



Trans Atlantic Diesels, Inc.

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Cummins 4B3.3-M

Parts Book

Marinization Components

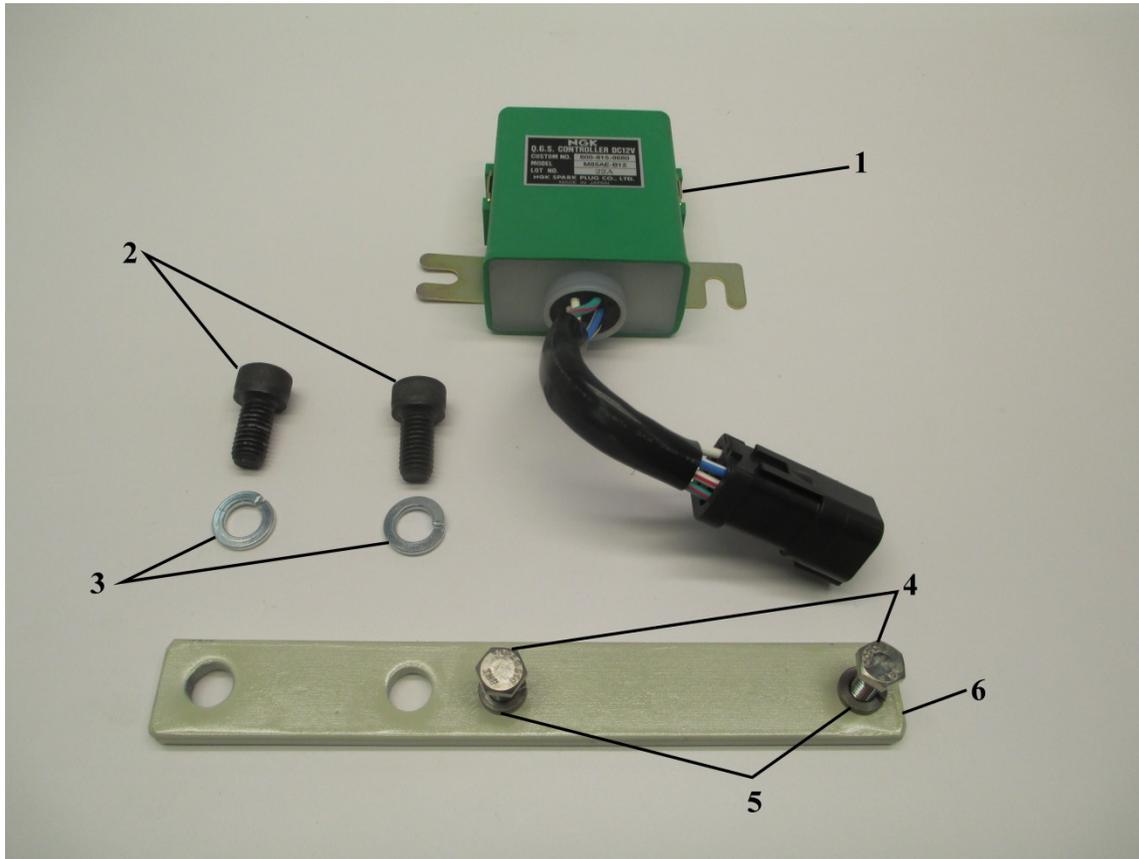
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Supplement to Engine Parts Manual

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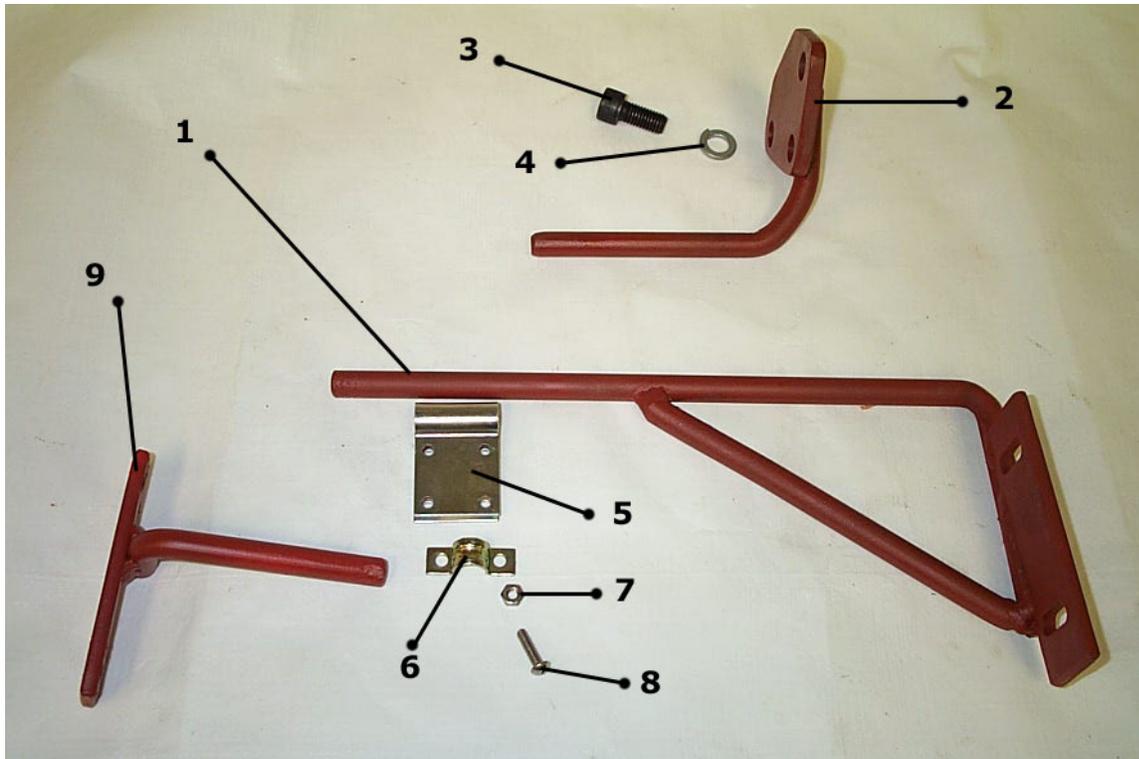
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Cold Start Controller and Mounting Bracket



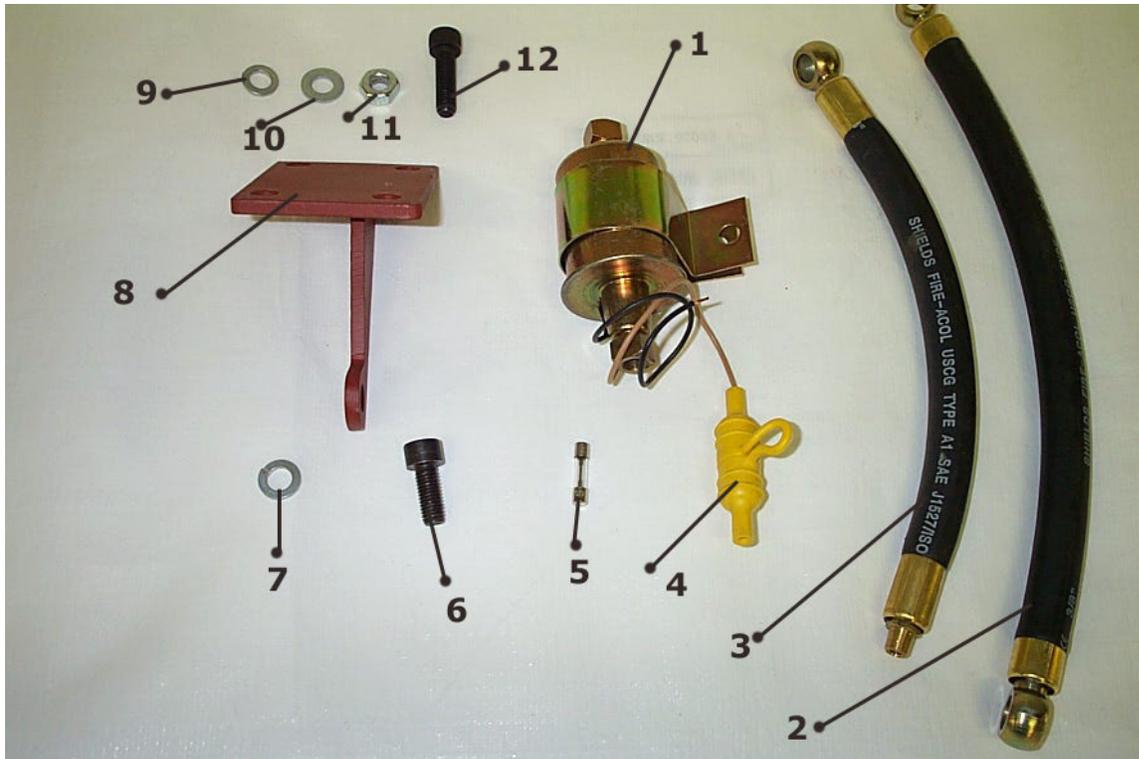
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M83001	Cold Start Controller	1
2	M23013	Socket Cap Screw, M10 x 20mm	2
3	M11018	Lock Washer, M10	2
4	M83002	Bracket Mounting Bolt, 1/4" - 20 x 5/8"	2
5	M83003	Lock Washer, 1/4"	2
6	M83004	Cold Start Control Bracket	1

Throttle / Control Cable Brackets



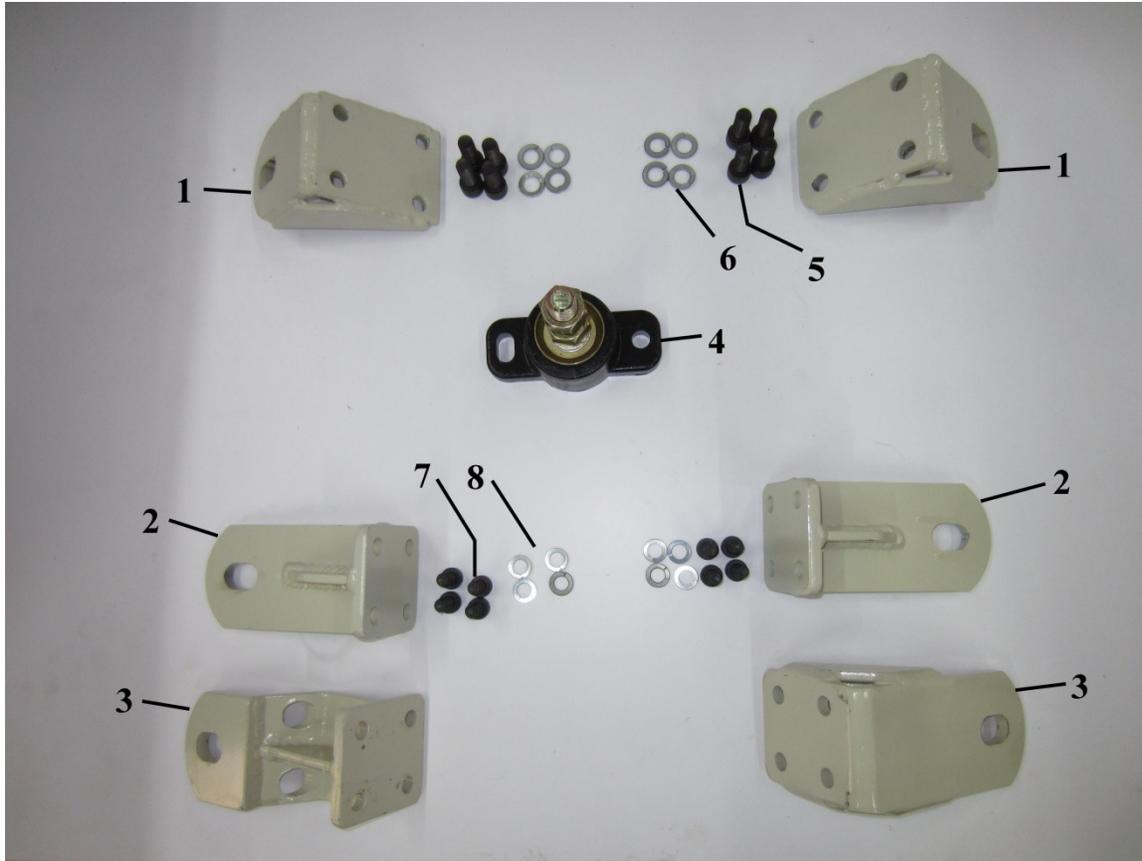
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M71010	Throttle Cable Rear Entry Bracket, option	1
2	M71011	PRM Transmission Shift Mount Bracket	1
3	M71012	Socket Cap Screw, M12 x 25mm	3
4	M61015	Lock Washer, M12	3
5	M71014	Morse Control Clamp to Bracket	1
6	M71015	Morse Cable Mounting Clamp	1
7	M71016	Lock Nut, 10-24	2
8	M71017	Set Screw, 10-24 x 3/4"	2
9	M71018	Throttle Cable Front Entry Bracket, Std.	1

