

# 1997 Mazda MX-5 Miata

1997 MAZDA MX-5 Miata

## 1997 MAZDA

### MX-5 Miata

## BUZZERS, RELAYS & TIMERS

### BUZZERS, RELAYS & TIMERS

Component	Component Location
A/C Relay	In right front of engine compartment, near radiator. See <b>Fig. 1</b> .
Condenser Fan Relay	In right front of engine compartment, near radiator. See <b>Fig. 1</b> .
Cooling Fan Relay	In main fuse/relay block.
Flasher Unit	Behind left side of dash. See <b>Fig. 2</b> .
Fuel Pump Relay	Under left side of dash. See <b>Fig. 2</b> .
Headlamp Relay	On left rear corner of front inner fender panel. See <b>Fig. 1</b> .
Horn Relay	On left rear corner of front inner fender panel. See <b>Fig. 1</b> .
INT Relay	Integral with windshield wiper & washer switch.
Main Relay	In left rear corner of engine compartment, in main fuse/relay block.
Power Antenna Relay	In right rear of vehicle, attached to power antenna.
Rear Window Defogger Relay	In center rear of trunk compartment. See <b>Fig. 3</b> .
Retractable Headlamp Relay	Behind left side of dash.
TNS Relay	In left rear corner of engine compartment, on inner fender panel. See <b>Fig. 1</b> .
Warning Unit	Behind left side of dash. See <b>Fig. 2</b> .

## CIRCUIT PROTECTION DEVICES

### CIRCUIT PROTECTION DEVICES

Component	Component Location
Fuse Block (Front)	Behind left side of dash. See <b>Fig. 2</b> .
Fuse Block (Rear)	On right rear side of luggage compartment. See <b>Fig. 3</b> .
Main Fuse Block	On right rear corner of engine compartment, near firewall. See <b>Fig. 1</b> .

## CONTROL UNITS

### CONTROL UNITS

Component	Component Location
ABS Control Module	Behind passenger's seat. See <b>Fig. 3</b> .
ABS Control Unit	In right rear corner of engine compartment.
Cruise Control Module	Under left side of dash above fuse block. See <b>Fig. 2</b> .
Daytime Running Lamp (DRL) Control Module	On bracket, behind left side of dash. See <b>Fig. 2</b> .
Engine Control Module (ECM)	Behind passenger's seat. See <b>Fig. 3</b> .

## 1997 Mazda MX-5 Miata

1997 MAZDA MX-5 Miata

Key Interlock Unit	Behind left side of dash. See <b>Fig. 2</b> .
SAS Unit	Behind center of dash. See <b>Fig. 2</b> .
Transmission Control Module (TCM)	Under left side of dash, near fuse block. See <b>Fig. 2</b> .

## MOTORS

### MOTORS

Component	Component Location
Blower Motor	Under right side of dash. See <b>Fig. 2</b> .
Condenser Fan Motor	In front of engine compartment.
Cooling Fan Motor	In front of engine compartment.
Cruise Control Actuator	On left side of engine compartment.
Fuel Pump	In fuel tank.
Power Antenna Motor	In right front of trunk.
Retractable Headlamp Actuators	Behind respective headlamp.
Shift Lock Actuator	Under center console, on base of gear selector.
Windshield Washer Motor	On bottom of washer fluid reservoir.
Windshield Wiper Motor	On right side of firewall.

