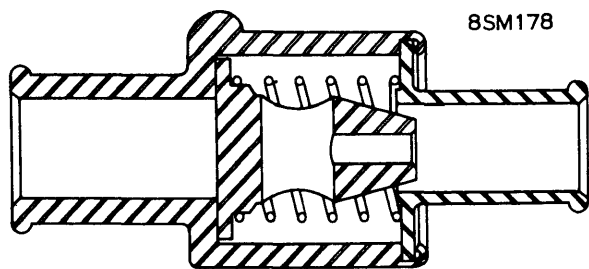


1961-67 PONTIAC OPEN SYSTEM

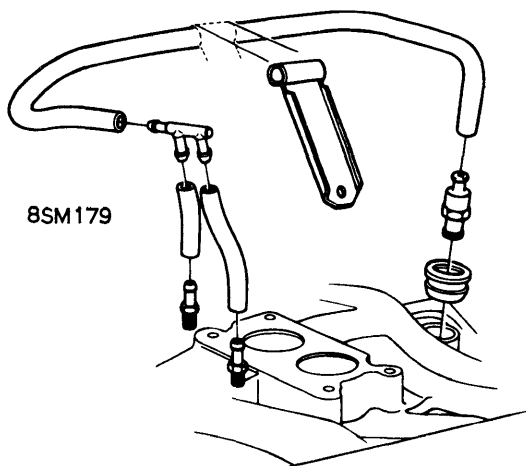
DESCRIPTION

1961-62 California cars, 1963-65 cars and 1966-67 non-California cars use an "open" positive crankcase ventilation system "Type 1". The open system consists of a check valve control replacing the conventional crankcase ventilator outlet and a hose connecting this valve to the intake manifold.

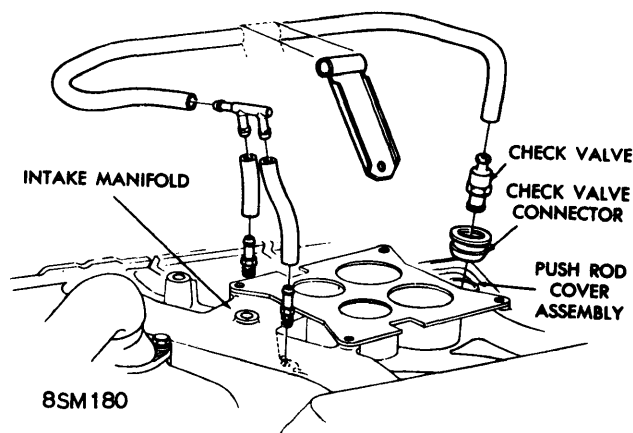
Ventilator valve regulates flow of fumes to intake manifold depending on intake manifold vacuum. Upon reaching intake manifold, fumes are mixed with the fuel mixture and burned in combustion chambers.



CRIMPED TYPE VENTILATION VALVE



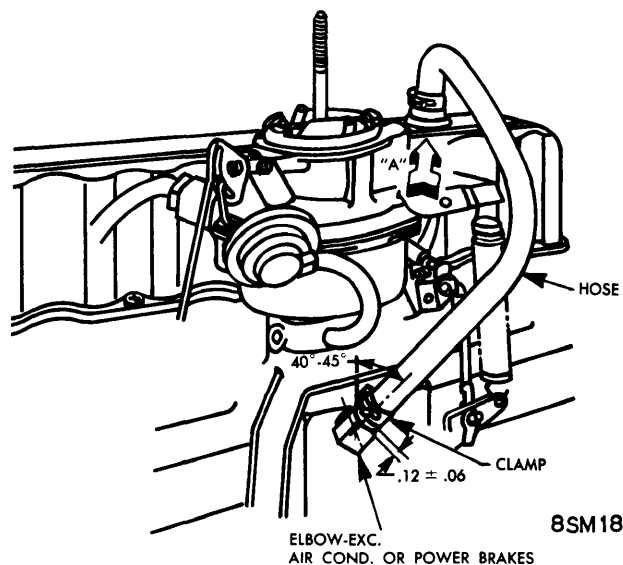
1961-67 "OPEN" VENTILATION V8 2-BBL. CARB.



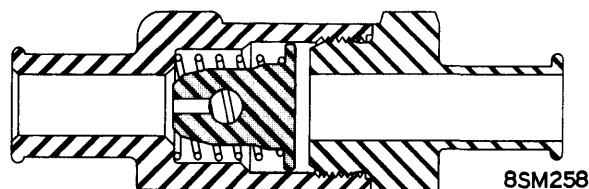
1961-67 "OPEN" VENTILATION V8 4-BBL. CARB.

OPERATION

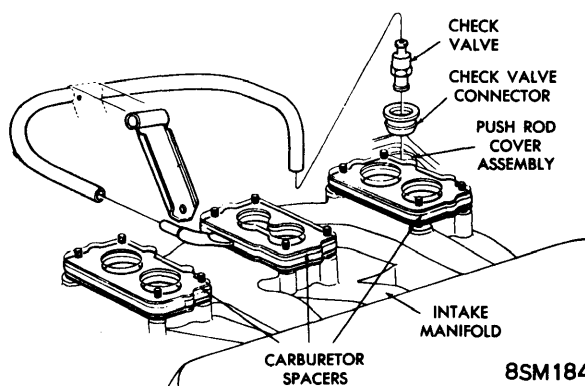
Air enters system through a vented oil filler cap into engine crankcase where fumes are picked up and carried through ventilator valve and into intake manifold.



1964-65 "OPEN" VENTILATION 6 CYL. 1-BBL. CARB.



TAKE-APART TYPE VENTILATION VALVE



1963-67 "OPEN" CRANKCASE VENTILATION THREE 2-BBL. CARBS.

