

DTC	C1299/99	Cancellation of 4WD Control
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DESCRIPTION

- If wheel slip continues, differential control will be disabled when the torque-distribution ratio of the differential clutch exceeds the set value and a malfunction in the output of the wheel speed sensors, etc. occurs.
- If a difference in diameter between the front and rear wheels is determined, differential control will be disabled.

DTC No.	DTC Detection Condition	Trouble Area
C12299/99	When one of following following conditions is met: - Control coupling lock is detected 4 more times. - Condition that controls coupling calorific value is predefined value or more. - Condition that transfer oil temperature is predefined value or more. - Vehicle is driven and energy load tire radius difference between front tires and rear tires is more than 3%	<ul style="list-style-type: none"> • Electromagnetic coupling • Tire size • 4WD control ECU

TF

INSPECTION PROCEDURE

HINT:

Check the condition of each related circuit connector before troubleshooting (see page [IN-37](#)).

1	CHECK TIRE CONDITION
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- (a) Check the size and condition of all 4 tires (see page [TW-1](#)).

HINT:

This DTC is output when tire deformation or a difference in tire size is detected.

OK:

The diameter and air pressure of all 4 tires are the same.

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REPLACE TIRE SO THAT ALL 4 TIRES ARE THE SAME IN SIZE
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OK

2	RECONFIRM DTC
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- (a) Clear the DTC (see page [TF-16](#)).
- (b) Start the engine.
- (c) Drive the vehicle at the speed of 20 km/h (12 mph) or more and check that same DTC is output.

Result

Result	Proceed to
DTC is output	A
DTC is not output	B

B

REPLACE ELECTROMAGNETIC COUPLING



REPLACE 4WD CONTROL ECU