Electric Fuel Pump Assembly



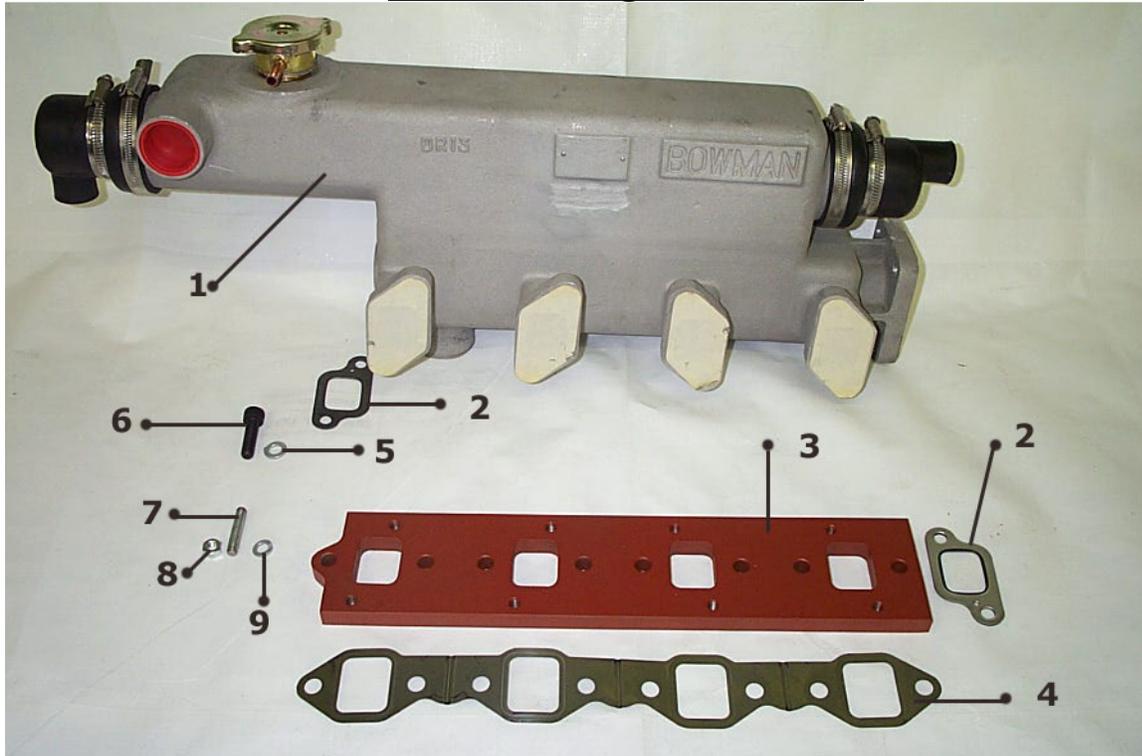
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M51010	Electric Fuel Pump	1
2	M51011	Fuel Line (Fuel Pump to Injector Pump)	1
3	M51012	Fuel Line (Fuel Pump to Fuel Filter)	1
4	M51013	Fuse Assembly	1
5	M51014	Fuse	1
6	M11019	Socket Cap Screw, M10 x 25mm	2
7	M11018	Lock Washer, M10	2
8	M51017	Fuel Filter Bracket	1
9	M11018	Lock Washer, M10	2
10	M51019	Flat Washer, M10	2
11	M51020	Hex Nut, M10 1.50P	2
12	M41015	Socket Cap Screw, M10 x 35mm	2

Engine Supports & Isolator Pads



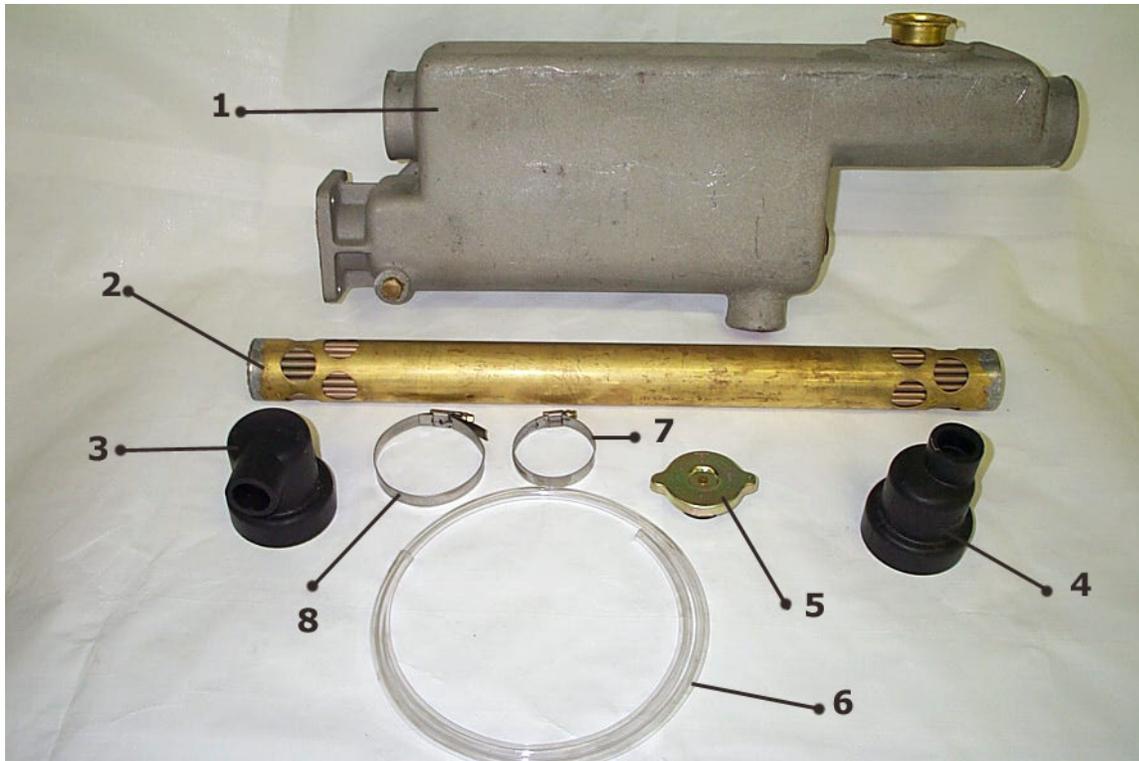
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1a	M61012	Rear Support, Port	1
1b	M61012	Rear Support, Starboard	1
2a	M61011	Front Support, Standard, Port	1
2b	M61011	Front Support, Standard, Starboard	1
3a	M83005	Front Support, Custom Center Line, Port	1
3b	M83006	Front Support, Custom Center Line, Strbrd	1
4	M61017	Isolator Pad	4
5	M61015	Lock Washer, M12	8
6	M61016	Socket Cap Screw, M12 x 30 mm	8
7	M11018	Lock Washer, M10	8
8	M11019	Socket Cap Screw, M10 x 25mm	8

Exhaust Manifold/Heat Exchanger/Tank Assembly & Mounting Hardware



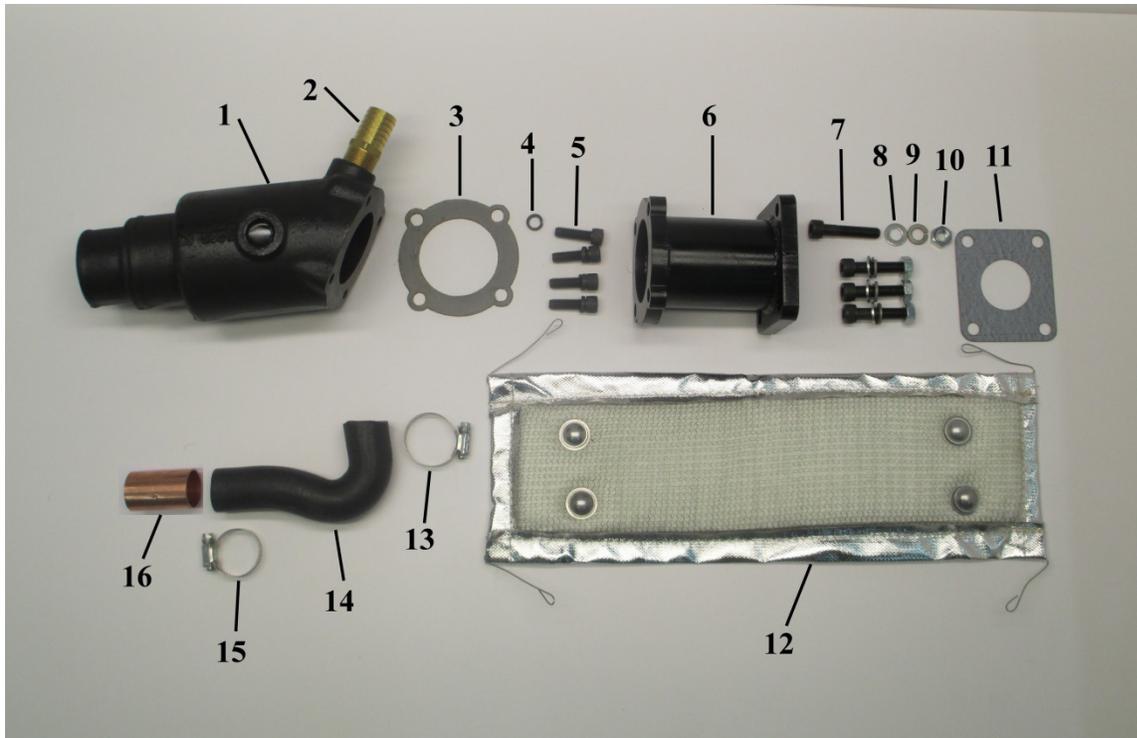
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M41010	Exhaust Manifold, Heat Exchanger, and Tank Assembly	1
2	M41011	Mounting Gaskets	4
3	M41012	Mounting Plate	1
4	M41013	Gasket, Mounting Plate to Cylinder Head	1
5	M11018	Lock Washer, M10	8
6	M41015	Socket Cap Screw, M10 x 35mm	8
7	M41016	Stud, 1 5/8" x M8	8
8	M11015	Hex Nut, M8 1.25P	8
9	M11017	Lock Washer, M8	8

