

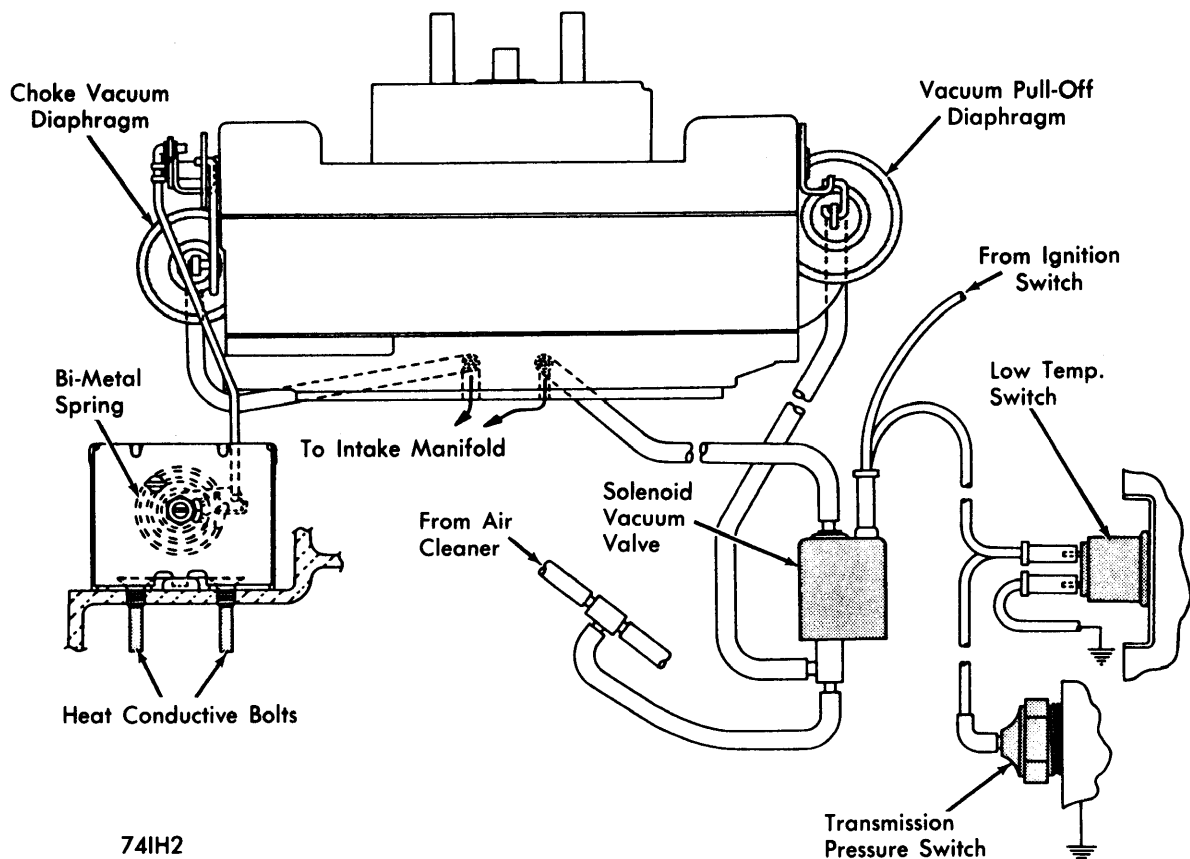
INTERNATIONAL HARVESTER CO. VACUUM PULL-OFF AUTOMATIC CHOKE

DESCRIPTION

Vacuum Pull-Off Automatic Choke is used on 1974 345" and 392" V8 engines with automatic transmission in California only. Coolant temperature and transmission gear selection control opening of choke to provide more efficient choke operation to engine requirements, and reduce carbon monoxide (CO) during engine warm-up. It consists of vacuum pull-off diaphragm, solenoid vacuum valve, low temperature switch and transmission pressure switch. Pull-off choke will completely open choke valve (overriding bi-metal thermostatic spring) when coolant temperature exceeds 60°F and automatic transmission is in high gear.

OPERATION

Solenoid vacuum valve, mounted on firewall, controls vacuum acting upon vacuum pull-off diaphragm. Solenoid valve is activated by electrical current from ignition switch. Flow of current to solenoid valve is controlled by low temperature and transmission switches. Temperature switch is closed at temperatures under and open over 60°F. Transmission switch is open when in high gear. Therefore, when temperature is below 60°F, normal automatic choke operation will result even if transmission is in high gear. When temperature exceeds 60°F and transmission is in high gear normal choke operation will be overridden and choke will be in wide open position. See *Electric Assist Choke* in this section for further detail operation.



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VACUUM PULL-OFF AUTOMATIC CHOKE
(345" & 392" V8 CALIF. ONLY)