TOYOTA SERVICE BULLETIN
Group: 09 No.: 08 Date: Jan, 15

LandCruiser 200

Corrections to Repair Manual RM22W1E

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
SUSPENSION CONTROL	ACTIVE HEIGHT CONTROL SUSPENSION	C1718 (2013/01-2013/08)
		C1718 (2013/08-)
		C1763 (2013/01-2013/08)
		C1763 (2013/08-)

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.

DTC	C1718	**Pressure Sensor Circuit Malfunction** (2013/01-2013/08)

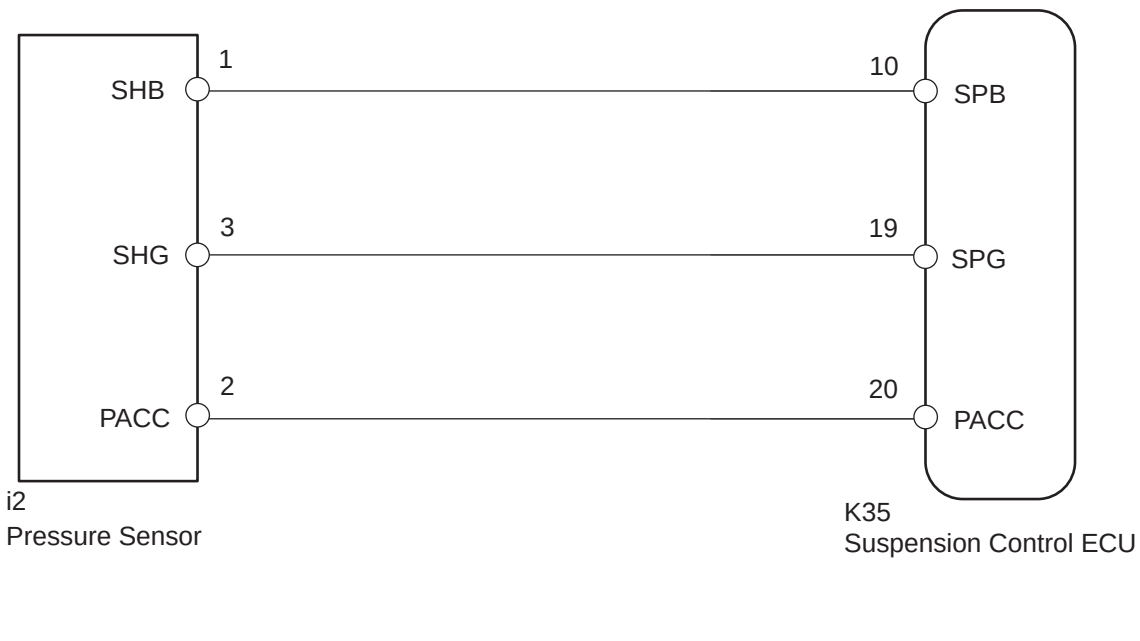
DESCRIPTION

This circuit is used for sending the data to detect the pressure output from the pump. The abnormality of the fluid pressure is judged by the ECU.

DTC Code	Detecting Condition	Trouble Area
C1718	When one of the following conditions is met: • When detecting an abnormal signal from the pressure sensor (pressure sensor terminal voltage of ECU is 0.3 V or less or 4.6 V or more) for 1 second. • When there is a pressure sensor power supply voltage malfunction. • When the pump motor is not operating and a pressure of 1 MPa (10.2 kgf/cm^2, 145 psi) or more is placed on the pressure sensor for 20 seconds or more.	• Harness or connector • Height control pump and motor (Pressure sensor) • Suspension control ECU

[Corrected]

WIRING DIAGRAM



SC

INSPECTION PROCEDURE

NOTICE:

- **Before performing troubleshooting, inspect the connectors of related circuits.**
- **If the suspension control ECU or height control sensor is replaced, the vehicle height offset calibration must be performed (See page SC-18).**

DTC	C1718	**Pressure Sensor Circuit Malfunction** (2013/08-)