Exhaust Manifold/Heat Exchanger/Tank Assembly Components



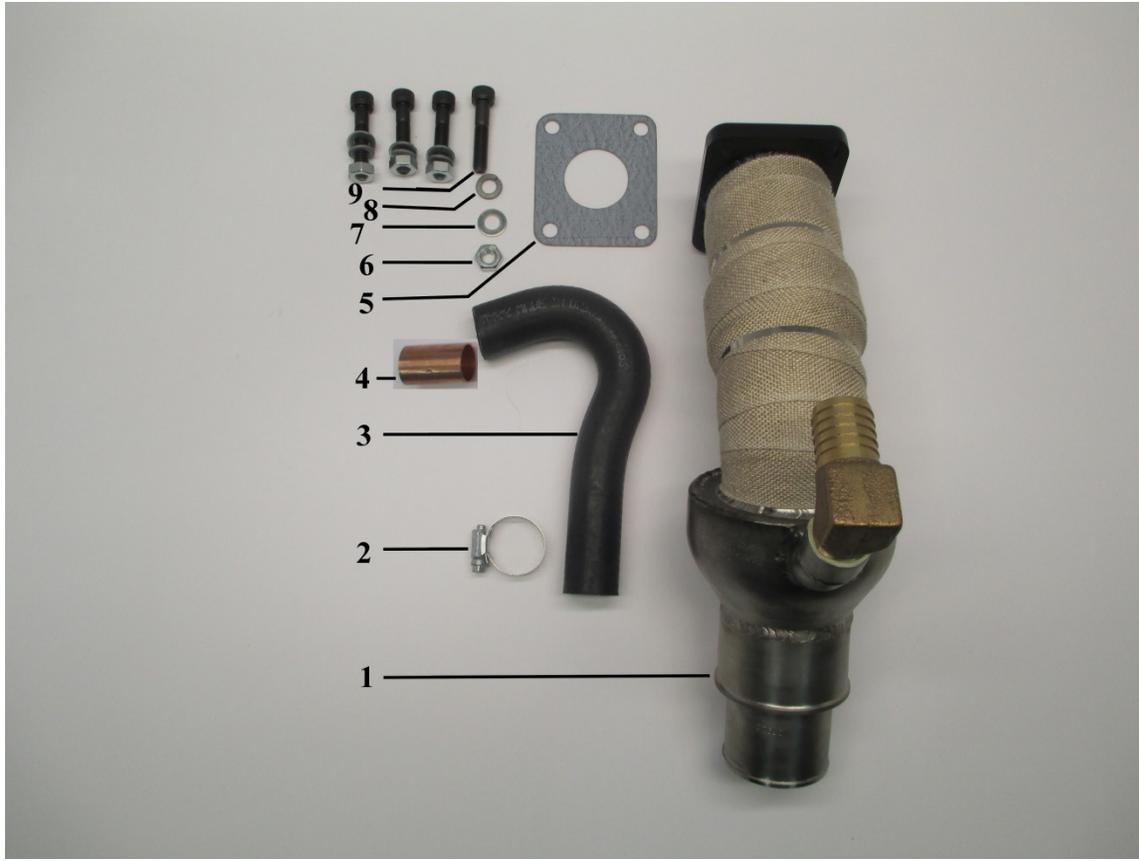
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M41010	Exhaust Manifold, Heat Exchanger, and Tank Assembly	1
2	M42010	Heat Exchanger Tube Stack	1
3	M42011	Rubber End Cap, 90° inlet	1
4	M42012	Rubber End Cap, Straight outlet	1
5	M42013	Cap	1
6	M42014	Tube, 3'L x ¼" ID	1
7	M42015	Hose Clamp, 40-60mm	2
8	M42016	Hose Clamp, 60-80mm	2

Exhaust Outlet with Fiberglass Heat Shield



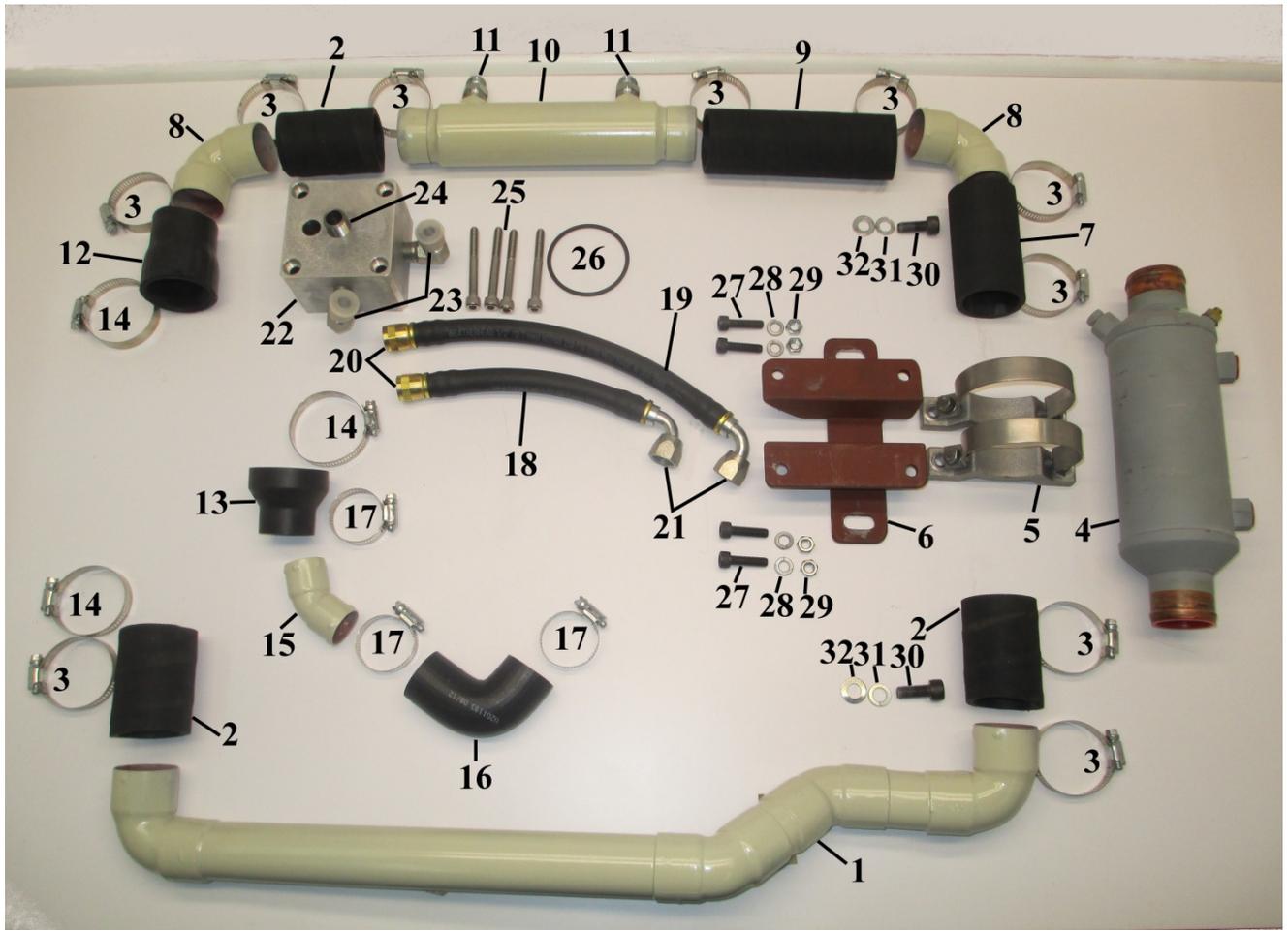
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M31010	Exhaust Elbow, 30°	1
2	M83007	Adapter, 3/4" NPT x 1" barbed fitting	1
3	M83008	Gasket, Elbow to Flange	1
4	M83009	Lock Washer, 3/8" Hi-Collar	4
5	M83010	Socket Cap Screw, 3/8-16 x 1 1/4"	4
6	M31011	Exhaust Flange	1
7	M31013	Hex Bolt, M10 x 50mm 1.5P	4
8	M51019	Flat Washer, M10	4
9	M11018	Lock Washer, M10	4
10	M31014	Hex Nut, M10 1.5P	4
11	M31012	Gasket, Flange to Manifold	1
12	M83011	2.5"wide Exhaust Blanket	1
13	M21014	Hose Clamp, #20	1
14	M31018	Hose from Heat Exchanger to Elbow	1
15	M31016	Hose Clamp, #16	1
16	M31017	Copper Straight Fitting 3/4" x 2"	

Stainless Steel Exhaust Outlet Option



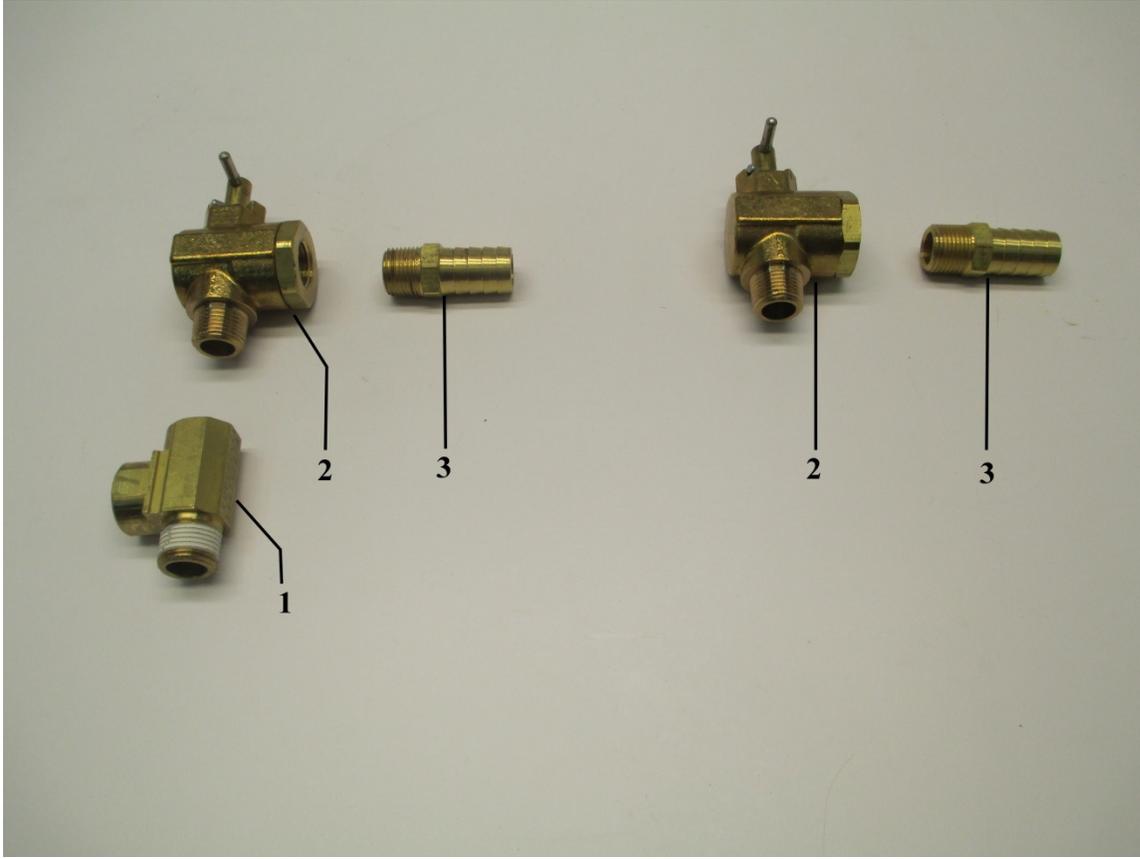
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M83012	Stainless Steel Exhaust Elbow	1
2	M21014	Hose Clamp, #20	2
3	M31018	Hose from Heat Exchanger to Elbow	1
4	M31017	Copper Pipe	1
5	M31012	Gasket, Elbow to Manifold	1
6	M31014	Hex Nut, M10 1.5P	4
7	M11018	Lock Washer, M10	4
8	M51019	Flat Washer, M10	4
9	M31013	Hex Bolt, M10 x 50 mm	4

