DTC	U0293	LOST COMMUNICATION WITH HV ECU

CIRCUIT DESCRIPTION

The Controller Area Network (CAN) is a serial data communication system for real–time application. It is a multiplex communication system designed for on–vehicle use that provides a superior communication speed of 500 kbps and a capability to detect malfunction. Through the combination of the CANH and CANL bus lines, the CAN is able to maintain communication based on differential voltage.

HINT:

- Malfunction in the CAN bus (communication line) can be checked through the DLC3 connector, except in case of an open circuit in the DLC3 sub bus line.
- DTCs pertaining to CAN communication can be accessed through the use of the intelligent tester II (with CAN extension module).
- Malfunction in the DLC3 sub bus line cannot be detected through CAN communication, even though the DLC3 connector is connected to CAN communication.

DTC No.	DTC Detecting Condition	Trouble Area
U0293	When communication with HV ECU is interrupted	• Wire harness • HV ECU • ECM

WIRING DIAGRAM

Refer to CAN Communication System on page 05–2308.

INSPECTION PROCEDURE

Refer to CAN Communication System on page 05–2312.

HINT:

Read freeze frame data using the intelligent tester II. Freeze frame data records the engine conditions when a malfunction is detected. When troubleshooting, freeze frame data can help determine if the vehicle was running or stopped, if the engine was warmed up or not, if the air–fuel ratio was lean or rich, and other data from the time the malfunction occurred.