

1994 Mazda MX-5 Miata

ELECTRICAL COMPONENT LOCATOR 1994 ELECTRICAL COMPONENT LOCATION Mazda Electrical Components

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BUZZERS, RELAYS & TIMERS

BUZZERS, RELAYS & TIMERS LOCATION

Component	Location
ABS Components	
Motor Relay	On top of ABS pump, on right rear corner of engine compartment.
Valve Relay	On top of ABS pump, on right rear corner of engine compartment.
A/C Relay	On center front of engine compartment, near radiator. See Fig. 1 .
Blower Motor Relay	On left rear of front inner fender panel bracket.
Buzzer & Timer Unit	On bracket, behind left side of dash. See Fig. 2 .
Circuit Opening Relay	On bracket, behind left side of dash.
Condenser Fan Relay	In engine compartment near charcoal canister. See Fig. 1 .
Cooling Fan Relay (View)	In engine compartment fuse/relay block. See Fig. 2 .
Cooling Fan Relay (Location)	In engine compartment fuse/relay block. See Fig. 3 .
Dashboard Illumination Light Relay	On left rear of front inner fender panel bracket.
EFI Main Relay (View)	In engine compartment fuse/relay block. See Fig. 2 .
EFI Main Relay (Location)	In engine compartment fuse/relay block. See Fig. 3 .
Fuel Pump Relay	Under left side of dash. See Fig. 1 .
Headlight Relay	On left rear corner of front inner fender panel bracket. See Fig. 2 .
Headlight Retractor Relay	On left rear of front inner fender panel bracket. See Fig. 2 .
Horn Relay	On bracket, behind left side of dash. See Fig. 2 .
Rear Defogger Relay	In luggage compartment, near left taillight. See Fig. 2 .
Rear Defogger Timer	On right side engine firewall. See Fig. 2 .
Rear Lights Relays	On left rear corner of front inner fender

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	panel bracket. See Fig. 2 .
Turn Signal/Hazard Flasher Unit	On bracket, behind left side of dash. See Fig. 2 .

CIRCUIT PROTECTION DEVICES

CIRCUIT PROTECTION DEVICES LOCATION

Component	Location
Fuse Block No. 1	Behind left side of dash. See Fig. 2 .
Fuse Block No. 2	In right rear side of luggage compartment, behind trim panel. See Fig. 2 .
Fuse/Relay Block (Main)	On right rear corner of engine compartment, near firewall.
Heater Blower Motor Circuit Breaker	In passenger compartment fuse block.

CONTROL UNITS

CONTROL UNITS LOCATION

Component	Location
ABS Control Unit	Under passenger-side footwell, near ECU.
A/T Control Unit	Behind left kick panel. See Fig. 1 & Fig. 4 .
Cruise Control ECM	Behind left side of dash, above fuse block. See Fig. 3 .
Daytime Running Light (DRL) Control Unit	On bracket, behind left side of dash.
Driver SRS Module	Center of steering wheel. See Fig. 5 .
Engine Control Unit (ECU)	Under passenger-side footwell. See Fig. 4 .
Supplemental Safety Restraint (SRS) Driver Module	Behind left side of dash. See Fig. 5 .
Supplemental Safety Restraint (SRS) Passenger Module	Upper right side of dash. See Fig. 5 .

SENDING UNITS & SENSORS

SENDING UNITS & SENSORS LOCATION

Component	Location
ABS Wheel Sensors	On each front & rear wheel hub assembly.
Atmospheric Pressure Sensor	Integral with ECU.
ATF Thermosensor	On left side of transmission. See Fig. 6 .
Brake Fluid Level Sensor	In bottom of brake fluid reservoir.
Coolant Temperature Sensor	On left rear of engine, on water outlet. See Fig. 1 .

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Crank Shaft Position Sensor	On right rear side of cylinder head. See Fig. 1 .
Fuel Gauge Sending Unit	In fuel tank.
Intake Air Thermosensor	Integral of airflow meter.
Key Interlock Solenoid	On right side of steering column.
Mass Airflow Sensor	On top of air filter housing. See Fig. 1 .
Oil Pressure Sensor	On left side of engine, near oil filter.
Oxygen Sensor (Heated)	In engine compartment near DLC. See Fig. 1 .
SRS Crash/Impact Sensors (Air Bag)	
Center	Behind center of dash. See Fig. 5 .
Front	On center, left and right front of vehicle. See Fig. 5 .
Throttle Position (TP) Sensor	On side of throttle body. See Fig. 1 .
Vehicle Speed Sensor (VSS)	On speedometer assembly. See Fig. 6 .
Washer Fluid Level Sensor	On bottom of washer fluid reservoir.

