

DTC	12	Actuator Magnetic Clutch Circuit
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CIRCUIT DESCRIPTION

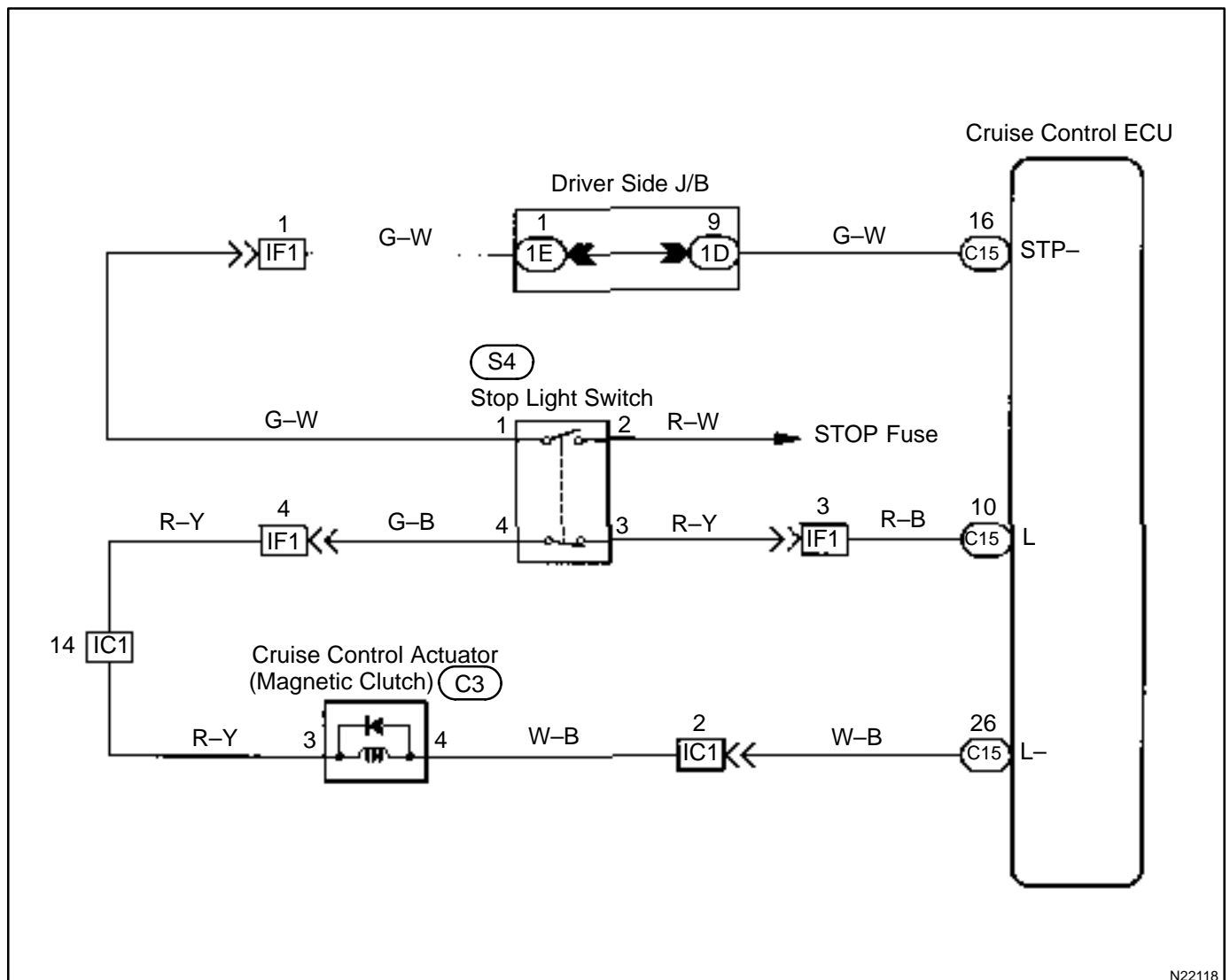
This circuit turns on the magnetic clutch inside the actuator during cruise control operation according to the signal from the ECU. If a malfunction occurs in the actuator or speed sensor, etc. during cruise control, the rotor shaft between the motor and control plate is released.

When the brake pedal is depressed, the stop light switch turns on, supplying electrical power to the stop light. Power supply to the magnetic clutch is mechanically cut and the magnetic clutch is turned OFF.

When driving downhill, if the vehicle speed exceeds the set speed by 15 km/h (9 mph), the ECU turns the magnetic clutch OFF. If the vehicle speed later drops to within 10 km/h (6 mph) above the set speed, then cruise control at the set speed is resumed.

DTC No.	Detection Item	Trouble Area
12	Short in magnetic clutch circuit. • Open (0.8 sec.) in magnetic clutch circuit.	<ul style="list-style-type: none"> • Cruise control actuator magnetic clutch • Harness or connector between ECU and magnetic clutch, magnetic clutch and body ground • Cruise control ECU

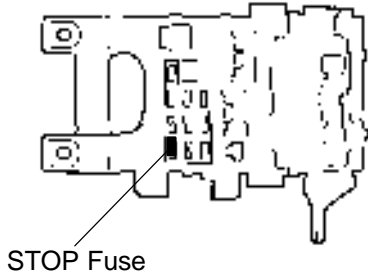
WIRING DIAGRAM



N22118

INSPECTION PROCEDURE**1 Check STOP fuse.**

Instrument Panel Junction Block

**PREPARATION:**

- (a) Remove the fuse box opening cover.
- (b) Remove STOP fuse from instrument panel junction block.

OK:**Check continuity of STOP fuse.****OK:****Continuity.****NG****Replace STOP fuse.****OK****2 Check harness and connector between actuator and cruise control actuator
(See page [IN-27](#)).****NG****Repair or replace harness or connector.****OK****Check and replace cruise control ECU
(See page [IN-27](#)).**