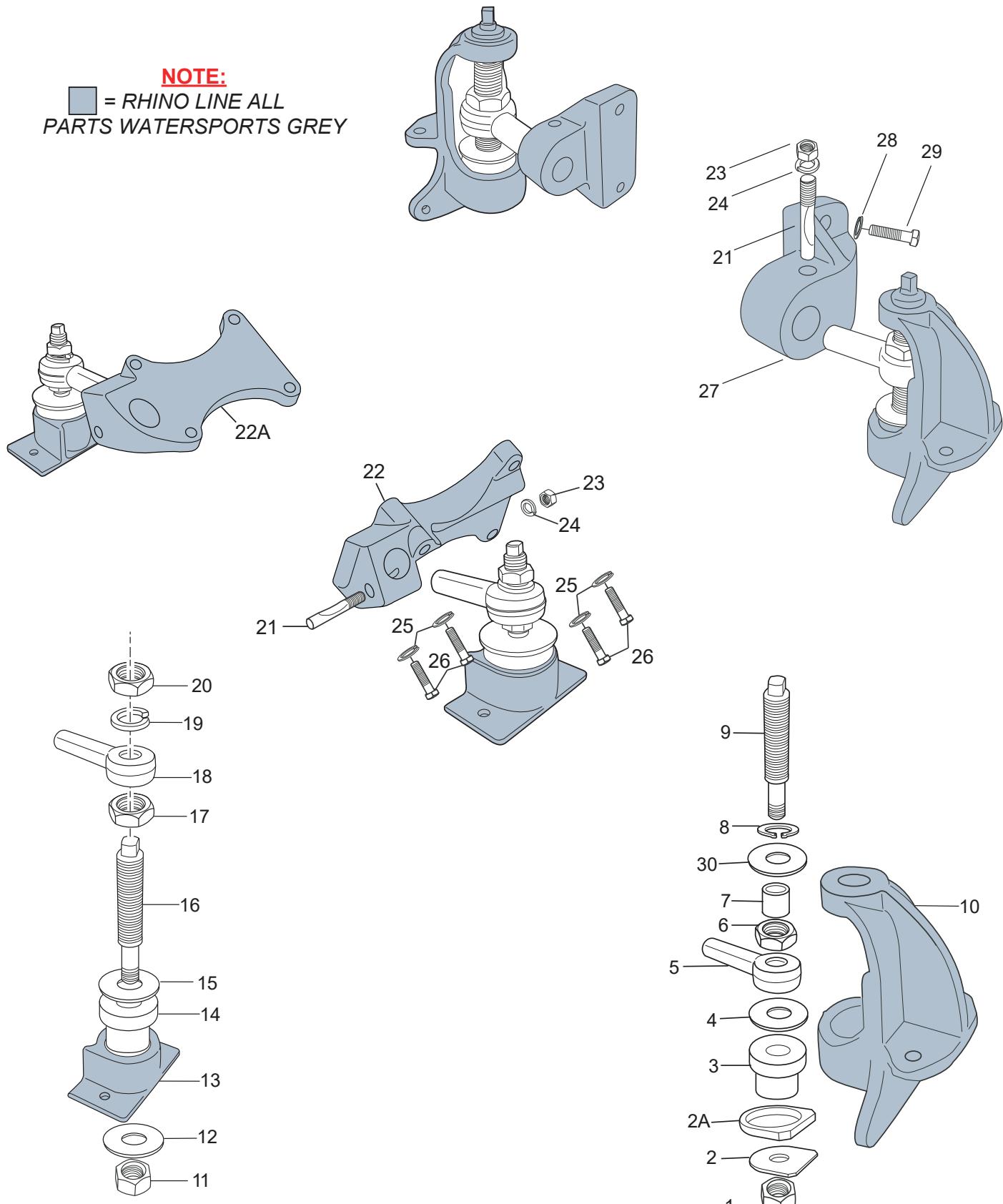
ENGINE and TRANSMISSION MOUNTS (02-535C-XX; 02-625C-XX) - FIGURE 15



ENGINE and TRANSMISSION MOUNTS (02-535C-XX; 02-625C-XX) - FIGURE 15

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	RS1082	2	Nut , mount lower	
2	R096148	2	Washer , mount lower	
2A	R094050	2	Bushing , mount lower	
3	R094017	2	Isolator , mount lower	
4	R096001	2	Washer , mount isolator	
5	R091006	2	Trunnion , mount	
6	RS1577	2	Nut , mount hex jam	
7	R094004	2	Isolator , mount upper	
8	R048120	2	Snap Ring , mount	
9	R095002	2	Stud , mount trunnion	
10	R092011	2	Body , mount rear	
11	RS1082	2	Nut , mount bottom	
12	R096001	2	Washer , front mount lower isolator	
13	R092016	2	Body , front mount	
14	R094007	2	Isolator , front mount	
15	R096043	2	Washer , front mount upper isolator	
16	R095001	2	Stud , trunnion (front)	
17	RS1075	2	Nut , hex jam	
18	R091001	2	Trunnion , front	
19	RS2186	2	Lockwasher , mount	
20	RS1075	2	Nut , hex jam	
21	R095020	4	Wedge Pin , trunnion	
22	R090415	1	Bracket , front left engine mount	
22A	R090416	1	Bracket , front right engine mount	
23	RS1529	4	Nut , wedge pin attaching	
24	RS2181	4	Lockwasher , wedge pin attaching	
25	93940000	8	Lockwasher , engine mount attaching	
26	98443040	8	Bolt , engine mount attaching	
27	R090205	2	Block , mount	
28	RS2181	4	Lockwasher , mount block attaching	
29	RS0329	4	Bolt , mount block attaching	
30	R096150	2	Washer , stainless steel upper isolator	

