

PGM-FI System

DTC Troubleshooting (cont'd)

DTC P0300: Random misfire and any combination of the following:

DTC P0301: Cylinder 1 Misfire Detected

DTC P0302: Cylinder 2 Misfire Detected

DTC P0303: Cylinder 3 Misfire Detected

DTC P0304: Cylinder 4 Misfire Detected

DTC P0305: Cylinder 5 Misfire Detected

DTC P0306: Cylinder 6 Misfire Detected

NOTE:

- If the misfiring is frequent enough to trigger detection of increased emissions during two consecutive driving cycles, the MIL will come on, and DTC P0300 (and some combination of P0301 through P0306) will be stored.
- If the misfiring is frequent enough to damage the catalyst, the MIL will blink whenever the misfiring occurs, and DTC P0300 (and some combination of P0301 through P0306) will be stored. When the misfiring stops, the MIL will remain on.

1. Troubleshoot the following DTCs first if any of them were stored along with the random misfire DTC(s):

- P0107, P0108, P1128, P1129: MAP Sensor (see page 11-66)
- P0131, P0132: Primary HO2S (see page 11-87)
- P0171, P0172: Fuel metering (see page 11-101)
- P0335, P0336: CKP sensor (see page 11-115)
- P0401, P1491, P1498: EGR system (see page 11-212)
- P0505: Idle control system (see page 11-152)
- P1259: VTEC System (see page 6-8)
- P1361, P1362, P1366, P1367: CMP (TDC) A/B sensor (see page 11-132)
- P1519: IAC valve (see page 11-153)

2. Test-drive the vehicle to verify the symptom.

3. Find the symptom in the chart below, and do the related procedures in the order listed until you find the cause.

Symptom	Procedure(s)	Also check for:
Random misfire only at low RPM and load	Check fuel pressure (see page 11-179).	<ul style="list-style-type: none"> • Low compression. • Low quality fuel.
Random misfire only during acceleration	<ol style="list-style-type: none"> 1. Check fuel pressure (see page 11-179). 2. Test the ignition coil (see page 4-17). 	Malfunction in the VTEC system (see page 6-8).
Random misfire at high RPM, under load, or under random conditions	<ol style="list-style-type: none"> 1. Check fuel pressure (see page 11-179). 2. Test the ignition coils (see page 4-17). 	Correct valve clearance (see page 6-18).