SERVICE PROCEDURE

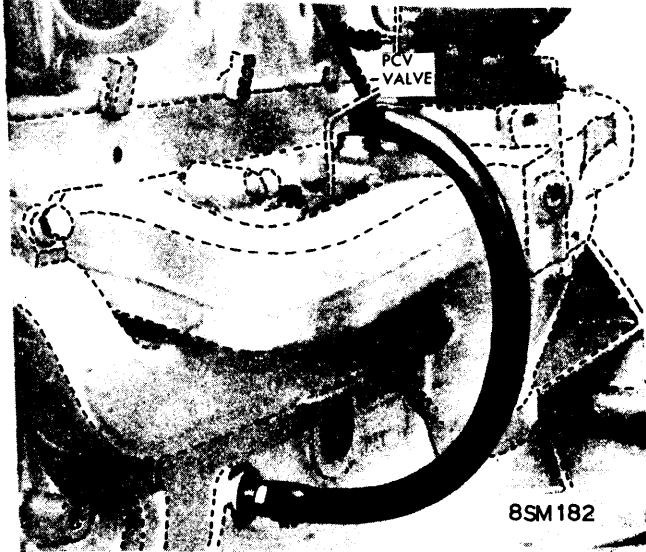
To insure proper operation of "open" crankcase ventilation system it should be serviced once a year or every 12,000 miles. Disconnect both ends of hose and freed of obstructions replace with new hose. Remove crankcase ventilation valve assembly from rubber grommet. If engine is equipped with crimped type

Crankcase Ventilation

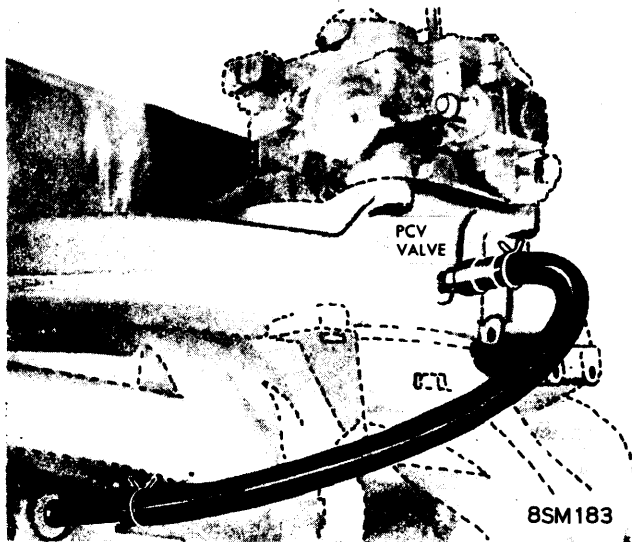
1961-67 PONTIAC OPEN SYSTEM (Cont.)

valve no further disassembly is possible and a new valve should be installed. Clean crankcase and intake manifold connectors using care not to allow dirt to enter openings. Remove crankcase oil filler cap. Clean cap in solvent, blow dry, and re-oil.

valve are properly assembled, valve will not contact seat squarely and will not close properly. Place valve in valve body, tapered end first, install male threaded end of body and tighten securely.



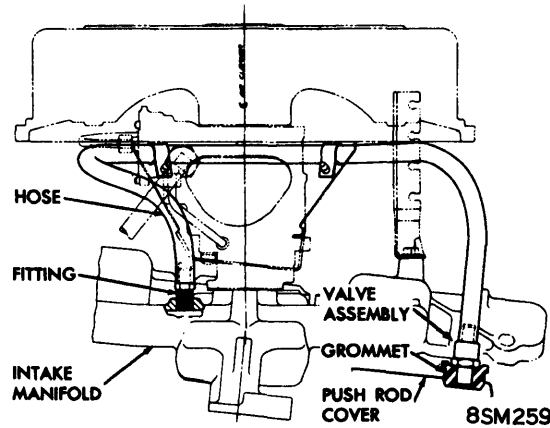
1964-65 "OPEN" VENTILATION 6 CYL. 1-BBL. CARB.



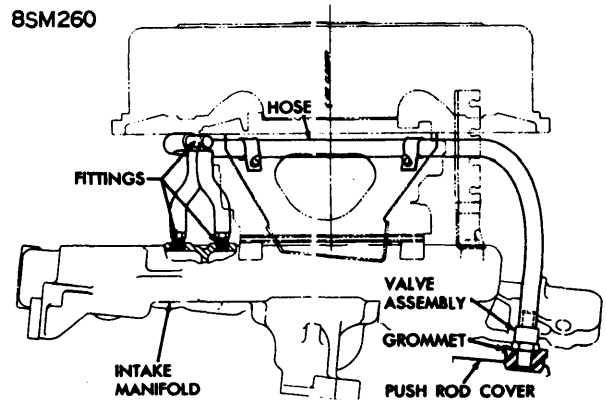
1966-67 "OPEN" VENTILATION 6 CYL. 4-BBL. CARB.

Ventilation Valve Disassembly - This valve is not a crimped valve and can be disassembled. Disassemble valve, clean parts in solvent and blow dry. Inspect parts of valve for damage or excessive wear and replace if necessary. Install spring on valve, tapered end first, into the spring until end of spring is seated in groove just under head of valve. Unless spring and

Positive Crankcase Ventilation Valve Check - Use following procedure for determining condition of positive crankcase ventilation valve without removing from engine. Pinch off hose from valve and note drop in engine RPM. If engine RPM drop is less than 15 RPM (1963-66 models), less than 50 RPM (1967 models), valve should be replaced.



1961-63 "OPEN" VENTILATION 4 CYL. 1-BBL. CARB.



1961-63 "OPEN" VENTILATION 4 CYL. 4-BBL. CARB.