TOYOTA SERVICE BULLETIN

Group: 06 No.: 10 Date: Dec, 14

FJ Cruiser

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
BRAKE	BRAKE PEDAL	ON-VEHICLE INSPECTION

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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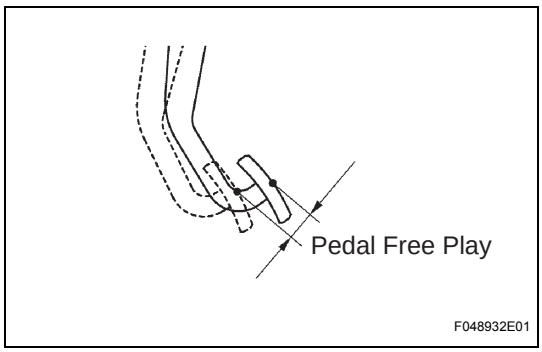
(10) Check the stop light switch clearance.
Stop light switch clearance:
0.5 to 2.6 mm (0.020 to 0.102 in.)
(11) Connect the connector to the stop light switch.

(c) Inspect the brake pedal free play.

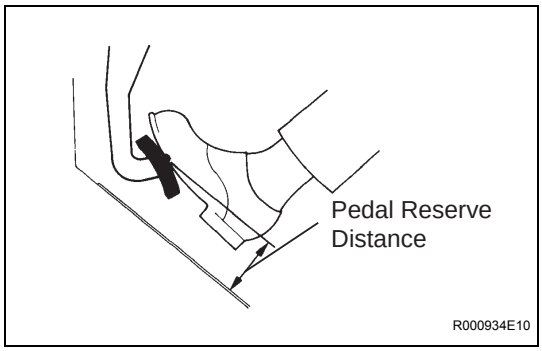
[Deleted]

(1) Stop the engine and depress the brake pedal several times until there is no vacuum left in the booster.

(2) Push in the pedal until the beginning of the resistance is felt. Measure the distance as shown.
Pedal free play:
1.0 to 6.0 mm (0.039 to 0.236 in.)
If incorrect, troubleshoot the brake system.



(d) Inspect the brake pedal reserve distance.
(1) Release the parking brake pedal.
With the engine running, depress the pedal and measure the pedal reserve distance as shown.
Pedal reserve distance from asphalt sheet at 490 N (50 kgf, 110.2 lbf):
More than 56 mm (2.20 in.)
If incorrect, troubleshoot the brake system.



ON-VEHICLE INSPECTION

(2010/11-)

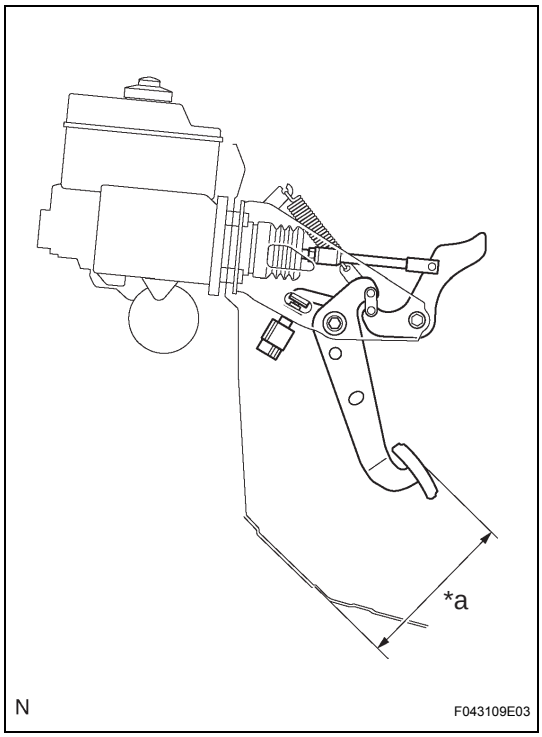
1. INSPECT AND ADJUST BRAKE PEDAL

(a) Inspect the brake pedal height.
Text in Illustration

*a	Pedal height

Pedal height from dash panel:

for LHD	for RHD
168.7 to 178.7 mm (6.642 to 7.035 in.)	158.8 to 168.8 mm (6.252 to 6.645 in.)

