1966-69 CHRYSLER CORP. DISTRIBUTOR VACUUM CONTROL VALVE

All Models (1966-68)
170" 6 Cyl. Manual Transmission (1969)
426" Hemi V8, All Transmissions (1969)

DESCRIPTION

Valve provides distributor vacuum advance for better burning of fuel during deceleration. Valve is located on intake manifold with hoses connected from valve body to carburetor, distributor vacuum advance unit, and intake manifold. Adjustable section of valve is protected by cover.

OPERATION

When intake manifold vacuum during deceleration rises to approximately 16 in. Hg, a port is opened in valve to apply full manifold vacuum to distributor vacuum advance unit. Amount of vacuum supplied and valve timing can be adjusted as described in Adjustment Section.

ADJUSTMENT

All Models (1966-69) – To adjust control valve, proceed as follows:

1) Connect suitable tachometer to engine and warm engine to normal operating temperature. Next connect suitable vacuum gauge (0-30 in. Hg) to distributor vacuum tube. "T" fitting should have same inside diameter as distributor vacuum tube.

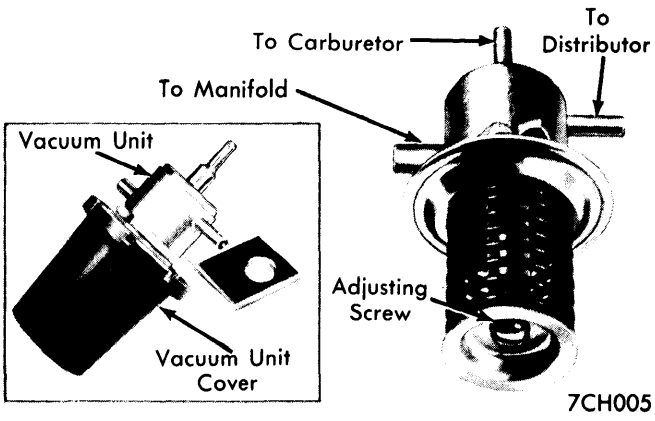
2) If carburetor is equipped with a dash pot, adjust dashpot to not contact throttle lever at curb idle. Clamp vacuum tube closed connecting vacuum valve to manifold vacuum source. Remove distributor vacuum tube at distributor and clamp tube closed.

3) Set basic timing to specifications as outlined in Distributor Section. Curb idle speed must be at specified RPM before timing is adjusted. Adjust carburetor to obtain specified engine speed and exhaust emission level. Distributor vacuum must be below 6 in. Hg at curb idle.

4) Remove clamps from vacuum tubes and reconnect vacuum tube to distributor. Remove vacuum valve cover. Speed engine to 2000 RPM (in Neutral) and hold speed for approximately five seconds. Release throttle and observe distributor vacuum on vacuum gauge. When throttle is released, distributor vacuum should increase to above 16 in. Hg and remain there for a minimum of one second. Distributor vacuum must then fall below 6 in. Hg within three seconds after throttle is released.

5) Adjust valve if necessary. Turning spring end adjusting screw counterclockwise will increase amount of time distributor vacuum remains above 6 in. Hg after throttle is released. One turn of adjusting screw will change valve setting by approximately ½ in. Hg. If valve cannot be adjusted to specifications described in Step No. 4, replace valve.

6) Replace vacuum valve cover. Reset carburetor dashpot if so equipped, and check valve performance (as outlined in Step No. 4). If distributor vacuum does not fall below 6 in. Hg within four seconds after throttle is released, readjust or replace dashpot.



DISTRIBUTOR VACUUM CONTROL VALVE (1966-69)