MOTORS

MOTORS LOCATION

Component	Location
A/C-Heater Blower Motor	Under right side of dash.
Cruise Control Actuator	Right side of engine, near air filter. See Fig. 3 .
Fuel Pump	In fuel tank.
Shift Lock Actuator	Under center console, on base of gear selector. See Fig. 4 .
Windshield Washer Motor	On bottom of washer fluid reservoir.
Windshield Wiper Motor	On right side of firewall.

SOLENOIDS & SOLENOID VALVES

SOLENOIDS & SOLENOID VALVES LOCATION

Component	Location
Idle Speed Control (ISC) Valve	On throttle body.
Lock-Up Solenoid	On bottom of transmission. See Fig. 6 .
Purge Solenoid Valve	On right strut tower. See Fig. 1 .

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Shift Control Solenoid Valves

On left side of transmission. See **Fig. 6** .

SWITCHES

SWITCHES LOCATION

Component	Location
A/C Refrigerant Pressure Switch	On A/C high pressure refrigerant line.
A/C Thermostat	On front of evaporator case.
Back-Up Light Switch (M/T)	On left rear side of transmission.
Clutch Switch	On bracket, above clutch pedal. See Fig. 1 & Fig. 3 .
Cooling Fan Thermostat	On thermostat housing.
Cruise Control Main Switch	On steering column (Left). See Fig. 3 .
Fuel Pump Switch	Integral of airflow sensor.
Inhibitor Switch	On left side of transmission. See Fig. 6 .
Multi-Function Switch	On steering column (Right). See Fig. 3 .
Neutral Switch (M/T)	On right rear side of transmission. See Fig. 1 & Fig. 3 .
Oil Pressure Switch	On left side of transmission.
Parking Brake Switch	On base of parking brake lever.
Power Steering Pressure Switch	On power steering pump assembly. See Fig. 1 .
"P" Range Switch	Under center console, on base of gear selector. See Fig. 4 .
Seat Belt Buckle Switch	On driver-side seat belt buckle.
Starter Interlock Switch (M/T)	On bracket, above clutch pedal.
Stoplight Switch	On bracket, above brake pedal. See Fig. 1 , Fig. 3 & Fig. 4 .

MISCELLANEOUS

MISCELLANEOUS LOCATION

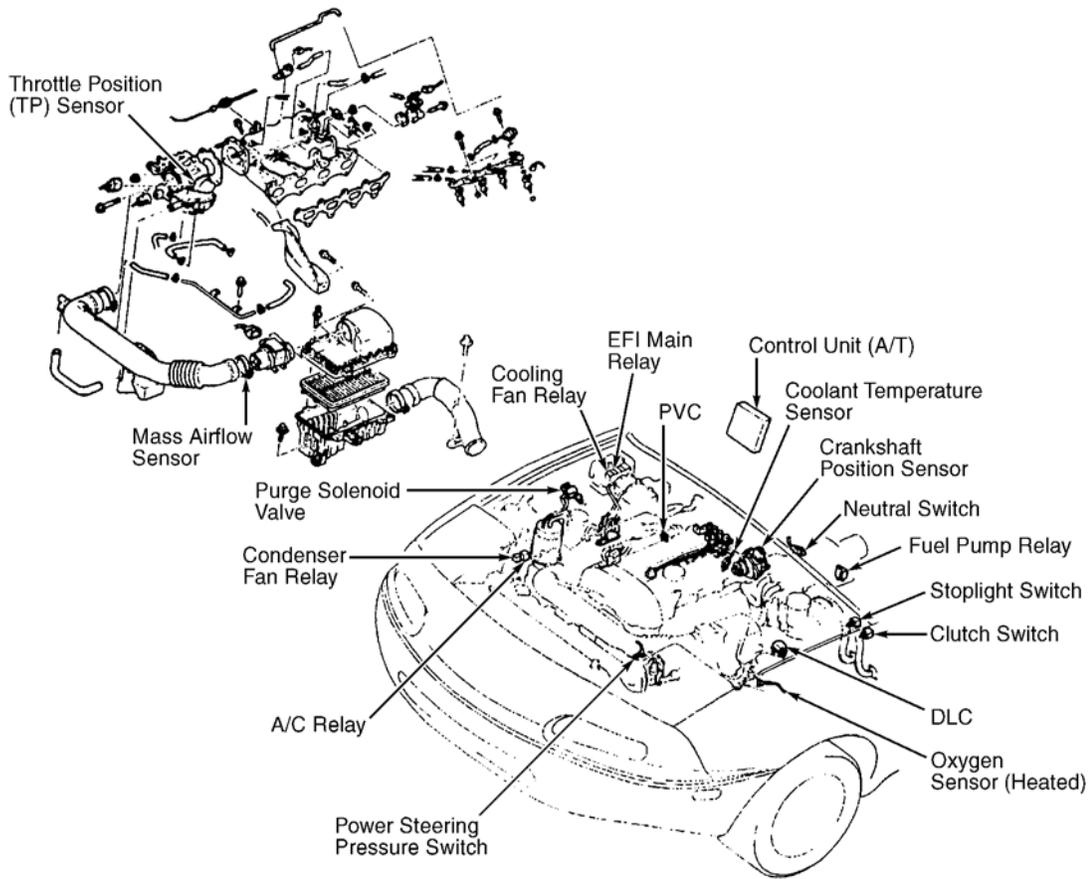
Component	Location
Actuator Cable	Attached to cruise control actuator. See Fig. 3 .
A/C-Heater Blower Motor Resistor	On side of A/C-heater blower motor housing.
Data Link Connector (DLC)	On left rear of engine compartment, near master cylinder. See Fig. 1 .
Clock Spring	Beneath steering wheel. See Fig. 5 .