DESCRIPTION

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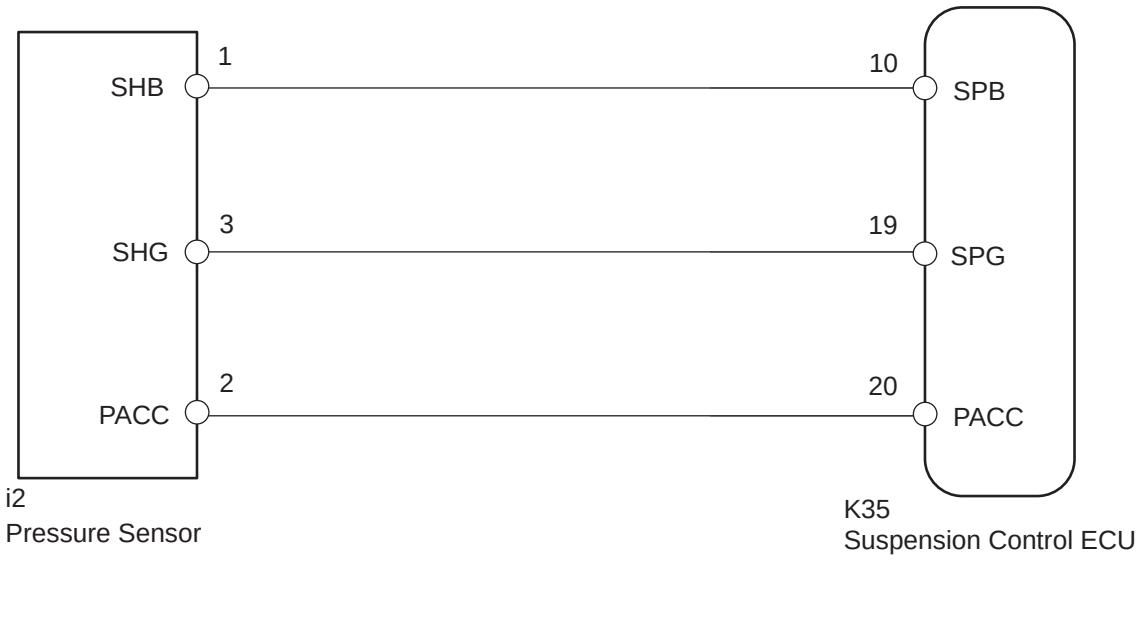
C1718	When one of the following conditions is met: • When detecting an abnormal signal from the pressure sensor (pressure sensor terminal voltage of ECU is 0.3 V or less or 4.6 V or more) for 1 second. • When there is a pressure sensor power supply voltage malfunction. • When the pump motor is not operating and a pressure of 1 MPa (10.2 kgf/cm^2, 145 psi) or more is placed on the pressure sensor for 20 seconds or more.	• Harness or connector • Height control pump and motor (Pressure sensor) • Suspension control ECU

[Corrected]

WIRING DIAGRAM



SC

INSPECTION PROCEDURE

NOTICE:

- **Before performing troubleshooting, inspect the connectors of related circuits.**
- **If the suspension control ECU or height control sensor is replaced, the vehicle height offset calibration must be performed (See page SC-18).**

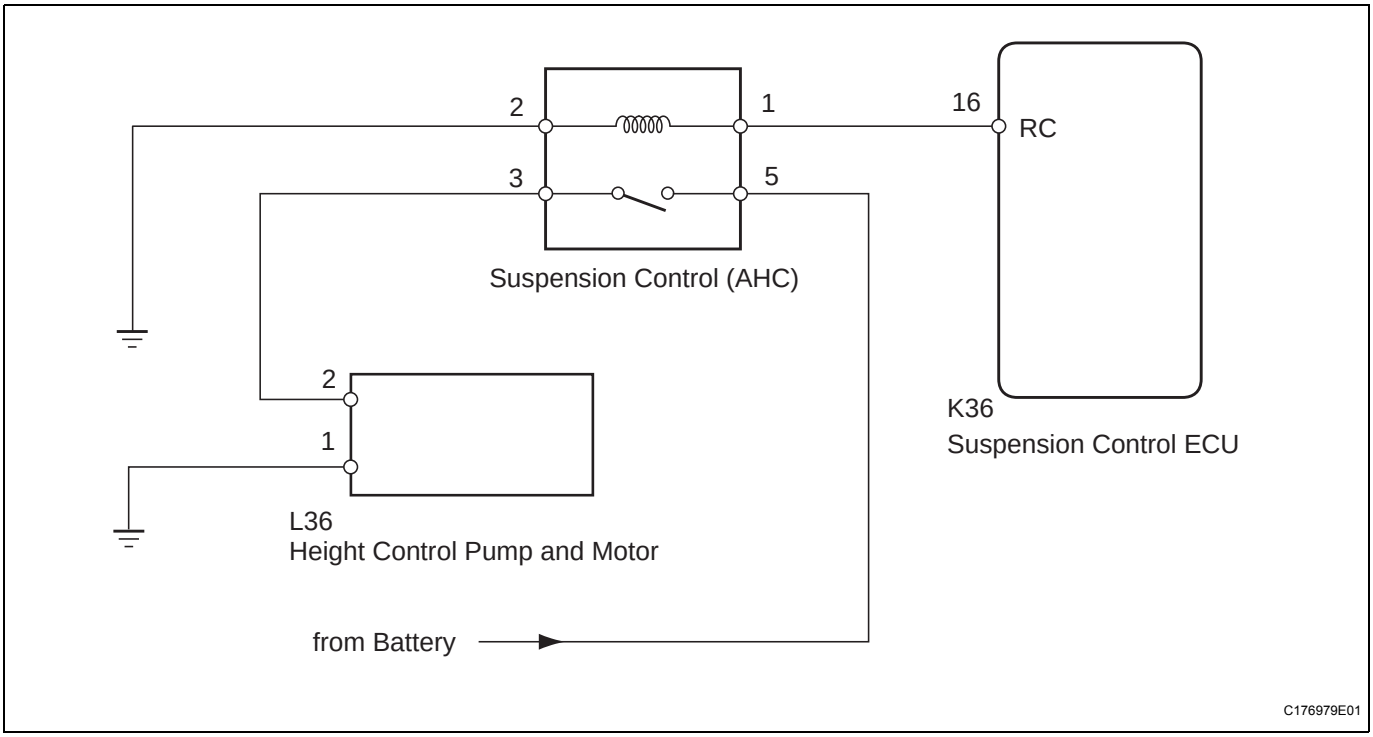
DTC	C1763	**Abnormal Pump Motor Oil Pressure** (2013/01-2013/08)