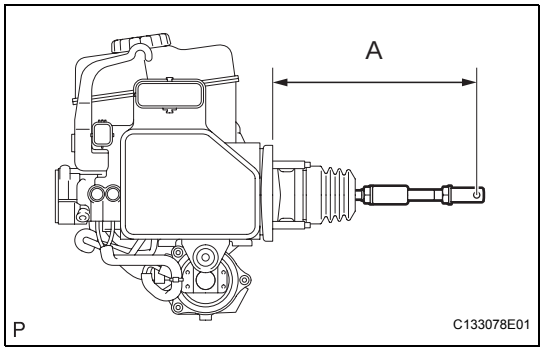


If the pedal height is incorrect, adjust the rod operating adapter length.

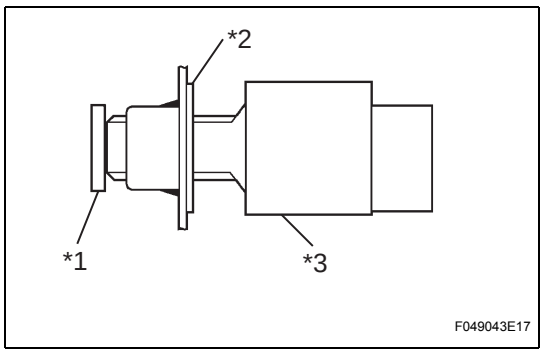
(b) Adjust the brake pedal height.
(1) Disconnect the connector from the stop light switch.
(2) Turn the stop light switch counterclockwise, and remove the stop light switch.
(3) Remove the hydraulic brake booster (See page ○○-○○).

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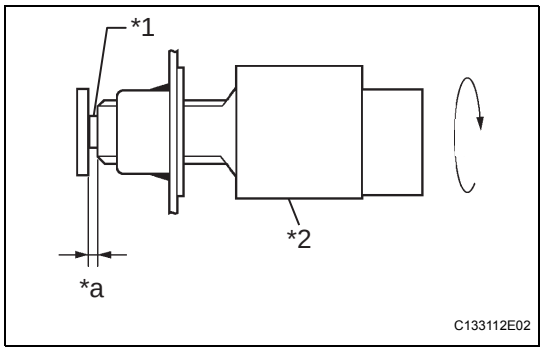
(4) Loosen the clevis lock nut.
(5) Adjust the rod operating adapter length by turning the pedal push rod clevis.
Rod operating adapter length A:
201.7 to 202.7 mm (7.941 to 7.980 in.)
(6) Tighten the clevis lock nut.
Torque: 26 N*m (260 kgf*cm, 19 ft.*lbf)
(7) Install the hydraulic brake booster (See page ○○-○○).



(8) Insert the stop light switch into the adjuster until it just touches the brake pedal.
Text in Illustration

*1	Brake pedal
*2	Stop light switch mounting adjuster
*3	Stop light switch

NOTICE:
Do not depress the brake pedal.



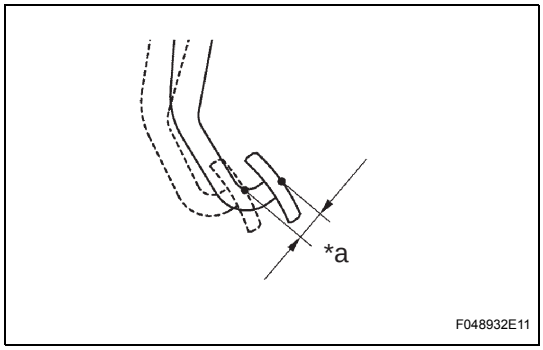
(9) Make a quarter turn clockwise to install the stop light switch.
Text in Illustration

*1	Shaft
*2	Stop light switch
*a	Stop light switch clearance

NOTICE:
Do not depress the brake pedal.
HINT:
The turning torque for installing the stop light switch:
Torque: 1.5 N*m (15 kgf*cm, 13 in.*lbf) or less
(10) Check the stop light switch clearance.
Stop light switch clearance:
0.5 to 2.6 mm (0.020 to 0.102 in.)
(11) Connect the connector to the stop light switch.

(c) Inspect the brake pedal free play.
Text in Illustration

*a	Pedal free play



[Deleted]
(1) Stop the engine and depress the brake pedal several times until there is no vacuum left in the booster.
(2) Push in the pedal until the beginning of the resistance is felt. Measure the distance as shown.
Pedal free play:
1.0 to 6.0 mm (0.0394 to 0.236 in.)
If incorrect, troubleshoot the brake system.

BR

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