SERVICE TRAINING AND PUBLICATION BULLETIN

No.: OB- 9053
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Date : 2019/2/25

TRAINING	
PUBLICATION	■
INFORMATION	
ADVANCE ORDER	
OTHERS	

APPLICABLE COUNTRIES:

	ALL COUNTRIES		N. AMERICA	■	GENERAL COUNTRIES, EUROPE
	Other				

To: Service Manager

CORRECTION TO
- [x] REPAIR MANUAL
- [ ] ELECTRICAL WIRING DIAGRAM
- [ ] NEW CAR FEATURES
- [ ] BODY REPAIR MANUAL
- [ ] SERVICE DATA SHEET

The following manual has revised service information:

Pub. No.: **RM24N1E** Pub. Name: **LAND CRUISER PRADO Repair Manual**

Section	Title	Paragraph
1KD-FTV ENGINE CONTROL	ECD SYSTEM (w/o DPF)	P0200 (2013/08-2014/08)
		P0200 (2014/08-)

The revised pages listed above are attached.
(The corrected parts are indicated by arrows.)

Please attach the accompanying revised pages to the applicable pages in the manual above.

This Bulletin does not cause the Flat Rate Manual to be changed.

This bulletin is also available on the OASIS Global Service Information Center.
Inquiries : BM_correction_information@mta.mx.toyota.co.jp

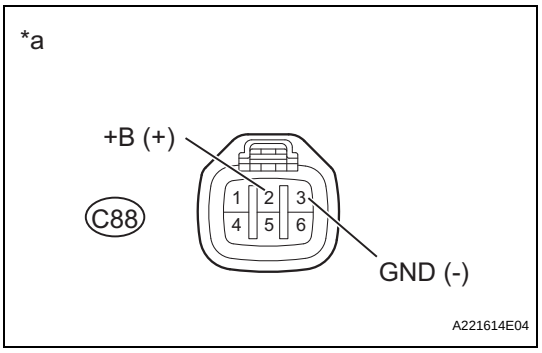
KEEP IN BINDER TOGETHER WITH SERVICE PUBLICATIONS GUIDE

TOYOTA QUALITY SERVICE

TOYOTA MOTOR CORPORATION
VEHICLE ENGINEERING DEPARTMENT
TECHNICAL SERVICE DIVISION
CUSTOMER FIRST PROMOTION GROUP

- Read freeze frame data using the intelligent tester. Freeze frame data records the engine condition when malfunctions are detected. When troubleshooting, freeze frame data can help determine if the vehicle was moving or stationary, if the engine was warmed up or not, and other data from the time the malfunction occurred.

1 CHECK TERMINAL VOLTAGE INJECTOR DRIVER POWER SOURCE



(a) Disconnect the injector driver connectors.
(b) Measure the voltage according to the value(s) in the table below.

Standard Voltage

Tester Connection	Switch Condition	Specified Condition
C88-2 (+B) - C88-3 (GND)	Ignition switch ON	11 to 14 V

Text in Illustration

*a	Front view of wire harness connector (to injector driver)

(c) Reconnect the injector driver connectors.

NG → Go to step 8

OK

2 INSPECT INJECTOR ASSEMBLY (RESISTANCE)

(a) Inspect the injector assembly (See page).

NG → Go to step 9

OK

3 CHECK HARNESS AND CONNECTOR (INJECTOR ASSEMBLY - INJECTOR DRIVER)

(a) Disconnect the injector assembly connectors.
(b) Disconnect the injector driver connectors.
(c) Measure the resistance according to the value(s) in the table below.

Standard Resistance (Check for Open)

Tester Connection	Condition	Specified Condition
C1-1 - C88-1 (IJ1+)	Always	Below 1 Ω
C1-2 - C99-6 (IJ1-)	Always	Below 1 Ω
C2-1 - C88-6 (IJ2+)	Always	Below 1 Ω
C2-2 - C99-4 (IJ2-)	Always	Below 1 Ω
C3-1 - C88-5 (IJ3+)	Always	Below 1 Ω
C3-2 - C99-2 (IJ3-)	Always	Below 1 Ω
C4-1 - C99-3 (IJ4+)	Always	Below 1 Ω
C4-2 - C99-5 (IJ4-)	Always	Below 1 Ω

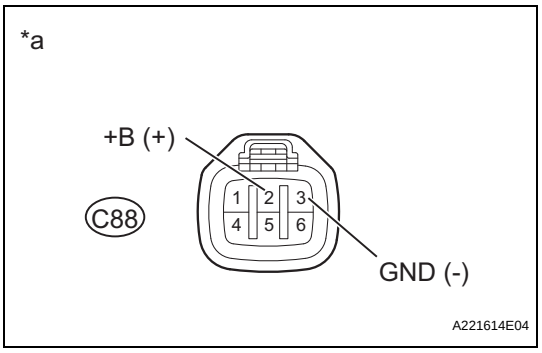
Corrected

Standard Resistance (Check for Short)

Tester Connection	Condition	Specified Condition
C1-1 or C88-1 (IJ1+) - Body ground	Always	10 kΩ or higher

- Read freeze frame data using the intelligent tester. Freeze frame data records the engine condition when malfunctions are detected. When troubleshooting, freeze frame data can help determine if the vehicle was moving or stationary, if the engine was warmed up or not, and other data from the time the malfunction occurred.

1 CHECK TERMINAL VOLTAGE INJECTOR DRIVER POWER SOURCE



(a) Disconnect the injector driver connectors.
(b) Measure the voltage according to the value(s) in the table below.

Standard Voltage

Tester Connection	Switch Condition	Specified Condition
C88-2 (+B) - C88-3 (GND)	Ignition switch ON	11 to 14 V

Text in Illustration

*a	Front view of wire harness connector (to injector driver)

(c) Reconnect the injector driver connectors.

NG → Go to step 8

OK

2 INSPECT INJECTOR ASSEMBLY (RESISTANCE)

(a) Inspect the injector assembly (See page).

NG → Go to step 9

OK

3 CHECK HARNESS AND CONNECTOR (INJECTOR ASSEMBLY - INJECTOR DRIVER)

(a) Disconnect the injector assembly connectors.
(b) Disconnect the injector driver connectors.
(c) Measure the resistance according to the value(s) in the table below.

Standard Resistance (Check for Open)

Tester Connection	Condition	Specified Condition
C1-1 - C88-1 (IJ1+)	Always	Below 1 Ω
C1-2 - C99-6 (IJ1-)	Always	Below 1 Ω
C2-1 - C88-6 (IJ2+)	Always	Below 1 Ω
C2-2 - C99-4 (IJ2-)	Always	Below 1 Ω
C3-1 - C88-5 (IJ3+)	Always	Below 1 Ω
C3-2 - C99-2 (IJ3-)	Always	Below 1 Ω
C4-1 - C99-3 (IJ4+)	Always	Below 1 Ω
C4-2 - C99-5 (IJ4-)	Always	Below 1 Ω

Corrected

Standard Resistance (Check for Short)

Tester Connection	Condition	Specified Condition
C1-1 or C88-1 (IJ1+) - Body ground	Always	10 kΩ or higher