

### P02F3 - Cylinder 6 Injector Circuit Range/Performance

<b>Description:</b>	This DTC sets when the output voltage of the fuel injector control circuit is outside of the calibrated limit.		
<b>Possible Causes:</b>	<ul style="list-style-type: none"> <li>• INJ6 circuit open</li> <li>• INJ6 circuit short to ground</li> <li>• INJ6RTN circuit open</li> <li>• INJ6RTN circuit short to voltage</li> <li>• Damaged fuel injector connector</li> <li>• Damaged fuel injector</li> </ul>		
<b>Diagnostic Aids:</b>			
<b>Application</b>	<b>Key On Engine Off</b>	<b>Key On Engine Running</b>	<b>Continuous Memory</b>
All	GO to Pinpoint Test <a href="#">DI</a> .		

### P02FC - Cold Start Fuel Injection Control Circuit Low

<b>Description:</b>	This DTC sets when the cold start valve circuits indicate the expected voltage value is less than the calibrated threshold.		
<b>Possible Causes:</b>	<ul style="list-style-type: none"> <li>• CSV circuit open</li> <li>• CSV circuit short to ground</li> <li>• Cold start fuel relay</li> <li>• CSFPPWR circuit open</li> <li>• VPWR circuit open</li> </ul>		
<b>Diagnostic Aids:</b>			
<b>Application</b>	<b>Key On Engine Off</b>	<b>Key On Engine Running</b>	<b>Continuous Memory</b>
All	GO to Pinpoint Test <a href="#">AB</a> .		

### P02FD - Cold Start Fuel Injection Control Circuit High

<b>Description:</b>	This DTC sets when the cold start valve circuits indicate the expected voltage value is greater than the calibrated threshold.		
<b>Possible Causes:</b>	<ul style="list-style-type: none"> <li>• CSV circuit short to voltage</li> <li>• CSFPPWR circuit short to voltage</li> <li>• VPWR circuit short to voltage</li> <li>• Cold start fuel relay</li> </ul>		
<b>Diagnostic Aids:</b>			
<b>Application</b>	<b>Key On Engine Off</b>	<b>Key On Engine Running</b>	<b>Continuous Memory</b>
All	GO to Pinpoint Test <a href="#">AB</a> .		

### P0300 - Random Misfire Detected

<b>Description:</b>	This DTC sets when the misfire detection monitor detects an engine misfire in multiple cylinders or the PCM
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<b>Possible Causes:</b>	cannot identify which cylinder is misfiring.		
	<ul style="list-style-type: none"> <li>• Damaged camshaft position (CMP) sensor</li> <li>• Low fuel (less than 1/8 tank)</li> <li>• Stuck open exhaust gas recirculation (EGR) valve</li> <li>• Restricted EGR passages</li> <li>• Misfire monitor neutral profile correction has not been relearned since the last mechanical repair</li> </ul>		
<b>Diagnostic Aids:</b>	One or more EGR passages may be restricted.		
<b>Application</b>	<b>Key On Engine Off</b>	<b>Key On Engine Running</b>	<b>Continuous Memory</b>
All	GO to Pinpoint Test <a href="#">HD</a> .		

### P0301 - Cylinder 1 Misfire Detected

<b>Description:</b>	This DTC sets when the misfire detection monitor detects an engine misfire in cylinder 1.		
<b>Possible Causes:</b>	<ul style="list-style-type: none"> <li>• Ignition system</li> <li>• Fuel injector 1</li> <li>• Running out of fuel</li> <li>• EVAP purge valve</li> <li>• Fuel pressure</li> <li>• Evaporative emission system</li> <li>• Exhaust gas recirculation (EGR) system</li> <li>• Base engine</li> <li>• Misfire monitor neutral profile correction has not been relearned since the last mechanical repair</li> </ul>		
<b>Diagnostic Aids:</b>	<p>Misfire is defined as lack of combustion in a cylinder due to absence of spark, incorrect fuel metering, low compression, or any other cause.</p> <p>The malfunction indicator lamp (MIL) blinks once per second when a misfire severe enough to cause catalyst damage is detected. If the MIL is on steady state due to a misfire, this indicates the threshold for emissions was exceeded and caused the vehicle to fail an inspection and maintenance tailpipe test.</p>		
<b>Application</b>	<b>Key On Engine Off</b>	<b>Key On Engine Running</b>	<b>Continuous Memory</b>
All	GO to Pinpoint Test <a href="#">HD</a> .		

### P0302 - Cylinder 2 Misfire Detected

<b>Description:</b>	This DTC sets when the misfire detection monitor detects an engine misfire in cylinder 2.		
<b>Possible Causes:</b>	<ul style="list-style-type: none"> <li>• Ignition system</li> <li>• Fuel injector 2</li> <li>• Running out of fuel</li> <li>• EVAP purge valve</li> <li>• Fuel pressure</li> <li>• Evaporative emission system</li> <li>• Exhaust gas recirculation (EGR) system</li> <li>• Base engine</li> <li>• Misfire monitor neutral profile correction has not been relearned since the last mechanical repair</li> </ul>		
<b>Diagnostic Aids:</b>	<p>Misfire is defined as lack of combustion in a cylinder due to absence of spark, incorrect fuel metering, low compression, or any other cause.</p> <p>The malfunction indicator lamp (MIL) blinks once per second when a misfire severe enough to cause catalyst damage is detected. If the MIL is on steady state due to a misfire, this indicates the threshold for emissions was exceeded and caused the vehicle to fail an inspection and maintenance tailpipe test.</p>		
<b>Application</b>	<b>Key On Engine Off</b>	<b>Key On Engine Running</b>	<b>Continuous Memory</b>