
Clear The Continuous Diagnostic Trouble Codes (DTCs) And Reset The Emission Monitors Information in The Powertrain Control Module (PCM)

The clearing of continuous DTCs allows the scan tool to command the PCM to clear and reset all emission related diagnostic information. Clearing the DTCs from the vehicle specific continuous memory DTC menu clears all systems, including the OBD systems. Clearing the DTCs from the OBD generic menu only clears OBD features.

Description

The following events occur when the continuous DTCs and emission monitors information is cleared from the PCM:

- Clears the number of DTCs.
- Clears the DTCs.
- Clears the freeze frame data.
- Resets the status of the OBD system monitors.

Refer to the scan tool manufacturers manual for instructions.

Reset And Clear The Specified Functions

Reset and clear the specified functions is a scan tool function that resets the PCM memory to its default settings. The following functions are available to be reset and cleared on the scan tool:

For F-150

- Diesel Oxidation Catalyst (DOC)
- EGR (Exhaust Gas Recirculation) Throttle
- EGR (Exhaust Gas Recirculation) Valves
- Fuel System - High Pressure Side
- Fuel System - Low Pressure Side
- Injector Correction Factor
- Initialize Selective Catalytic Reductant (SCR) Learning
- MAF (Mass Air Flow) Sensor
- Nitrogen Oxide (NOx)
- Particulate Filter Differential Pressure Sensor
- Particulate Filter Upstream Gauge Pressure Sensor
- Particulate Filter
- Reset Automatic Regeneration Control Tracking Information
- Reset Crankshaft Position Wheel And Sensor Adaptation Values
- Reset Minimum Fuel Mass Adaptions All cylinders
- Reset Minimum Fuel Mass Adaptions for cylinder 1
- Reset Minimum Fuel Mass Adaptions for cylinder 2
- Reset Minimum Fuel Mass Adaptions for cylinder 3
- Reset Minimum Fuel Mass Adaptions for cylinder 4
- Reset Minimum Fuel Mass Adaptions for cylinder 5
- Reset Minimum Fuel Mass Adaptions for cylinder 6
- Reset Nitrogen Oxide (NOx) Sensor 2 Learnt Values
- Reset Oxygen Sensor Learnt Values
- Reset Particulate Matter Sensor Learnt Values
- Reset Turbocharger/Supercharger A Compressor Coking Protection Strategy
- Reset Turbocharger/Supercharger B Compressor Coking Protection Strategy
- Water In Fuel Counters

For Transit

- Clear EGR Adaptive Tables
- EGT Engine Protection Reset
- Fuel Injector #1 Adaptive Reset
- Fuel Injector #2 Adaptive Reset
- Fuel Injector #3 Adaptive Reset
- Fuel Injector #4 Adaptive Reset

- Fuel Injector #5 Adaptive Reset
- Fuel System - High Pressure Side
- Initialize Selective Catalytic Reductant (SCR) Learning
- IQA
- MAF Sensor
- Mass Fuel Observed Reset
- Minimum Fuel Mass Adaptation - All Cylinders
- Nitrogen Oxide Sensor 2
- Particulate Filter
- Particulate Filter Differential Pressure Sensor
- Relearn Vehicle Data
- Reset Minimum Fuel Mass Adaptions For Cylinder 1
- Reset Minimum Fuel Mass Adaptions For Cylinder 2
- Reset Minimum Fuel Mass Adaptions For Cylinder 3
- Reset Minimum Fuel Mass Adaptions For Cylinder 4
- Reset Minimum Fuel Mass Adaptions For Cylinder 5
- Reset Pump Learning
- SCR System
- Water In Fuel Counter

For All Others

- Crankshaft Position Sensor
- EGR Throttle
- Fuel System - High Pressure Side
- Fuel System - Low Pressure Side
- Initialize Selective Catalytic Reductant (SCR) Learning
- MAF Sensor
- Min. Fuel Mass Adaptation - All Cylinders
- Nitrogen Oxide Sensor 1
- Nitrogen Oxide Sensor 2
- Oil Service Counters
- Oxidation Catalyst
- Particulate Filter
- Particulate Filter Differential Pressure Sensor
- Reset Automatic Regeneration Control Tracking Information
- Reset Minimum Fuel Mass Adaptions For Cylinder 1
- Reset Minimum Fuel Mass Adaptions For Cylinder 2
- Reset Minimum Fuel Mass Adaptions For Cylinder 3
- Reset Minimum Fuel Mass Adaptions For Cylinder 4
- Reset Minimum Fuel Mass Adaptions For Cylinder 5
- Reset Minimum Fuel Mass Adaptions For Cylinder 6
- Reset Minimum Fuel Mass Adaptions For Cylinder 7
- Reset Minimum Fuel Mass Adaptions For Cylinder 8
- Reset Oxygen Sensor Learned Values
- Reset Particulate Matter Sensor Learned Values
- Reset Selective Catalytic Reduction (SCR) Inducement Fault Chain
- Reset Turbocharger/Supercharger A Compressor Coking Protection Strategy
- Reset Turbocharger/Supercharger B Compressor Coking Protection Strategy
- Water In Fuel Counter

After resetting and clearing the specified functions, the vehicle may exhibit certain driveability concerns. It is necessary to drive the vehicle to allow the PCM to relearn the values for optimum driveability and performance.

The clear function for the PCM adaptive tables may not be supported by all scan tools. Refer to the scan tool manufacturers manual for instructions on the scan tool setup, operation, and specific cables and adapters required.

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