Fresh Water Cooling System



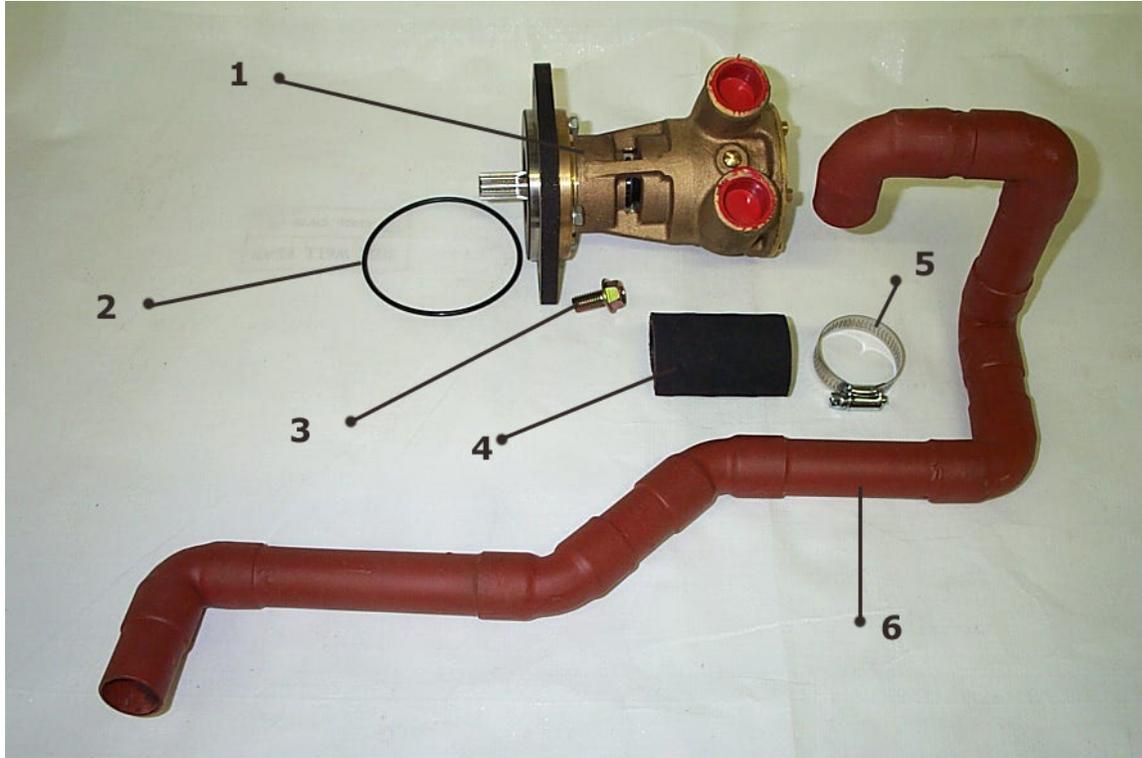
Item #	Cummins Part #	Description	Qty
1	M22010	Water Pipe, Fresh Water Cooling	1
2	M22011	Hose, Water Supply to Pipe; Pipe to Transmission Oil Cooler Outlet Side; Engine Oil Cooler to 90° Elbow	3
3	M22013	Hose Clamp, #28	10
4	M83013	Transmission Oil Cooler	1
5	M83014	Oil Cooler Clamp	2
6	M83015	Transmission Oil Cooler Support Bracket	1
7	M83016	Hose, 90° Elbow to Transmission Oil Cooler Inlet Side	1
8	M83017	90° Elbow	2
9	M83018	Hose, 1 3/4" ID X 6" L	1
10	M83019	Engine Oil Cooler	1
11	M91023	Adaptor, Straight Connection	2
12	M83020	Reducer, 2" ID to 1 3/4" ID x 2 1/2" L	1
13	M83021	Reducer, Bowman Top Front Side	1
14	M22014	Hose Clamp #32	3
15	M83022	45° Elbow	1
16	M83023	Hose, 90°;Thermostat Neck to 45° Elbow	1
17	M21014	Hose Clamp #20	3
18	M83024	Tube, 7 1/2"L	1
19	M83025	Tube, 11 1/2"L	1
20	M83026	Female Push On	2
21	M83027	90° Swivel Fitting	2
22	M83028	Oil Filter Cooler Adapter	1
23	M91024	90° Adapter Connection	2
24	M83029	Nipple	1
25	M83030	Socket Cap Screw, M8 x 70mm	4
26	M83031	O-Ring, Mounting Oil Filter Cooler Adapter	1
27	M11016	Socket Cap Screw, M8 x 30mm	4
28	M11017	Lock Washer, M8	4
29	M83032	Hex Nut, M8 1.25	4
30	M23013	Socket Cap Screw, M10 x 20mm	2
31	M11018	Lock Washer, M10	2
32	M51019	Flat Washer, M10	2

Hot Water Heater Valve Kit



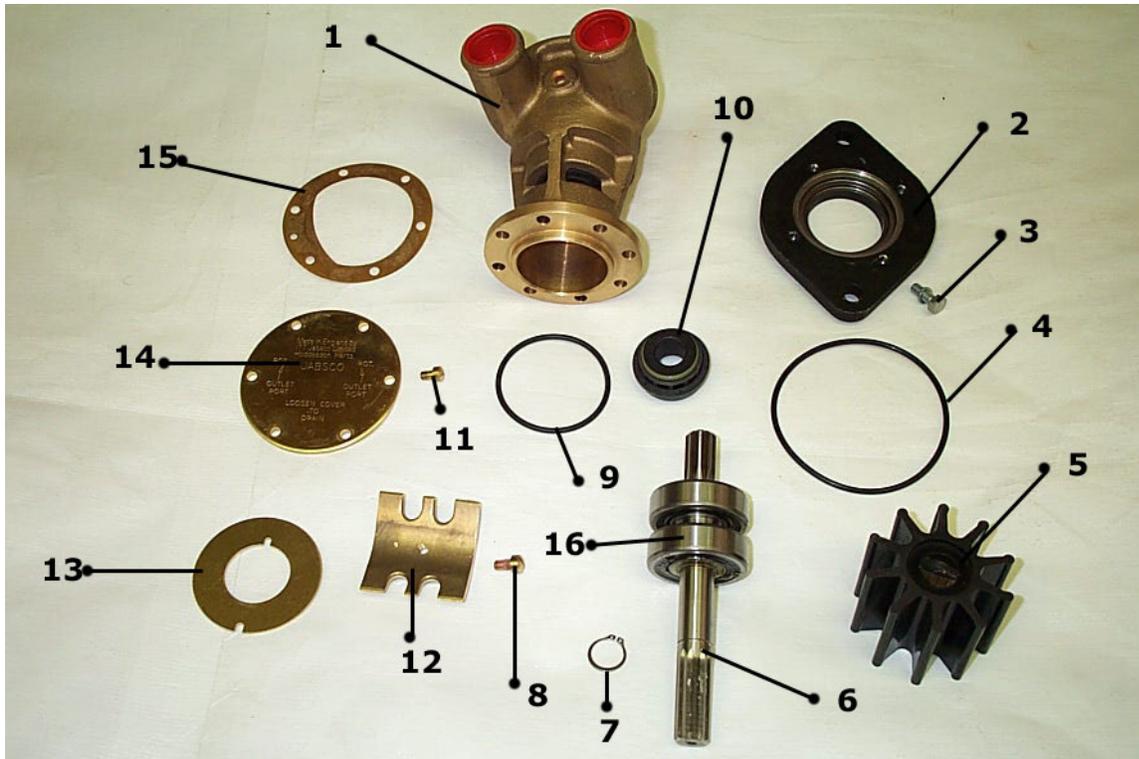
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M83045	Tee Fitting, 3/8" NPT	1
2	M83046	Ball Valve, 3/8" NPT	2
3	M83047	Adapter, 3/8" NPT to 5/8" barb	2

Raw Water Pump Assembly



<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M21010	Raw Water Pump – Assembled	1
2	M21011	O Ring, Mounting Raw Water Pump	1
3	M21012	Hex Bolt, M10 x 20mm	2
4	M21013	Hose, Raw Water Pump Outlet to Water Pipe	1
5	M21014	Hose Clamp, #20	2
6	M21015	Water Pipe, Raw Water Pump to Manifold	1

Raw Water Pump Assembly Parts



<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M21016	Raw Water Pump Assembly	1
2	M21017	Mounting Plate	1
3	M21018	Mounting Screws	4
4	M21011	O Ring, Mounting Raw Water Pump	1
5	M21019	Jabsco Impeller	1
6	M21020	Shaft	1
7	M21021	Circlip	1
8	M21022	Cam Screw	1
9	M21023	O Ring, Raw Water Pump End Cap	1
10	M21024	Seal Assembly (Water)	1
11	M21025	Jabsco End Cover Screws	6
12	M21026	Jabsco ½ Cam	1
13	M21027	Wear Plate	1
14	M21028	End Cover	1
15	M21029	End Cover Gasket	1
16	M21030	Bearings	2

Air Intake Cap



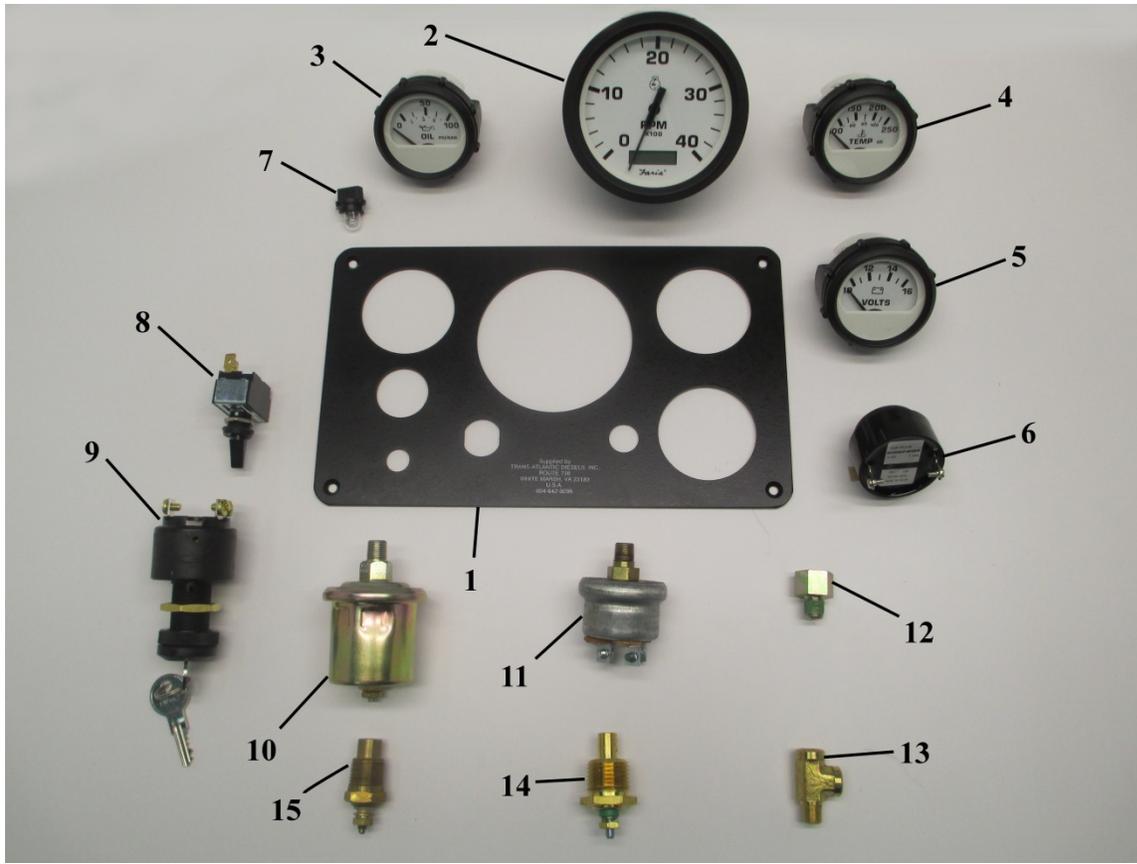
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M31020	Air Intake Cap	1
2	M31023	Clamp, Air Intake Cap #40	1

