



**MARINE**

**ILLUSTRATED**

**PARTS MANUAL**

**PRO BOSS & PRO SKI**

**ELECTRONIC FUEL**

**INJECTION**

This Page Was  
Intentially  
Left Blank

**Contents:**

Symbols .....	2
Reference Manual .....	3
PRO-TEC THROTTLE BODY ASSEMBLY - Figure 1 .....	4
PCM ELECTRONIC FUEL INJECTION - Figure 2 .....	6

**“TYPICAL VIEWS ARE SHOWN”****ENGINE ROTATION**

Engine Rotation is identified as “RH” or “LH” with the engine model number. Rotation always is determined from the flywheel end looking toward the front of the engine. In some instances, propeller shaft rotation may be opposite to that of the engine.

When ordering a replacement engine, production block or parts for the engine, be certain to check engine rotation. **DO NOT rely on propeller rotation in order to determine engine rotation.**

**LEFT-HAND ROTATION is STANDARD ROTATION.**

(Flywheel turns counterclockwise when viewed from flywheel end of the engine.)

**RIGHT-HAND ROTATION is OPPOSITE ROTATION.**

(Flywheel turns clockwise when viewed from flywheel end of the engine.)

**HOW TO READ THIS PARTS BOOK:**

ITEM	PART NUMBER	DESCRIPTION	QUANTITY
1	RB001018	<b>Base Engine Assembly, 8.1L</b>	1

①

②

③

④

- 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 DESCRIPTION - This identifies what the component or assembly is.
- ④ QUANTITY - This refers to the number of pieces used.

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

**REPLACEMENT PARTS:****WARNING:**

Electrical, ignition and fuel system components on PCM Engines are designed and manufactured to comply with U.S. Coast Guard rules and regulations to minimize risks of fire or explosion.

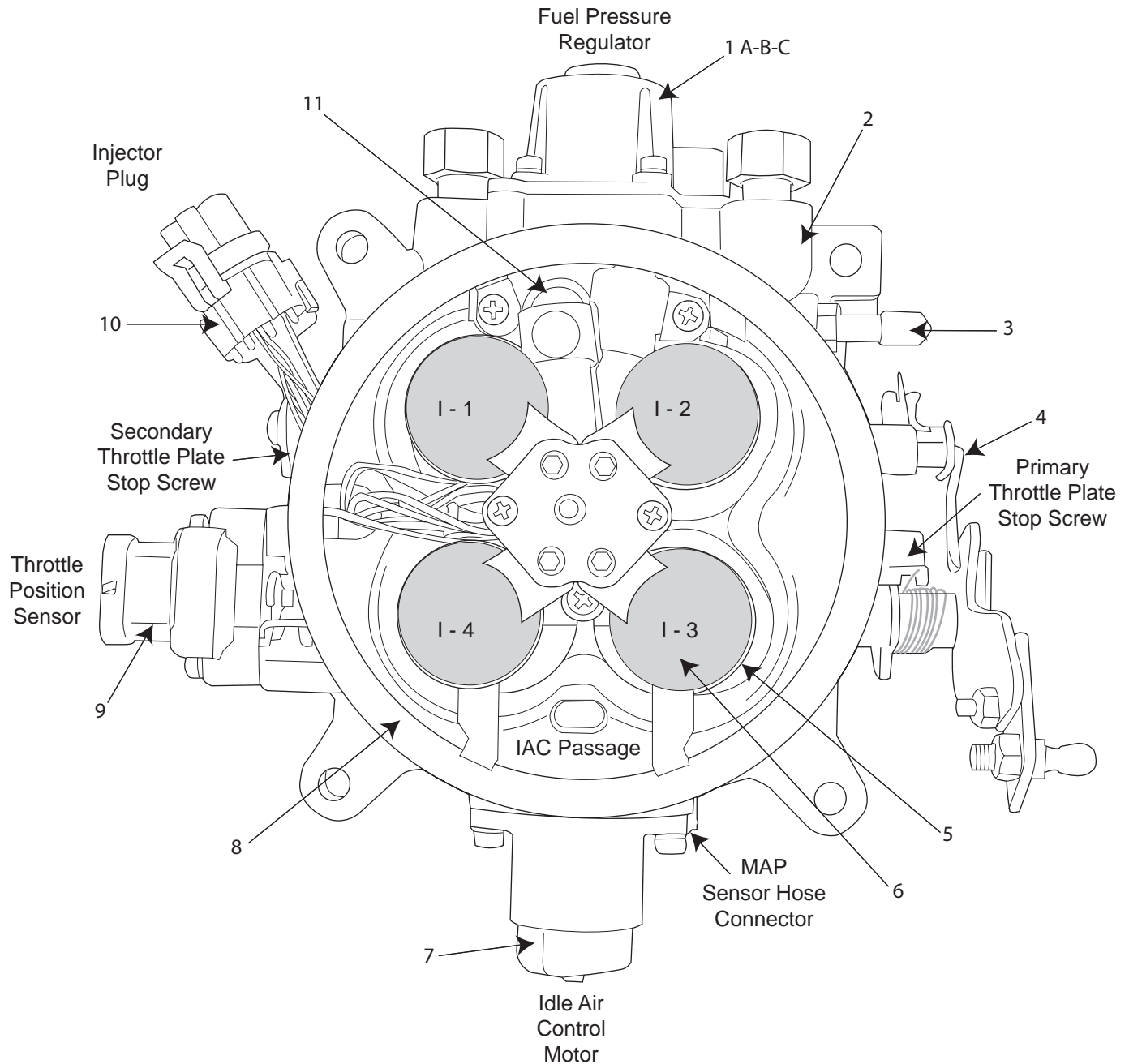
Use of replacement electrical, ignition and fuel system components which do not comply with these rules and regulations could result in a fire or explosion hazard and should be avoided.

