ENGINE PERFORMANCE

Self-Diagnostics - EEC-V - 4.2L

INTRODUCTION

Perform all steps in **BASIC TESTING - 4.2L** article in this section. If no fault is found while performing basic diagnostic procedures, proceed with self-diagnostics. If no diagnostic trouble codes or only pass codes are found during self-diagnostics, proceed to **TESTS W/O CODES - 4.2L** article in this section for diagnosis by symptom.

SELF-DIAGNOSTIC SYSTEM

DIAGNOSTIC FORMATS

QUICK TEST and CIRCUIT TESTS are diagnostic formats used to test and service EEC-V system. **QUICK TEST** allows technician to identify problems and retrieve diagnostic trouble codes. CIRCUIT TESTS check circuits, sensors and actuators.

Before starting any CIRCUIT TEST, follow all steps under QUICK TEST to find correct CIRCUIT TEST. If vehicle passes QUICK TEST and no driveability symptoms or intermittent faults exist, EEC-V system is okay.

DIAGNOSTIC TROUBLE CODES (DTC)

During QUICK TEST, 3 types of diagnostic trouble codes are retrieved: KOEO, KOER and Continuous Memory Codes. See **QUICK TEST** for self-test procedures. Codes may be cleared from PCM memory after they have been recorded or repaired. See **CLEARING CODES** .

KOEO & KOER Codes (Hard Faults)

These codes indicate faults are present at time of testing. A hard fault may cause CHECK ENGINE or Malfunction Indicator Light (MIL) to go on and remain on until fault is repaired. If KOEO or KOER codes are retrieved during **KOEO SELF-TEST** or KOER SELF-TEST, use the **DIAGNOSTIC TROUBLE CODE (DTC) REFERENCE CHARTS** to find correct testing and repair procedures.

Continuous Memory Codes (Intermittent Faults)

These codes are used to diagnose intermittent problems. Continuous Memory Codes are retrieved after **KOEO SELF-TEST** . These codes indicate a fault that may or may not be present at time of testing.

After noting and/or repairing fault, clear codes from memory. See **CLEARING CODES** . Intermittent faults may be caused by a sensor, connector or wiring-related problem. See INTERMITTENTS in **TESTS W/O CODES - 4.2L** article.

> CAUTION: Continuous Memory Codes should be recorded when retrieved. These
> codes may be used to identify intermittent problems that exist after all