ENGINE and TRANSMISSION MOUNTS (02-535CW-XX; 02-625CW-XX) - FIGURE 15A



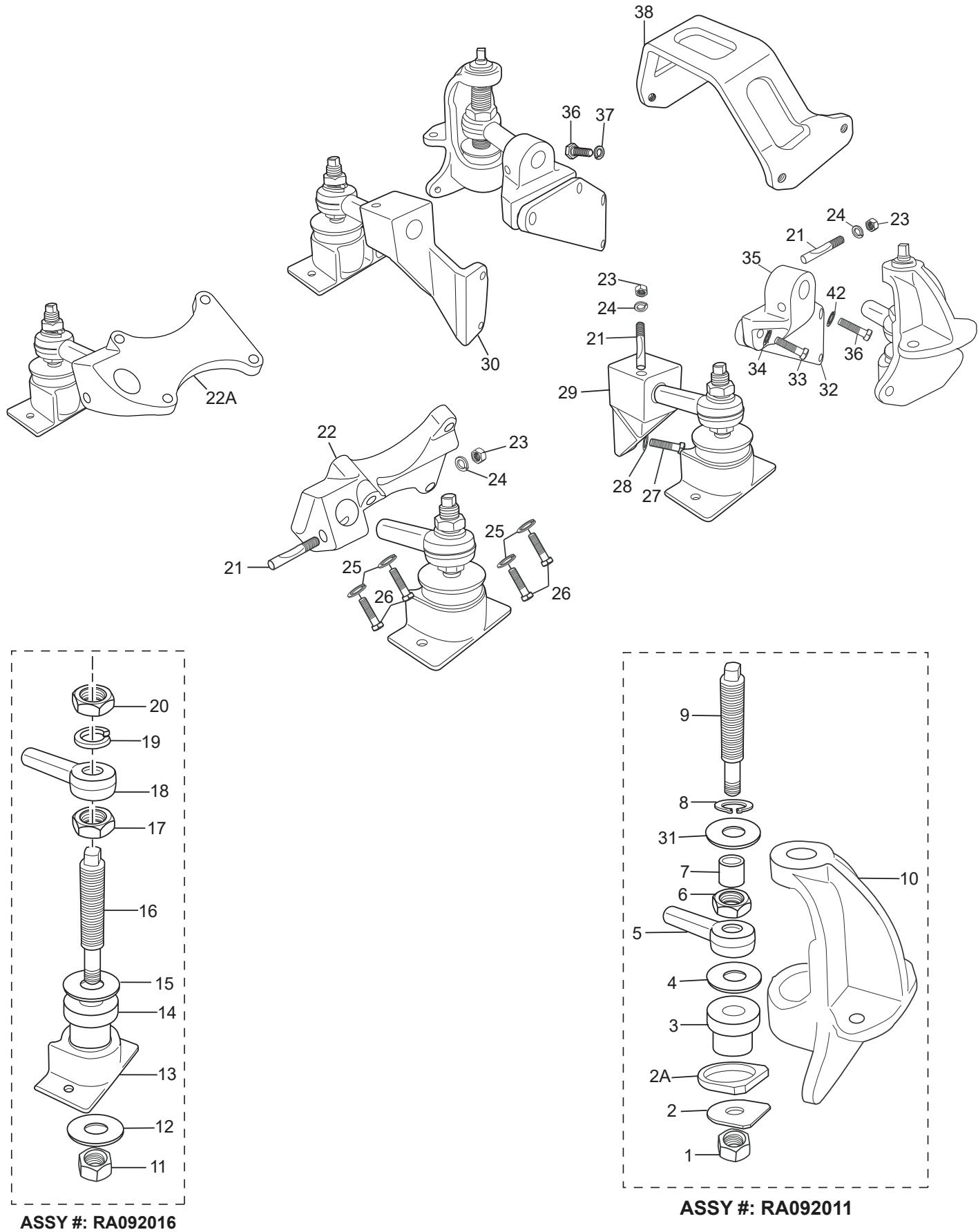
ASSY #: RA092016-01A

ASSY #: RA092011-06A

ENGINE and TRANSMISSION MOUNTS (02-535CW-XX; 02-625CW-XX) - FIGURE 15A

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	95604020	2	Nut , mount lower (S/S)	
2	R096148A	2	Washer , mount lower (S/S)	
2A	R094050	2	Bushing , mount lower	
3	R094017	2	Isolator , mount lower	
4	R096001A	2	Washer , mount isolator (S/S)	
5	R091006A	2	Trunnion , mount (S/S)	
6	96104050	2	Nut , mount hex jam (S/S)	
7	R094004	2	Isolator , mount upper	
8	R048120	2	Snap Ring , mount	
9	R095002	2	Stud , mount trunnion	
10	R092011	2	Body , mount rear	
11	95604020	2	Nut , mount bottom (S/S)	
12	R096001A	2	Washer , front mount lower isolator (S/S)	
13	R092016	2	Body , front mount	
14	R094007	2	Isolator , front mount	
15	R096043A	2	Washer , front mount upper isolator (S/S)	
16	R095001	2	Stud , trunnion (front)	
17	95704050	2	Nut , hex jam (S/S)	
18	R091001A	2	Trunnion , front (S/S)	
19	93704000	2	Lockwasher , mount (S/S)	
20	95704050	2	Nut , hex jam (S/S)	
21	R095020A	4	Wedge Pin , trunnion (S/S)	
22	R090415	1	Bracket , front left engine mount	
22A	R090416	1	Bracket , front right engine mount	
23	95414000	4	Nut , wedge pin attaching (S/S)	
24	93404000	4	Lockwasher , wedge pin attaching (S/S)	
25	93940000	8	Lockwasher , engine mount attaching (S/S)	
26	98443040	8	Bolt , engine mount attaching (S/S)	
27	R090205	2	Block , mount	
28	93404000	4	Lockwasher , mount block attaching (S/S)	
29	90404150	4	Bolt , mount block attaching (S/S)	
30	R096150	2	Washer , stainless steel upper isolator	

ENGINE and TRANSMISSION MOUNTS (02-535VC-XX; 02-625VC-XX) - FIGURE 16



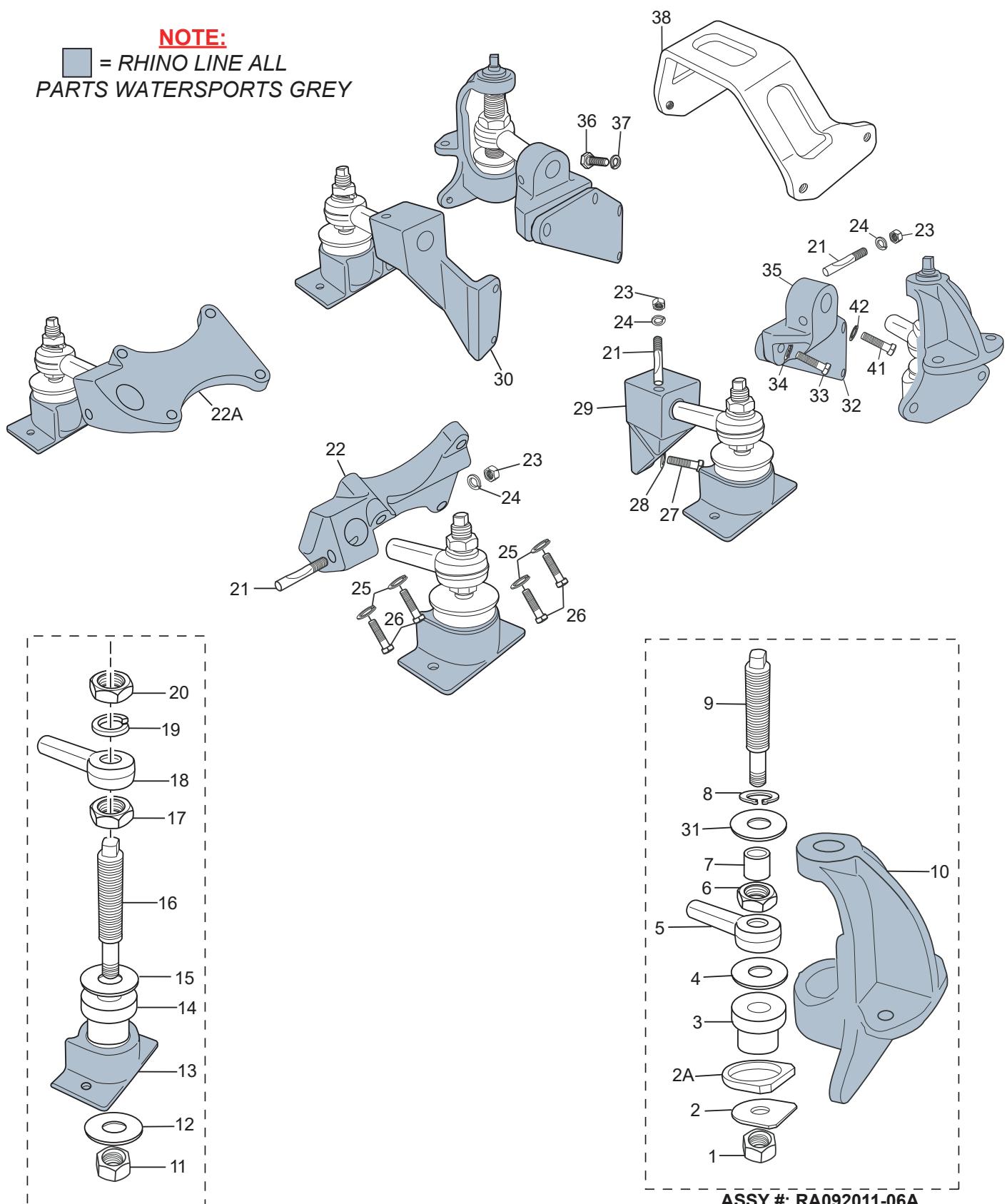
ENGINE and TRANSMISSION MOUNTS (02-535VC-XX; 02-625VC-XX) - FIGURE 16