**REFER TO PCM ILLUSTRATED PARTS MANUAL FOR FORD AND CHEVROLET V8 INBOARD ENGINES, L190023 FOR ALL OTHER PARTS ASSOCIATED WITH THE PRO BOSS AND PRO SKI ENGINES.**

**MARINE TRANSMISSIONS:**

PCM Engines are equipped with PCM or Hurth Transmissions, standard or “V”-drives. If transmission parts are required, contact your dealer or closest PCM Parts Distributor for required parts.

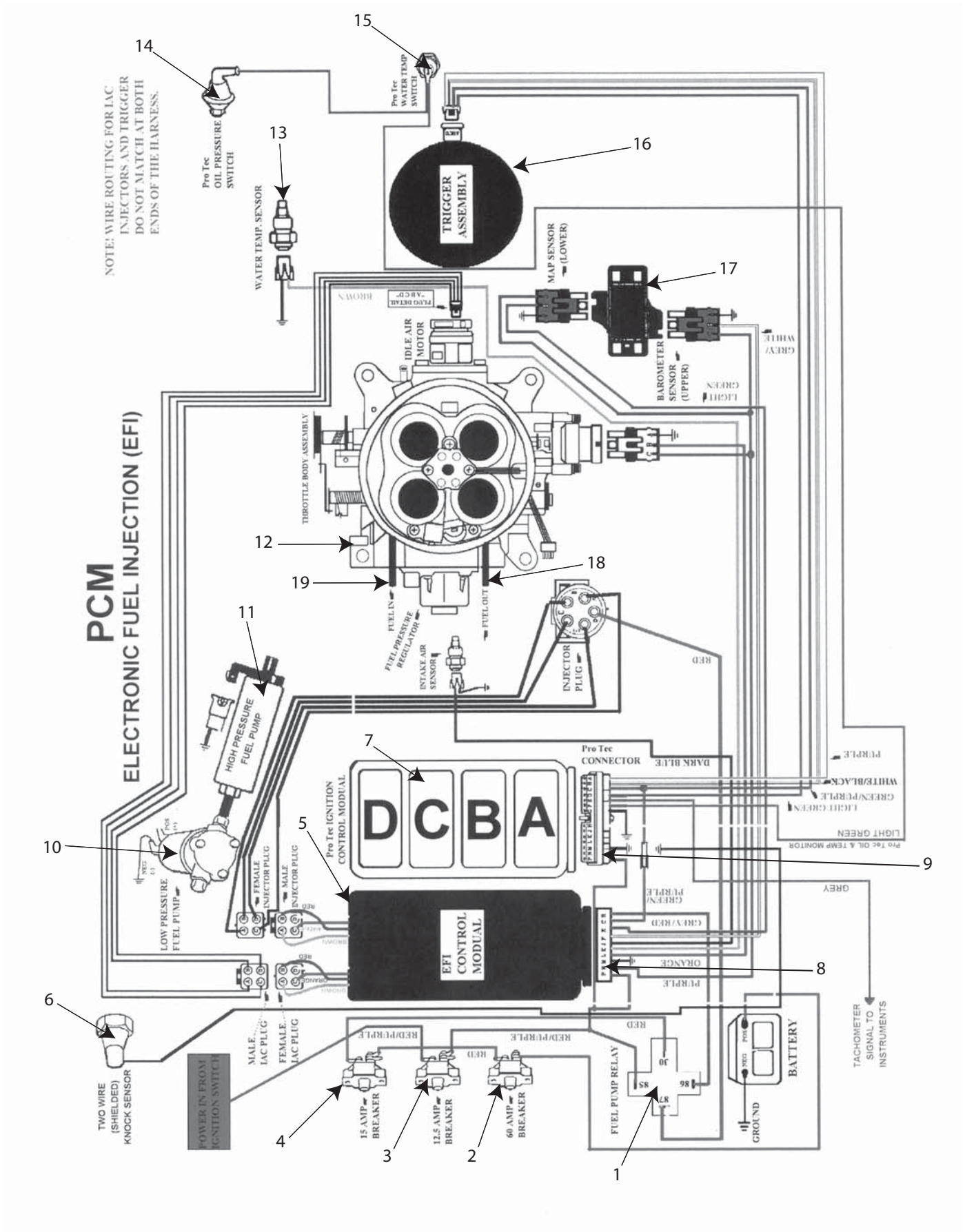
PRO-TEC THROTTLE BODY ASSEMBLY - FIGURE 1



## PRO-TEC THROTTLE BODY ASSEMBLY - FIGURE 1

ITEM	PART NUMBER	DESCRIPTION	QUANTITY
1	RN0155	<b>Cover</b> , Fuel Pressure Regulator	1
1A	RN0156	<b>Screw</b> , Allen, Fuel Pressure Regulator	1
1B	RN0146	<b>Diaphragm</b> , Fuel Pressure Regulator	1
1C	RN0148	<b>Spring</b> , Fuel Pressure Regulator	1
2	RA052019	<b>Throttle Body Assembly</b>	1
3	RA035031	<b>Valve</b> , Schrader	1
4	RN0149	<b>Rod</b> , Throttle Linkage Connecting	1
5	RN0153	<b>Injector</b> , Fuel <b>NLA - Use Retrofit Kit # RF201008</b>	4
5A	RN0153A	<b>Injector</b> , Fuel For use with Kit # RF201008	4
6	RN0160	<b>Cap</b> , Injector Retainer Assembly	1
7	RA122017	<b>Valve</b> , Idle Air Control	1
8	RN0152	<b>Ring</b> , Air Distribution	1
9	R020021	<b>Sensor</b> , Throttle Position	1
10	RN0145	<b>Harness</b> , Injector Caps Assembly	1
11	RN0144	<b>O-Ring</b> , Injector support seal	2

PCM ELECTRONIC FUEL INJECTION - FIGURE 2





## PCM ELECTRONIC FUEL INJECTION - FIGURE 2

ITEM	PART NUMBER	DESCRIPTION	QUANTITY
1	R130011	<b>Relay</b> , Ignition and System (if equipped)	2
