

<b>Last Modified:</b> 3-22-2019	6.8:8.0.48	<b>Doc ID:</b> RM000000XHS0DOX
<b>Model Year Start:</b> 2013	<b>Model:</b> Prius C	<b>Prod Date Range:</b> [12/2012 - ]
<b>Title:</b> BRAKE CONTROL / DYNAMIC CONTROL SYSTEMS: ELECTRONICALLY CONTROLLED BRAKE SYSTEM: CHECK FOR INTERMITTENT PROBLEMS; 2013 MY Prius C [12/2012 - ]		

## **CHECK FOR INTERMITTENT PROBLEMS**

### **1. CHECK FOR INTERMITTENT PROBLEMS**

#### **HINT:**

A momentary interruption (open circuit) in the connectors and/or wire harnesses between the sensors and ECUs can be detected using the Data List function of the Techstream.

- (a) Turn the ignition switch off.
- (b) Connect the Techstream to the DLC3.
- (c) Turn the ignition switch to ON (IG).
- (d) Turn the Techstream on.
- (e) Follow the directions on the Techstream to display the Data List and select areas where momentary interruptions should be monitored.

#### **HINT:**

- A momentary interruption (open circuit) cannot be detected for 3 seconds after the ignition switch is turned to ON (IG) (initial check).
- If Error remains displayed for one of the items on the Techstream, check for continuity between the ECU and the item for which Error is displayed.
- If a momentary interruption occurs and Error is displayed on the Techstream, Error will remain displayed on the Techstream for 1 second after the circuit returns to normal.

### **ABS/VSC/TRAC**

TESTER DISPLAY	MEASUREMENT ITEM/RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
FR Speed Open	Front speed sensor RH open detection / Error or Normal	Error: Momentary interruption Normal: Normal	-
FL Speed Open	Front speed sensor LH open detection / Error or Normal	Error: Momentary interruption Normal: Normal	-
RR Speed Open	Rear speed sensor RH open detection / Error or Normal	Error: Momentary interruption Normal: Normal	-
RL Speed Open	Rear speed sensor LH open detection / Error or Normal	Error: Momentary interruption Normal: Normal	-
Yaw Rate Open	Yaw rate sensor open detection / Error or Normal	Error: Momentary interruption Normal: Normal	-
Deceleration Open	Acceleration sensor open detection / Error or Normal	Error: Momentary interruption Normal: Normal	-

TESTER DISPLAY	MEASUREMENT ITEM/RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Steering Open	Steering angle sensor open detection / Error or Normal	Error: Momentary interruption Normal: Normal	-
Master Cylinder Open	Regulator pressure sensor open detection / Error or Normal	Error: Momentary interruption Normal: Normal	-
Stroke Open	Brake pedal stroke sensor assembly open detection / Error or Normal	Error: Momentary interruption Normal: Normal	-
FR Wheel Cylinder Open	Wheel cylinder pressure sensor open detection / Error or Normal	Error: Momentary interruption Normal: Normal	-
Accumulator Open	Accumulator pressure sensor open detection / Error or Normal	Error: Momentary interruption Normal: Normal	-
HV Communication Open	Hybrid vehicle communication open detection / Error or Normal	Error: Momentary interruption Normal: Normal	-

(f) While observing the screen, gently jiggle the connectors or wire harnesses between the ECUs and sensors, or between ECUs.

OK:

Normal is displayed.

**HINT:**

If the display changes, this indicates that there has been a momentary interruption (open circuit) in the connector and/or wire harness. In this case, repair or replace the connectors and/or wire harnesses as one of them is faulty.

