# 1989 TOYOTA MR2 Electrical Components

## BUZZERS, RELAYS & TIMERS

<table>
<thead>
<tr>
<th>Component</th>
<th>Component Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>A/C Fan Relays</td>
<td>In fuse/relay block No. 4.</td>
</tr>
<tr>
<td>A/C Idle-Up Cut Relay</td>
<td>Behind glove box.</td>
</tr>
<tr>
<td>Door Lock Control Relay</td>
<td>In right side door.</td>
</tr>
<tr>
<td>EFI Circuit Opening Relay</td>
<td>In front right corner of rear luggage compartment.</td>
</tr>
<tr>
<td>EFI Main Relay</td>
<td></td>
</tr>
</tbody>
</table>
In fuse/relay block No. 2.
Engine Main Relay

Headlight Control Relay

Headlight Retainer Relay

Engine Main Relay

In fuse/relay block No. 2.

Headlight Control Relay

In fuse/relay block No. 4.

Headlight Retainer Relay
Headlight Retractor Control Relay

In rear left corner of front luggage compartment.

Headlight Retractor Control Relay

In rear left corner of front luggage compartment.
Heater Relay

In fuse/relay block No. 3.

In rear right corner of front luggage compartment.

In rear right corner of front luggage compartment.
Injector Relay

In fuse/relay block No. 2.

(Graphic 1)

(Fuse & Relay Panel No. 2)

In fuse/relay block No. 2.

(Graphic 2)

ELECTRICAL COMPONENT LOCATOR
Power Window Relay
In driver's door.

Radiator Fan Relay
In fuse/relay block No. 4.

Seat Belt Warning Relay
At front left corner of engine compartment.
Starter Relay
In fuse/relay block No. 2.

Supercharger Relay
On center of firewall.

Taillight Control Relay
In fuse/relay block No. 1.
Turn Signal/Hazard Flasher: Under left side of dash, behind light switch.

Vent Fan Relay: On fuse/relay block No. 2.
# CIRCUIT PROTECTION DEVICES

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<tr>
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<tr>
<td>Door Lock Circuit Breaker</td>
<td>On fuse/relay block No. 1.</td>
</tr>
<tr>
<td>Headlight Retainer Relay</td>
<td></td>
</tr>
<tr>
<td>Turn Signal/ Hazard Flasher</td>
<td></td>
</tr>
<tr>
<td>Brake Fluid Level Warning Switch</td>
<td></td>
</tr>
<tr>
<td>Door Lock Circuit Breaker</td>
<td></td>
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<tr>
<td>Tail Light Relay</td>
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*Fuse/Relay Block No. 1 On left kick panel.*
In front left corner of engine compartment.

In front left corner of engine compartment.

ELECTRICAL COMPONENT LOCATOR
(Graphic 3) In front left corner of engine compartment.

Fuse/Relay Block No. 3 Behind right kick panel.
Fuse/Relay Block No. 4
Headlight Fusible Link (60 Amp)  
In engine compartment, near fuse/relay block No. 2.
Cooling Fan Computer

On front right corner of rear luggage compartment, behind ECU.

Cruise Control Computer

In rear luggage compartment, behind ECT computer.

Electronic Controlled Transaxle (ECT) Computer
Electronic Control Unit (ECU)

On left front corner of rear luggage compartment.
1989 Toyota MR2

In front of rear luggage compartment.

MOTORS

Component Location

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ELECTRICAL COMPONENT LOCATOR

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Condenser Fan Motor  
On front left side of vehicle.

Cruise Control Vacuum Pump  
At front of engine, to right of cruise control actuator.

Engine Compartment Cooling Fan  
In engine compartment, between engine and firewall.

Radiator Fan Motor  
On front right side of vehicle.

SENDING UNITS & SENSORS

A/C Thermistor  
Behind glove box, inside A/C cooling unit.

Airflow Meter  
In rear left corner of engine compartment.

Coolant Temperature Sending Unit  
Mounted horizontally in upper front section of engine.

Coolant Temperature Sensor  
On rear of engine.

(Graphic 1)
On rear of engine.

Engine Compartment

Cooling Fan Sensor

On bracket at right corner of cylinder head.

Exhaust Gas Temp. Sensor (Calif.)

Below EGR valve.

Oil Pressure Sending Unit

Mounted on upper front left corner of engine.

Oxygen Sensor

On rear right side of engine compartment, in exhaust manifold.
**Speed Sensor No. 1**

On back of speedometer.

**Speed Sensor No. 2 (ECT Only)**

On right side of transaxle housing.

**Throttle Position Sensor**
SOLENOIDS & SOLENOID VALVES

Component

Component Location
A/C Idle-Up Solenoid
In engine compartment, behind fuse/relay block No. 2.

A/T Shift Lock Solenoids (2)
On transmission.

Door Lock Solenoid
Behind each door lock panel.

EFI Cold Start Injector
On intake manifold.

EGR Vacuum Solenoid
On right front corner of engine.

Fuel Pressure Up (FPU) Solenoid
On front right corner of engine.

Idle Speed Control (ISC) Valve
On throttle body.
SWITCHES

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<tr>
<td>A/C High Pressure Switch</td>
<td>In center of front luggage compartment, near receiver-drier.</td>
</tr>
<tr>
<td>Back-Up Light Switch</td>
<td>On top of transaxle.</td>
</tr>
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</table>

Brake Fluid Level Warning Switch

- On bottom of brake fluid reservoir cap.

Brake/Stoplight Switch

- On brake pedal bracket.

Clutch Starter Switch

- On clutch pedal bracket.
Cold Start Injector Time Switch
On rear of engine.

Cooling Fan Temperature Switch
In left lower corner of radiator.

Neutral Start Switch
On top of transaxle.

ELECTRICAL COMPONENT LOCATOR
1989 Toyota MR2
For Ace Mechanics 123 Main Street San Diego Ca 92126
# Electrical Component Locator

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<tr>
<td>A/C Amplifier</td>
<td>On cooling unit.</td>
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<tr>
<td>A/C Control Resistor</td>
<td>Behind center of dash, below digital clock.</td>
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## Diagrams

1. **Diagnostic Connector**
   - In left front corner of engine compartment.

2. **EFI Injector Resistor**
   - On front firewall of engine compartment.

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For Ace Mechanics
123 Main Street
San Diego, CA 92126