

Technical Glossary

On-Board-Diagnostics

- A computerized emissions-control system installed on all light-duty 1996 and newer model year gasoline powered vehicles and 1997 and newer light duty diesel powered vehicles 8,500 pounds or less gross vehicle weight rating .
- The OBD system monitors sensors attached to all emissions-control related components.
- If any component in a vehicle's emissions-control system malfunctions more than one time, the OBD system will illuminate the malfunction indicator lamp and store one or more diagnostic trouble codes.
- The test is initiated by connecting a computerized scan tool to the test vehicle's data link connector for the purpose of verifying the vehicle's pollution-control devices are functioning correctly.

Vehicle Inspection Report

- The report generated by the computerized inspection equipment and issued when an inspection or reinspection is conducted at a licensed Safety and OBD Emissions inspection station. This report is informational only, and will not be valid for vehicle registration purposes.

Vehicle Inspection Database

- The database where all inspection related data is stored.
- Missouri State Highway Patrol personnel and Department of Natural Resources personnel will use the vehicle inspection database for auditing, fraud documentation, and enforcement authorization.
- Department of Revenue fee offices will use the vehicle inspection database for registration and renewal purposes on a real-time basis.
- The state's contractor, SysTech International will maintain the vehicle inspection database and use it to conduct transactions with the shops, record and document vehicle safety and emissions inspections as performed at licensed inspection stations on a real-time basis, and to provide inspection verification to Department of Revenue's fee offices for registration purposes.

Gateway Vehicle Inspection Program

- The Missouri State Highway Patrol and Department of Natural Resources jointly administer the vehicle safety and OBD emissions inspection program for the ozone non-attainment areas of St. Louis City, St. Louis, Franklin, Jefferson and St. Charles counties.
- All 1996 and newer model year gasoline powered motor vehicles and 1997 and newer model year light-duty diesel powered vehicles registered in the St. Louis ozone nonattainment area are subject to the OBD emissions test.

GVIP inspection stations can be

1) emissions test only, or 2) emissions and safety combined.