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	RS1082	2	Nut , mount lower	
2	R096148	2	Washer , mount lower	
2A	R094050	2	Bushing , mount lower	
3	R094017	2	Isolator , mount lower	
4	R096001	2	Washer , mount isolator	
5	R091003	2	Trunnion , mount rear	
6	RS1577	2	Nut , mount hex jam	
7	R094004	2	Isolator , mount upper	
8	R048120	2	Snap Ring , mount	
9	R095002	2	Stud , mount trunnion	
10	R092011	2	Body , mount rear	
11	RS1082	4	Nut , mount lower	
12	R096001	4	Washer , front mount lower	
13	R092016	4	Lockwasher , front mount	
14	R094007	4	Isolator , front mount	
15	R096043	4	Washer , front mount isolator top	
16	R095001	4	Stud , mount trunnion	
17	RS1075	4	Nut , mount hex jam	
18	R091001	4	Trunnion , front mount	
19	RS2186	4	Lockwasher , mount stud	
20	RS1075	4	Nut , mount stud	
21	R095020	6	Wedge Pin , trunnion securing	
22	R090415	1	Bracket , engine mount (port)	
22A	R090416	1	Bracket , engine mount (stbd)	
23	RS1529	6	Nut , wedge pin attaching	
24	RS2181	6	Lockwasher , wedge pin attaching	
25	93940000	8	Lockwasher , mount bracket attaching	
26	98443030	8	Bolt , mount bracket attaching	
27	RS0328	4	Bolt , support brace attaching	
28	RS2181	4	Lockwasher , support brace attaching	
29	R090354	1	Bracket , transmission mount (port)	
30	R090355	1	Bracket , transmission mount (stbd)	
31	R096150	2	Washer , mount stainless steel	
32	R090318A	2	Bracket , VDrive mount	
33	RS0330	4	Bolt , VDrive mount bracket attaching	
34	RS2181	4	Lockwasher , VDrive mount bracket attaching	
35	R090205	2	Bracket , VDrive mount	
36	RS0327	4	Lockwasher , VDrive mount attaching	
37	R096150	4	Bolt , VDrive mount attaching	
38	R090370	1	Bracket , VDrive mount support	

ENGINE and TRANSMISSION MOUNTS (02-535VCW-XX; 02-625VCW-XX) - FIGURE 16A

NOTE:

 = RHINO LINE ALL
PARTS WATERSPORTS GREY



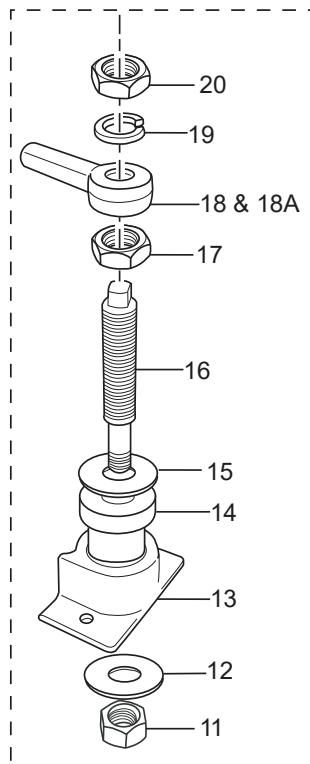
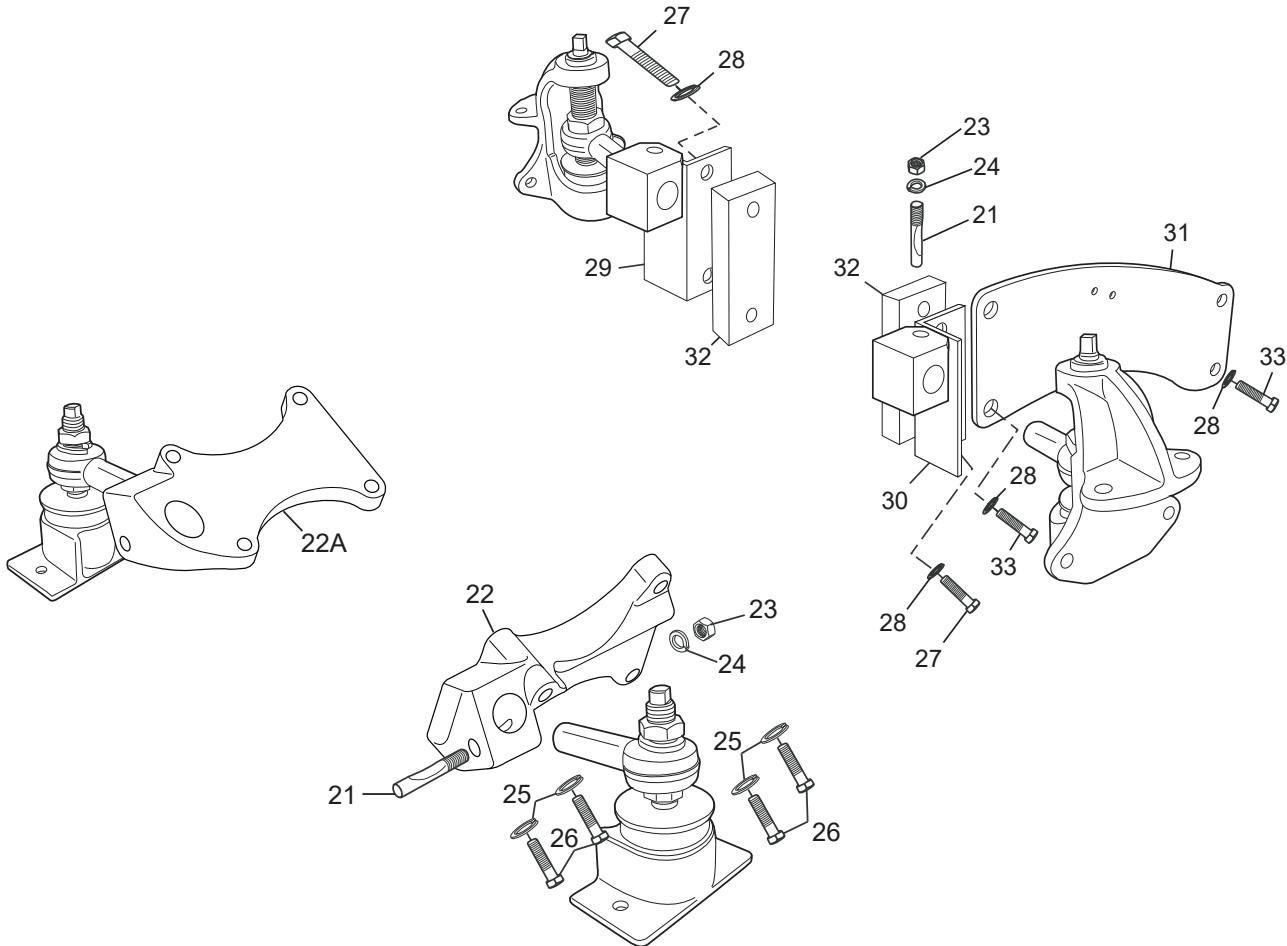
ASSY #: RA092016-01A

