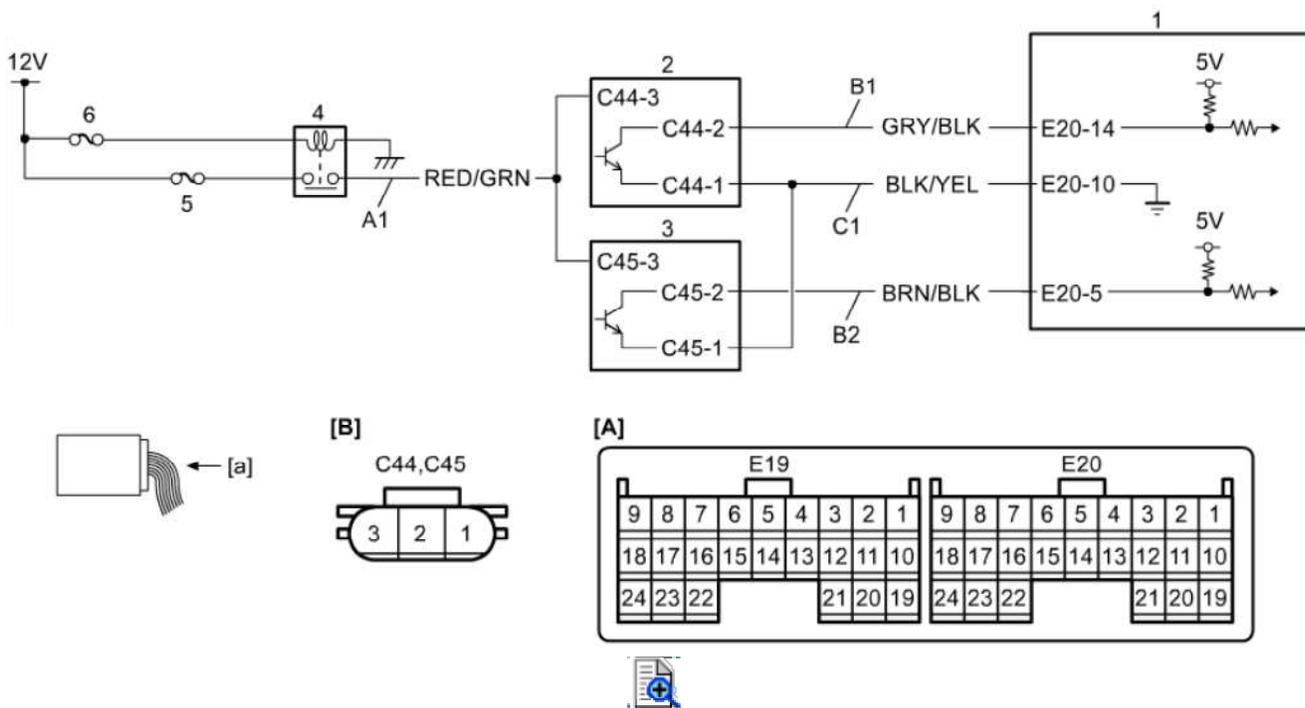


DTC P0716**DTC Detecting Condition and Trouble Area**

DTC detecting condition	Trouble area
<p>DTC P0716: Input / Turbine Speed Sensor "A" Circuit Range / Performance</p> <p>This DTC is detected if all the following conditions are met.</p> <ul style="list-style-type: none"> • Difference between engine speed and primary pulley speed is higher than 1000 rpm for 5 sec. when lock-up ON. • Difference between measured value and estimated value of primary pulley speed is higher than 1000 rpm for 5 sec. when lock-up ON. <p>(2 D/C detection logic)</p>	<ul style="list-style-type: none"> • Primary pulley speed sensor and/or its circuit • Secondary pulley speed sensor and/or its circuit • TCM

Circuit Diagram

[A]: TCM connector (View: [a])	B2: Secondary pulley speed sensor signal circuit	3. Secondary pulley speed sensor
[B]: Primary or secondary pulley speed sensor connector (View: [a])	C1: Sensor ground circuit	4. CVT relay
A1: Primary pulley speed sensor power supply circuit	1. TCM	5. "AT" fuse
B1: Primary pulley speed sensor signal circuit	2. Primary pulley speed sensor	6. "IG1 S/G" fuse

DTC Confirmation Procedure**WARNING:**

- Perform road test in a place where there is no traffic to prevent an accident.
- Road test should be performed with two persons, a driver and a tester, on a level road.

NOTE:

- **Be sure to troubleshoot first unexpected DTCs previously detected in “DTC Confirmation Procedure”.**
- **Confirm that the following conditions are met in this procedure.**
 - **Battery voltage > 10.5 V**
 - **CVT fluid temperature at engine start $\geq 10\text{ }^{\circ}\text{C}$ (50 $^{\circ}\text{F}$)**

- 1) Drive vehicle at more than 40 km/h (25 mile/h) for 10 sec.
- 2) Stop vehicle.
- 3) Push engine switch to change ignition mode to “OFF”, and leave ignition mode in “OFF” for 10 sec.
- 4) Push engine switch to change ignition mode to “ON”.
- 5) Repeat Step 1) through 2) twice.

DTC Troubleshooting

Step	Action	Yes	No
1	Was “CVT System Check” performed?	Go to Step 2.	Go to CVT System Check .
2	Primary pulley speed sensor and its circuit check 1) Check primary pulley speed sensor and its circuit according to Step 2 through 4 of DTC P0717 . Are they in good condition?	Go to Step 3.	Repair or replace defective parts.
3	Secondary pulley speed sensor and its circuit check 1) Check secondary pulley speed sensor and its circuit according to Step 2 through 4 of DTC P0722 . Are they in good condition?	Go to Step 4.	Repair or replace defective parts.
4	DTC check of ECM 1) Check DTC of ECM.  Is there any DTC(s)?	Go to troubleshooting for applicable DTC.	Substitute a known-good TCM and recheck DTC. 