

COOLING-SYSTEM FLUID EXCHANGE

Tools Needed

Coolant Exchanger #94340

Products Needed

SOLTEC® Radiator Flush Kit Two Pack #25002
which includes:

- ▶ SOLTEC® Cooling-System Flush #20001
- ▶ SOLTEC® Cooling-System Treatment #20201



#94340



#25002

Step 1

Check the fluid level of the cooling system to make sure that the radiator is not under-filled and the overflow bottle is not empty. Install SOLTEC® Cooling-System Flush #20001 (see [Figure A](#)) into the system. To insure that light scale, sediment and rust are removed, allow the vehicle to idle until the engine reaches operating temperature. Once at operating temperature, turn the vehicle off and relieve pressure by loosening the cap on the expansion tank (see [Figure B](#)).



Figure A



Figure B

Step 2

(For vehicles without an Expansion Tank)

Attach the Coolant Exchanger #94000 to the upper radiator hose or to the expansion tank with the supplied adaptors (see [Figure C](#)). Connect the black hose to the radiator side and the red to the engine side. For a "HOT FLUSH," have the engine running. For a "COLD FLUSH," reverse the hoses; black hose to the engine side and red to the radiator side and have the engine turned off (see [Figure D](#)). Once in place, start the service and check for leaks. The old coolant is now removed and replaced with new.



Figure C



Figure D

COOLING-SYSTEM FLUID EXCHANGE

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Step 2

(For vehicles with an Expansion Tank)

Attach the Coolant Exchanger #94340 to the expansion tank with the supplied adaptors #94284 (see Figure E). Connect the red hose to the tank side and the black to the radiator side. For a “HOT FLUSH,” have the engine running. For a “COLD FLUSH,” reverse the hoses and turn off the engine (see Figure F). Once in place, install the tank cap, start the service, check for leaks and ensure the flow is correct direction. If flow is not going the correct direction, reverse the hoses. The service is now removing all of the old coolant and replacing with clean new coolant.



Figure E



Figure F

Step 3

Upon completion of the exchange, check the fluid level and make any necessary adjustments. Remove adaptors and replace hoses and clamps to their original location. Use the “TOP OFF” button to add, or the “EVAC” button to remove fluid (see Figure G). Relieve pressure by carefully loosening the cap on the expansion tank.* Install the SOLTEC® Cooling-System Treatment #20201 in to the system (see Figure H). These products fortify the corrosion inhibitor and prevent small leaks from occurring.

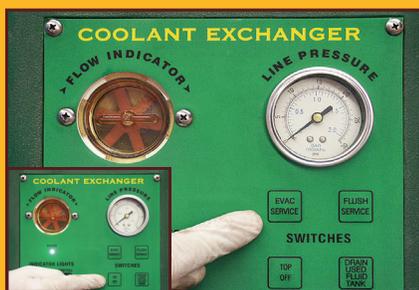


Figure G



Figure H

*For vehicles with an Expansion Tank

Step 4

Remove the Coolant Exchanger from the vehicle; reattach the hoses; start the engine; check for leaks and test drive the vehicle to insure proper cooling-system operation.