ASSY #: RA092011-06A

ENGINE and TRANSMISSION MOUNTS (02-535VCW-XX; 02-625VCW-XX) - FIGURE 16A

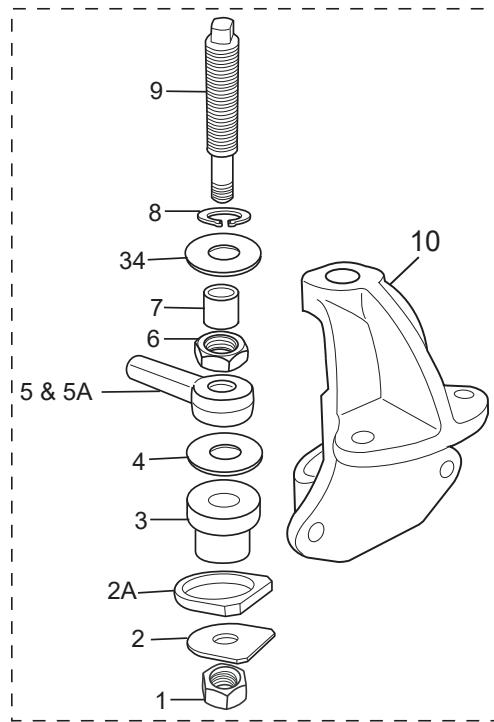
ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	95604020	2	Nut , mount lower (S/S)	
2	R096148A	2	Washer , mount lower (S/S)	
2A	R094050	2	Bushing , mount lower	
3	R094017	2	Isolator , mount lower	
4	R096001A	2	Washer , mount isolator (S/S)	
5	R091006A	2	Trunnion , mount rear (S/S)	
6	96104050	2	Nut , mount hex jam (S/S)	
7	R094004	2	Isolator , mount upper	
8	R048120	2	Snap Ring , mount	
9	R095002	2	Stud , mount trunnion	
10	R092011	2	Body , mount rear	
11	95604020	4	Nut , mount lower (S/S)	
12	R096001A	4	Washer , front mount lower (S/S)	
13	R092016	4	Lockwasher , front mount	
14	R094007	4	Isolator , front mount	
15	R096043A	4	Washer , front mount isolator top (S/S)	
16	R095001	4	Stud , mount trunnion	
17	95704050	4	Nut , mount hex jam (S/S)	
18	R091001A	4	Trunnion , front mount (S/S)	
19	93704000	4	Lockwasher , mount stud (S/S)	
20	95704050	4	Nut , mount stud (S/S)	
21	R095020A	6	Wedge Pin , trunnion securing (S/S)	
22	R090415	1	Bracket , engine mount (port)	
22A	R090416	1	Bracket , engine mount (stbd)	
23	95414000	6	Nut , wedge pin attaching (S/S)	
24	93404000	6	Lockwasher , wedge pin attaching (S/S)	
25	93940000	8	Lockwasher , mount bracket attaching (S/S)	
26	98444040	8	Bolt , mount bracket attaching (S/S)	
27	90404125	4	Bolt , support brace attaching (S/S)	
28	93404000	4	Lockwasher , support brace attaching (S/S)	
29	R090354	1	Bracket , transmission mount (port)	
30	R090355	1	Bracket , transmission mount (stbd)	
31	R096150	2	Washer , mount stainless steel	
32	R090318A	2	Bracket , VDrive mount	
33	90404175	4	Bolt , VDrive mount bracket attaching (S/S)	
34	93404000	4	Lockwasher , VDrive mount bracket attaching (S/S)	
35	R090205	2	Bracket , VDrive mount	
36	90404100	4	Lockwasher , VDrive mount attaching (S/S)	
37	93404000	4	Bolt , VDrive mount attaching (S/S)	
38	R090370	1	Bracket , VDrive mount support	

ENGINE and TRANSMISSION MOUNTS (15/18-535VC-XX; 15/18-625VC-XX) - FIGURE 17



ASSY #: RA092016-08 - (STARBOARD ONLY) FRONT MOUNT

ASSY #: RA092016 - (PORT ONLY) FRONT MOUNT



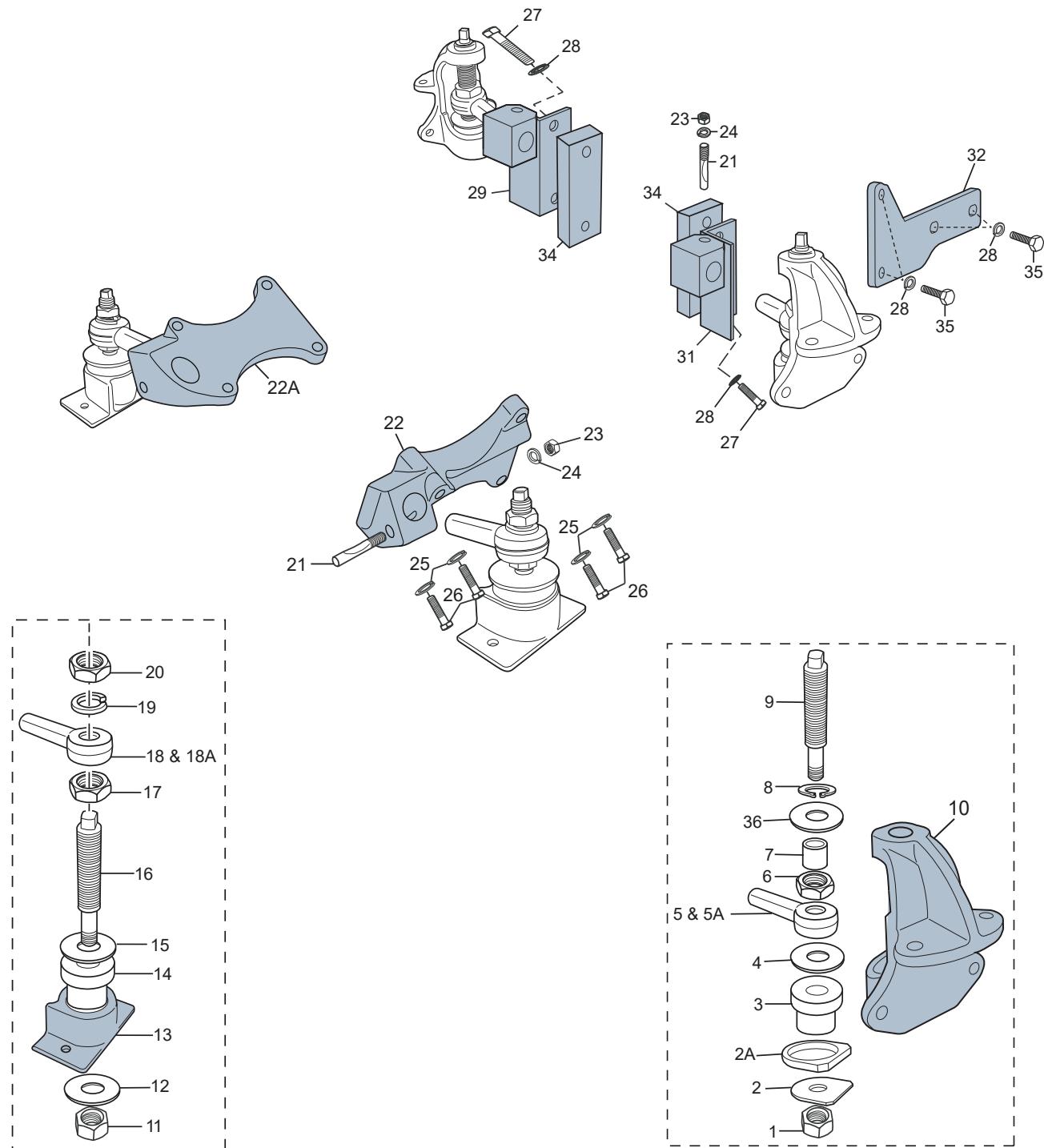
ASSY #: RA091003 - (PORT ONLY) REAR MOUNT