Instrument Panel Assembly and Wiring Harness



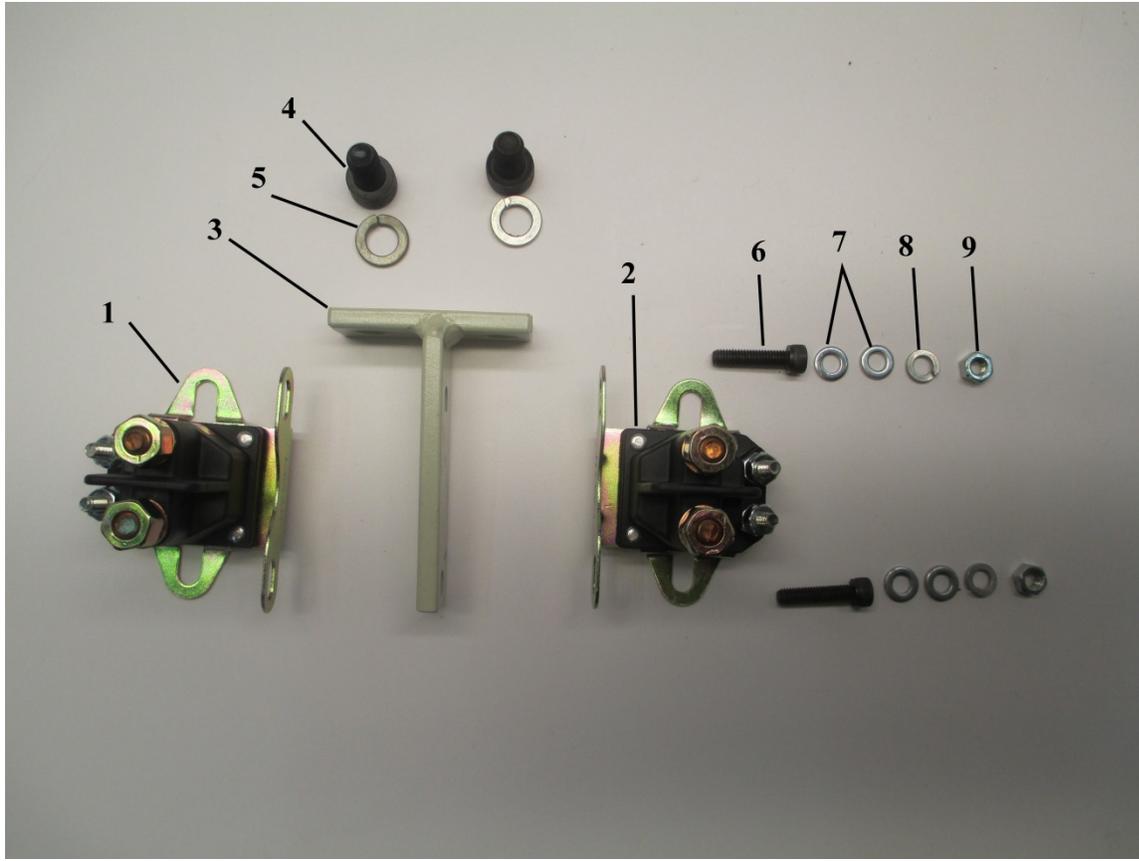
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M81010	Instrument Panel	1
2	M81011	Engine Harness	1
3	M81012	Extension Harness, 5', 10', 15', 20'	1

Instrument Panel Components



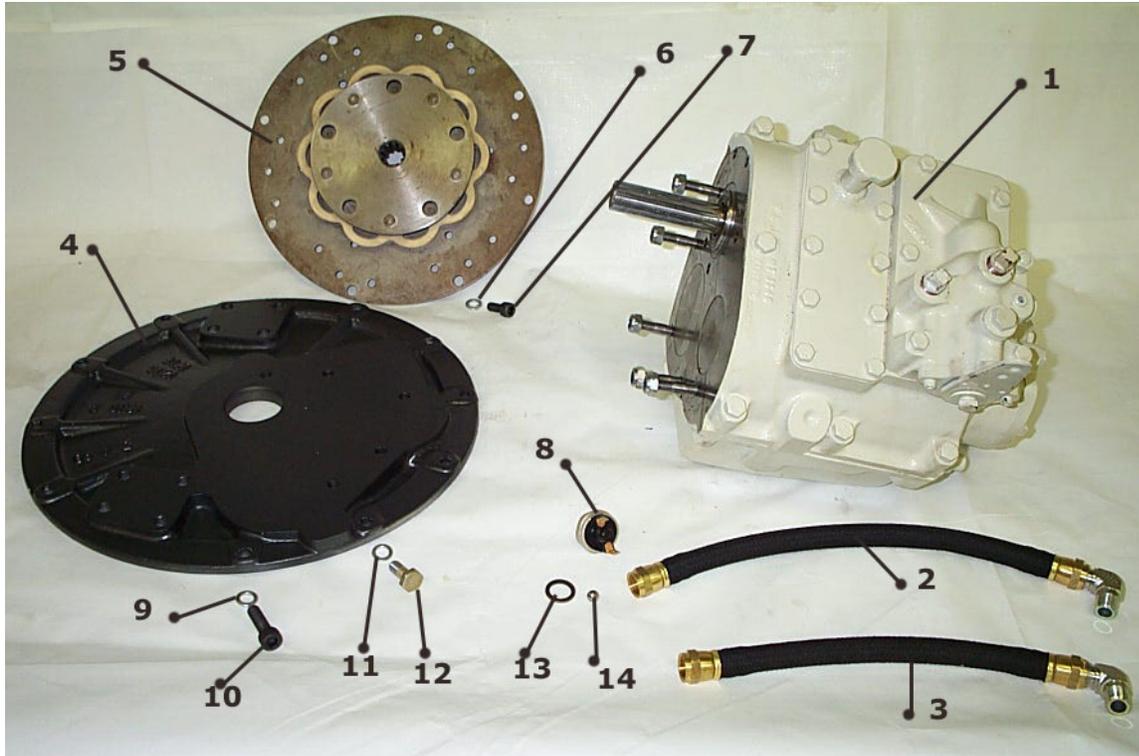
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M83036	Base Panel Faceplate	1
2	M82011	Tachometer 0-4000	1
3	M82010	Oil Pressure Gauge	1
4	M82015	Water Temperature Gauge	1
5	M82013	Volt Meter	1
6	M83037	Alarm	1
7	M83038	Gauge Light Bulb	1
8	M83039	Panel Light Switch	1
9	M82019	Key Switch	1
10	M83040	Oil Pressure Gauge Sender	1
11	M83041	Oil Pressure Alarm Switch	1
12	M83042	Oil Pressure Fitting Adapter	1
13	M83043	1/8 Oil Pressure Tee Adapter	1
14	M83044	Water Temperature Alarm Switch	1
15	M83045	Water Temperature Gauge Sender	1

Relays and Mounting Hardware



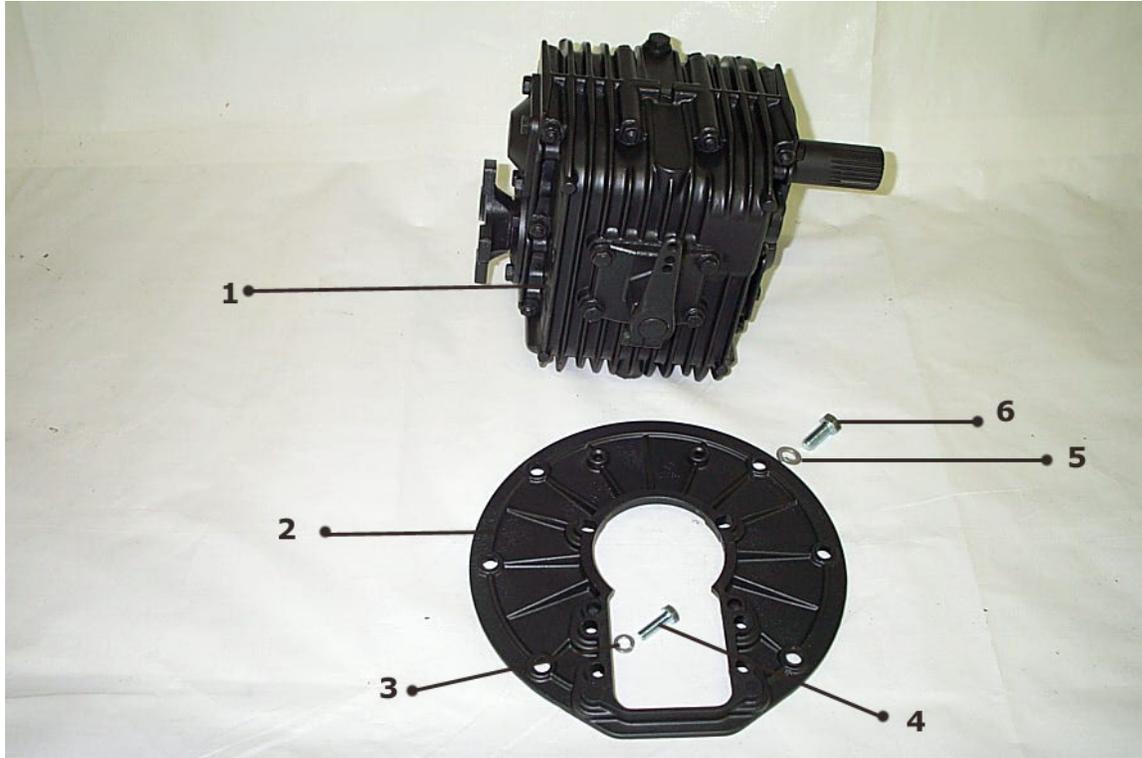
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M83046	Starter Motor Relay	1
2	M83046	Cold Start Relay Controller	1
3	M83047	Relay Mounting Bracket	1
4	M23013	Socket Cap Screw, M10 x 20mm	2
5	M11018	Lock Washer, M10	2
6	M83048	Socket Cap Screw, M6 x 30mm	2
7	M83049	Flat Washer, M6	4
8	M83050	Lock Washer, M6	2
9	M83051	Hex Nuts, M6 1.0P	2

PRM Transmission, Adapters & Oil Cooler Lines



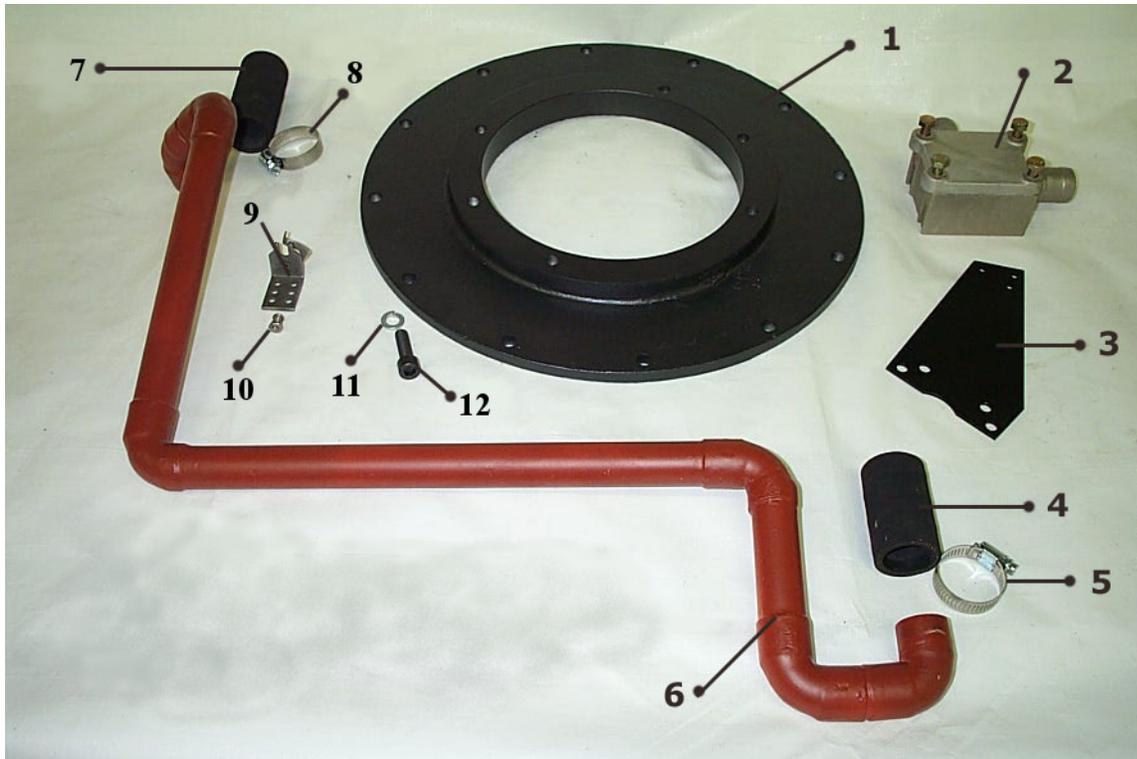
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1a	M94010	PRM260 Marine Gear PRM260D 1.96:1 OR 2.94:1	1
1b	M94010	PRM260 Marine Gear PRM260C 1.96:1 OR 2.94:1	
2	M94011	13" Oil Hose with connectors	1
3	M94012	10" Oil Hose with connectors	1
4	M94013	Adapter, PRM Marine Gear	1
5	M94014	Drive Plate, PRM Marine Gear	1
6	M11018	Lock Washer, M10	8
7	M23013	Socket Cap Screw, M10 x 20mm	8
8	M94015	Neutral Safety Switch include #13 & #14	1
9	M11018	Lock Washer, M10	8
10	M41015	Socket Cap Screw, M10 x 35mm	8
11	M11018	Lock Washer, M10	4
12	M94016	Hex Bolt, M10 x 25mm	4
13	w/M94015 only	Copper Sealing Washer	1
14	w/M94015 only	Steel Ball	1