COMPONENT LOCATION GRAPHICS

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

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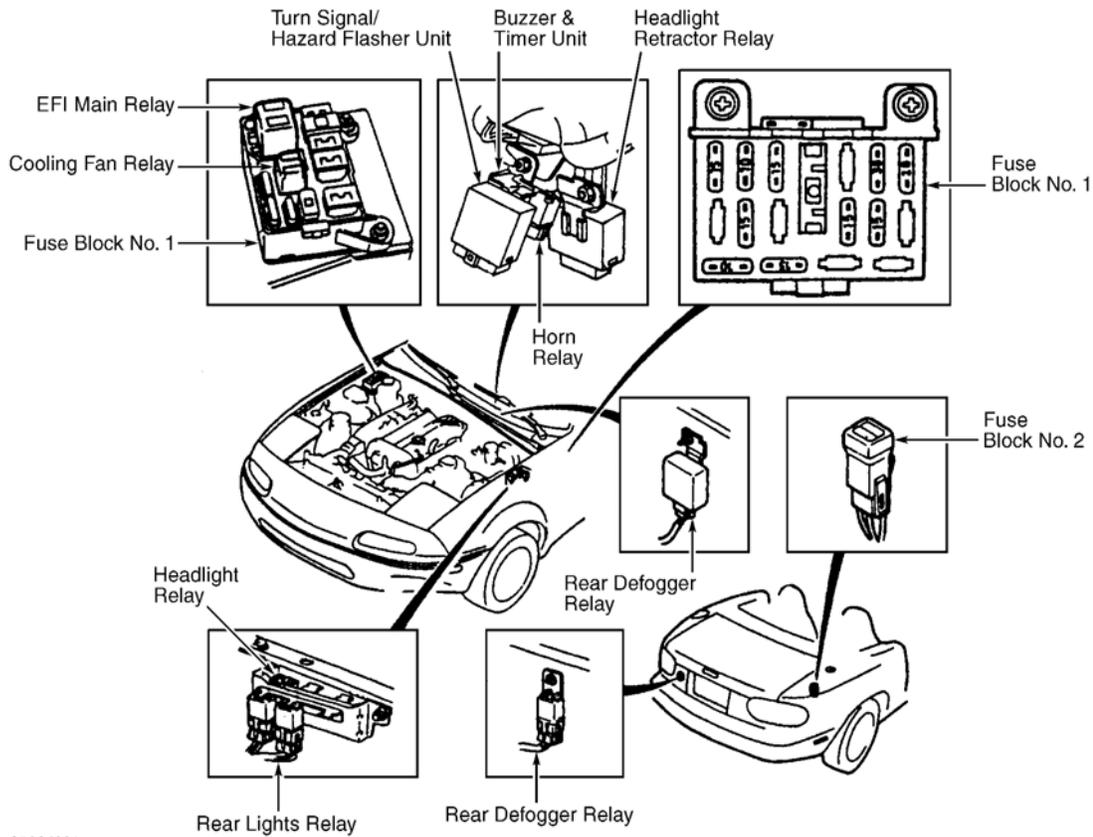