ASSY #: RA092003-10 - (STARBOARD ONLY) REAR MOUNT

ENGINE and TRANSMISSION MOUNTS (15/18-535VC-XX; 15/18-625VC-XX) - FIGURE 17

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	RS1082	2	Nut , mount lower	
2	R096148	2	Washer , mount lower	
2A	R094050	2	Bushing , mount lower	
3	R094017	2	Isolator , mount lower	
4	R096001	2	Washer , mount isolator	
5	R091003	1	Trunnion , mount rear (port)	
5A	R091010	1	Trunnion , mount rear (stbd)	
6	RS1577	2	Nut , mount hex jam	
7	R094004	2	Isolator , mount upper	
8	R048120	2	Snap Ring , mount	
9	R095002	2	Stud , mount trunnion	
10	R092003	2	Body , mount rear	
11	RS1082	2	Nut , mount lower	
12	R096001	2	Washer , front mount lower	
13	R092016	2	Lockwasher , front mount	
14	R094007	2	Isolator , front mount	
15	R096043	2	Washer , front mount isolator top	
16	R095001	2	Stud , mount trunnion	
17	RS1075	2	Nut , mount hex jam	
18	R091001	2	Trunnion , front mount (port)	
18A	R091008	2	Trunnion , front mount (stbd)	
19	RS2186	2	Lockwasher , mount stud	
20	RS1075	2	Nut , mount stud	
21	R095020	4	Wedge Pin , trunnion securing	
22	R090415	1	Bracket , engine mount (port)	
22A	R090416	1	Bracket , engine mount (stbd)	
23	RS1529	4	Nut , wedge pin attaching	
24	RS2181	4	Lockwasher , wedge pin attaching	
25	93940000	8	Lockwasher , mount bracket attaching	
26	98443030	8	Bolt , mount bracket attaching	
27	RS0329	4	Bolt , mount bracket attaching	
28	RS2181	8	Lockwasher , mount attaching	
29	R090344	1	Bracket , transmission mount (port)	
30	R090343	1	Bracket , transmission mount (stbd)	
31	R109054	1	Plate , brace	
32	R169065	2	Shim , 1/2" mount	
33	RS0325	4	Bolt , VDrive mount bracket attaching	
34	R096150	2	Washer , stainless steel mount	

ENGINE and TRANSMISSION MOUNTS (15/18-535VCW-XX; 15/18-625VCW-XX) - FIGURE 17A



ASSY #: RA092016-08A - (STARBOARD ONLY) FRONT MOUNT

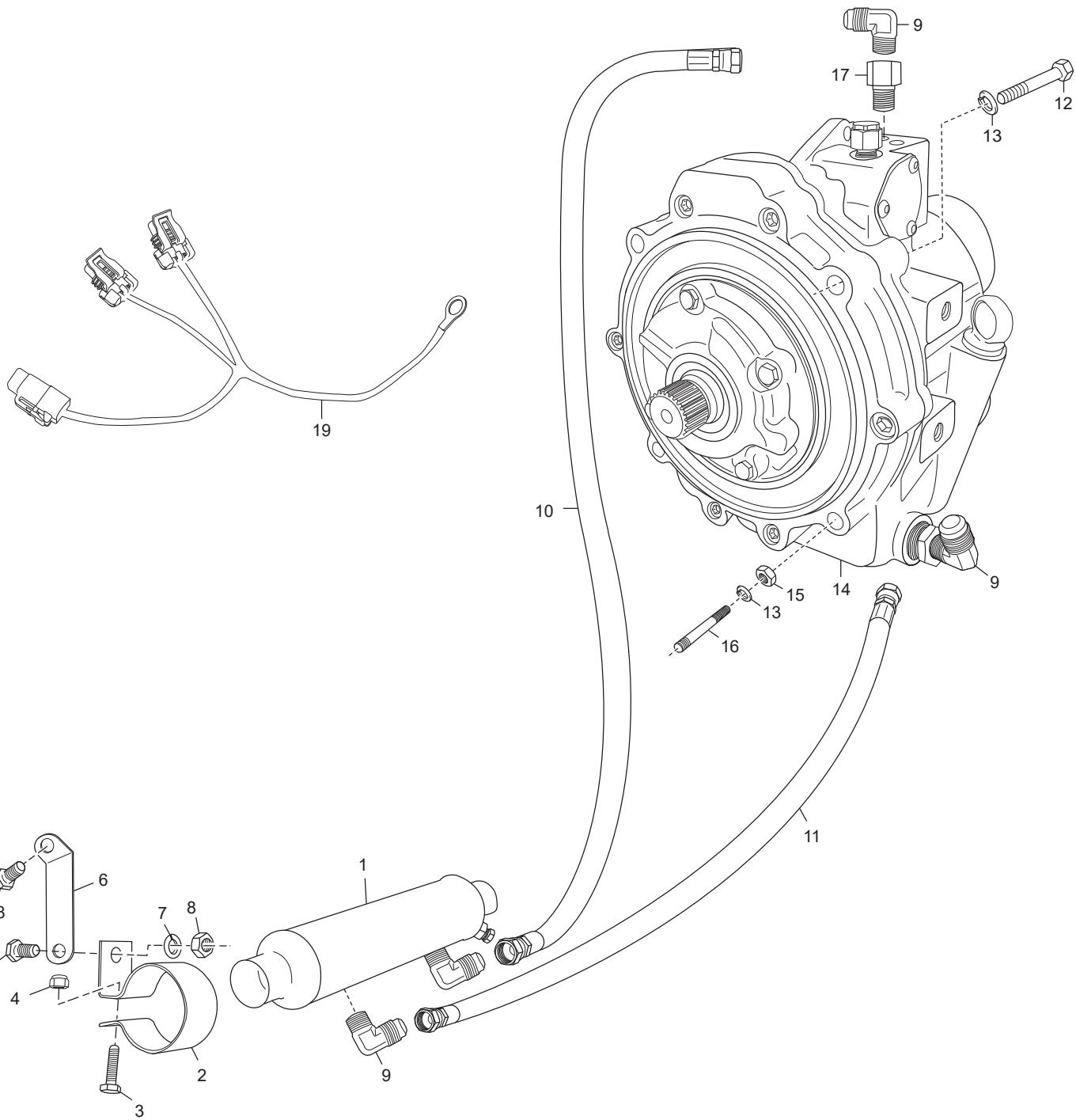
ASSY #: RA092016-01A - (PORT ONLY) FRONT MOUNT

