

## Radiator Outlet Hose Replacement (Diesel)

### Special Tools

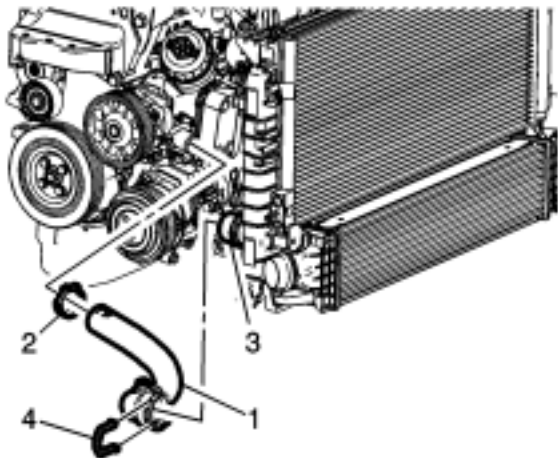
*BO-38185* Hose Clamp Pliers

For equivalent regional tools, refer to [Special Tools](#) .

### Removal Procedure

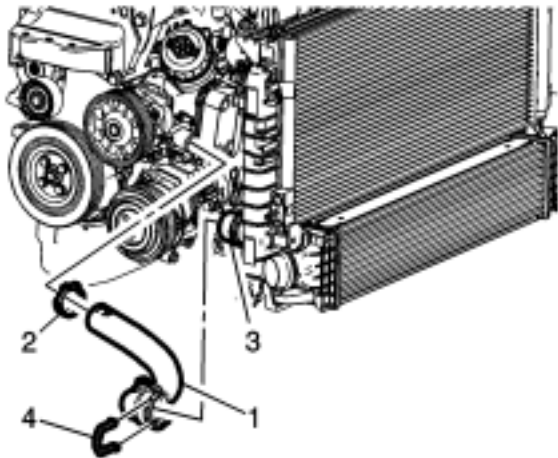
**Warning:** With a pressurized cooling system, the coolant temperature in the radiator can be considerably higher than the boiling point of the solution at atmospheric pressure. Removal of the surge tank cap, while the cooling system is hot and under high pressure, causes the solution to boil instantaneously with explosive force. This will cause the solution to spew out over the engine, the fenders, and the person removing the cap. Serious bodily injury may result.

1. Drain the cooling system. Refer to [Cooling System Draining and Filling](#) .
2. Remove the air cleaner outlet duct. Refer to [Air Cleaner Outlet Duct Replacement](#) .



3. Remove the radiator outlet hose clamp (2) Using the *BO-38185* pliers .
4. Remove the radiator outlet hose (1) from the oil filter housing.
5. Remove the retainer clip (4).
6. Remove the radiator outlet hose (1) from the radiator (3).

### Installation Procedure



1. Install the radiator outlet hose (1) to the radiator (3).
2. Install the retainer clip (4).
3. Install the radiator outlet hose (1) to the oil filter housing.
4. Install the radiator outlet hose clamp (2) Using the *BO-38185* pliers .
5. Install the air cleaner outlet duct. Refer to [Air Cleaner Outlet Duct Replacement](#) .
6. Fill the cooling system. Refer to [Cooling System Draining and Filling](#) .