## SENDING UNITS & SENSORS

### SENDING UNITS & SENSORS

Component	Component Location
ABS Wheel Speed Sensor (Left Front)	On back of left front wheel spindle assembly. See <b>Fig. 1</b> .
ABS Wheel Speed Sensor (Left Rear)	On back of left rear wheel hub assembly. See <b>Fig. 3</b> .
ABS Wheel Speed Sensor (Right Front)	On back of right front wheel spindle assembly. See <b>Fig. 1</b> .
ABS Wheel Speed Sensor (Right Rear)	On back of right rear wheel hub assembly. See <b>Fig. 3</b> .
Brake Fluid Level Sensor	In brake fluid reservoir. See <b>Fig. 1</b> .
Camshaft Position Sensor	In center rear of engine compartment. See <b>Fig. 1</b> .
Crankshaft Position Sensor	On front of engine.
EGR Boost Sensor	On right side of engine compartment.
EGR Valve Position Sensor	On right side center, rear of engine compartment.
EGR Valve Position Sensor	On right side center, rear of engine compartment. See <b>Fig. 1</b> .
Engine Coolant Temperature Sensor	On rear of engine. See <b>Fig. 1</b> .
Fuel Gauge Sender Unit	In fuel tank.
Heated Oxygen Sensor (Front)	In rear of engine compartment. See <b>Fig. 1</b> .
Heated Oxygen Sensor (Rear)	On underside of vehicle, on exhaust pipe.
Input/Turbine Speed Sensor	On left side of transmission.
Mass Air Flow Sensor	On top of air filter housing. See <b>Fig. 1</b> .
Throttle Position (TP) Sensor	On side of throttle body. See <b>Fig. 1</b> .
Transmission Fluid Temperature Sensor	On left side of transmission.

## 1997 Mazda MX-5 Miata

1997 MAZDA MX-5 Miata

Vehicle Speed Sensor (VSS)	On speedometer assembly.
Water Temperature Sender Unit	On center of engine. See <b>Fig. 1</b> .
Washer Fluid Level Sensor	On washer fluid reservoir. See <b>Fig. 1</b> .

## SOLENOIDS & SOLENOID VALVES

### SOLENOIDS & SOLENOID VALVES

Component	Component Location
AT Interlock Solenoid	In steering column, near ignition switch. See <b>Fig. 2</b> .
EC-AT Solenoid Valve	On left side of transmission.
EGR Solenoid Valve (Vacuum)	On right side of engine compartment. See <b>Fig. 1</b> .
EGR Solenoid Valve (Vent)	On right side of engine compartment. See <b>Fig. 1</b> .
Fourth Gear Solenoid Valve	On left side of transmission.
Idle Air Control Valve	On right side, front of engine compartment. See <b>Fig. 1</b> .
PRC Solenoid Valve	On right side, front of engine. See <b>Fig. 1</b> .
Purge Solenoid Valve	On right strut tower. See <b>Fig. 1</b> .

## SWITCHES

### SWITCHES

Component	Component Location
Back-Up Lamp Switch (M/T)	On right side of transmission. See <b>Fig. 1</b> .
Brake Switch	On bracket, above brake pedal. See <b>Fig. 2</b> .
Buckle Switch	On driver side seat belt buckle. See <b>Fig. 3</b> .
Clutch Switch (M/T)	On bracket, above clutch pedal. See <b>Fig. 2</b> .
Hold Switch	Under right side of center console.
Key Reminder Switch	In steering column, near ignition switch.
Neutral Switch (M/T)	On right side of transmission. See <b>Fig. 1</b> .
Oil Pressure Switch	On right side of engine. See <b>Fig. 1</b> .
"P" Range Switch	Under center console, on base of gear selector.
Parking Brake Switch	On base of parking brake lever. See <b>Fig. 4</b> .
Power Steering Pressure Switch	On power steering pump assembly.
Refrigerant Pressure Switch	In front of engine compartment, near radiator support. See <b>Fig. 1</b> .
Starter Interlock Switch (M/T)	On bracket, above clutch pedal. See <b>Fig. 2</b> .
Thermoswitch	Under right side of dash.
Transmission Range Switch	On left side of transmission.

## MISCELLANEOUS

### MISCELLANEOUS

Component	Component Location
-----------	--------------------

## 1997 Mazda MX-5 Miata

1997 MAZDA MX-5 Miata

Data Link Connector (DLC)	On left inner fender panel. See <b>Fig. 1</b> .
Data Link Connector (DLC) No. 2	Under left side, center of dash, near console. See <b>Fig. 4</b> .
Ignition Coil	On center rear of engine compartment.
Power Connector	On left inner fender panel.
Resistor (A/C-Heater)	Under right side of dash. See <b>Fig. 2</b> .

