

HEADLIGHT DOORS - AUTOMATIC

1988 Toyota Celica

1988 ACCESSORIES/SAFETY EQUIPMENT
Toyota Headlight Doors - Automatic

Celica

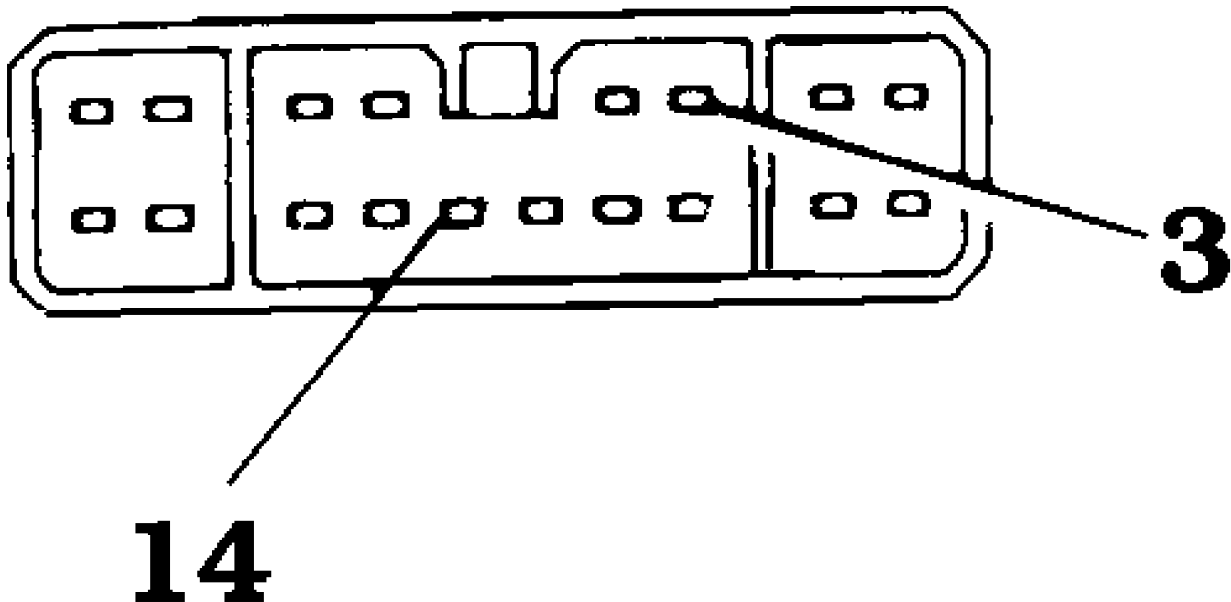
DESCRIPTION

The headlight door assemblies are electrically operated, and are opened or closed by headlight switch. System components consist of headlight retainer, light retractor control relay and light retractor motor. Headlight door motors are located in each headlight assembly.

TROUBLE SHOOTING

LIGHT RETRACTOR CONTROL RELAY

- 1) Inspect relay operation. With light control switch off, connector connected, and terminal 14 grounded, raise headlights with lights lit. See Fig. 1.
- 2) Quickly ground terminal 3. The light will go out, but headlight will remain up. When terminal 3 is taken off ground, the headlights will flip down. See Fig. 1..
- 3) If operation is not as described, replace relay.