ASSY #: RA092003-06A - (PORT ONLY) REAR MOUNT

ASSY #: RA092003-08B - (STARBOARD ONLY) REAR MOUNT

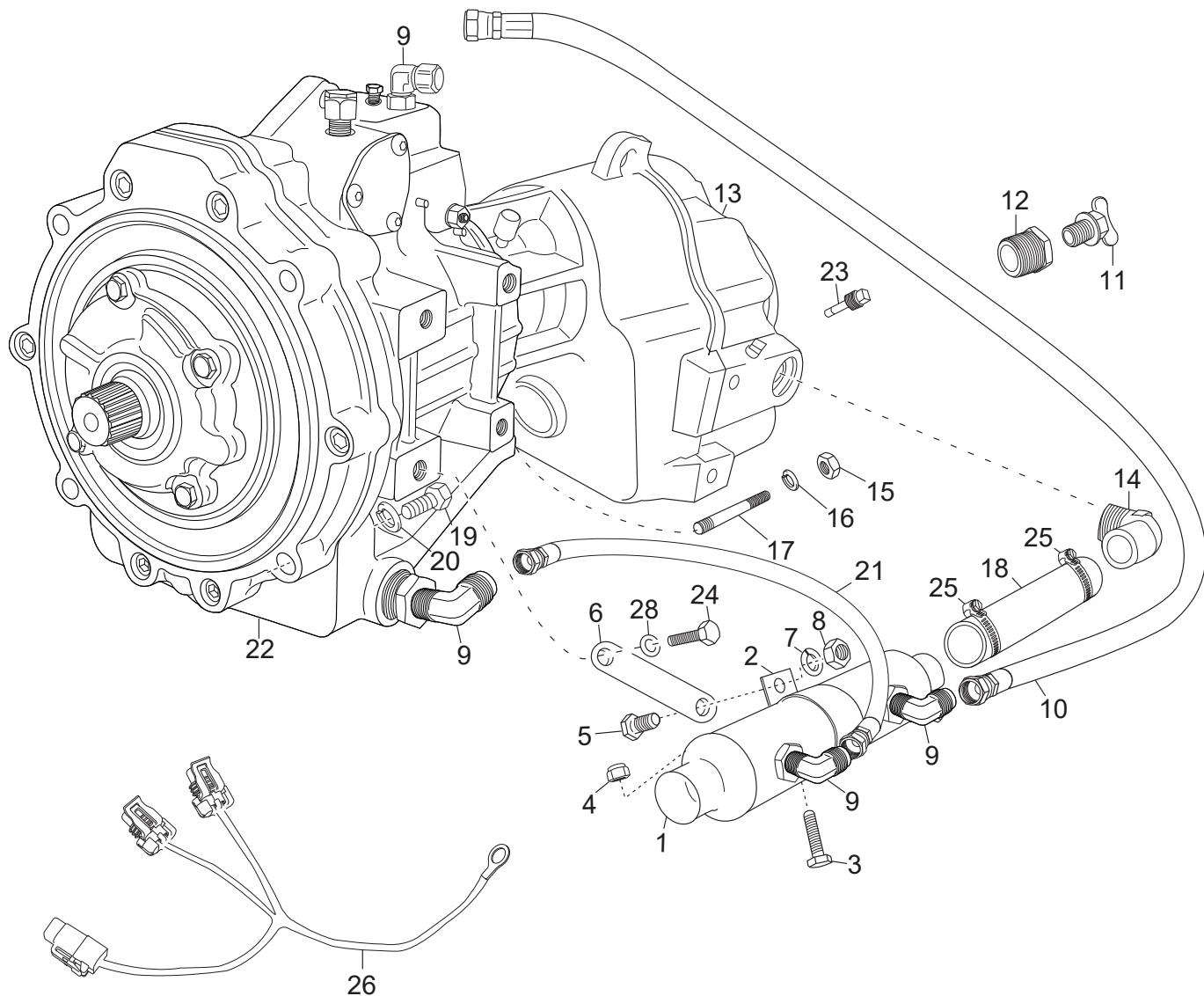
ENGINE and TRANSMISSION MOUNTS (15/18-535VCW-XX; 15/18-625VCW-XX) - FIGURE 17A

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	95604020	2	Nut , mount lower (SS)	
2	R096148A	2	Washer , mount lower (SS)	
2A	R094050	2	Bushing , mount lower	
3	R094017	2	Isolator , mount lower	
4	R096001A	2	Washer , mount isolator (SS)	
5	R091006A	1	Trunnion , mount rear (port) (SS)	
5A	R09108B	1	Trunnion , mount rear (stbd) (SS)	
6	96104050	2	Nut , mount hex jam (SS)	
7	R094004	2	Isolator , mount upper	
8	R048120	2	Snap Ring , mount	
9	R095002	2	Stud , mount trunnion	
10	R092003	2	Body , mount rear	
11	95604020	2	Nut , mount lower (SS)	
12	R096001A	2	Washer , front mount lower (SS)	
13	R092016	2	Lockwasher , front mount	
14	R094007	2	Isolator , front mount	
15	R096043A	2	Washer , front mount isolator top (SS)	
16	R095001	2	Stud , mount trunnion	
17	95704050	2	Nut , mount hex jam (SS)	
18	R091001A	2	Trunnion , front mount (port) (SS)	
18A	R091008A	2	Trunnion , front mount (stbd) (SS)	
19	93704000	2	Lockwasher , mount stud (SS)	
20	95704050	2	Nut , mount stud (SS)	
21	R095020A	4	Wedge Pin , trunnion securing (SS)	
22	R090415	1	Bracket , engine mount (port)	
22A	R090416	1	Bracket , engine mount (stbd)	
23	95414000	4	Nut , wedge pin attaching (SS)	
24	93404000	4	Lockwasher , wedge pin attaching (SS)	
25	93940000	8	Lockwasher , mount bracket attaching (SS)	
26	98443030	8	Bolt , mount bracket attaching (SS)	
27	90404150	4	Bolt , mount bracket attaching (SS)	
28	93404000	8	Lockwasher , mount attaching (SS)	
29	R090344	1	Bracket , transmission mount (port)	
30	R090343	1	Bracket , transmission mount (stbd)	
31	R109054	1	Plate , brace	
32	R169065	2	Shim , 1/2" mount	
33	90404100	4	Bolt , VDrive mount bracket attaching (SS)	
34	R096150	2	Washer , stainless steel mount	