## CONNECTORS

### CONNECTORS

Component	Component Location
X-06 (White, 1 Pin)	At right rear of engine compartment.
X-07 (White, 1 Pin)	At right rear of engine compartment.
X-08 (White, 3 Pin)	At right rear of engine compartment.
X-09 (Green, 4 Pin)	At right rear of engine compartment.
X-10 (White, 6 Pin)	At right rear of engine compartment.
X-12 (A/T) (White, 4 Pin)	At right rear of engine compartment. See <b>Fig. 1</b> .
X-12 (M/T) (Black, 1 Pin)	At right rear of engine compartment. See <b>Fig. 1</b> .
X-13 (Black, 10 Pin)	At right rear of engine compartment. See <b>Fig. 1</b> .
X-14 (Black, 8 Pin)	At right rear of engine. See <b>Fig. 1</b> .
X-15 (Gray, 4 Pin)	At right rear of engine. See <b>Fig. 1</b> .
X-16 (White, 20 Pin)	At right kick panel. See <b>Fig. 2</b> .
X-17 (White, 20 Pin)	At right kick panel. See <b>Fig. 2</b> .
X-18 (White, 24 Pin)	At right kick panel. See <b>Fig. 2</b> .
X-19 (White, 20 Pin)	At right kick panel. See <b>Fig. 2</b> .
X-20 (White, 20 Pin)	At left side of dash. See <b>Fig. 4</b> .
X-21 (White, 24 Pin)	At left side of dash. See <b>Fig. 4</b> .
X-22 (White, 2 Pin)	At left side of dash. See <b>Fig. 4</b> .
X-23 (White, 16 Pin)	At right side of dash. See <b>Fig. 4</b> .
X-24 (White, 12 Pin)	At left kick panel. See <b>Fig. 2</b> .
X-25 (White, 12 Pin)	At left kick panel. See <b>Fig. 2</b> .
X-26 (White, 4 Pin)	At left kick panel. See <b>Fig. 2</b> .
X-27 (White, 3 Pin)	At left kick panel. See <b>Fig. 2</b> .
X-28 (White, 4 Pin)	At right kick panel. See <b>Fig. 2</b> .
X-29 (White, 3 Pin)	At right kick panel. See <b>Fig. 2</b> .
X-30 (White, 8 Pin)	Forward of right rear wheelwell. See <b>Fig. 3</b> .
X-31 (White, 2 Pin)	At right front corner of trunk.
X-36 (White, 2 Pin)	At left kick panel.

