

On-Board System Readiness Test

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Description (California Calibration Under 14,000 GVW and All Excursion)

All OBD II scan tools should display the On-Board System Readiness (OSR) Test. The OSR will display the supported monitors on the vehicle, the status of all monitors (complete or not complete) and the MIL status. If a monitor is not complete, the scan tools will not identify the monitor that has not completed. None of the typical OBD II monitors such as catalyst, heated catalyst, evaporative system, secondary air, A/C, HO2S or the EGR monitors, apply to the 7.3L diesel. The values of the monitors are not used. Readiness is reported based on the completeness of the comprehensive component monitors (CCM) and the misfire monitor. Both monitors must be complete before readiness can be cleared. It is not possible to determine which individual monitors are complete/incomplete. Furthermore, the use of CCM to determine readiness for diesels is a relatively new feature and some scan tools may default to ALL OBD II MONITORS COMPLETE.

Accessing On-Board System Readiness Test

New Generation Star

- Perform the necessary vehicle preparation and visual inspection.
- Connect scan tool to DLC.
- SELECT CORRECT VEHICLE, YEAR and MODEL.
- Follow operating instructions from the menu.
- Select GENERIC OBD II FUNCTIONS.

Note: If all the monitors are not complete, the OSR test will automatically be displayed along with a message.

- Press TEST button to display OSR test.
- Select ON-BOARD SYSTEM READINESS.

Generic Scan Tool

Refer to the manufacturer's manual for specific instructions.

OBD II PID Data Monitor

The PID monitor for OBD II offers real time evaluation of several emissions-related parameters. Most of these are related to the HO2S and EGR, for which the diesel has no equivalent. The only parameters which apply to 7.3L diesel applications are CCNT, IAT, LOAD, MAP, MIL, RPM and VSS.

Accessing the PID Data Monitor

New Generation Star

- Perform the necessary vehicle preparation and visual inspection.
- Connect scan tool to DLC.
- SELECT CORRECT VEHICLE, YEAR and MODEL.
- Follow operating instructions from the menu.
- Select GENERIC OBD II FUNCTIONS.
- Select PID DATA MONITOR, choose only diesel-related PIDs.

Generic Scan Tool

- Refer to the manufacturer's manual for specific instructions.

OBD II Pending Codes

Pending codes are codes that have only set during one drive cycle and may not have set the MIL yet. While some codes can set the MIL during one drive cycle, they are not recorded as OBD II DTCs until failing during a second drive cycle. These DTCs may be identified using the Retrieve Pending Codes Feature. Additionally, they will be found in the vehicle-specific mode RETRIEVE/CLEAR CONTINUOUS DTCs from the instant that the code is set.

This function will only report pending failures that have occurred during the present drive cycle, but not indicate single failures that happened on any previous drive cycle.

Accessing the PID Data Monitor

New Generation Star

- Perform the necessary vehicle preparation and visual inspection.
- Connect scan tool to DLC.
- SELECT CORRECT VEHICLE, YEAR and MODEL.
- Select year, engine, model with the appropriate qualifier, if needed (for example, transmission, 49 States, California).
- Follow operating instructions from the menu.
- Select GENERIC OBD II FUNCTIONS.
- Select RETRIEVE PENDING CODES.

Generic Scan Tool

- Refer to the manufacturer's manual for specific instructions.

Misfire Monitoring Supported

This menu pick can be used to determine if the misfire monitoring system is supported on your particular application. All California emission-equipped 7.3L diesel vehicles under 14,000 lbs and all Excursion (OBD II) utilize misfire detection. When selecting this function, a message will be displayed on the screen: "test not supported by this module" or "test supported by this module."

Comprehensive Component Monitoring Supported

This menu pick can be used to determine if the comprehensive component monitoring system is supported on your particular application. All California emission-equipped 7.3L diesel vehicles under 14,000 lbs and all Excursion (OBD II) utilize comprehensive component monitoring. When selecting this function, a message will be displayed on the screen: "test not supported by this module" or "test supported by this module."

Misfire Monitoring Status

This menu pick can be used to determine the status of the misfire monitoring system on your particular application. All California emission-equipped 7.3L diesel vehicles under 14,000 lbs and all Excursion (OBD II) utilize misfire detection. When selecting this function, a message will be displayed on the screen: "test complete, or not applicable" or "test not complete."

Comprehensive Component Monitoring Status

This menu pick can be used to determine the status of the comprehensive component monitoring system on your particular application. All California emission-equipped 7.3L diesel vehicles under 14,000 lbs and all Excursion (OBD II) utilize comprehensive component monitoring. When selecting this function, a message will be displayed on the screen: "test complete, or not applicable" or "test not complete."

PTO Status

This menu pick can be used to determine the status of the PTO system on your particular application. Some transmission OBD II monitors are disabled during PTO and split shaft operation. Vehicle must be out of PTO mode to clear P1000. When selecting this function, a message will be displayed on the screen: "PTO active" or "PTO non active."