Hurth HBW 250 Marine Transmission



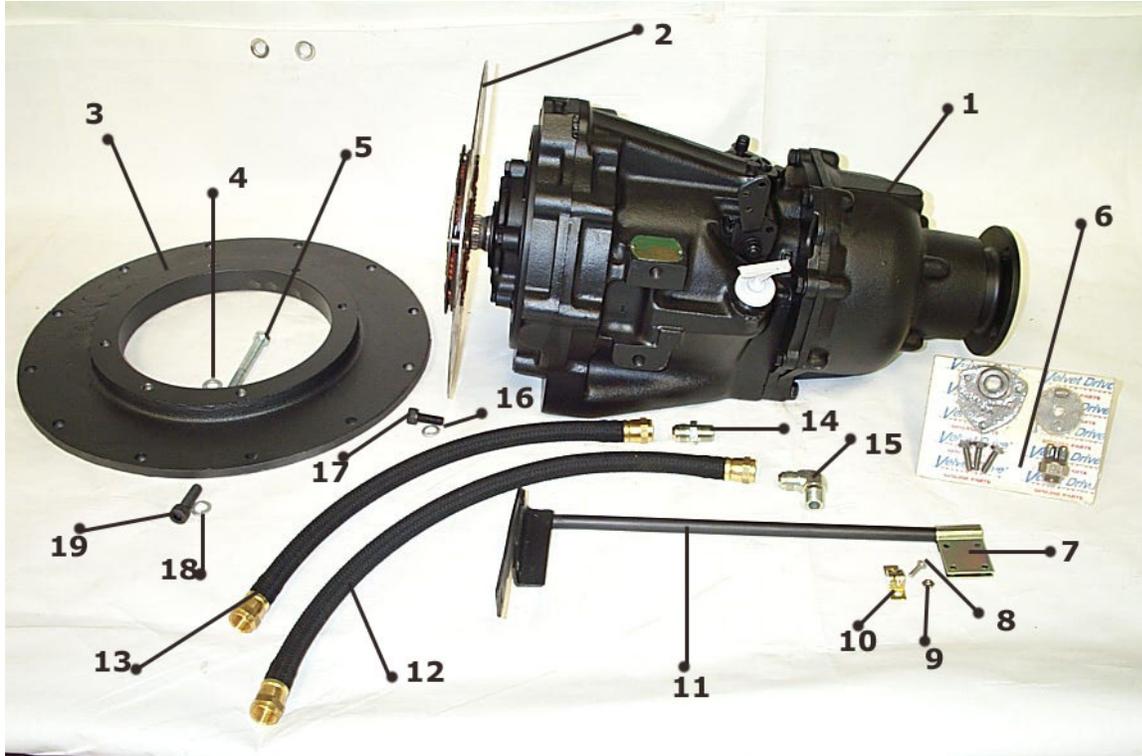
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1a	M92010	Hurth HBW250 Marine Gear 408-089 1.88:1	1
1b	M92010	Hurth HBW250 Marine Gear 408-090 2.74:1	
2	M92011	Adapter – Hurth Marine Gear	1
3	M11017	Lock Washer, M8	6
4	M92013	Hex Screw, M8 x 25mm 1.25P	6
5	M91013	Lock Washer, 7/16"	6
6	M92014	Hex Screw, 7/16 – 14 x 1"	6

Hurth Transmission Adapter & Oil Cooler



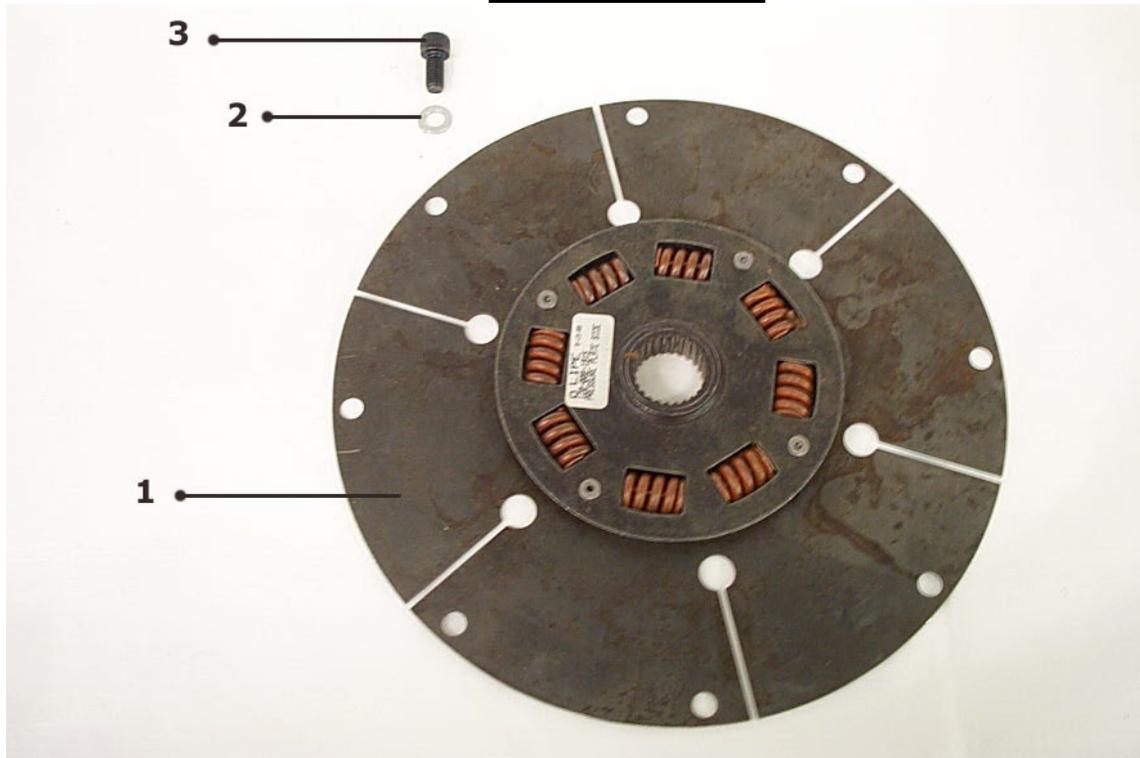
Item #	Cummins Part #	Description	Qty
1	M93010	Adapter, Hurth Marine Gear to SAE #4	1
2	M93011	Transmission Oil Cooler, Hurth	1
3	M93012	Transmission Shift Bracket	1
4	M93014	Hose, Hurth Transmission to Raw Water Pipe	1
5	M21014	Hose Clamp #20	2
6	M93016	Water Pipe, Raw Water Pump to Hurth	1
7	M93018	Hose, 90° Elbow to Transmission Oil Cooler	1
8	M21014	Hose Clamp #20	2
9	M83058	Morse Clamp Bracket	1
10a	M93020	Machine Screw, Phillips Head, 10-24 x 1/2"	2
10b	M93020	Lock Nut 10-24	2
11	M11018	Lock Washer, M10	12
12	M93021	Socket Cap Screw, M10 x 35mm	12

Borg Warner Transmission, Adapters & Oil Lines



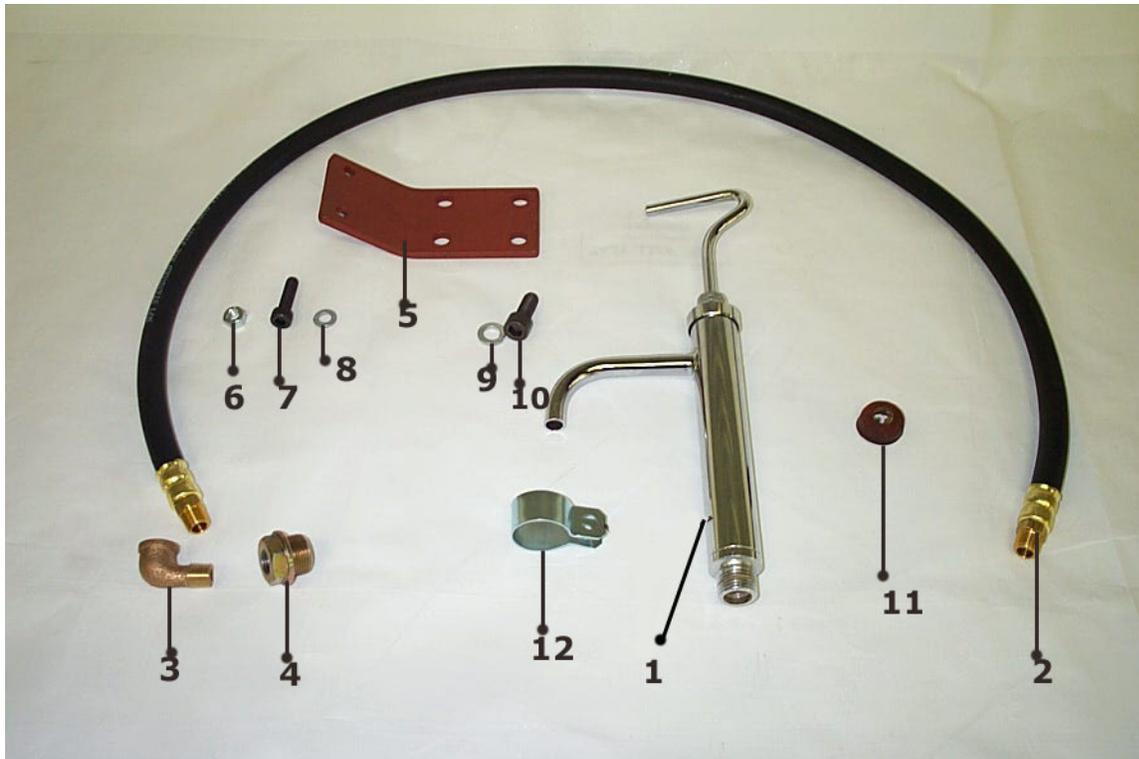
Item #	Cummins Part #	Description	Qty
1	M91010	Borg Warner Marine Gear	1
2	M91011	Plate, Marine Drive Gear	1
3	M91012	Adapter Plate, Marine Gear to SAE #4	1
4	M91013	Lock Washer, 7/16"	6
5	M91014	Hex Bolt, 7/16" -14UNC x 3 1/2"	6
6	M91015	Neutral Safety Switch Assembly	1
7	M91016	Morse Control Clamp to Bracket	1
8	M71017	Set Screw, 10-24 x 3/4"	2
9	M71016	Lock Nut, 10-24	2
10	M91019	Morse Cable Mounting Clamp	1
11	M91020	Transmission Shift Bracket	1
12	M91021	Oil Hose with fittings, 21"	1
13	M91022	Oil Hose with fittings, 16"	1
14	M91023	Adaptor, Straight Connection	1
15	M91024	90° Adaptor Connection	1
16	M11018	Lock Washer, M10	8
17	M23013	Socket Cap Screw, Drive Plate, M10 x 20mm	8
18	M11018	Lock Washer, M10	12
19	M11019	Socket Cap Screw, M10 x 25mm	12

