

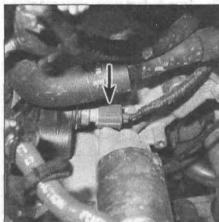
5.12 On V6 models, the CKP sensor is located near the crankshaft pulley; to remove the CKP sensor, disconnect the electrical connector and remove the sensor mounting bolt

relearn its idle and fuel trim strategy for optimum driveability and performance (see Chapter 5, Section 1 for this procedure).

2.3L four-cylinder engine

Note: The CKP sensor for this engine must be replaced with a new one whenever it is removed because there is a special alignment tool that must be used to install the sensor that can only be obtained with the purchase of a new sensor - the tool is not sold separately.

- 18 Disconnect the cable from the negative battery terminal (see Chapter 5).
- 19 The CKP sensor is mounted right next to the crankshaft pulley.
- 20 Disconnect the electrical connector to the CKP sensor.
- 21 Set the engine at TDC (see Chapter 2B).
- 22 With the special timing pin and crankshaft pulley alignment tool in place, remove



7.4 On V6 models, the ECT sensor is located on the thermostat housing (four-cylinder models don't use an ECT sensor; they use a CHT sensor); to remove the ECT sensor, disconnect the electrical connector and remove the retaining clip, then pull out the sensor



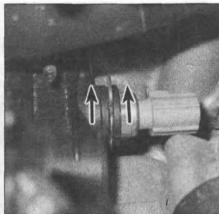
- the mounting bolts for the CKP sensor.
- 23 To install the CKP sensor, install the mounting bolts - but do not tighten them.
- 24 Adjust the CKP sensor by using the CKP sensor alignment tool, then tighten the mounting bolts securely.

6 Cylinder Head Temperature (CHT) sensor - replacement

Refer to illustration 6.4

Note: This procedure applies to four-cylinder models only.

- 1 Disconnect the cable from the negative battery terminal (see Chapter 5, Section 1).
- 2 If you're working on a 2.0L four-cylinder engine, remove the alternator (see Chapter 5).
- 3 Disconnect the CHT sensor electrical connector.
- 4 Unscrew and remove the CHT sensor (see illustration).
- 5 Installation is the reverse of removal. Be sure to tighten the CHT sensor to the torque listed in this Chapter's Specifications.
- 6 After you've reconnected the battery, the Powertrain Control Module (PCM) must relearn its idle and fuel trim strategy for opti-



7.6 To remove the ECT sensor retaining clip, pull it straight up

- 6.4 To remove the CHT sensor from a 2.0L four-cylinder engine, disconnect the electrical connector, then unscrew the sensor. On 2.3L four-cylinder engines, the sensor is located between the number 2 and number 3 spark plugs. (V6 engines do not use a CHT sensor, they use an ECT sensor)

mum driveability and performance (see Chapter 5, Section 1 for this procedure).

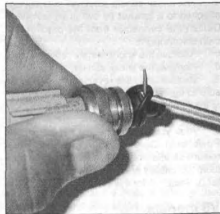
7 Engine Coolant Temperature (ECT) sensor - replacement

Refer to illustrations 7.4, 7.6 and 7.8

Warning: Wait until the engine is completely cool before beginning this procedure.

Note: This procedure applies to V6 models only.

- 1 Disconnect the cable from the negative battery terminal (see Chapter 5, Section 1).
- 2 Drain the cooling system (see Chapter 1).
- 3 Remove the air intake duct (see Chapter 4).
- 4 Locate the ECT sensor on the thermostat housing (see illustration).
- 5 Disconnect the electrical connector from the ECT sensor.
- 6 Remove the ECT sensor retaining clip (see illustration) by pulling it straight up.
- 7 Remove the ECT sensor.
- 8 Remove the ECT sensor O-ring (see illustration) and discard it. Always use a new O-ring when installing the ECT sensor, even if you're planning to reuse the old ECT sensor.



7.8 Remove and discard the old ECT sensor O-ring; always use a new O-ring when installing the ECT sensor, even if you plan to reuse the old sensor