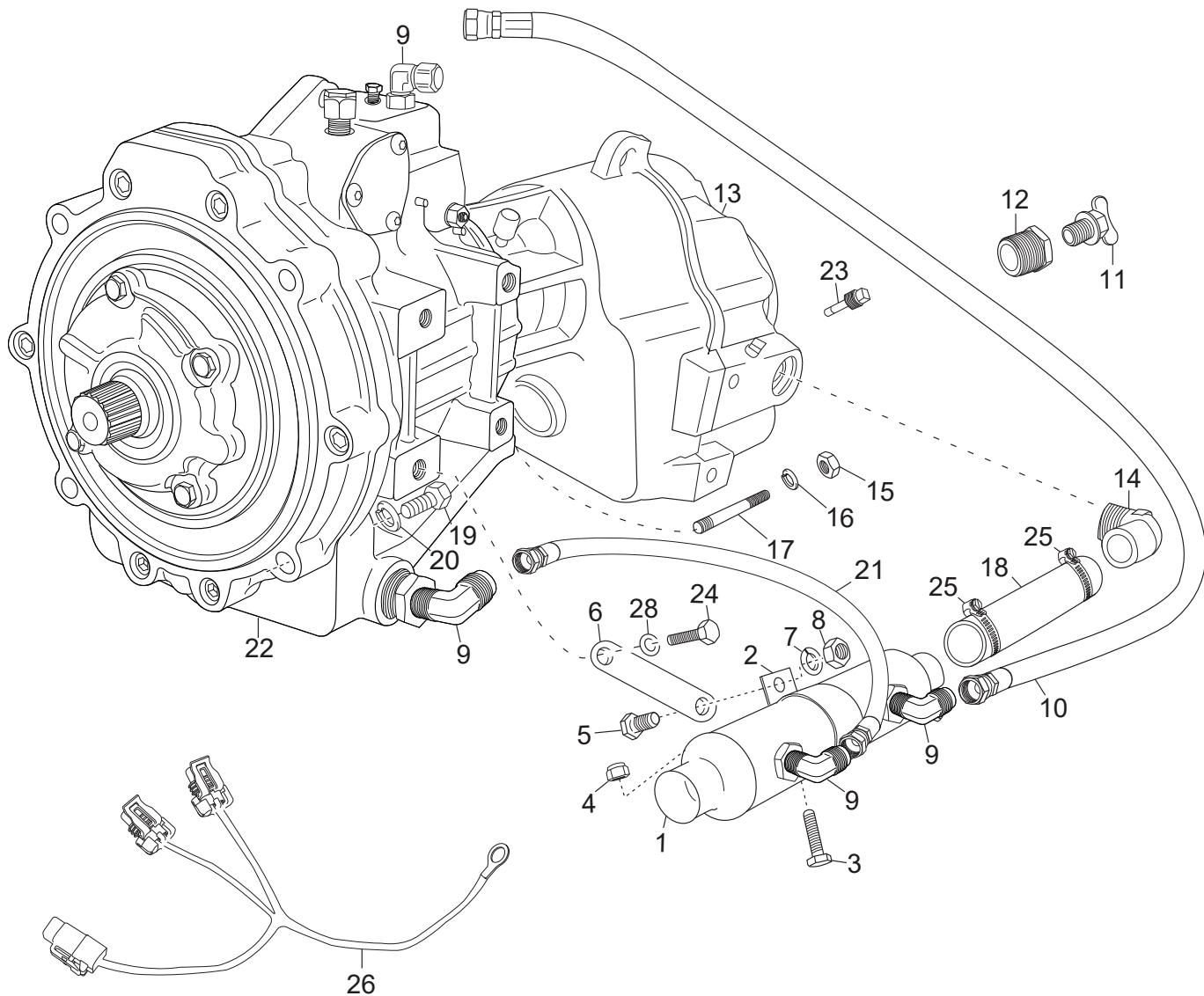
TRANSMISSION AND RELATED COMPONENTS 02-535C-XX / 02-625C-XX - FIGURE 18

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	R147006	1	Transmission Cooler , 12"	
2	R090010	1	Bracket , transmission cooler	
3	RS0256	1	Bolt , transmission cooler attaching	
4	RS2058	1	Nut , transmission cooler attaching	
5	RS0302	1	Bolt , bracket attaching	
6	R090289	1	Bracket , cooler strap	
7	RS2180	1	Lockwasher , bracket attaching	
8	RS1028	1	Nut , bracket attaching	
9	R024010	4	Fitting , 90 degree	
10	RA045007R	1	Hose Assembly , cooler to transmission	
11	RA045007N	1	Hose Assembly , transmission to cooler	
12	RS0337	2	Bolt , transmission attaching	
13	RS2181	4	Lockwasher , transmission attaching	
14	RA157027E	1	Transmission Assembly , 1.23:1 80A Electric	
15	RS1029	2	Nut , transmission attaching	
16	96541	2	Stud , transmission attaching	
17	R024196	1	Adapter , fitting	
18	98332025	1	Bolt , bracket attaching	
19	R121117	1	Harness , electric shift	



