TOYOTA
SERVICE BULLETIN
Group: 09 No.: 18 Date: May, 17

Model: FJ Cruiser GSJ15

Subject: Corrections to Repair Manual RM07D9E

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
CAN COMMUNICATION	CAN COMMUNICATION SYSTEM	HOW TO PROCEED WITH TROUBLESHOOTING (2010/11-2011/08)
		HOW TO PROCEED WITH TROUBLESHOOTING (2011/08-2012/08)
		HOW TO PROCEED WITH TROUBLESHOOTING (2012/08-)

The revised pages listed above are attached.

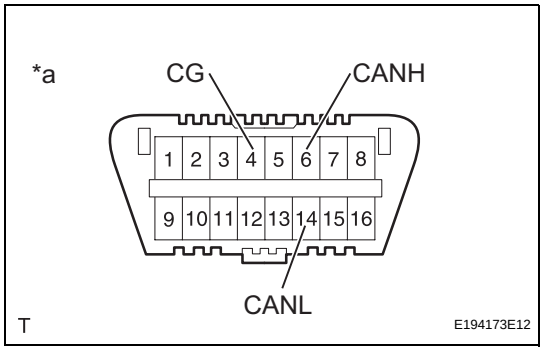
(The corrected parts are indicated by arrows.)

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

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A

7 CHECK V BUS CIRCUIT GND (CANH, CANL - CG)



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

Standard Resistance

Tester Connection	Switch Condition	Specified Condition
6 (CANH) - 4 (CG)	Ignition switch off	200 Ω or higher
14 (CANL) - 4 (CG)	Ignition switch off	200 Ω or higher

Text in Illustration

*a	DLC3

Result

Result	Proceed to
OK	A
NG (for LHD)	B
NG (for RHD)	C

B → **Go to CHECK CAN BUS LINE FOR SHORT TO GND (LHD Models) (See page CA-310)**

C → **Go to CHECK CAN BUS LINE FOR SHORT TO GND (RHD Models) (See page CA-372)**

A

8 CHECK ECUS CONNECTED TO CAN BUS*

(a) Connect the cable to the negative (-) battery terminal.
(b) Select "CAN Bus Check" from "System Select".
(c) Wait 1 minute and then check the display of the connected ECUs and sensors.

Result

Result	Proceed to
All ECUs and sensors connected to the CAN communication system are displayed on the screen.	A
One ECU or sensor connected to the CAN communication system not displayed on the screen.	B
2 or more ECUs and sensors connected to the CAN communication system not displayed on the screen.	C

[Corrected]

NOTICE:
The ECUs and sensors that are not present will not be displayed. Be careful not to mistake them for communication stop malfunctions.
HINT:

- If the display of an ECU is intermittent during the check, one side of an ECU or sensor branch wire is open (The signal of the ECU is treated as noise, which affects the response and display of the GTS).

B → **Go to PROBLEM SYMPTOMS TABLE (See page CA-53)**

CA

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B	GO TO CHECK CAN BUS LINE FOR SHORT TO GND (LHD Models) (See page CA-318)
C	GO TO CHECK CAN BUS LINE FOR SHORT TO GND (RHD Models) (See page CA-382)

A

8	CHECK ECUS CONNECTED TO CAN BUS*

(a) Connect the cable to the negative (-) battery terminal.
(b) Select "CAN Bus Check" from "System Select".
(c) Wait 1 minute and then check the display of the connected ECUs and sensors.

Result

Result	Proceed to
All ECUs and sensors connected to the CAN communication system are displayed on the screen.	A
One ECU or sensor connected to the CAN communication system not displayed on the screen.	B
2 or more ECUs and sensors connected to the CAN communication system not displayed on the screen.	C

[Corrected]

NOTICE:
The ECUs and sensors that are not present will not be displayed. Be careful not to mistake them for communication stop malfunctions.
HINT:
- If the display of an ECU is intermittent during the check, one side of an ECU or sensor branch wire is open (The signal of the ECU is treated as noise, which affects the response and display of the GTS).

B	GO TO PROBLEM SYMPTOMS TABLE (See page CA-54)
C	GO TO OPEN IN ONE SIDE OF CAN BRANCH LINE (See page CA-420)

A

9	CHECK COMMUNICATION MALFUNCTION DTC (PAST DTC CHECK)*

(a) Select "CAN Bus Check" from "System Select".
(b) Write down all of the DTCs stored in each ECU.
HINT:
- If there are communication malfunction DTCs stored but the GTS "CAN Bus Check - Communication Bus Check" screen displays all of the ECUs and sensors connected to the CAN system, the communication malfunction DTCs may be past malfunctions that are no longer present.
- For V bus main wire malfunctions, related ECUs are also detected. Therefore, determine the malfunctioning area based on all of the DTCs that are output.

CA

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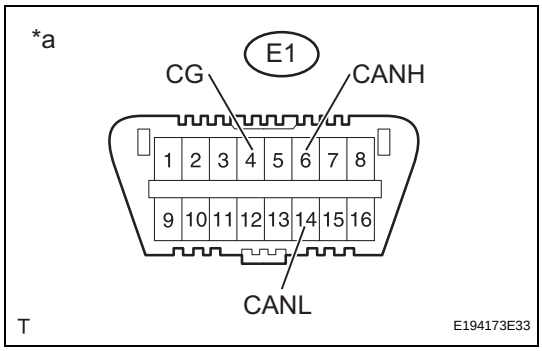
Result	Proceed to
NG (for LHD)	B
NG (for RHD)	C

B → GO TO CHECK CAN BUS LINE FOR SHORT TO +B (LHD Models) (See page CA-299)

C → GO TO CHECK CAN BUS LINE FOR SHORT TO +B (RHD Models) (See page CA-359)

A

7 CHECK V BUS CIRCUIT GND (CANH, CANL - CG)



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

Standard Resistance

Tester Connection	Switch Condition	Specified Condition
E1-6 (CANH) - E1-4 (CG)	Ignition switch off	200 Ω or higher
E1-14 (CANL) - E1-4 (CG)	Ignition switch off	200 Ω or higher

Text in Illustration

*a	Front view of DLC3

Result

Result	Proceed to
OK	A
NG (for LHD)	B
NG (for RHD)	C

B → GO TO CHECK CAN BUS LINE FOR SHORT TO GND (LHD Models) (See page CA-327)

C → GO TO CHECK CAN BUS LINE FOR SHORT TO GND (RHD Models) (See page CA-393)

A

8 CHECK ECUS CONNECTED TO CAN BUS*

(a) Connect the cable to the negative (-) battery terminal.
(b) Select "CAN Bus Check" from "System Select".
(c) Wait 1 minute and then check the display of the connected ECUs and sensors.

Result

CA

Result	Proceed to
All ECUs and sensors connected to the CAN communication system are displayed on the screen.	A
One ECU or sensor connected to the CAN communication system not displayed on the screen.	B
2 or more ECUs and sensors connected to the CAN communication system not displayed on the screen.	C

[Corrected]

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