NI	R121047A	<b>Harness</b> , PTI Power Lead w/Fuse and Relay Base Assembly	1
NI	R121053	<b>Power Lead</b> , Quick Disconnect only (if equipped)	1
2	R153006C	<b>Breaker</b> , Circuit 60 Amp	1
3	R153007	<b>Breaker</b> , Circuit 12.5 Amp	1
4	R153014	<b>Breaker</b> , Circuit 15 Amp	1
5	R116008	<b>Module</b> , PTI Fuel, "PRO SKI"	1
5A	R116006	<b>Module</b> , PTI Fuel, "PRO BOSS"	1
6	R020020	<b>Sensor</b> , Knock	1
7	RA107028	<b>Module</b> , Ignition, "PRO SKI" <b>NLA USE RA107031</b>	1
7A	RA107031	<b>Module</b> , Ignition, "PRO BOSS"	1
8	RA121045	<b>Harness</b> , PRO-TEC (fuel side)	1
9	RA121025C	<b>Harness</b> , PRO-TEC (ignition side)	1
10	RA080018	<b>Pump</b> , Low Pressure Fuel	1
11	RA080022	<b>Pump</b> , High Pressure Fuel	1
12	RA052019	<b>Throttle Body Assembly</b>	1
13	R020019	<b>Sensor</b> , Water Temperature	1
14	R020015A	<b>Switch</b> , Oil Pressure	1
15	R020014	<b>Switch</b> , Water Temperature	1
16	RA107032	<b>Trigger</b> , Assembly (351/LH)	1
	RA107033	<b>Trigger</b> , Assembly (GM)	1
	RA107034	<b>Trigger</b> , Assembly (351/RH)	1
	RA107035	<b>Trigger</b> , Assembly (302/LH)	1
	RA107036	<b>Trigger</b> , Assembly (302/RH)	1
17	R020017	<b>Sensor</b> , Baro and MAP	2
18	RA085057	<b>Fuel Line</b> , High Pressure, Pump to TBI	1
19	RA085058	<b>Fuel Line</b> , Return, (From TBI)	1
NI	R090165	<b>Bracket</b> , Fuel Pumps	1
NI	R090166	<b>Bracket</b> , Fuel Module	1
NI	R090164	<b>Bracket</b> , MAP and Baro Sensors	1
NI	RA085056	<b>Fuel Line</b> , LP to HP Fuel Pump	1