

PRODEMAND

YMMS: 2007 Chrysler Pacifica Limited
Engine: 4.0L Eng
VIN:

Feb 2, 2025
License:
Odometer:

STANDARD PROCEDURE

COOLING-FILLING

Remove pressure cap and fill system, using a 50/50 mix of Mopar® Antifreeze/Coolant, 5 Year/100,000 Mile Formula and distilled water. See DESCRIPTION.

Continue filling system until full. **Be careful not to spill coolant on drive belts or the generator.** For cooling system capacity, refer to SPECIFICATIONS .

Fill coolant pressure container to at least the MAX mark with 50/50 solution. It may be necessary to add coolant to the coolant pressure container after three or four warm up/cool down cycles to maintain coolant level between the MAX and MIN mark. This will allow trapped air to be removed from the system.

CLEANING/REVERSE FLUSHING

CLEANING

Drain the cooling system and refill with water. Run the engine with the radiator cap installed until the upper radiator hose is hot. Stop the engine and drain the water from system. If the water is dirty, fill the system with water, run the engine and drain the system. Repeat this procedure until the water drains clean.

REVERSE FLUSHING

Reverse flushing of the cooling system is the forcing of water through the cooling system. This is done using air pressure in the opposite direction of normal coolant flow. It is usually only necessary with very dirty systems with evidence of partial plugging.

REVERSE FLUSHING RADIATOR

Disconnect the radiator hoses from the radiator inlet and outlet. Attach a section of the radiator hose to the radiator bottom outlet fitting and insert the flushing gun. Connect a water supply hose and air supply hose to the flushing gun.

CAUTION: *Internal radiator pressure must not exceed 138 kPa (20 psi) as damage to radiator may result.*

Allow the radiator to fill with water. When the radiator is filled, apply air in short blasts. Allow the radiator to refill between blasts. Continue this reverse flushing until clean water flows out through the rear of the radiator cooling tube passages.

REVERSE FLUSHING ENGINE

Drain the cooling system. Remove the thermostat housing and thermostat. Install the thermostat housing. Disconnect the radiator upper hose from the radiator and attach the flushing gun to the hose.

Disconnect the radiator lower hose from the water pump and attach a lead-away hose to the water pump inlet fitting.

CAUTION: *On vehicles equipped with a heater water control valve, be sure the heater control valve is closed (heat off). This will prevent coolant flow with scale and other deposits from entering the heater core.*

Connect the water supply hose and air supply hose to flushing gun. Allow the engine to fill with water. When the engine is filled, apply air in short blasts, allowing the system to fill between air blasts. Continue until clean water flows through the lead away hose.

Remove the lead away hose, flushing gun, water supply hose and air supply hose. Remove the thermostat housing and install the thermostat. Install the thermostat housing with a replacement gasket. Refer to THERMOSTAT-ENGINE COOLANT . Connect the radiator hoses. Refill the cooling system with the correct antifreeze/water mixture. Refer to DESCRIPTION . Refer to COOLING-FILLING .

