

DTC	C1298/98	Linear Solenoid Circuit
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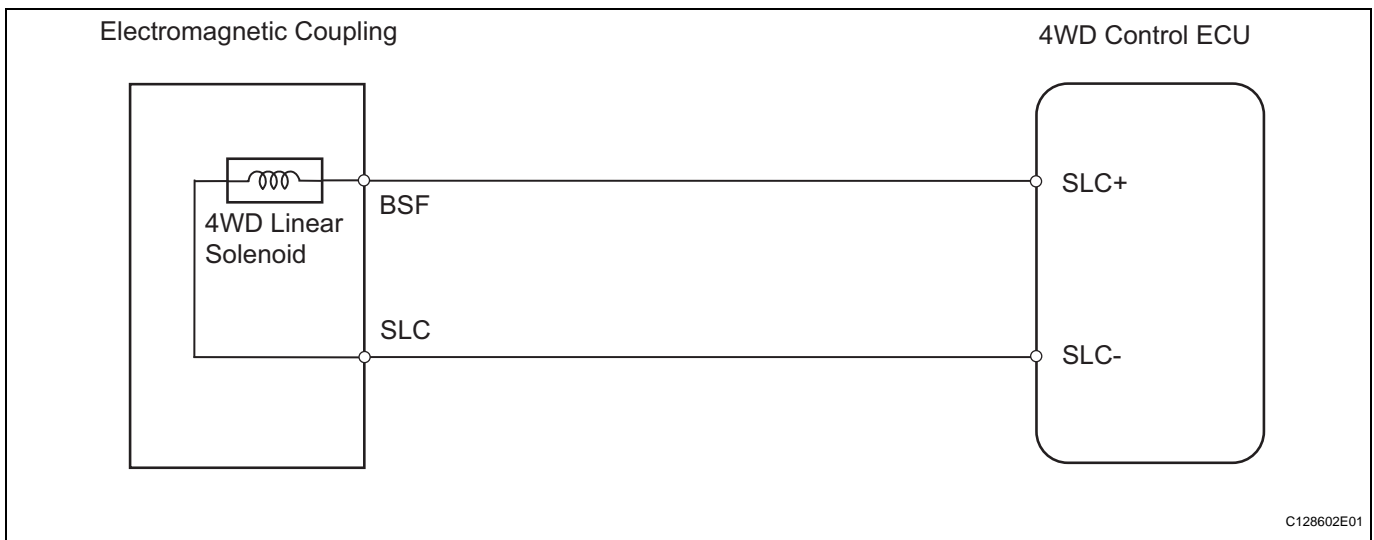
DESCRIPTION

The 4WD control ECU receives signals from each sensor to control clutch fluid pressure for limiting the center differential operation, which distributes torque according to the driving conditions.

DTC No.	DTC Detection Condition	Trouble Area
C1298/98	1. When the following continues for 1 second or more: - With the current of the 0.8 A or more, an open or short in the linear solenoid circuit occurs.	<ul style="list-style-type: none"> Wire harness Electromagnetic coupling 4WD control ECU

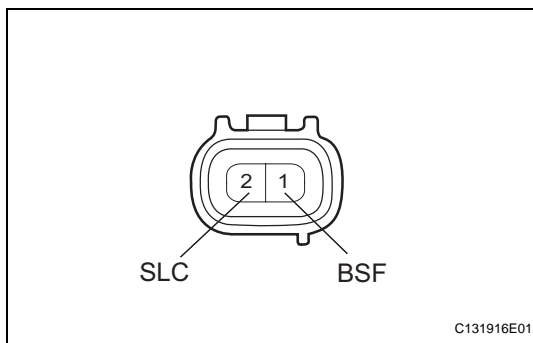
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WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT ELECTROMAGNETIC COUPLING (4WD LINEAR SOLENOID)
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- (a) Remove the coupling connector.
- (b) Measure the resistance of the solenoid.

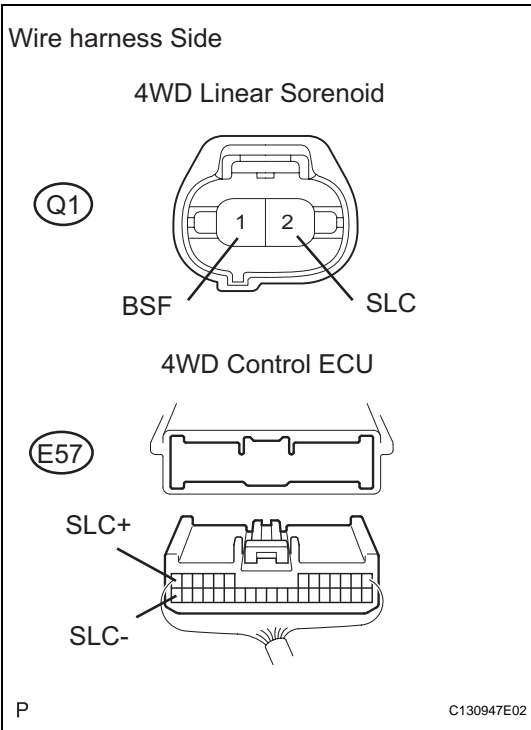
Standard resistance

Tester Connection	Specified Condition
1 (BSF) - 2 (SLC)	2.2 to 2.6 Ω
1 (BSF) - Body ground	10 kΩ or higher
2 (SLC) - Body ground	10 kΩ or higher

NG **REPLACE ELECTROMAGNETIC COUPLING**

OK

2 CHECK WIRE HARNESS (COUPLING - 4WD CONTROL ECU)



- (a) Disconnect the E57 ECU connector.
- (b) Measure the resistance of the wire harness side connector.

Standard resistance

Tester Connection	Specified Condition
E57-13 (SLC+) - Q1-1 (BSF)	Below 1 Ω
E57-32 (SLC-) - Q1-2 (SLC)	Below 1 Ω
E57-13 (SLC+) - Body ground	10 kΩ or higher
E57-32 (SLC-) - Body ground	10 kΩ or higher

NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

REPLACE 4WD CONTROL ECU

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