

11 CSR 50-2.280 Air Pollution Control Devices

(1) The inspection of air pollution control devices installed by the manufacturer will apply only to 1968 and later model spark ignition engines. This does not apply to diesel fuel vehicles, or to vehicles operating exclusively on propane fuel or compressed gas. Vehicles converted with option to operate on gasoline or propane are permitted to remove or modify the thermostatic air cleaner.

(2) Crankcase ventilation.

(A) The ventilation system of the crank case is commonly known as the positive crank case ventilation (PCV) system. The engine should be warm and running at idle before inspection of the vent system.

(B) Inspect plumbing connections for tightness and proper routing. Disconnect PCV valve from engine. Shake briskly and listen for a rattling sound. Place finger or thumb over end of valve and feel for vacuum suction.

(C) Reject vehicle:

1. If plumbing is loose, broken, leaking, or improperly routed.
2. If there is no vacuum suction or valve doesn't rattle when shaken.
3. If any part of the system is missing.

(3) Air Injection System

(A) An air injection type exhaust emission control system can be identified by an air pump and, in some cases, an external distribution system to the exhaust ports. The air pump is normally driven by a belt off the crankshaft or water pump pulleys.

(B) With engine stopped, inspect tension of air pump drive belt. Inspect hose connections at air pump, anti-backfire valve, check valves and air distribution manifolds.

(C) Reject vehicle:

1. If belt is loose, connections are loose, broken or leaking.

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2. If any part of the injection system is missing.

(4) Engine modification type.

(A) An engine modification control system may be most easily identified as one without an air pump.

(B) With engine stopped, inspect ignition wiring and vacuum hose connections.

(C) Reject vehicle:

1. If wires or connections are loose, broken or leaking.

2. If any part of system is missing.

(5) Catalytic converters.

(A) Many 1975 and later model vehicles are equipped with catalytic converters. These devices are located in the exhaust system, usually in front of the muffler.

(B) Inspect catalytic converter.

(C) Reject vehicle:

1. If catalytic converter is bypassed or modified, is not securely attached, has leakage, or is patched by other than an arc or acetylene weld.

2. If a 1981 or later model vehicle is not equipped with a catalytic converter, as equipped by the manufacturer and as specified on the emission label.

