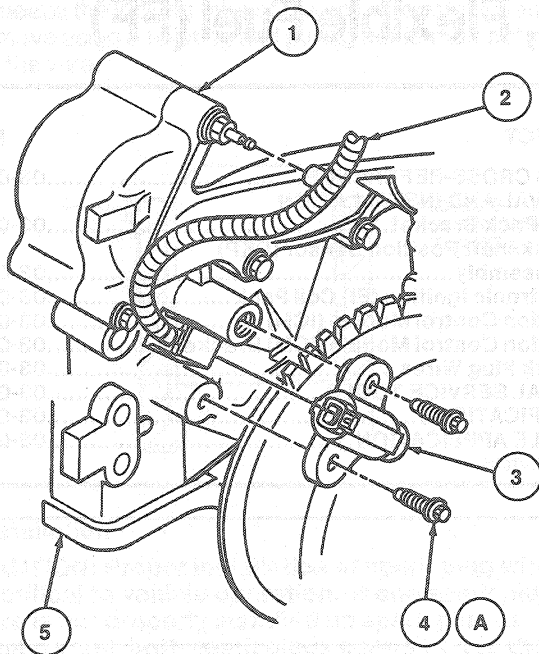


DESCRIPTION AND OPERATION (Continued)



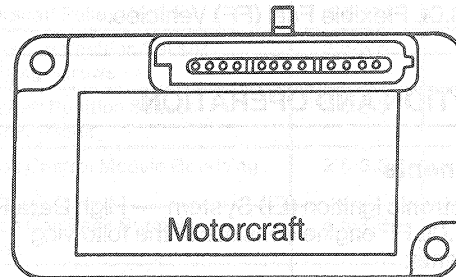
B4902-A

Item	Part Number	Description
1	—	Water Pump
2	9D930	Fuel Charging Wiring
3	6C315	Crankshaft Position Sensor
4A	N606500-S8	Bolt (2 Req'd)
5	—	Engine Front Cover
A		Tighten to 5-7 N·m (44-61 Lb·In)

Ignition Control Module (ICM)

The ignition control module (ICM) is a custom microprocessor-based thick film electronic module. The ignition control module (ICM) receives engine position and speed information from the crankshaft position (CKP) sensor, and desired spark advance information from the powertrain control module (PCM). The ignition control module (ICM) uses this information to direct which coil to fire, calculating the turn on / off times of the coils required to achieve the correct dwell and spark advance. The ignition control module (ICM) also synthesizes a Profile Ignition Pickup (PIP) signal and an Ignition Diagnostic Monitor (IDM) signal for use by the PCM. The ignition control module (ICM) sends information on system failures through the IDM signal to the powertrain control module (PCM) which stores information for Diagnostic Self Tests. The ignition diagnostic monitor (IDM) also provides the signal to drive the tachometer.

The ignition control module (ICM) is located on the cowl, in the engine compartment.



IGNITION CONTROL MODULE (ICM)
12K072

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