## GROUNDINGS

### GROUNDINGS

**1997 Mazda MX-5 Miata**

1997 MAZDA MX-5 Miata

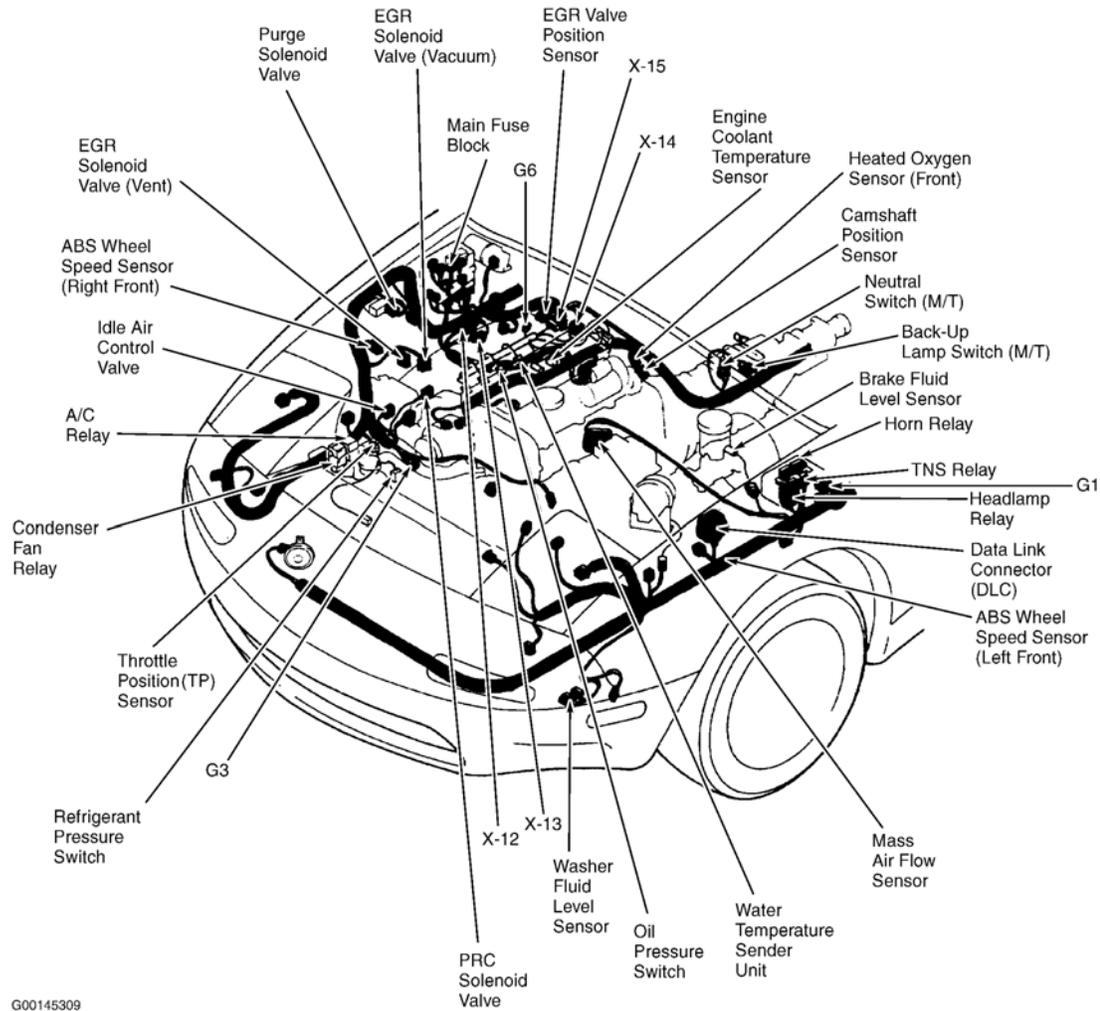
<b>Component</b>	<b>Component Location</b>
G1	At left rear corner of engine compartment. See <b>Fig. 1</b> .
G2	At left side of dash. See <b>Fig. 2</b> .
G3	At front of engine compartment. See <b>Fig. 1</b> .
G4	At right upper end of dash. See <b>Fig. 2</b> .
G5	At right upper end of dash. See <b>Fig. 2</b> .
G6	At right rear corner of engine compartment. See <b>Fig. 1</b> .
G7	At right end of dash. See <b>Fig. 4</b> .
G8	At left end of dash. See <b>Fig. 4</b> .
G9	At center rear of trunk. See <b>Fig. 3</b> .
G10	Above left rear wheelwell. See <b>Fig. 3</b> .
G11	Forward of right rear wheelwell. See <b>Fig. 3</b> .

