

SERVICE (SEC. 7A) or MANUAL TRANSMISSION (SEC 7B).

- Remove flywheel. Refer to "Flywheel" in this section.

NOTICE: Care must be taken not to damage the crankshaft outside diameter surface with the pry tool.

- Remove old seal. Insert a screwdriver or similar tool through the dust lip at an angle as shown in Figure 30. Pry seal out by moving handle of tool towards the end of the crankshaft. Repeat as required around the seal until seal is removed.
- Check the inside diameter of bore for nicks or burrs and correct as required. Inspect crankshaft for burrs or nicks that contact seal. Repair or replace crankshaft as required.
- Install new seal using J 34686 (Figure 31).
- Apply a light coat of oil to inside diameter of new seal and install over mandril, slide the seal in the mandril until the dust lip at back of seal bottoms squarely against collar of tool (Figure 32).
- Align dowel pin of tool with dowel pin hole in crankshaft and attach tool to crankshaft by hand or torque attaching screw to 2.7 to 6.8 N·m (24 to 60 lb. in.).
- Turn "T" handle of tool so that collar pushes seal into the bore, turn handle until the collar is tight against the case. This will insure that the seal is seated properly.
- Loosen the "T" handle of the tool until it comes to a stop. This will insure that the collar will be in the proper position for installing a new seal. Remove attaching screws.
- Check seal, making sure seal is seated squarely in the bore.
- Install flywheel. Refer to "Flywheel" in this section.
- Install transmission. Refer to TRANSMISSION GENERAL INFORMATION AND ON-VEHICLE SERVICE (SEC. 7A) or MANUAL TRANSMISSION (SEC. 7B).
- Start engine, check for leaks.

ENGINE ASSEMBLY

Removal

- Disconnect negative battery cable.
- Remove air cleaner duct.
- Remove hood.
- Remove serpentine belt.
- Disconnect air conditioning compressor from bracket and lay aside.
- Drain radiator.
- Remove lower radiator hose.
- Remove upper radiator hose and coolant recovery hose.
- Remove heater hoses at coolant pump and valve.
- Disconnect throttle linkage, including cruise control detent cable.