

# 1981 Exhaust Emission Systems

## FORD MOTOR CO. SPARK DELAY VALVES

### DESCRIPTION & OPERATION

Vacuum Delay Valves (VDV) are used on various parts of the engine to provide for gradual application or release of vacuum to engine or emission control devices. These valves may be one or two-way delay valves, depending on application. Although each valve is named for a given system, it may be used elsewhere.

### TESTING

Connect a hand vacuum pump and hose to valve to be tested. Valves with both sides the same color are good if vacuum can be built up in both directions before bleeding off. Valves with one side black or white and the other side colored are good if vacuum can be built up in one direction only before bleeding off.

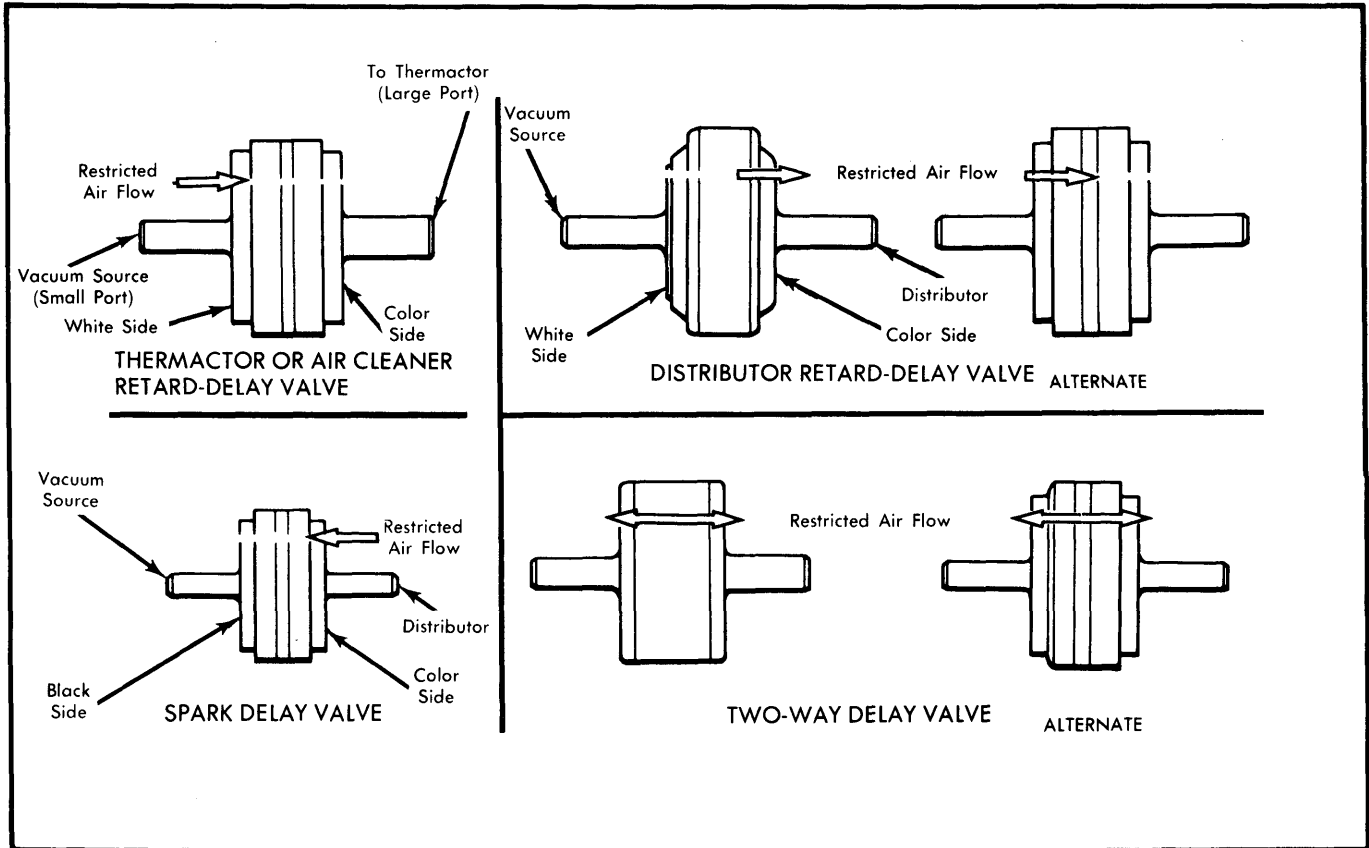


Fig. 1 Four Types of Vacuum Delay Valves