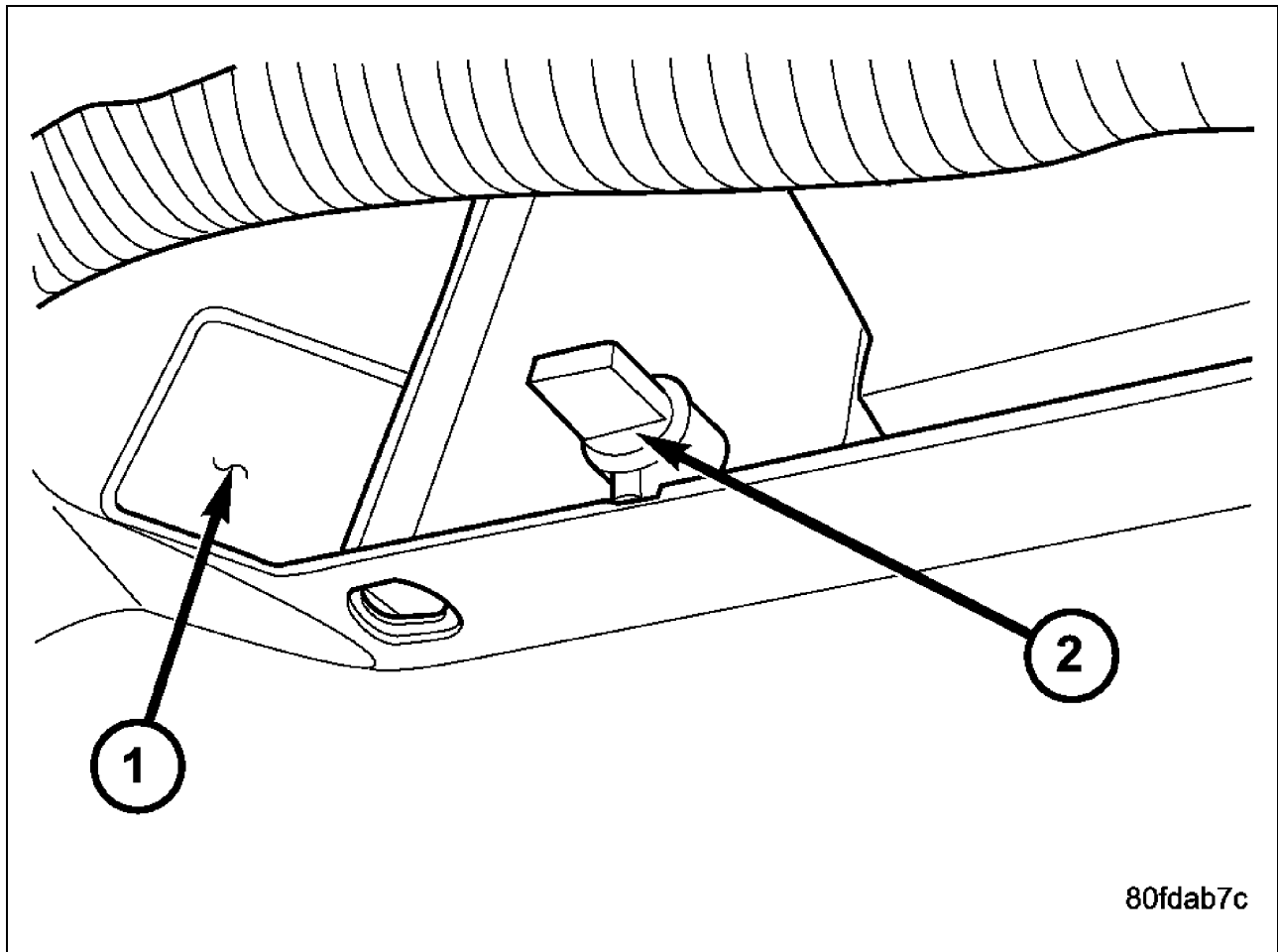
CHEMICAL CLEANING

In some instances, use a radiator cleaner (Mopar® Radiator Kleen or equivalent) before flushing. This will soften scale and other deposits and aid flushing operation.

CAUTION: *Follow manufacturers instructions when using these products.*

COOLING-DRAINING

Fig 1: Draincock Location



Courtesy of CHRYSLER LLC

1 - LEFT SIDE FRAME RAIL

2 - DRAINCOCK

WARNING: Do not remove or loosen the coolant pressure cap, cylinder block drain plugs, or the draincock when the system is hot and under pressure because serious burns from the coolant can occur.

1. **Without removing pressure cap and with system not under pressure** , open the draincock. The draincock is located on the lower left side of radiator.
2. After the coolant pressure container is empty, then remove coolant pressure cap.
3. Remove the cylinder block drain plug(s).

COOLING-ADDING ADDITIONAL COOLANT

The radiator cap should not be removed. When additional coolant is needed to maintain this level, it should be added to the coolant recovery/reserve container. For the recommended antifreeze/coolant type. Refer to SPECIFICATIONS .

CAUTION: *Do not use well water, or suspect water supply in cooling system. For the recommended antifreeze/coolant type. Refer to DESCRIPTION .*