**COMPONENT LOCATION GRAPHICS**

**NOTE:** Figures may show multiple component locations. Refer to appropriate table for proper figure references.

# 1997 Mazda MX-5 Miata

1997 MAZDA MX-5 Miata

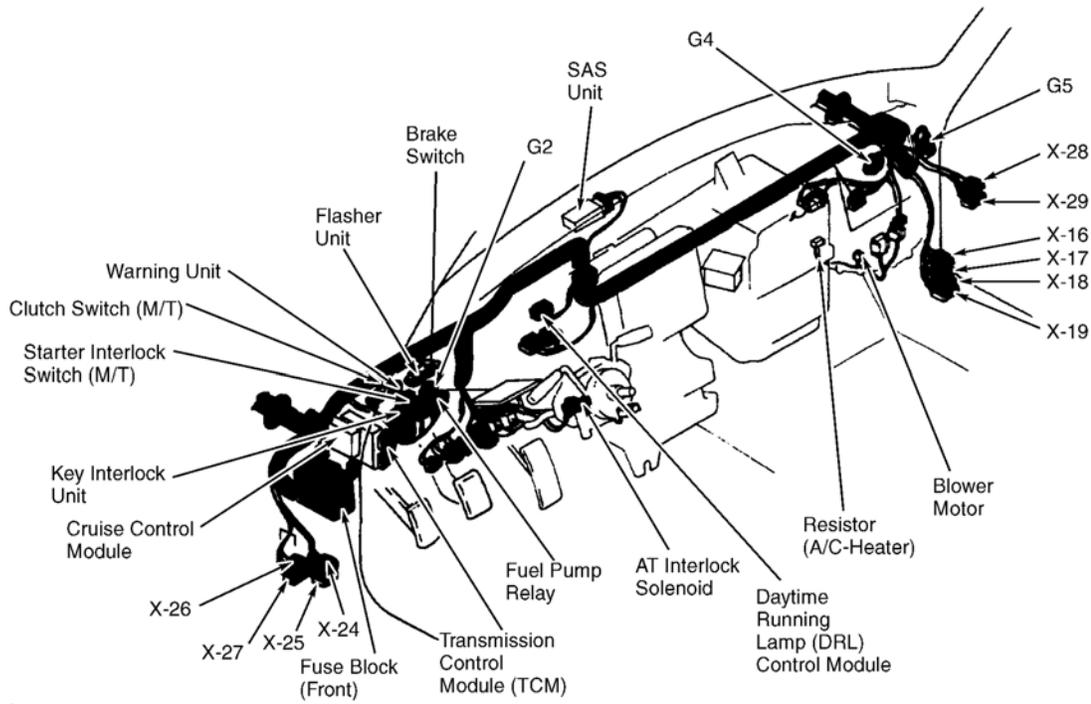


G00145309

**Fig. 1: Engine Compartment**

# 1997 Mazda MX-5 Miata

1997 MAZDA MX-5 Miata

