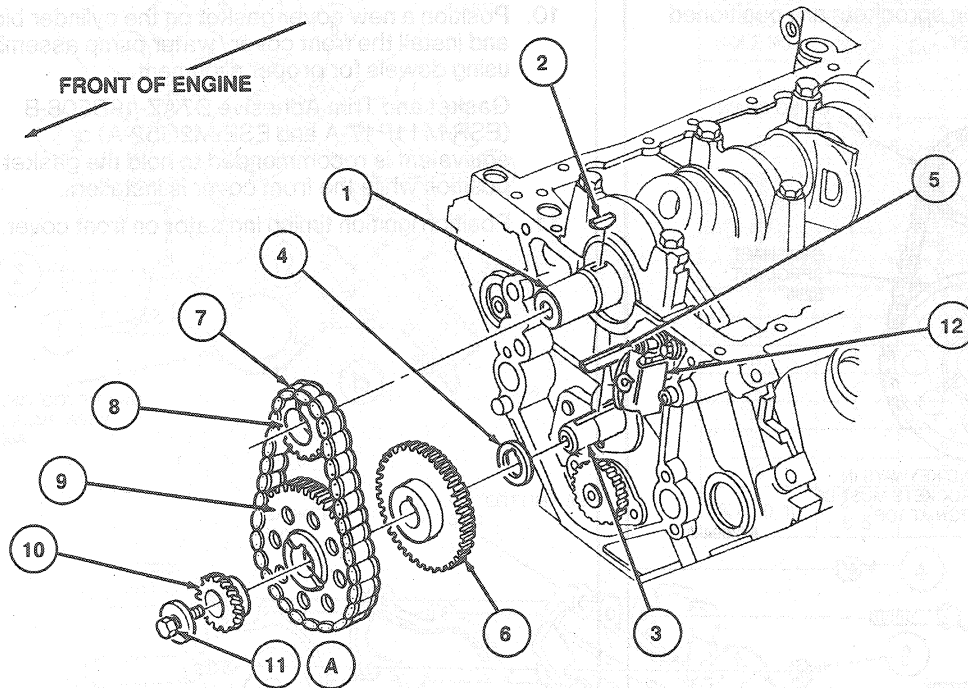


IN-VEHICLE SERVICE (Continued)

24. Remove chain tensioner assembly (three bolts) from front of cylinder block. (This requires first pulling back on ratcheting mechanism, then installing pin through hole in bracket to relieve tension.)



A11385-E

Item	Part Number	Description
1	6303	Crankshaft
2	6B316	Key Crankshaft
3	6250	Camshaft
4	6265	Spacer
5	6L268	Key Camshaft
6	6A303	Balance Shaft Drive Gear

(Continued)

Item	Part Number	Description
7	6268	Timing Chain
8	6306	Crankshaft Sprocket
9	6256	Camshaft Sprocket
10	6255	Distributor Drive Gear
11A	—	Bolt and Washer Assy
12	6K254	Tensioner and Snubber
A		Tighten to 40-50 N·m (29.5-37 Lb-Ft)

NOTE: The front cover contains the oil pump and water pump. If a new front cover is to be installed, remove the water pump and oil pump from the old front cover. Refer to Front Cover, Assembly.

Installation

NOTE: Lightly oil all bolt and stud bolt threads before installation except those specifying special sealant.

1. Clean all gasket surfaces on the front cover, cylinder block and fuel pump.
If reusing the front cover, replace crankshaft front oil seal.

2. If a new front cover is to be installed:
 - Install oil pump.
 - Clean water pump gasket surface. Position a new water pump gasket on the front cover and install water pump. Install pump retaining bolts. Tighten to 20-30 N·m (15-22 lb-ft).
3. Rotate crankshaft as necessary to position piston No. 1 at TDC and crankshaft keyway at the 12 o'clock position.
4. Install tensioner assembly using three mounting bolts and tighten bolts to 8-14 N·m (70-124 lb-in). Ensure ratcheting mechanism is in retracted position with pin sticking out drum hole in bracket assembly.