

P - EGR FUNCTION TESTING

1993 Jeep Cherokee

1990-95 ENGINE PERFORMANCE
Jeep EGR Function Testing

All Models

EGR VALVE

PORTED EGR SYSTEM

1) Check vacuum hoses for correct routing. Warm engine to normal operating temperature. Set engine speed to fast idle (or high enough to obtain 5 in Hg at EGR valve). Protect finger from heat and place finger beneath EGR valve so diaphragm movement can be felt.

2) Disconnect vacuum hose from EGR valve. Diaphragm should move downward (valve closed) and increase in engine RPM should be noticed. Reconnect vacuum hose to EGR valve. Diaphragm should move upward (valve open) and engine speed should decrease by at least 150 RPM.

3) If EGR diaphragm does not move during the test, check for vacuum at hose. If vacuum is present, replace EGR valve. If vacuum is not present, check for leaking vacuum hose or plugged carburetor port. If EGR diaphragm moves during the test, but RPM does not change, check for plugged EGR port or passages.