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Fig. 1: Component Locations (1 Of 6)

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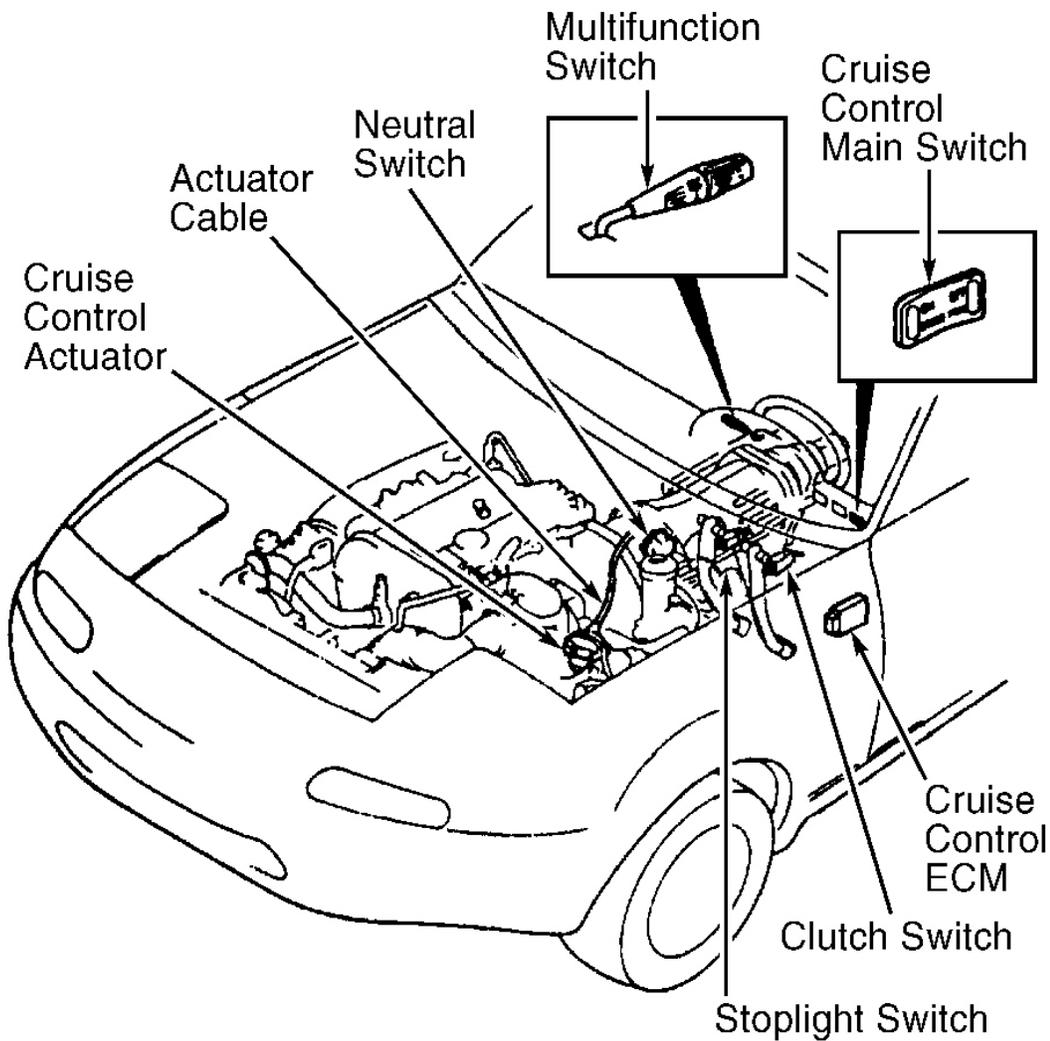


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Fig. 2: Component Locations (2 Of 6)

