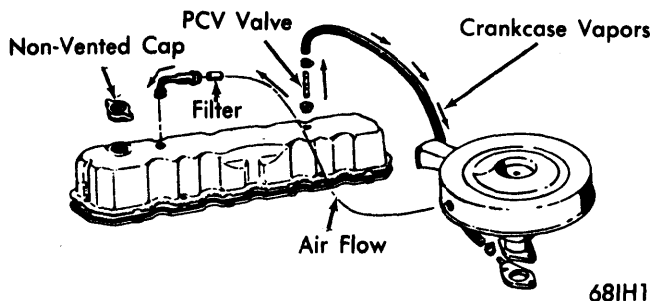


# Crankcase Ventilation Systems

INTERNATIONAL HARVESTER CO.

## DESCRIPTION

A closed positive ventilation system is used on all models. System contains, a non-vented oil filler cap, positive crankcase ventilation valve (PCV) and two hoses, one connecting air cleaner to valve cover and one connecting PCV valve to intake manifold. Some engines have a flame arrestor located in fresh air hose.



TYPICAL CLOSED CRANKCASE VENTILATION SYSTEM

## OPERATION

Closed positive crankcase ventilation introduces clean air through carburetor air cleaner into valve covers, where it mixes with crankcase vapors and is drawn through Positive Crankcase Ventilation Valve (PCV) into intake manifold to be burned in combustion chamber. During heavy acceleration or very high road speeds or if PCV valve becomes clogged, a

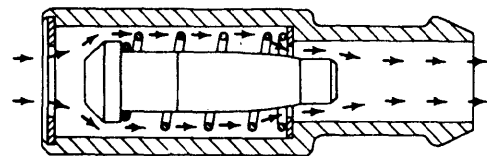
back flow through system occurs and vapors are drawn into carburetor air cleaner. Some engines have a flame arrestor located in fresh air supply hose to prevent ignition of crankcase vapor in case of a backfire.

## SYSTEM CHECKING

To check system, remove PCV valve from grommet in valve cover. With engine running, vacuum should be present at end of valve. If no vacuum is present, remove hose and valve and check for restrictions.

## SERVICE PROCEDURES

Remove air filter located in fresh air hose at carburetor air cleaner. At 12,000 miles wash filter in kerosene. PCV valve should be replaced at 12,000 mile intervals.



POSITIVE CRANKCASE VENTILATION VALVE (PCV)