

AUTOMATICALLY

Refer to Heated Window for schematic and connector information.

Normal Operation and Fault Conditions

REFER to: Glass, Frames and Mechanisms - System Operation and Component Description .

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
B1C83:14	Rear Defog Relay: Circuit Short To Ground or Open	This DTC sets when the FCIM detects an open or short to ground on the rear window defrost relay control circuit.

Possible Causes

- Rear window defrost relay
- Wiring, terminals or connectors
- FCIM

DIAGNOSIS AND TESTING > GLASS, FRAMES AND MECHANISMS > PINPOINT TEST(S) > PINPOINT TEST B : THE DEFROST SYSTEM DOES NOT SHUT OFF AUTOMATICALLY > PINPOINT TEST B : THE DEFROST SYSTEM DOES NOT SHUT OFF AUTOMATICALLY

B1 CHECK THE REAR WINDOW DEFROST GRID VOLTAGE

Ignition OFF.

Disconnect: Rear Window Defrost Relay.

Disconnect: Heated Rear Window Element (RH) C3368B .

Start the engine.

Measure:

Positive Lead	Measurement / Action	Negative Lead
C3368B-1		Ground

Is any voltage present?

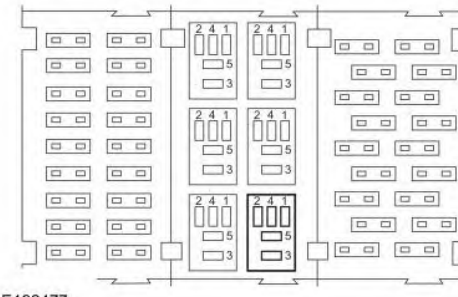
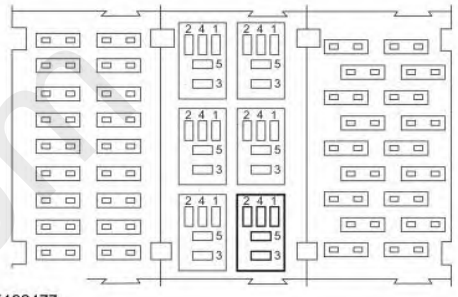
Yes	REPAIR the circuit.
No	GO to B2

B2 CHECK THE FCIM (FRONT CONTROLS INTERFACE MODULE) OUTPUT

 **NOTE:** The following step uses a test lamp to simulate normal circuit loads. Use only a Rotunda Test Lamp (SGT27000) or 250- 300mA incandescent bulb test lamp. To avoid connector terminal damage, use the Rotunda Flex Probe kit for the test lamp probe connection to the vehicle. Do not use the test lamp probe directly on any connector.

Ignition OFF.

Connect:

Positive Lead	Measurement / Action	Negative Lead
 E192477 Rear Window Defrost Relay, socket pin 1		 E192477 Rear Window Defrost Relay, socket pin 2

Start the engine.

Does the test light illuminate?

Yes	GO to B3
No	INSTALL a new rear window defrost relay.

B3 CHECK THE REAR WINDOW DEFROST RELAY CONTROL CIRCUIT FOR A SHORT TO GROUND

Ignition OFF.

Disconnect: FCIM C2402A .

Measure:

Positive Lead	Measurement / Action	Negative Lead
Rear Window Defrost Relay, socket pin 2	Ω	Ground

Is the resistance greater than 10, 000 ohms?