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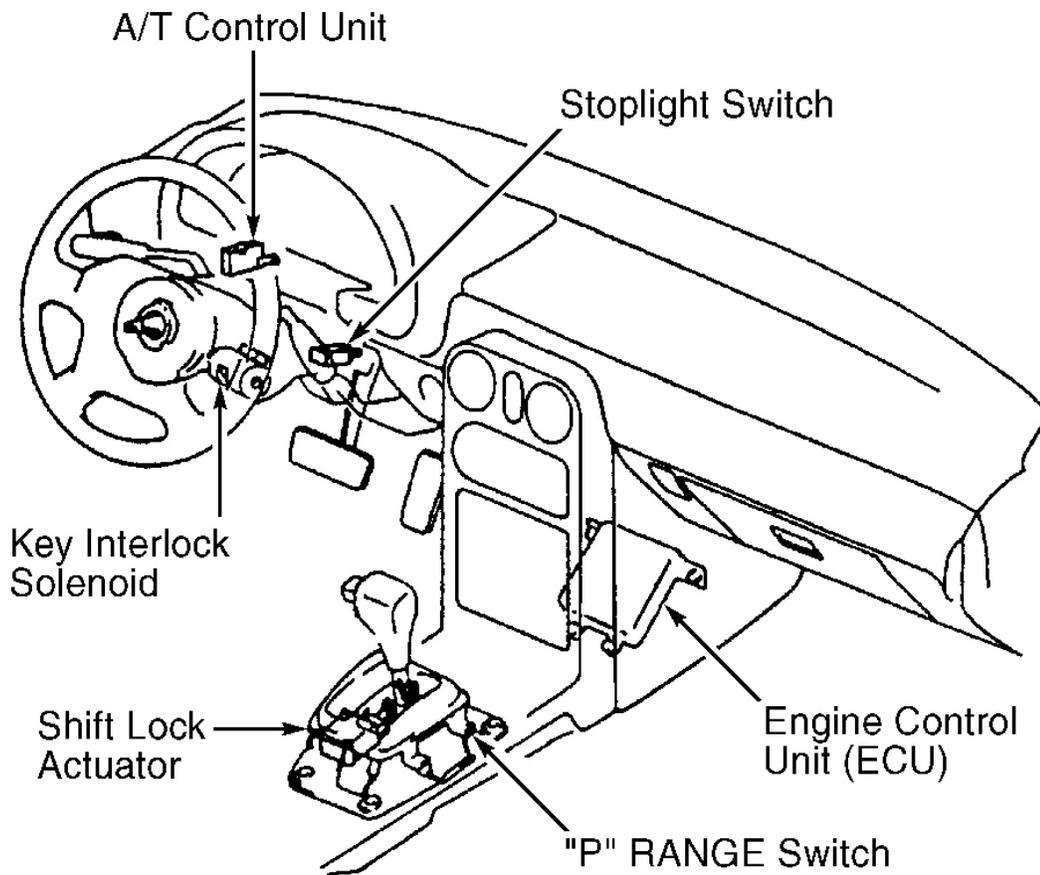


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Fig. 3: Component Locations (3 Of 6)

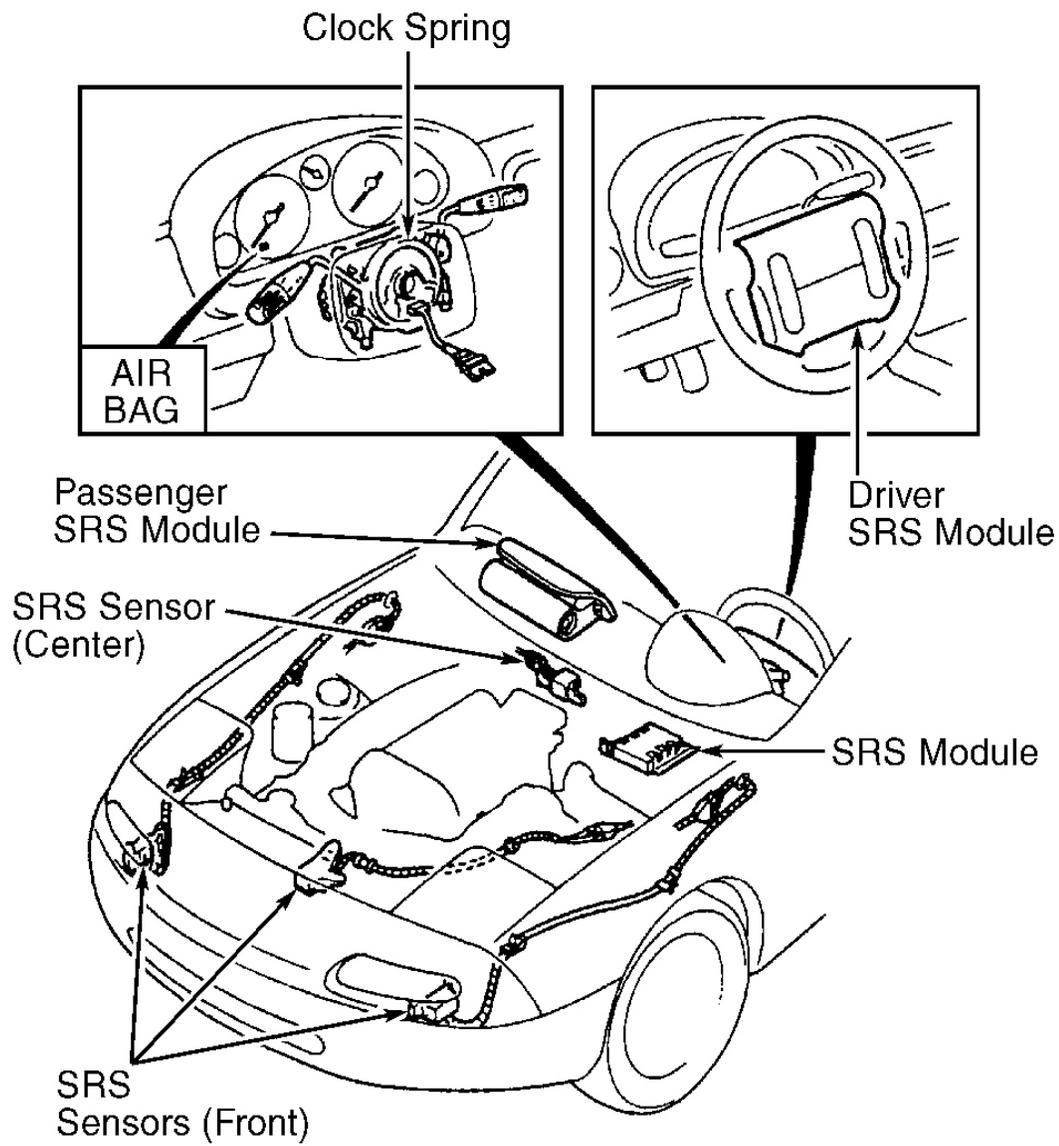
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Fig. 4: Component Locations (4 Of 6)