DESCRIPTION

DTC Code	Detection Condition	Trouble Area
C1763	When either of the following conditions is met: • While the motor relay is in operation, the condition that the fluid pressure is 0.6 MPa (6.1 kgf/cm^2, 87 psi) or less continues for 0.6 seconds. • When the vehicle is climbing a slope, no changes are detected in the fluid pressure for 8 seconds 3 times consecutively.	• Fluid level low [Added] • Harness or connector • Suspension control relay • Height control pump and motor • Suspension control ECU

[Corrected]

WIRING DIAGRAM



SC

INSPECTION PROCEDURE

NOTICE:

- **Before performing troubleshooting, inspect the connectors of related circuits.**
- **If the suspension control ECU or height control sensor is replaced, the vehicle height offset calibration must be performed (See page SC-18).**

1	CHECK FOR DTC

(a) Check for DTCs (See page).

Result

See SUSPENSION CONTROL - ACTIVE HEIGHT CONTROL SUSPENSION - DTC CHECK / CLEAR (2013/01-2013/08)

Result	Proceed to
C1763 only is output	A
C1718 is output simultaneously	B

[Added]

[Added]

B → GO TO DTC CHART (C1718) (See page See*1)

A

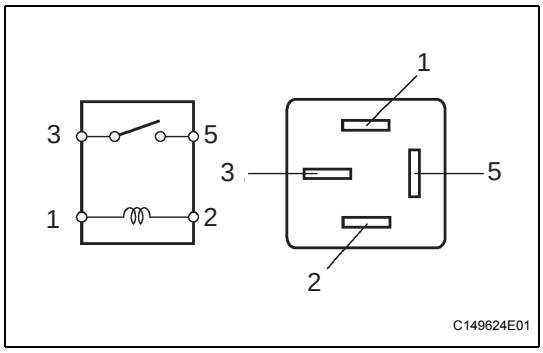
2 INSPECT FOR FLUID LEAK

(a) Inspect for fluid leaks (See page See*2).
OK:
No fluid leakage.

NG → **REPAIR FLUID LEAK OR REPLACE LEAKING PART(S)**

OK

3 INSPECT SUSPENSION CONTROL RELAY (AHC)



(a) Remove the suspension control relay from the engine room relay block.
(b) Measure the resistance according to the value(s) in the table below.
Standard Resistance

Tester Connection	Condition	Specified Condition
3 - 5	Battery voltage is not applied to terminal 1 and 2	10 kΩ or higher
	Battery voltage is applied to terminal 1 and 2	Below 1 Ω

NG → **REPLACE SUSPENSION CONTROL RELAY**

OK

SC

See*1: SUSPENSION CONTROL - ACTIVE HEIGHT CONTROL SUSPENSION - DIAGNOSTIC TROUBLE CODE CHART (2013/01-2013/08)
See*2: SUSPENSION CONTROL - SUSPENSION CONTROL SYSTEM - ON-VEHICLE INSPECTION (2013/01-)

