

GENERAL INFORMATION

Engine Performance Diagnostic Routine Outline

*** PLEASE READ THIS FIRST ***

NOTE: This article is generic in nature and all information does not apply to all vehicles. For vehicle specific information, see the appropriate articles in the **ENGINE PERFORMANCE** category.

WHERE DOES DRIVEABILITY DIAGNOSIS START?

PERFORM BASIC INSPECTION

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1. Verify Customer Complaint
2. Check for Relevant Technical Service Bulletins (TSBs)
3. Perform Visual Inspection (See **Basic Diagnostic Procedures**)
4. Test Engine Sub-Systems (See **Basic Diagnostic Procedures**)
 - Mechanical Condition (Compression)
 - Ignition Output
 - Fuel Delivery
5. Check Air Induction System For Leaks
6. Check & Adjust Basic Engine Settings(See **On-Vehicle Adjustments**)
 - Ignition Timing
 - Idle Speed

CHECK FOR TROUBLE CODES

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1. Check for Diagnostic Trouble Codes (DTCs).(See **Self-Diagnostics**)
2. Repair cause of DTCs.
3. Clear PCM memory and repeat self-test.

DIAGNOSE SYMPTOM

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1. If no self-diagnostics available, or no trouble codes present, identify symptom.
2. See trouble shooting procedure to identify problem. (See **Trouble Shooting - No Codes**)

TEST SYSTEM

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1. Perform required tests. **(See Systems & Component Testing)**
 2. Verify complaint is repaired.
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