

## LCB File No. R178-01

### PROPOSED REGULATION OF THE DEPARTMENT OF MOTOR VEHICLES

NAC 445B.580      Inspection of vehicle: Procedure. (NRS 445B.785)

1. After the owner or operator of ~~+~~ *model year 1968 through 1995 inclusive and 1996 and newer heavy duty* motor vehicle requests an inspection, an approved inspector shall follow the sequence of prompts displayed by the exhaust gas analyzer when conducting the inspection.

2. *For vehicle model years 1968 through 1995 inclusive and 1996 and newer heavy duty motor vehicles*, while the vehicle is at normal operating temperature, the inspector shall connect the exhaust gas analyzer to the vehicle following the sequence of instructions programmed into the analyzer. The probe of the analyzer must be placed in the exhaust pipe of the vehicle. With the engine speed increased to 2,500 revolutions per minute, a steady level of carbon monoxide and hydrocarbons must be recorded by the analyzer. The engine speed must be returned to idle and a steady level of carbon monoxide and hydrocarbons must be recorded. If the vehicle is equipped with dual exhaust pipes, a test must be completed on both exhaust pipes and the average level of carbon monoxide and hydrocarbons must be recorded when the engine speed is increased to 2,500 revolutions per minute and when the engine speed is returned to idle.

3. *For vehicle model years 1968 through 1995 inclusive and 1996 and newer heavy duty motor vehicles*, the inspector shall visually inspect:

(a) The exhaust system to determine whether or not there is smoke when idling and at 2,500 revolutions per minute; and

(b) The engine to determine whether or not there are blowby gases from the crankcase when idling and at 2,500 revolutions per minute.

4. *For vehicle model years 1968 through 1995 inclusive and 1996 and newer heavy duty motor vehicles*, the inspector shall:

(a) Visually inspect:

(1) All *1968 through 1995 inclusive and 1996 and newer heavy duty* motor vehicles to determine the presence of a properly installed gas cap; and

(2) Each motor vehicle with a model year of 1981 ~~or newer~~ *through 1995 inclusive and 1996 and newer heavy duty motor vehicles*, to determine the presence of an exhaust gas recirculation valve, catalytic converter, air injection system and fuel inlet restricter, and whether that equipment appears to be operating in accordance with the specifications of the manufacturer of the vehicle; and

(b) Enter the results of the visual inspection into the analyzer.

5. *For light duty vehicle model years 1996 and newer, while the vehicle is at normal operating temperature, the inspector shall turn the ignition switch to the off position for at least 12 seconds. The inspector shall locate the data link connector and connect the test equipment. The inspector shall visually inspect the operation of the malfunction illumination light while turning the ignition switch to the run position with the engine off. The inspector shall start the vehicle, leave the engine running and establish communication with the OBDII on-board system. The inspector shall visually inspect the vehicle to determine if the*

*malfunction illumination light is commanded on. The inspector shall review the emission readiness code status. The inspector shall retrieve any data trouble codes that may be present.*

6. The inspector shall complete each test and issue a vehicle inspection report indicating whether or not the vehicle passes the inspection.

7. The inspector shall issue a vehicle inspection report indicating that the vehicle *with a model year 1968 through 1995 inclusive and 1996 and newer heavy duty vehicles* did not pass the inspection if:

(a) The emissions from the vehicle exceed the maximum levels for carbon monoxide or hydrocarbons, or both, as prescribed in NAC 445B.596;

(b) Smoke or blowby is visible; or

(c) The vehicle does not meet the requirements of NAC 445B.579.

8. *The inspector shall issue a vehicle inspection report indicating that light duty vehicles with a model year 1996 or newer did not pass the inspection if:*

(a) *The light duty vehicle with a model year 1996 or newer has a malfunction illumination light that fails to illuminate during a key engine off visual inspection.*

(b) *The light duty vehicle with a model year 1996 or newer has its malfunction illumination light commanded on continuously.*

(c) *The light duty vehicle with a model year 1996 or newer has a data link connector that is missing, tampered or inoperable, including related electrical circuitry.*

(d) *No serial data communication from the on-board OBDII computer system of a light duty vehicle model year 1996 or newer.*

~~[7.]~~ 9. If a motor vehicle *model year 1968 through 1995 inclusive and 1996 and newer heavy duty vehicles* passes all portions of an inspection but has an improper gas cap or no gas cap, the owner or operator of the motor vehicle shall obtain a gas cap which is in accordance with the specifications of the manufacturer of the vehicle. The inspector shall inspect the new gas cap and certify its presence in a manner prescribed by the department, and sign and date the failing vehicle inspection report beneath the gas cap tamper description. Such a vehicle inspection report may be used as evidence of compliance.