

EXHAUST SYSTEM

Selective Catalyst Reduction (SCR)

The SCR system components include the following:

- reductant or Diesel Exhaust Fluid (DEF)
- reductant tank
- reductant dosing module
- reductant pump and heater assembly
- reductant pressure line heater assembly
- reductant tank heater and sensor assembly
- reductant purge valve
- reductant pressure sensor
- NO_x sensor and module
- exhaust mixing system



Reductant or Diesel Exhaust Fluid (DEF)

Reductant, also known as Diesel Exhaust Fluid (DEF) is 32.5% urea/ water solution. When injected into the exhaust, there is a chemical reaction that converts NO_x into N₂ and H₂O. The freezing point of reductant is -11°C (12°F).

Reductant is very caustic; take care not to spill onto connectors, wiring harnesses or the vehicle's paint.



Reductant Tank

The reductant tank stores the reductant or DEF. Under normal use it needs to be refilled at the same interval as the oil change.

