Wiper Signal Circuit

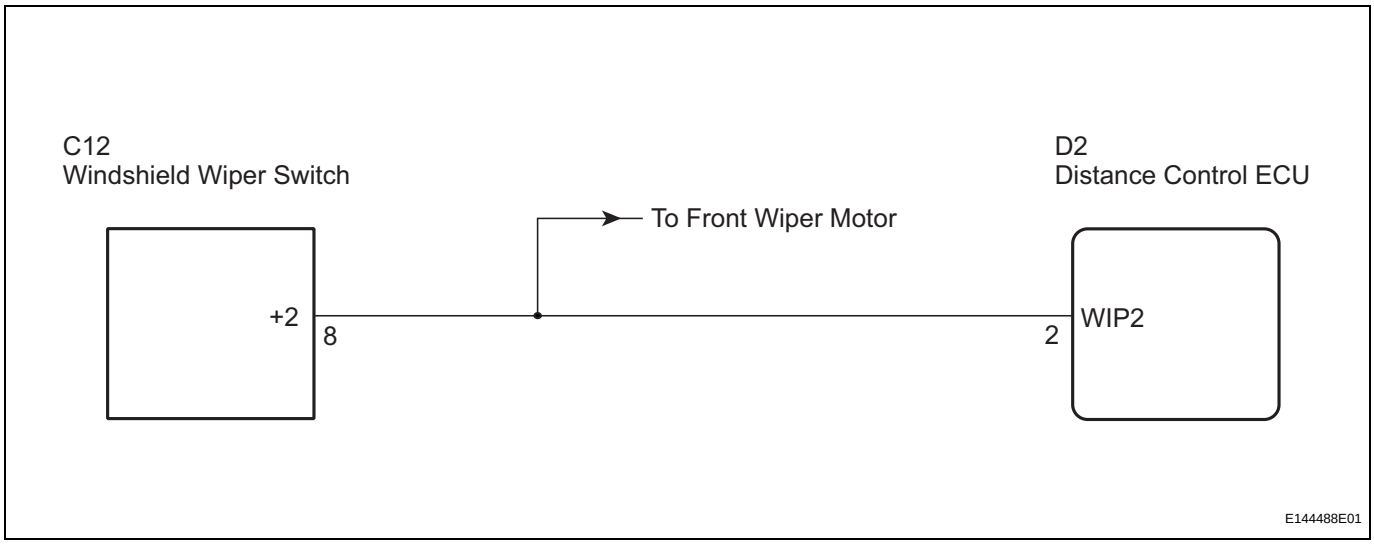
DESCRIPTION

The distance control ECU detects wiper operation. If the windshield wipers operate in the HI or LO mode, the cruise control is canceled and the warning sound "pong" is emitted once. In addition, the following warnings will continue until the cruise control main switch is turned off:

- The CRUISE main indicator light blinks.
- The master warning light illuminates.
- The warning code "E2" is displayed on the display in the combination meter.

After HI or LO wiper operation stops, pushing the cruise control main switch to + (ACCEL)/RES (RESUME) will resume the vehicle speed set prior to cancellation.
Cruise control is available when the windshield wipers operate in the intermittent mode.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT WIPER SYSTEM

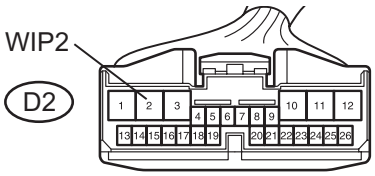
Check that the windshield wipers operate in HI mode.
OK:
Wiper function is normal.

NG → **GO TO WIPER AND WASHER SYSTEM (Front wipers do not operate in LO or HI.) (See page WW-1)**

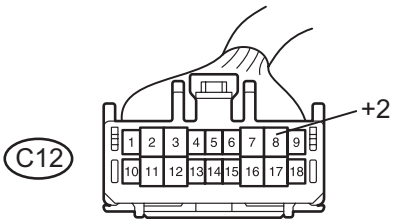
OK

2	CHECK HARNESS AND CONNECTOR (DISTANCE CONTROL ECU - WINDSHIELD WIPER SWITCH)

Distance Control ECU Wire Harness Side Connector Front View:



Windshield Wiper Switch Wire Harness Side Connector Front View:



N E141659E01

(a) Disconnect the D2 distance control ECU connector and C12 windshield wiper switch connector.

(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
D2-2 (WIP2) - C12-8 (+2)	Always	Below 1 Ω
C12-8 (+2) - Body ground	Always	10 kΩ or higher

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (See page CC-52)

CC