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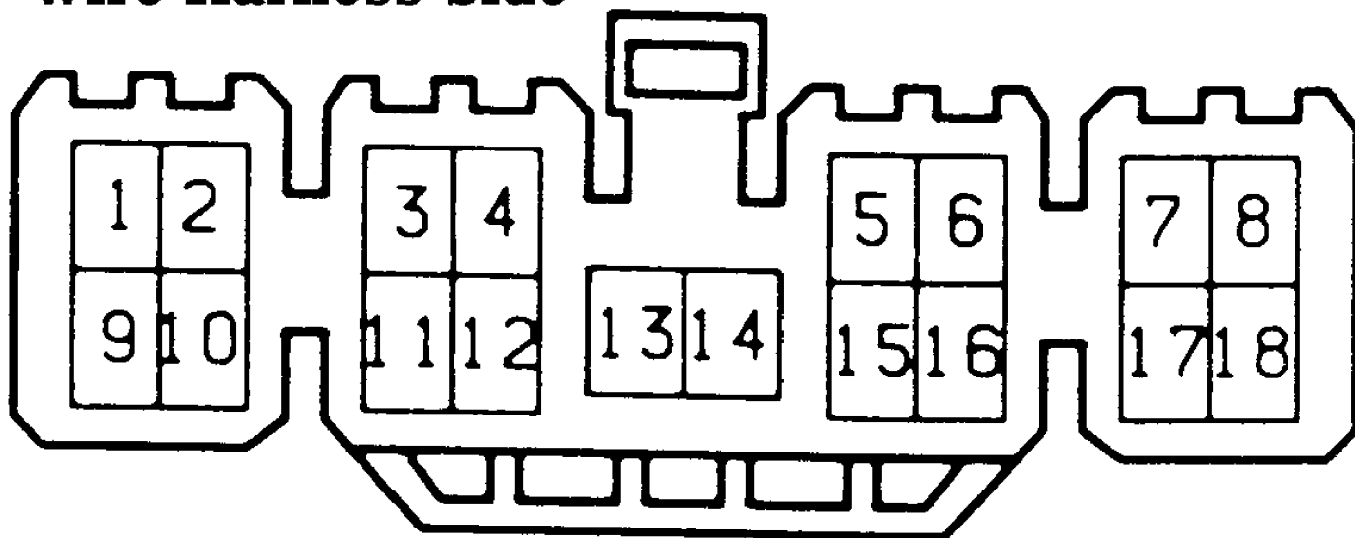
Fig. 1: Light Retractor Control Relay (Connector Connected)

LIGHT RETRACTOR RELAY CIRCUIT

Disconnect relay connector and inspect connector on wire

harness side. See Fig. 2.

Wire Harness Side



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Fig. 2: Light Retractor Control Relay Terminals (Wire Harness Side)

NOTE: This circuit includes diode, if circuit shows no continuity change the positive and negative probes and recheck circuit.

RELAY CIRCUIT TEST TABLE

Check Item	Test Connection	Condition	Voltage or Resistance
Voltage	8 - GROUND	————	Battery Voltage
Continuity	18 - GROUND	————	Continuity
Voltage	4 - GROUND	Ignition switch OFF or ACC	No Voltage
		Ignition switch ON	Battery Voltage
Voltage	2 - GROUND	————	Battery Voltage
Voltage	10 - GROUND	————	Battery Voltage
Voltage	15 - GROUND	Does courtesy switch OFF (Door close)	Battery Voltage
		Does courtesy switch ON (Door open)	No Voltage
Continuity	3 - GROUND	Light switch OFF or HEAD	No Continuity
		Light switch HOLD or TAIL	Continuity