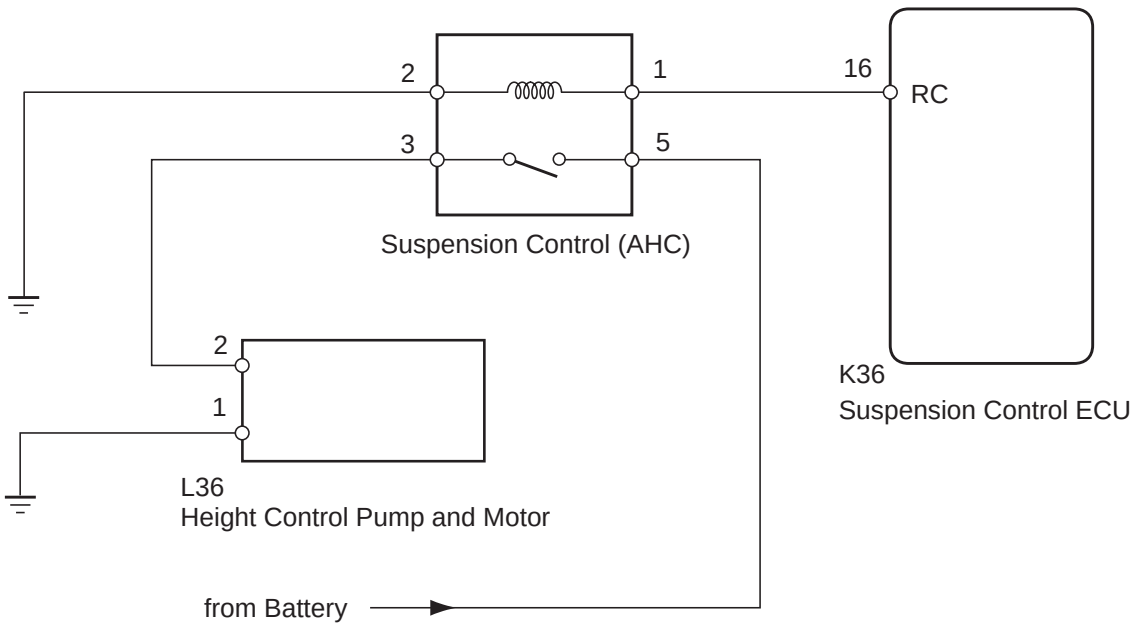
DTC	C1763	Abnormal Pump Motor Oil Pressure (2013/08-)

DESCRIPTION

DTC Code	Detection Condition	Trouble Area
C1763	When either of the following conditions is met: • While the motor relay is in operation, the condition that the fluid pressure is 0.6 MPa (6.1 kgf/cm^2, 87 psi) or less continues for 0.6 seconds. • When the vehicle is climbing a slope, no changes are detected in the fluid pressure for 8 seconds 3 times consecutively.	• Fluid level low [Added] • Harness or connector • Suspension control relay • Height control pump and motor • Suspension control ECU

[Corrected]

WIRING DIAGRAM



SC

INSPECTION PROCEDURE

NOTICE:

- **Before performing troubleshooting, inspect the connectors of related circuits.**
- **If the suspension control ECU or height control sensor is replaced, the vehicle height offset calibration must be performed (See page SC-18).**

1	CHECK FOR DTC

(a) Check for DTCs (See page).

Result

Result	Proceed to
C1763 only is output	A
C1718 is output simultaneously	B

See SUSPENSION CONTROL - ACTIVE HEIGHT CONTROL SUSPENSION - DTC CHECK / CLEAR (2013/08-)

[Added]

B → **GO TO DTC CHART (C1718) (See page** See*1 **)**

A

2	**INSPECT FOR FLUID LEAK**

(a) Inspect for fluid leaks (See page See*2).

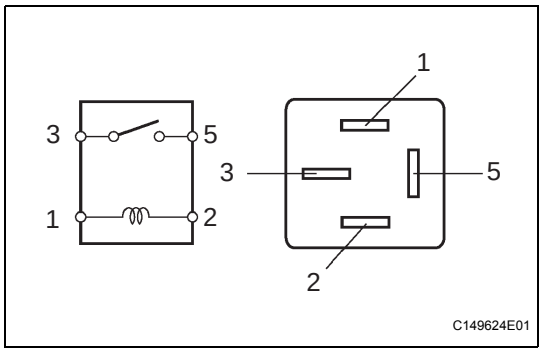
OK:

No fluid leakage.

NG → **REPAIR FLUID LEAK OR REPLACE LEAKING PART(S)**

OK

3	**INSPECT SUSPENSION CONTROL RELAY (AHC)**



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NG → **REPLACE SUSPENSION CONTROL RELAY**

OK

SC

See*1: SUSPENSION CONTROL - ACTIVE HEIGHT CONTROL SUSPENSION - DIAGNOSTIC TROUBLE CODE CHART (2013/08-)
See*2: SUSPENSION CONTROL - SUSPENSION CONTROL SYSTEM - ON-VEHICLE INSPECTION (2013/01-)