DIESEL PARTICULATE FILTER - STATIONARY DESOOT

STANDARD PROCEDURE - STATIONARY DESOOT

WARNING:
Due to the fact that the vehicle may be left unattended for up to one hundred (100) minutes during this procedure, every precautionary measure must be taken to ensure that the vehicle cannot be stolen and that no person comes in contact with the hot exhaust or hot exhaust gases during the procedure.

NOTE:
Stationary De-Soot will not perform without a P1451 DTC. Updating the Powertrain Control Module (PCM) will automatically clear the P1451 DTC from the PCM's memory. If the soot threshold is great enough where a Stationary De-Soot is required, it may be necessary to drive the vehicle so that the P1451 DTC will reset.

NOTE:
When using Diagnostic Scan Tool software at release 9.05, the fuel minimum specification to run the test is 1/4 of a tank of fuel.

1. Fill the vehicle with three (3) gallons of Ultra Low Sulfur diesel fuel to perform the procedure.

NOTE:
In order for Stationary De-Soot to begin, the vehicle must be parked with the parking brake engaged, be at normal operating temperature, have no active DTC's unrelated to De-Soot, and have at least three gallons of fuel. If any of these conditions are violated after Stationary De-Soot begins, or if the service brake or accelerator pedal is pressed, Stationary De-Soot will abort.

2. Position the vehicle on a NONFLAMMABLE surface such as concrete.

WARNING:
Exhaust temperatures will be extremely high. Do not perform this procedure on flammable surfaces such as asphalt, grass, etc. or adjacent to property that may be damaged by the exhaust gases, or in a location where individuals may be required to pass adjacent to the exhaust.

3. Apply the parking brake.

4. Position the shift lever in Park or Neutral.

5. Lower the spare tire down as far as possible. It is not necessary to remove the spare tire from the vehicle.

6. Mark an area 12 feet (3.66 meters) by 12 feet (3.66 meters) surrounding the exhaust outlet. The exhaust outlet should be six feet from the fore and aft ends of the marked off area.

NOTE:
Ensure that the "HOT EXHAUST" labels are facing outward.

7. Ensure that the hood remains closed during the stationary regeneration operation.

8. If not already performed, connect the Diagnostic Scan Tool to the vehicle.

9. Start the engine.

10. Power ON the Diagnostic Scan Tool.

11. Scroll to the Powertrain Control Module (PCM) menu

12. Select Stationary De-Soot

NOTE:
During Stationary De-Soot, engine RPM will be elevated to 1,100 RPM. When the engine RPM returns to normal idle the Stationary De-Soot has completed or aborted.

13. Initiate Stationary De-Soot.

NOTE:
Stationary De-Soot may take up to one hundred (100) minutes to complete. It is not necessary to monitor the stationary regeneration cycle the entire one hundred minutes. In addition, it is not necessary to leave the Diagnostic Scan Tool connected to the vehicle once the stationary regeneration has been initiated. Periodic monitoring of the cycle can be accomplished by monitoring the percent of completion through the EVIC or by connecting the Diagnostic Scan Tool and reviewing the percent of completion on the scan tool.

14. Stationary De-Soot will automatically abort once the cycle is complete. If Stationary De-Soot needs to be aborted prior to the end of the cycle, any of the following manual methods can be used:

- Turning the ignition OFF
- Depressing the brake pedal
- Moving the PRNDL from P/N to D/R

15. Once Stationary De-Soot is complete, remove the antitheft device.

16. Position the spare tire back into its stowage position.