TOYOTA SERVICE BULLETIN

Group: 09 No.: 45 Date: Dec, 17

Model: Prius NHW20

Subject: Corrections to Repair Manual RM1076E

Please ensure these pages are distributed to all relevant staff for their information; and a copy made available for future reference, with the above repair manual.

Section	Title	Paragraph
DIAGNOSTICS	ELECTRONICALLY CONTOROLLED BRAKE SYSTEM	C1252/52
		C1256/57

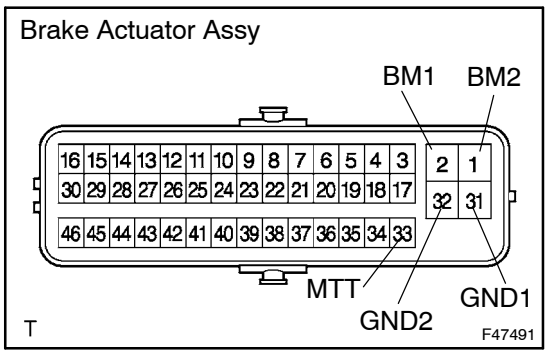
The revised pages listed above are attached.

(The corrected parts are indicated by arrows.)

This bulletin does not cause the Flat Rate Manual to be changed

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3 INSPECT BRAKE ACTUATOR ASSY



(a) Disconnect the brake actuator assy connector.

(b) Measure the resistance according to the value(s) in the table below.

Standard:

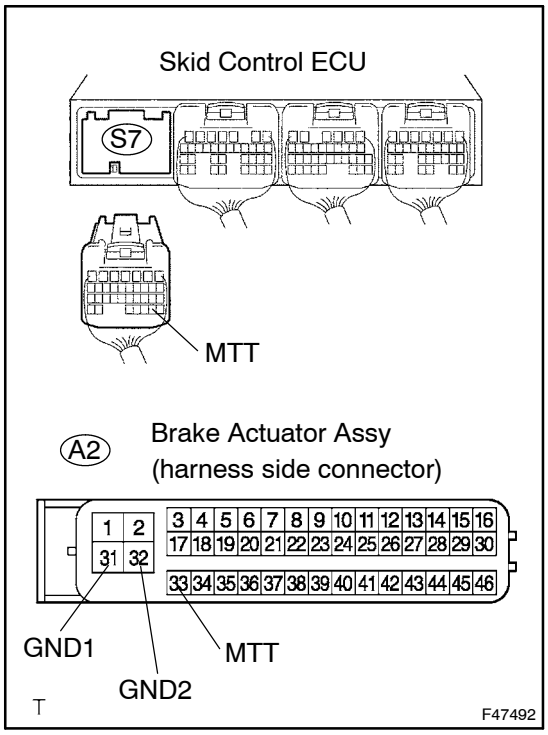
Tester Connection	Specified Condition
1 (BM2) – 31 (GND1)	Below 10 Ω
2 (BM1) – 31 (GND1)	Below 10 Ω
1 (BM2) – 2 (BM1)	Below 1 Ω
31 (GND1) – 32 (GND2)	Below 1 Ω
1 (BM2) – 33 (MTT)	About 500 Ω
2 (BM1) – 33 (MTT)	About 500 Ω

NG → **REPLACE BRAKE ACTUATOR ASSY (SEE PAGE 32–66)**

[Corrected]

OK

4 CHECK HARNESS AND CONNECTOR(SKID CONTROL ECU – BRAKE ACTUATOR ASSY)



(a) Disconnect the skid control ECU connector and brake actuator assy connector.

(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
S7–29 (MTT) – A2–33 (MTT)	Below 1 Ω
A2–31 (GND1) – Body ground	Below 1 Ω
A2–32 (GND2) – Body ground	Below 1 Ω

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

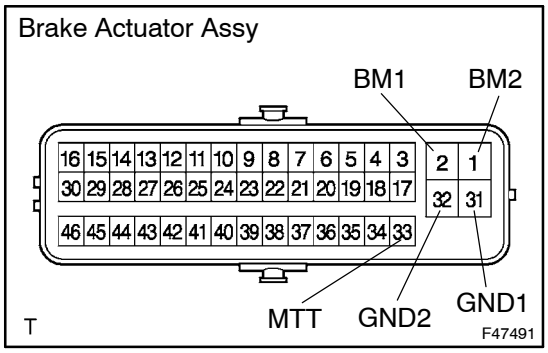
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INSPECTION PROCEDURE

HINT:

DTCs may be output if the accumulator pressure drops due to frequent braking (this is not a malfunction).

1 INSPECT BRAKE ACTUATOR ASSY



(a) Disconnect the brake actuator assy connector.

(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
1 (BM2) – 31 (GND1)	Below 10 Ω
2 (BM1) – 31 (GND1)	Below 10 Ω
1 (BM2) – 2 (BM1)	Below 1 Ω
31 (GND1) – 32 (GND2)	Below 1 Ω
1 (BM2) – 33 (MTT)	About 500 Ω
2 (BM1) – 33 (MTT)	About 500 Ω

NG → **REPLACE BRAKE ACTUATOR ASSY (SEE PAGE 32–66)**

[Corrected]

OK

2 READ VALUE OF INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.

(b) Turn the power switch ON (READY).

(c) Select the DATA LIST mode on the intelligent tester II.

Item	Measurement Item / Range (Display)	Normal Condition
Accumulator Sensor 1	Accumulator pressure sensor 1 / min.: 0 V, max.: 5 V	Specified value: 3.2 to 4.0 V

(d) Depress the brake pedal 4 or 5 times to operate the pump motor, and check the output value on the intelligent tester II with the motor stopped (not braking).

OK:

ACC pressure sensor's output voltage does not drop.

NG → **REPLACE BRAKE ACTUATOR ASSY (SEE PAGE 32–66)**

OK

REPLACE SKID CONTROL ECU ASSY (SEE PAGE 32–81 or 32–82)

NOTICE:

When replacing the skid control ECU assy, perform initialization of linear solenoid valve and calibration (see page 05–721).

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