

SECTION 03-07B Electronic Ignition (EI) System

SUBJECT	PAGE	SUBJECT	PAGE
ADJUSTMENTS		DIAGNOSIS AND TESTING	03-07B-5
Initial Timing.....	03-07B-8	REMOVAL AND INSTALLATION	
CLEANING AND INSPECTION		Camshaft Position (CKP) Sensor	03-07B-5
Ignition Coils	03-07B-8	Assembly.....	03-07B-5
Spark Plug Wires	03-07B-8	Camshaft Position (CKP) Sensor	03-07B-5
DESCRIPTION AND OPERATION		Assembly.....	03-07B-5
Camshaft Position (CMP) Sensor.....	03-07B-2	Ignition Coil Pack	03-07B-6
Components	03-07B-1	Ignition Control Module (ICM).....	03-07B-6
Crankshaft Position (CKP) Sensor.....	03-07B-1	Spark Plug Wires	03-07B-7
Failure Mode Effects Management.....	03-07B-2	SPECIAL SERVICE TOOLS	03-07B-8
Ignition Coil Pack	03-07B-2	SPECIFICATIONS	03-07B-8
Ignition Control Module (ICM).....	03-07B-2	VEHICLE APPLICATION	03-07B-1
Ignition Diagnostic Monitor.....	03-07B-2		

VEHICLE APPLICATION

Taurus with 3.0L / 3.2L SHO engines.

DESCRIPTION AND OPERATION

Components

The electronic ignition (EI) system for the 3.0L / 3.2L SHO engines consists of the following components:

- Crankshaft position (CKP) sensor 6C315
- Camshaft position (CMP) sensor 12126

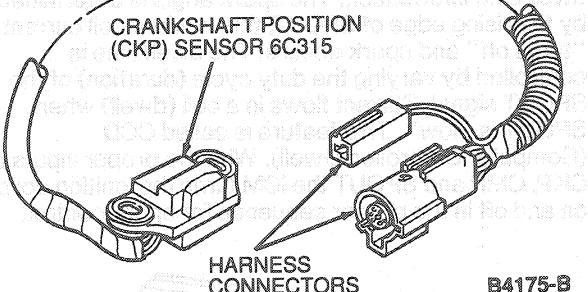
Crankshaft Position (CKP) Sensor

The crankshaft position sensor is a single Hall effect magnetic switch, which is activated by three vanes on the crankshaft timing pulley. The signal generated by this sensor is called CKP. The CKP signal provides base timing and RPM information to the ICM and the powertrain control module (PCM).

Based timing is set at 10 degrees \pm 2 degrees BTDC and is not adjustable.

Ignition control module (ICM) 12A199

- Ignition coil pack
- The spark angle portion of powertrain control module (PCM) 12A650
- Related wiring



B4175-B