Drive Plate for Hurth HBW 250 & Borg Warner Transmission



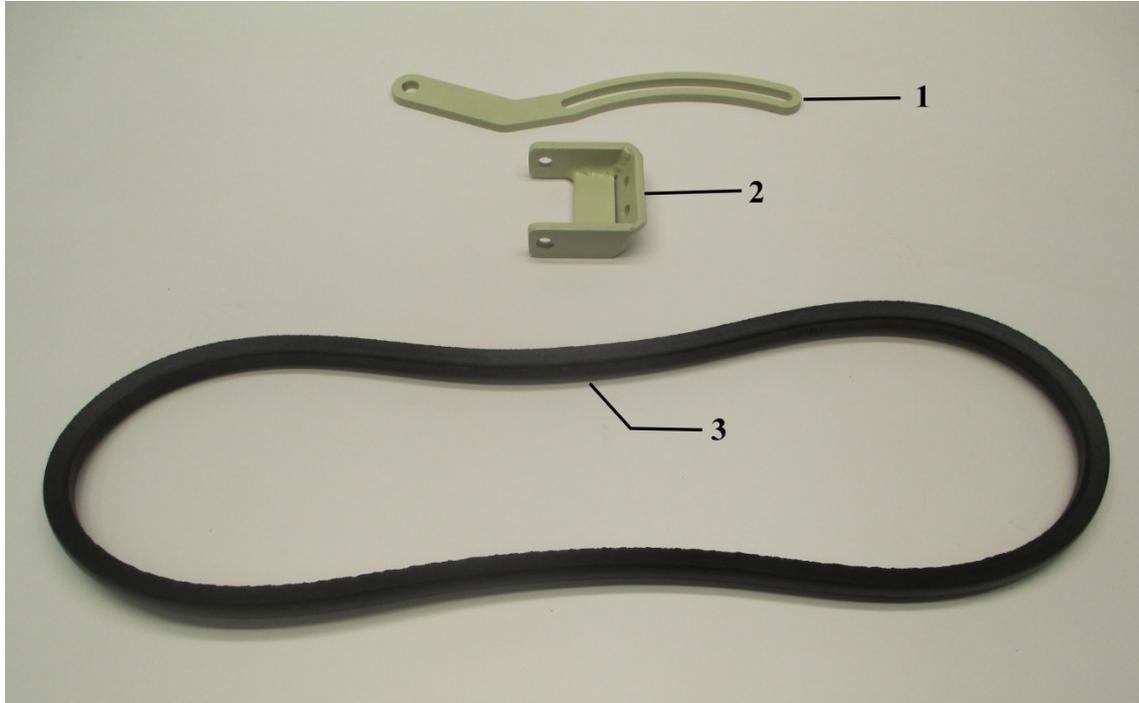
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M91011	Plate, Marine Drive Gear	1
2	M11018	Lock Washer, M10	8
3	M23013	Socket Cap Screw, M10 x 20mm	8

Sump Pump Assembly Kit



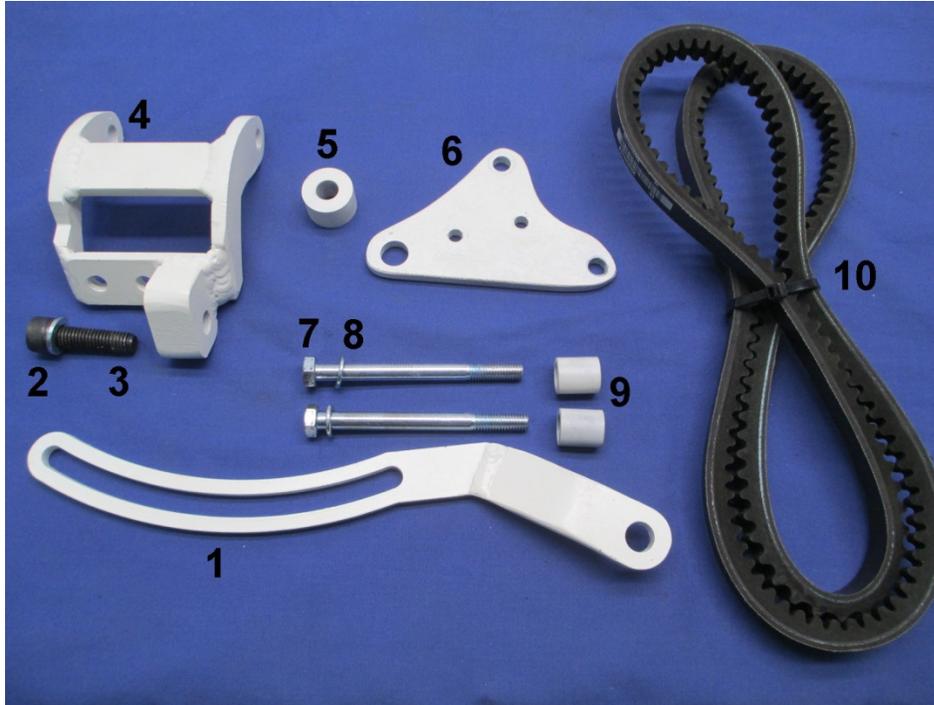
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M11010	Hand Sump Pump	1
2	M11011	Oil Hose w/ fittings	1
3	M11012	Fitting – 90° L ¼" pipe	1
4	M11013	Oil Pan Drain Adapter	1
5	M11014	Pump Bracket	1
6	M11015	Hex Nut, M8 1.25p	2
7	M11016	Socket Cap Screw, M8 x 30mm	2
8	M11017	Lock Washer, M8	2
9	M11018	Lock Washer, M10	4
10	M11019	Socket Cap Screw, M10 x 25mm	4
11	M11020	Service Kit for Oil Sump Pump (older model)	1
12	M11021	Pump Clamp Bracket	1

Standard Alternator Mounting Brackets



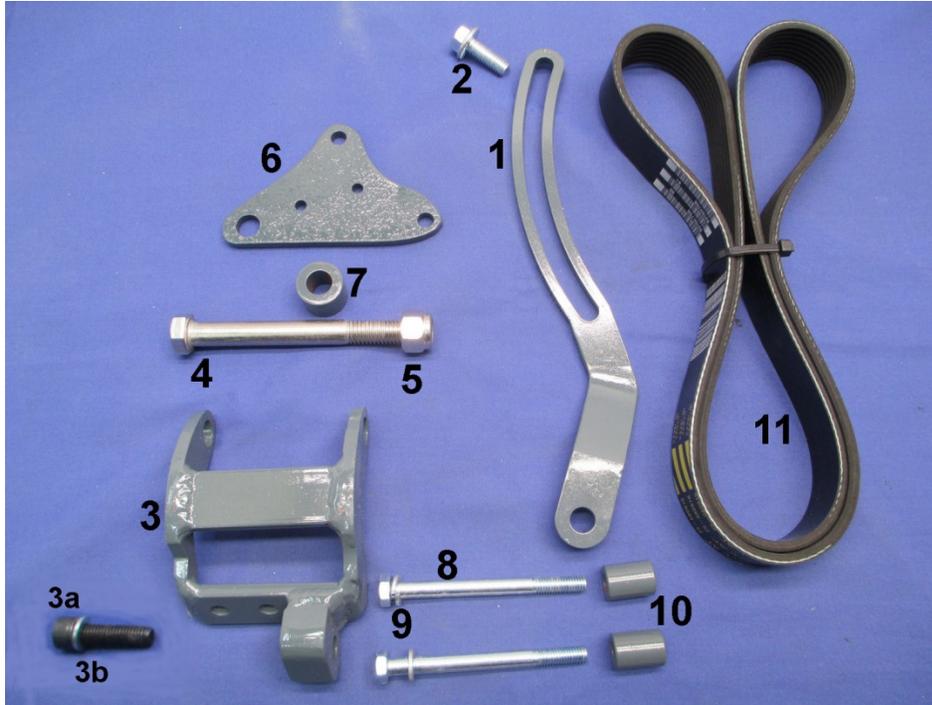
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M01010	Standard Alternator Adjusting Arm	1
2	M01011	Standard Alternator Mounting Bracket	1
3	M01012	Standard Belt	1

Balmar 621 Series Alternator Mounting Brackets



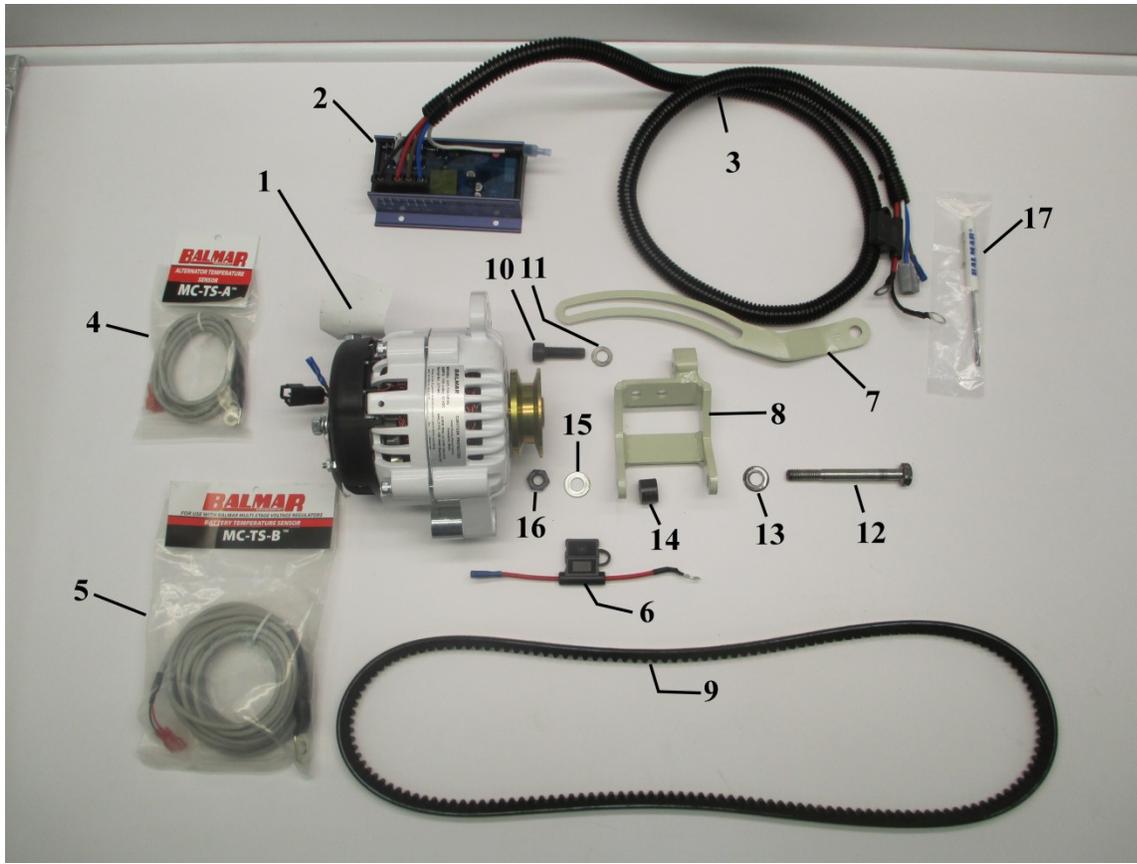
<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M02026	Alternator Adjusting Arm for Balmar 621 series	1
2	M41015	Socket Cap Screw, M10 x 35mm	1
3	M11018	Lock Washer, M10	1
4	M02027	Alternator Mounting Bracket for Balmar 621 series	1
5	M02025	Spacer, 0.55" bore x 1" thick	1
6	M02028	Alternator Support Bracket for Balmar 621 series	1
7	M11022	Hex Screw, M8-1.25 x 90mm	2
8	M11017	Lock Washer, M8	2
9	M02029	Spacer, 0.841" bore x 5/8" thick	2
10	M02013	V-Belt for use with Balmar 621 series	1

Balmar AT-200 Alternator Mounting Brackets



<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M83069	Alternator Adjusting Arm	1
2	M03014	Hex Screw, 3/8-16 x 1", serrated	1
3	M83070	Alternator Mounting Bracket	1
3a	M41015	Socket Cap Screw, M10 x 35mm	1
3b	M11018	Flat Washer, M10	1
4	M03016	Hex Cap Screw, 1/2-13 x 4 1/2"	1
5	M03017	Nylock Nut, 1/2-13	1
6	M83071	Alternator Support	1
7	M83072	Spacer, 0.702" bore x 1" thick	1
8	M11022	Hex Screw, M8-1.25 x 90mm	2
9	M11017	Lock Washer, M8	2
10	M83073	Spacer, 0.986" bore x 5/8" thick	2
11	M03012	Serpentine Belt for use with AT-200	1

