

# PRODEMAND

YMMS: 2010 Nissan Maxima SV  
 Engine: 3.5L Eng  
 VIN:

Sep 17, 2021  
 License:  
 Odometer:

## DTC P0725: ENGINE SPEED

### Description

The engine speed signal is transmitted from ECM to TCM via CAN communication line.

### DTC Logic

### DTC DETECTION LOGIC

### DTC DETECTION LOGIC CHART

DTC	Trouble diagnosis name	DTC is detected if...	Possible cause
P0725	Engine Speed Input Circuit	<ul style="list-style-type: none"> <li>TCM does not receive the CAN communication signal from the ECM.</li> <li>Engine speed is too low while driving.</li> </ul>	Harness or connectors (The ECM to the TCM circuit is open or shorted.)

### DTC CONFIRMATION PROCEDURE

**CAUTION:** Always drive vehicle at a safe speed.

**NOTE:** Immediately after performing any "DTC CONFIRMATION PROCEDURE", always turn ignition switch OFF. Then wait at least 10 seconds before performing the next test.

#### 1. CHECK DTC DETECTION

With CONSULT-III

1. Turn ignition switch ON.
2. Select "Data Monitor" in "TRANSMISSION".
3. Start engine and maintain the following conditions for at least 10 consecutive seconds.  
 PRI SPEED SEN : More than 1000 rpm

**Is "P0725" detected?**

YES: Go to "DIAGNOSIS PROCEDURE".

NO: Check intermittent incident. Refer to INTERMITTENT INCIDENT .

### Diagnosis Procedure

#### 1. CHECK DTC WITH ECM

With CONSULT-III

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Results" in "ENGINE".  
**Is the inspection result normal?**  
YES: GO TO 2.  
NO: Check DTC detected item. Refer to DTC INDEX .

#### 2. CHECK DTC WITH TCM

With CONSULT-III

Perform "Self Diagnostic Results" in "TRANSMISSION".

**Is "P0725" detected?**

YES: Replace TCM. Refer to "EXPLODED VIEW".

NO: GO TO 3.

#### 3. DETECT MALFUNCTIONING ITEMS

Check TCM connector pin terminals for damage or loose connection with harness connector.

**Is the inspection result normal?**

YES: Replace TCM. Refer to "EXPLODED VIEW".

NO: Repair or replace damaged parts.