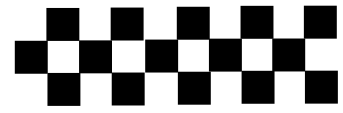


# M-TIPS



Mazda M-TIPS • Nov/Dec • 2005

## 2004-2005 RX-8 RI4725

### **P0442, P0455, P0456 Set In PCM**

Some vehicles may have DTC(s) P0442, P0455 or P0456 stored in PCM memory. Customers may also complain of long cranking time to engine start. This concern may be caused by a stuck open purge valve due to contamination of the upper intake manifold catch tank.

1. Verify concern.
2. Pinch off Leak Detection Pump (LDP) vent line.
3. Using K-LINE EVAP tester, check flow gauge for leaks.
4. If K-LINE indicates leak, fill EVAP system with smoke.
5. Remove hose connection from purge valve to intake manifold at intake manifold.
  - If smoke comes from the purge valve, replace the extension manifold (upper). See Workshop manual section 01-13 INTAKE-AIR SYSTEM.
  - If smoke does not come from purge valve hose, proceed with normal diagnosis. See Workshop manual section 01-02 TROUBLESHOOTING.