Balmar 621 Series High Output Alternator Kit



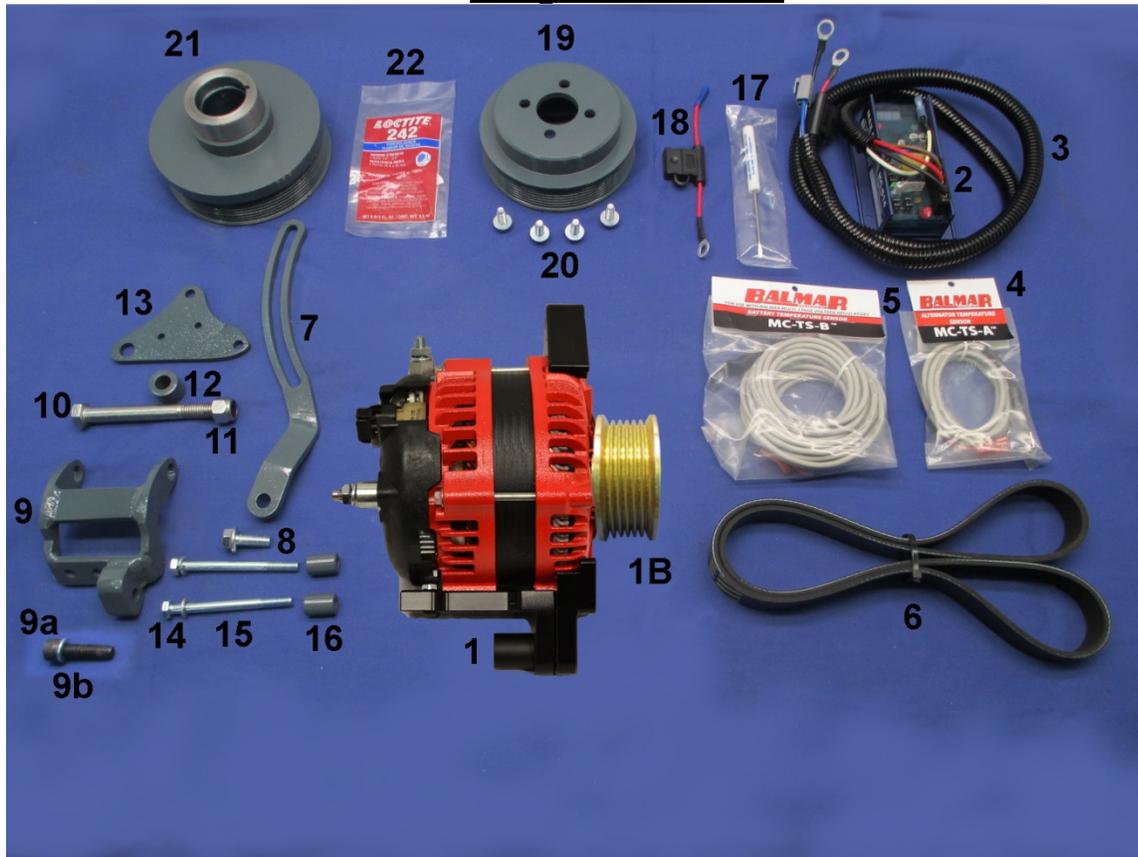
Item #	Cummins Part #	Description	Qty
1	M02010	Balmar Alternator, 70 amp, 100 amp, 120 amp, or 150 amp	1
1B	M02012	Alternator Pulley for V-Belt	1
2	M02016	ARS-3 Multi Stage Programmable Regulator	1
3	M83052	Wiring Harness	1
4	M83053	Alternator Temperature Sensor	1
5	M83054	Battery Temperature Sensor	1
6	M83055	Fuse	1
7	M02026	Alternator Adjusting Arm	1
8	M02027	Alternator Mounting Bracket	1
9	M02013	V-Belt for use with Balmar 621 series	1
10	M41015	Socket Cap Screw, M10 x 35mm	1
11	M11018	Flat Washer, M10	1
12	N/A	Hex Bolt, 3/4" x 10mm – comes on engine, shown for identification purposes only	1
13	N/A	Flat Washer, M10 – comes on engine, shown for identification purposes only	1
14	M02025	Spacer, 0.55" x 1" thick	1
15	N/A	Flat Washer, M10 – comes on engine, shown for identification purposes only	1
16	N/A	Hex Nut, M10 x 10mm – comes on engine, shown for identification purposes only	1
17	M02017	Tool, (required for regulator adjustment)	1

Balmar 621 Series High Output Alternator Kit With Serpentine Belt



Item #	Cummins Part #	Description	Qty
1	M02010	Balmar Alternator, 70 amp, 100 amp, 120 amp, or 150 amp	1
1B	M02030	Serpentine Alternator Pulley for Balmar 621	1
1C	M02031	Serpentine Alternator Pulley Bushing for Balmar 621	1
2	M02016	ARS-3 Multi Stage Programmable Regulator	1
3	M83052	Wiring Harness	1
4	M83053	Alternator Temperature Sensor	1
5	M83054	Battery Temperature Sensor	1
6	M83055	Fuse	1
7	M02026	Alternator Adjusting Arm for Balmar 621 series	1
8	M02027	Alternator Mounting Bracket for Balmar 621 series	1
9	M83065	Serpentine Belt	1
10	M41015	Socket Cap Screw, M10 x 35mm	1
11	M11018	Flat Washer, M10	1
12	N/A	Hex Bolt, 3/4" x 10mm – comes on engine	2
13	N/A	Flat Washer, M10 – comes on engine	2
14	M02025	Spacer, 0.55" x 1" thick	2
15	M02028	Alternator Support Bracket for Balmar 621 series	1
16	M02029	Spacer, 0.841" bore x 5/8" thick	1
17	M02017	Tool, (required for regulator adjustment)	1
18	M03013	Serpentine Water Pump Pulley	1
19	M03018	Hex Screw, M8-1.25 x 16mm	4
20	M83057	Serpentine Crankshaft Pulley	1
21	M95000	Loctite 242 Blue	1

Balmar AT-200 High Output Alternator Kit With Serpentine Belt



Item #	Cummins Part #	Description	Qty
1	M03010	Balmar AT Series 200 Amp High Output Alternator	1
1B	M03011	K8 Alternator Pulley	1
2	M02016	ARS-3 Multi Stage Programmable Regulator	1
3	M83052	Wiring Harness	1
4	M83053	Alternator Temperature Sensor	1
5	M83054	Battery Temperature Sensor	1
6	M03012	Serpentine Belt	1
7	M83069	Alternator Adjusting Arm for Balmar AT-200	1
8	M03014	Hex Screw, 3/8-16x1" serrated	1
9	M83070	Alternator Mounting Bracket for Balmar AT-200	1
9a	M41015	Socket Cap Screw, M10 x 35mm	1
9b	M11018	Flat Washer, M10	1
10	M03016	Hex Cap Screw, 1/2-13 x 4 1/2"	1
11	M03017	Nylock Nut, 1/2-13	1
12	M83072	Spacer, 0.702" bore x 1" thick	1
13	M83071	Alternator Support Bracket	1
14	M11022	Hex Screw, M8-1.25 x 90mm	2
15	M11017	Lock Washer, M8	2
16	M83073	Spacer, 0.986" bore x 5/8" thick	2
17	M02017	Tool, (required for regulator adjustment)	1
18	M83055	Fuse	1
19	M03013	Water Pump Pulley	1
20	M03018	Hex Screw, M8-1.25 x 16mm	4
21	M83057	Crankshaft Pulley	1
22	M95000	Loctite 242 Blue	1

Serpentine Belt Kit for Balmar 621 Series



<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	24-1270	Serpentine Alternator Pulley for Balmar 621 series	1
2	46-1620	Serpentine Alternator Pulley Bushing	1
3	M83057	Alternator Mounting Bracket – 621-Series	1
4	M41015	Socket Cap Screw, M10 x 35mm	1
5	M11018	Lock Washer, M10	1
6	M11022	Hex Screw, M8-1.25 x 90mm	2
7	M11017	Lock Washer, M8	2
8	M02025	Spacer, 0.557" bore x 1" thick	2
9	M02029	Spacer, 0.841" bore x 5/8" thick	1
10	M02028	Alternator Support Bracket – 621 Series	1
11	M02026	Alternator Adjusting Arm – 621 Series	1
12	M03014	Hex Screw, 3/8-16 x 1" serrated (not shown)	1
13	M83057	Crankshaft Pulley	1
14	M03013	Water Pump Pulley	1
15	M03018	Hex Screw, M8-1.25 x 16mm	4
16	M83065	Serpentine Belt for use with Balmar 621	1
17	M95000	Loctite 242 Medium Strength Blue	1

Serpentine Belt Kit for Balmar AT-200



<u>Item #</u>	<u>Cummins Part #</u>	<u>Description</u>	<u>Qty</u>
1	M03012	Serpentine Belt for Balmar AT-200	1
2	M83071	Alternator Support – AT Series	1
3	M11022	Hex Screw, M8-1.25 x 90mm	2
4	M11017	Lock Washer, M8	2
5	M83073	Spacer, 0.986" bore x 5/8" thick	2
6	M83070	Alternator Mounting Bracket – AT-Series	1
7	M03016	Hex Cap Screw, 1/2-13 x 4 1/2"	1
8	M83072	Spacer, 0.702" bore x 1" thick	1
9	M03017	Nylock Nut, 1/2-13	1
10	M41015	Socket Cap Screw, M10 x 35mm	1
11	M11018	Lock Washer, M10	1
12	M03013	Serpentine Water Pump Pulley	1
13	M03018	Hex Screw, M8-1.25 x 16mm	4
14	M83069	Alternator Adjusting Arm – AT Series	1
15	M03014	Hex Screw, 3/8-16 x 1" serrated	1
16	M83057	Crankshaft Pulley	1
17	M95000	Loctite 242 Medium Strength Blue	1

Onboard Cruise Kit



Item #	Cummins Part #	Description	Qty
1	M21019	Jabsco Impeller	1
2	M21024	Seal Assembly (Water)	1
2a*	M21031	Minor Repair Kit (includes Impeller and Water Seal)	1
3	M21026	Jabsco Cam	1
4	M21025	Jabsco End Cover Screws	6
5	M83064	Service Kit for Oil Sump Pump (newer model)	1
6	M11020	Service Kit for Oil Sump Pump (older model)	1
7	M83059	Cummins Touch-up Paint	1
8	M83060	O-ring, Thermostat Housing	1
9	M83061	Thermostat	1
10	M83090	3/8" drive ratchet 6pc metric socket set with hex (Allen®) bits	1
11	M83062	Oil Filter	1
12	M83063	Fuel Filter	1
13	M01012	Standard Alternator Belt	1
14	M02013	Alternator V- Belt for Balmar 621 Series	1
15	M83065	Serpentine Belt for Balmar 621	1
16	M51014	Fuse	1
17	M51010	Electric Fuel Lift Pump	1
18a	M22013	Clamp, #28	
18b	M21014	Clamp, #20	
18c	M31016	Clamp, #16	
18d	M22014	Clamp, #32	
19	M93014	Hose, Raw Water Pump Inlet (Hurth Transmission Only)	1
20	M93018	Hose, Hurth Transmission Cooler Outlet Hose	1
21	M83023	Hose, Engine Oil Cooler to Copper 90°	1
22	M21013	Hose, Raw Water Pump Outlet to Copper	1
23	M83026	Reducer, Bowman Lower to 90° Elbow Fresh Water	1
24	M83021	Hose, 90° Elbow to Transmission Cooler Inlet Side	1
25	M22011	Hose, Engine Oil Cooler Inlet	1
26	M22011	Hose, 90° Elbow to Transmission Cooler Outlet Side	1
27	M83029	Hose, 90°; Thermostat Neck to 45° Copper	1
28	M22011	Fresh Water Pump Inlet to Copper Pipe to Oil Cooler	1
29	M42011	Rubber End Cap, 90° Inlet	1
30	M42012	Rubber End Cap, Straight Outlet	1
31	M83027	Reducer, Bowman Top Front Side	1
32	M31018	Hose from Heat Exchanger to Exhaust Mixing Elbow Raw Water	1
33	M83046	Relays	2
MISC		Miscellaneous Screws, Washers, Nuts. Call TAD Inc.	