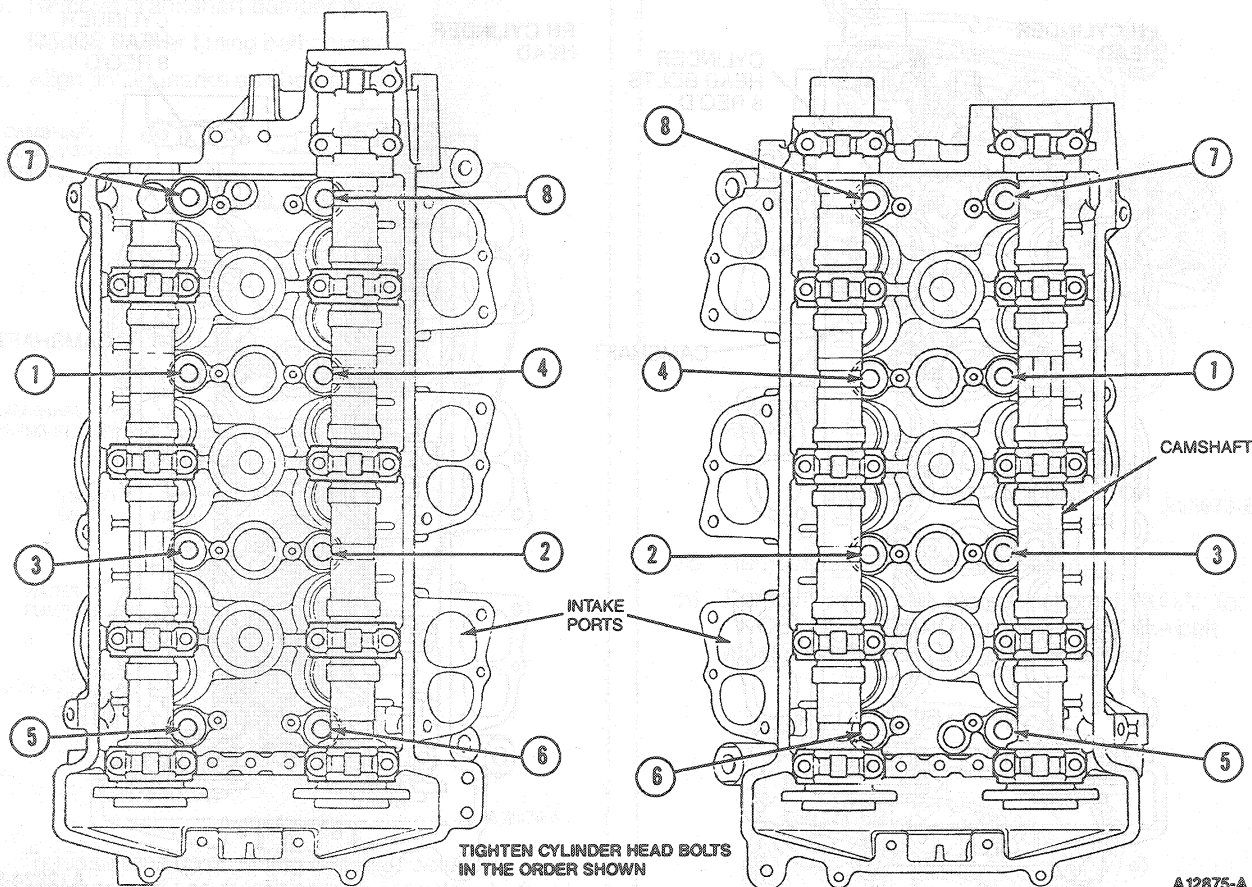


REMOVAL AND INSTALLATION (Continued)

21. Start engine and check for coolant, fuel or oil leaks.



A12875-A

Pistons and Connecting Rods

Tools Required:

- Rotunda Piston Ring Compressor 014-00290
- Rotunda Cylinder Ridge Reamer 014-00292

Removal

1. Drain engine cooling system.
2. Remove intake manifold as outlined.
3. Remove spark plugs, plug wires and ignition coil bracket.
4. Remove exhaust manifolds manifolds.
5. Remove cylinder heads as outlined.
6. Remove oil pan and oil baffle.
7. Remove oil pump assembly as outlined.
8. Before removing piston, inspect the top of each cylinder bore. If a ridge has formed at the top of the cylinder it must be removed before piston removal. Remove ridge as follows:
 - a. Turn crankshaft until the piston to be removed is at the bottom of cylinder bore.
 - b. Place a clean shop cloth over the piston head to collect cuttings.
 - c. Remove ridge using Rotunda Cylinder Ridge Reamer 014-00292 or equivalent. Never cut into the ring travel area more than 0.794mm (1/32 inch) when removing the ridge.
9. Turn crankshaft until the piston to be removed is at the high point of its travel. If more than one piston is being removed, identify the pistons and connecting rod caps. Each component should be installed in its original position during assembly.
10. Remove connecting rod cap retaining nuts and cap.
11. Install spark plug boots over connecting rod cap studs and push piston out through top of the cylinder bore. Use care to prevent damage to bearing surfaces.
12. Install connecting rod cap and hold in position with cap retaining nuts.
13. If piston is to be disassembled, refer to Piston Disassembly.