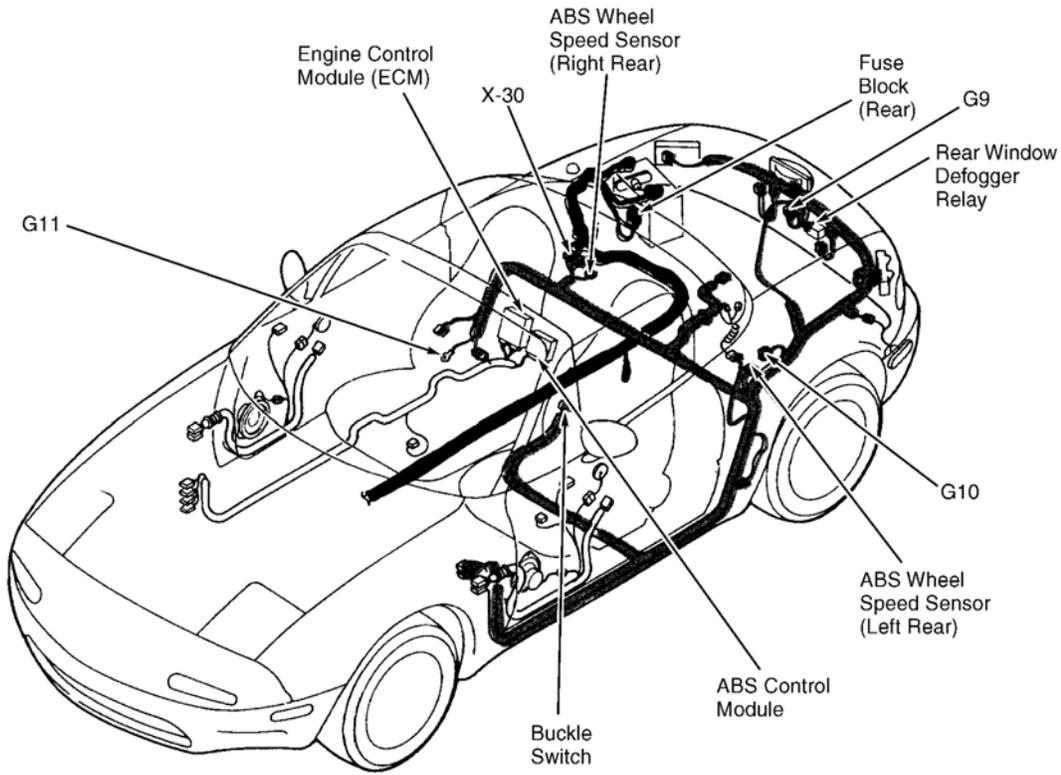


G00145310

**Fig. 2: Dash**

# 1997 Mazda MX-5 Miata

1997 MAZDA MX-5 Miata

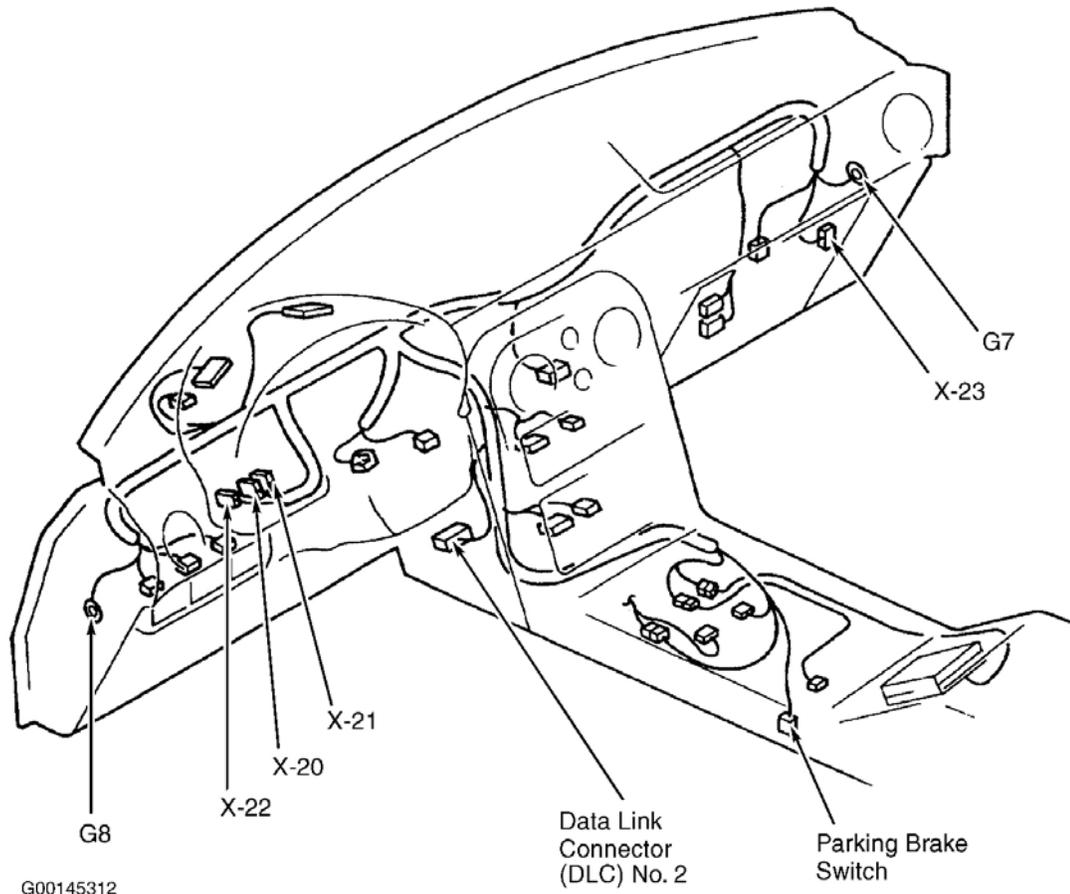


G00145311

**Fig. 3: Left Side Of Vehicle**

1997 Mazda MX-5 Miata

1997 MAZDA MX-5 Miata



**Fig. 4: Dash**