

DTC**C1280/82****Engine Circuit Malfunction****DESCRIPTION**

If a malfunction in the engine control ECU circuit occurs, the 4WD control ECU will output this DTC.

DTC No.	DTC Detection Condition	Trouble Area
C1280/82	When the following continues for 5 seconds or more: - Communication with engine control ECU is operating normally, but throttle position sensor is malfunctioning.	<ul style="list-style-type: none"> • Throttle position sensor • Throttle position sensor wire harness and connector • CAN communication system

TF**INSPECTION PROCEDURE**

HINT:

Check the condition of each related circuit connector before troubleshooting (see page [IN-37](#)).

1**CHECK FOR DTC**

- (a) Clear the DTC (see page [TF-16](#)).
- (b) Turn the ignition switch OFF.
- (c) Turn the ignition switch ON and check that can communication system DTC is not output.

Result

Result	Proceed to
CAN communication system DTC is output	A
Engine control DTC is output	B

B**GO TO ENGINE CONTROL SYSTEM****A****GO TO CAN COMMUNICATION SYSTEM**

DTC**C1296/96****ABS Malfunction****DESCRIPTION**

If a malfunction in the speed sensor signal circuit yaw rate sensor circuit occurs, the 4WD control ECU will output this DTC.

DTC No.	DTC Detection Condition	Trouble Area
C1296/96	When either condition below is met: 1. Wheel speed sensor malfunction is received from skid control ECU 2. Deceleration sensor malfunction is received from skid control ECU	<ul style="list-style-type: none"> • CAN communication line • Skid control ECU • Speed sensor • 4WD control ECU • Yaw rate sensor • Wire harness

INSPECTION PROCEDURE

HINT:

Check the condition of each related circuit connector before troubleshooting (see page [IN-37](#)).

1**CHECK FOR DTC**

- (a) Clear the DTC (see page [TF-16](#)).
- (b) Turn the ignition switch OFF.
- (c) Turn the ignition switch ON again and check that CAN communication system DTC(s) is not output.
- (d) Drive the vehicle, accelerate to a speed of 20 km/h (12 mph) or more, and check if the speed sensor DTC (brake control system DTC) is output (see page [BC-57](#)).

Result

Result	Proceed to
Neither CAN communication system DTC nor brake control system DTC is output	A
CAN communication system DTC is output	B
Brake control system DTC (speed sensor DTC) is output	C

HINT:

When DTCs indicating a CAN communication system malfunction are output, repair the CAN communication system before repairing each corresponding sensor.

B

REPAIR CIRCUIT INDICATOR BY OUTPUT CODE (CAN COMMUNICATION SYSTEM)

C

REPAIR CIRCUIT INDICATOR BY OUTPUT CODE (BRAKE CONTROL SYSTEM)

A**2****CHECK OPERATION OF 4WD CONTROL ECU**

- (a) Replace the 4WD control ECU with a normally functioning or new one.
- (b) Reconfirm DTC.

OK:
DTC is output.

OK

REPLACE 4WD CONTROL ECU

NG

GO TO BRAKE CONTROL SYSTEM (ANTI-LOCK BRAKE SYSTEM OR VEHICLE STABILITY CONTROL SYSTEM)

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