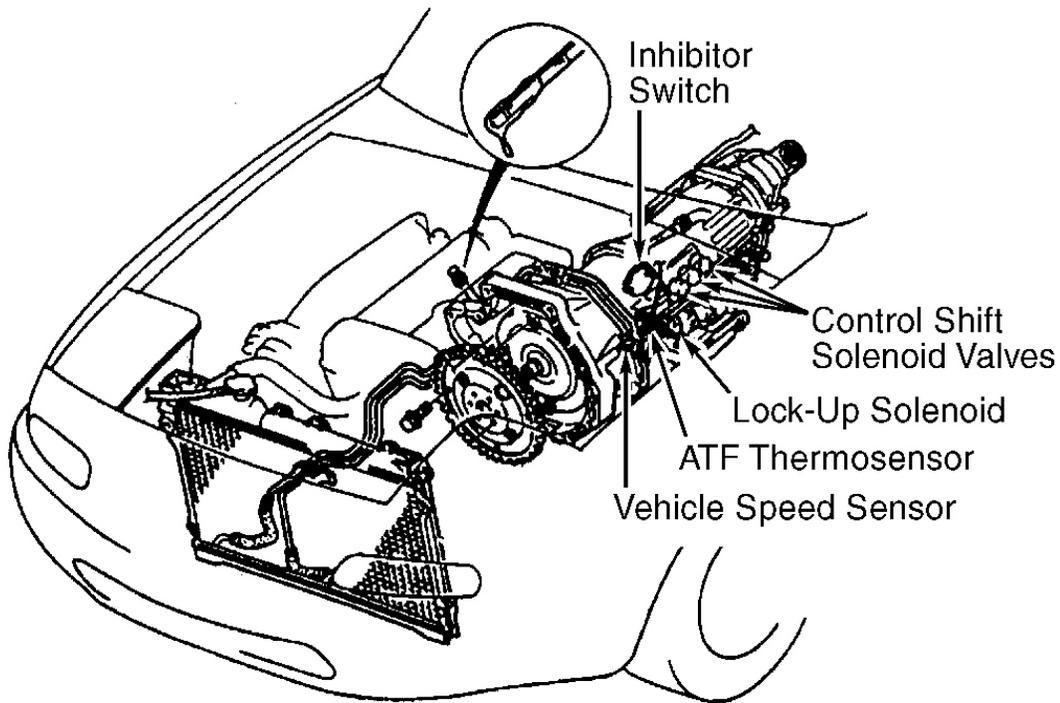


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Fig. 5: Component Locations (5 Of 6)

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Fig. 6: Component Locations (6 Of 6)