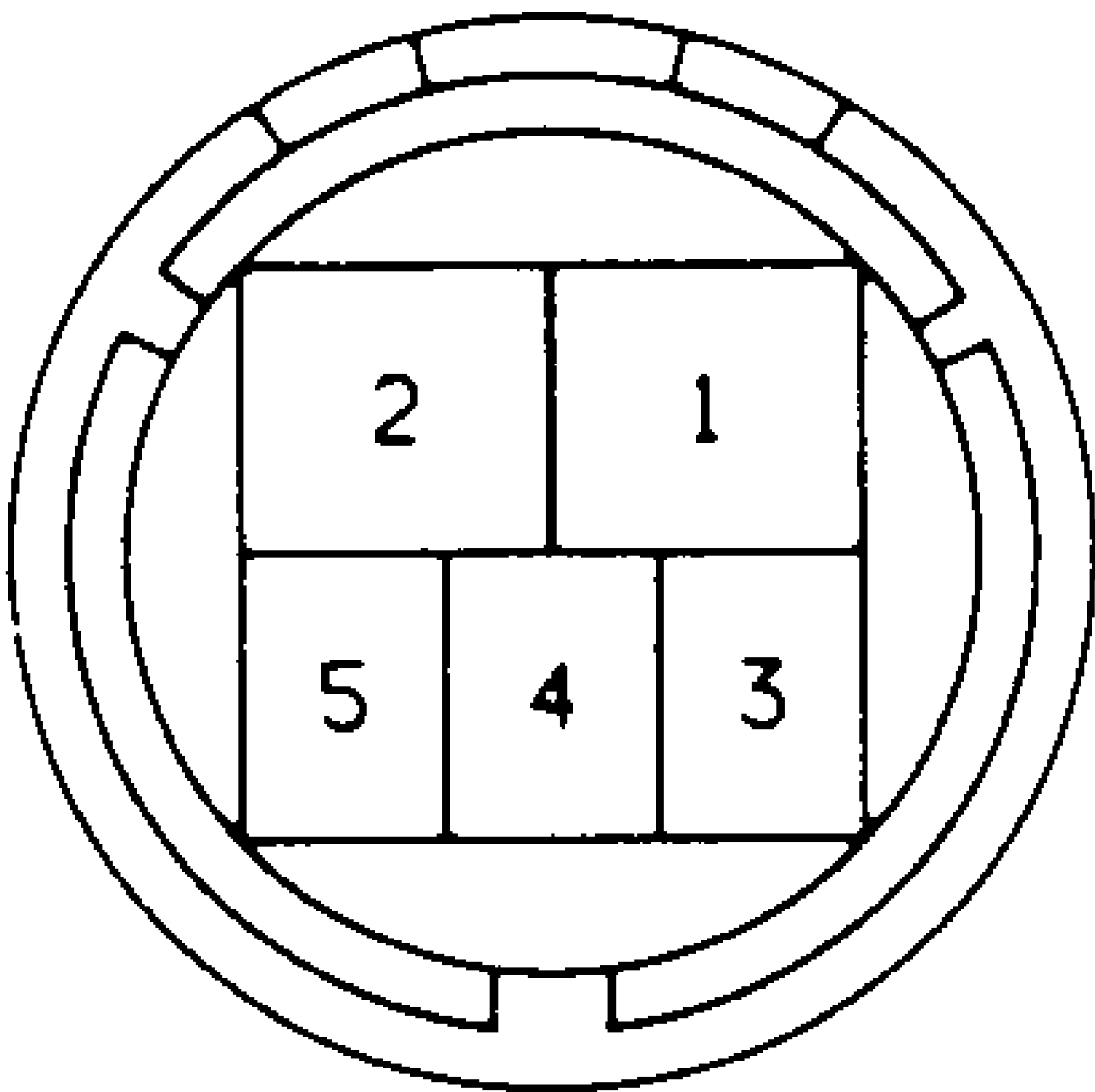
Continuity	13 - GROUND	Light switch OFF or HOLD	No Continuity
		Light switch TAIL or HEAD	Continuity
Continuity	14 - GROUND	Light switch OFF, HOLD or HEAD & dimmer switch Low or High beam.	No Continuity
		Light switch HEAD or Dimmer switch Flash	Continuity
Continuity	6 - GROUND	————	Continuity
Continuity	16 - GROUND	————	Continuity
Continuity	5 - 1	Headlight lowermost position	No Continuity
		Headlight except lowermost position	Continuity
Continuity	7 - 1	Headlight lowermost position	No Continuity
		Headlight except lowermost position	Continuity
Continuity	5 - 9	Headlight uppermost position	No Continuity
		Headlight except uppermost position	Continuity
Continuity	7 - 9	Headlight uppermost position	No Continuity
		Headlight except uppermost position	Continuity
(1) - If circuit is as specified, replace relay.			

LIGHT RETRACTOR MOTOR

1) Inspect motor operation. Connect positive lead from battery to terminal 2 and connect negative lead to terminal 1. Check that motor operates. If it doesn't, replace motor.

2) Inspect diode continuity. Move headlights to any position except uppermost or lowermost positions. Connect ohmmeter positive lead to terminal 4 and negative lead to terminal 5. Check that there is no continuity. Connect ohmmeter positive lead to terminal 4 and negative lead to terminal 3. Check that there is no continuity. If there is continuity, replace motor assembly.

3) Reverse test leads of ohmmeter and inspect continuity. If there is no continuity, replace motor assembly.



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Fig. 3: Light Retractor Motor Terminals