TRANSMISSION AND RELATED COMPONENTS 02-535VC-XX / 02-625VC-XX- FIGURE 19

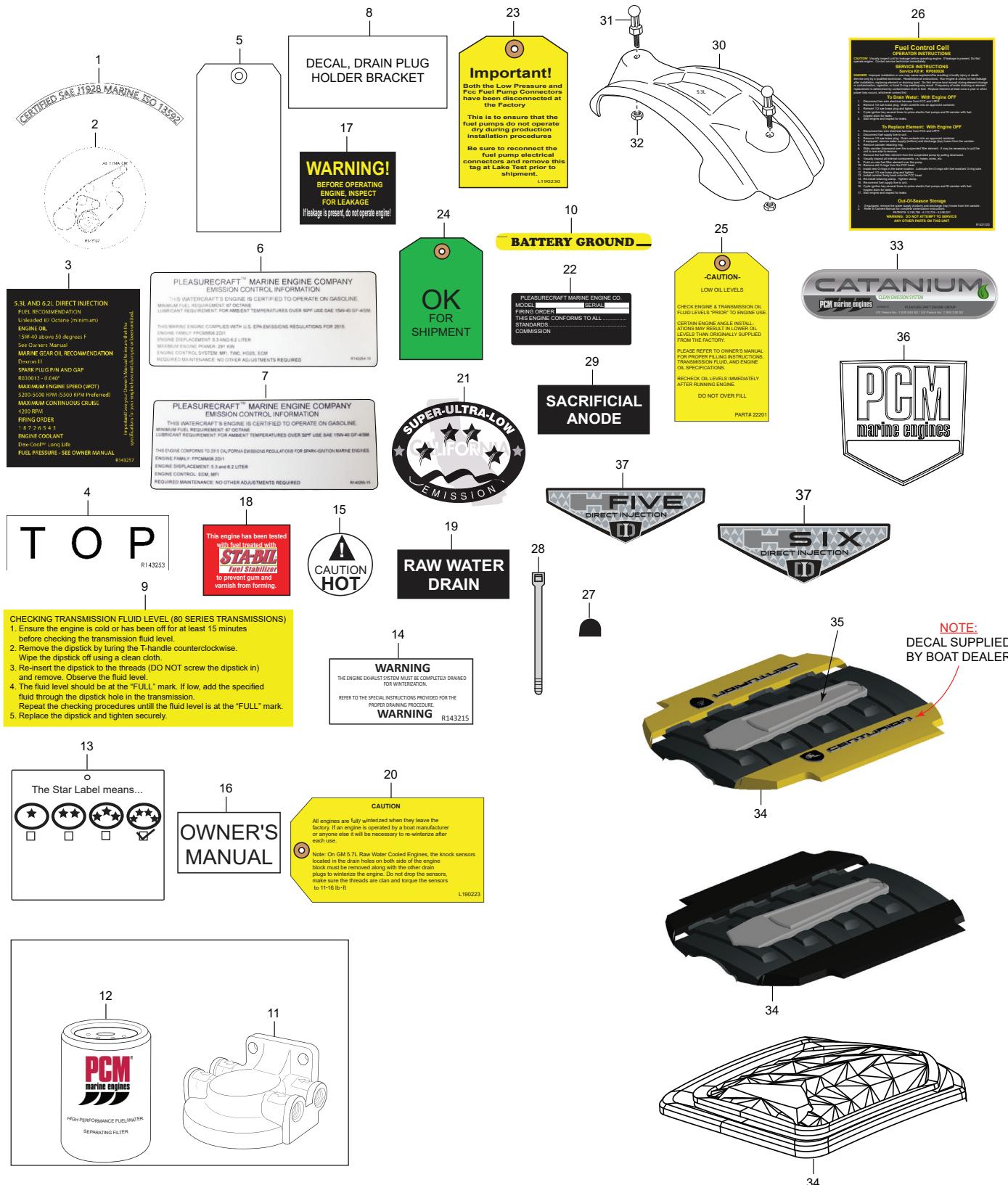
ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	R147006	1	Transmission Cooler , 12"	
2	R090010	1	Bracket , transmission cooler	
3	RS0256	1	Bolt , transmission cooler attaching	
4	RS2058	1	Nut , transmission cooler attaching	
5	RS0302	1	Bolt , transmission cooler bracket attaching	
6	R090405	1	Bracket , transmission cooler	
7	RS2180	1	Lockwasher , transmission cooler bracket attaching	
8	RS1028	1	Nut , transmission cooler bracket attaching	
9	R024010	4	Fitting , 90 degree	
10	RA045007R	1	Hose Assembly , transmission to cooler	
11	R069078	1	Plug , cooling system drain	
12	R024276	1	Fitting , drain plug adapter	
13	RA156011B	AR	VDrive Assembly , 1.48:1 ratio	
13	RA156012	AR	VDrive Assembly , 2.0:1 ratio	
14	R024268	2	Elbow , VDrive 90 degree	
15	RS7026	8	Nut , VDrive attaching	
16	RS2179	8	Lockwasher , VDrive attaching	
17	R031035	8	Stud , VDrive attaching	
18	20865	1 ft.	Hose , 1 1/4" ID wire reinforced	
19	RS0337	4	Bolt , transmission attaching	
20	RS2181	5	Lockwasher , transmission attaching / cooler bracket attaching	
21	RA045007C	1	Hose Assembly , cooler to transmission	
22	RA157025E	1	Transmission , 1:1 80 Series Electric	
23	R041091	2	Dipstick , VDrive oil level	
24	RS0327	1	Bolt , transmission cooler bracket attaching	
25	RS3858	2	Clamp , hose (#20)	
26	R121117	1	Harness , electric shift	



TRANSMISSION AND RELATED COMPONENTS 15/18-535VC-XX / 15/18-625VC-XX- FIGURE 20

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	R147006	1	Transmission Cooler , 12"	
2	R090010	1	Bracket , transmission cooler	
3	RS0256	1	Bolt , transmission cooler attaching	
4	RS2058	1	Nut , transmission cooler attaching	
5	RS0302	1	Bolt , transmission cooler bracket attaching	
6	R090405	1	Bracket , transmission cooler	
7	RS2180	1	Lockwasher , transmission cooler bracket attaching	
8	RS1028	1	Nut , transmission cooler bracket attaching	
9	R024010	4	Fitting , 90 degree	
10	RA045007R	1	Hose Assembly , transmission to cooler	
11	R069078	1	Plug , cooling system drain	
12	R024276	1	Fitting , drain plug adapter	
13	RA156013	1	VDrive Assembly , 1.72:1 ratio	
14	R024268	2	Elbow , VDrive 90 degree	
15	RS7026	8	Nut , VDrive attaching	
16	RS2179	8	Lockwasher , VDrive attaching	
17	R031035	8	Stud , VDrive attaching	
18	20865	1 ft.	Hose , 1 1/4" ID wire reinforced	
19	RS0337	4	Bolt , transmission attaching	
20	RS2181	5	Lockwasher , transmission attaching / cooler bracket attaching	
21	RA045007C	1	Hose Assembly , cooler to transmission	
22	RA157025E	1	Transmission , 1:1 80 Series Electric	
23	R041091	2	Dipstick , VDrive oil level	
24	RS0327	1	Bolt , transmission cooler bracket attaching	
25	RS3858	2	Clamp , hose (#20)	
26	R121117	1	Harness , electric shift	

HOODS AND DECALS - FIGURE 21



HOODS AND DECALS - FIGURE 21

ITEM	PART NO.	QTY.	DESCRIPTION	MODEL ID
1	R143263	1	Decal , flame arrestor	
2	R143252	1	Decal , belt routing	
3	R143257	1	Decal , specification	
4	R143253	1	Decal , RWP "top"	
5	L190231	1	Hang Tag , first oil change	
6	R143254-XX	1	Label , EPA emissions	
7	R143255-XX	1	Label , CARB emissions	
8	R143264	1	Decal , drain plug bracket	
9	NA	1	Tag , checking transmission fluid	
10	22835	2	Decal , battery ground	
11	R079076	1	Header , fuel filter/water separator	
12	R077019	1	Filter , fuel/water separator	
13	R143161A	1	Decal , CARB emission	
14	R143215	1	Decal , water drain warning	
15	R143175	1	Decal , "caution hot"	
16	L510010D-XX	1	Manual , owner's operation and maintenance	
17	R143114	1	Decal , fcc fuel leakage warning	
18	NA	1	Decal , sta-bil	
19	R143156	4	Decal , raw water drain	
20	L190223	1	Tag , "caution winter/knock sensor"	
21	R143194	2	Decal , emissions 4-star	
22	R143001C	2	Decal , serial number	
23	L190230	1	Tag , fuel pump disconnected	
24	22289	1	Tag , ok for shipment	
25	22201	1	Tag , caution, low oil	
26	R143112D	1	Decal , fuel control cell	
27	R128001C	10	Cover , hose clamp	
28	R127038A	3	Cable Tie , 6"	
29	R143155	2	Decal , anode warning	
30	R180001	1	Support , engine cover	
31	R095044	2	Stud , fuel rail / engine cover retention	
32	97224300	2	Nut , engine cover retention stud	
33	R143265	2	Decal , catanium chromax	
34	R060097	1	Cover , engine	02-xxxxx-xx
34	R060099	1	Cover , engine	15-xxxxx-xx
34	R060100	1	Cover , engine	18-xxxxx-xx
35	R143266	1	Decal , hood center insert	
36	R143258	1	Decal , engine cover	
37	R060067	1	Decal , engine cover H5	