

# HOW TO USE SYSTEM WIRING DIAGRAMS

1991 Mitsubishi Montero

GENERAL INFORMATION  
Using Wiring Diagrams

All Models

## INTRODUCTION

This CD obtains wiring diagrams and technical service bulletins, containing wiring diagram changes from the domestic and import manufacturers. These are checked for accuracy and are all redrawn into a consistent format for easy use.

In the past, when cars were simpler, diagrams were simpler. All components were connected by wires and diagrams seldom exceeded 4 pages in length. Today, some wiring diagrams require more than 16 pages. It would be impractical to expect a service technician to trace a wire from page 1 across every page to page 16.

Removing some of the wiring maze reduces eyestrain and time wasted searching across several pages. Today the majority of these diagrams follow a much improved format, which permits space for internal switch details.

Wiring diagrams are drawn in a "top-down" format. The diagrams are drawn with the power source at the top of the diagram and the ground point at the bottom of the diagram. Components locations are identified on the wiring diagrams. Any wires that don't connect directly to a component are identified on the diagram to indicate where they go.

## COLOR ABBREVIATIONS

COLOR ABBREVIATIONS TABLE

Color	Normal	Optional
Black	BLK	BK
Blue	BLU	BU
Brown	BRN	BN
Clear	CLR	CR
Dark Blue	DK BLU	DK BU
Dark Green	DK GRN	DK GN
Green	GRN	GN
Gray	GRY	GY
Light Blue	LT BLU	LT BU
Light Green	LT GRN	LT GN
Orange	ORG	OG
Pink	PNK	PK
Purple	PPL	PL
Red	RED	RD
Tan	TAN	TN
Violet	VIO	VI
White	WHT	WT
Yellow	YEL	YL

## IDENTIFYING WIRING DIAGRAM ABBREVIATIONS

NOTE: Abbreviations used on these diagrams are normally self-explanatory. If necessary see ABBREVIATIONS

article in GENERAL INFORMATION.

## IDENTIFYING WIRING DIAGRAM SYMBOLS

NOTE: Standard wiring symbols are used in these diagrams. The illustration below will help clarify any symbols that are not easily understood at a glance. Most components are labeled "Motor", "Switch" or "Relay" in addition to being drawn with the standard symbol.

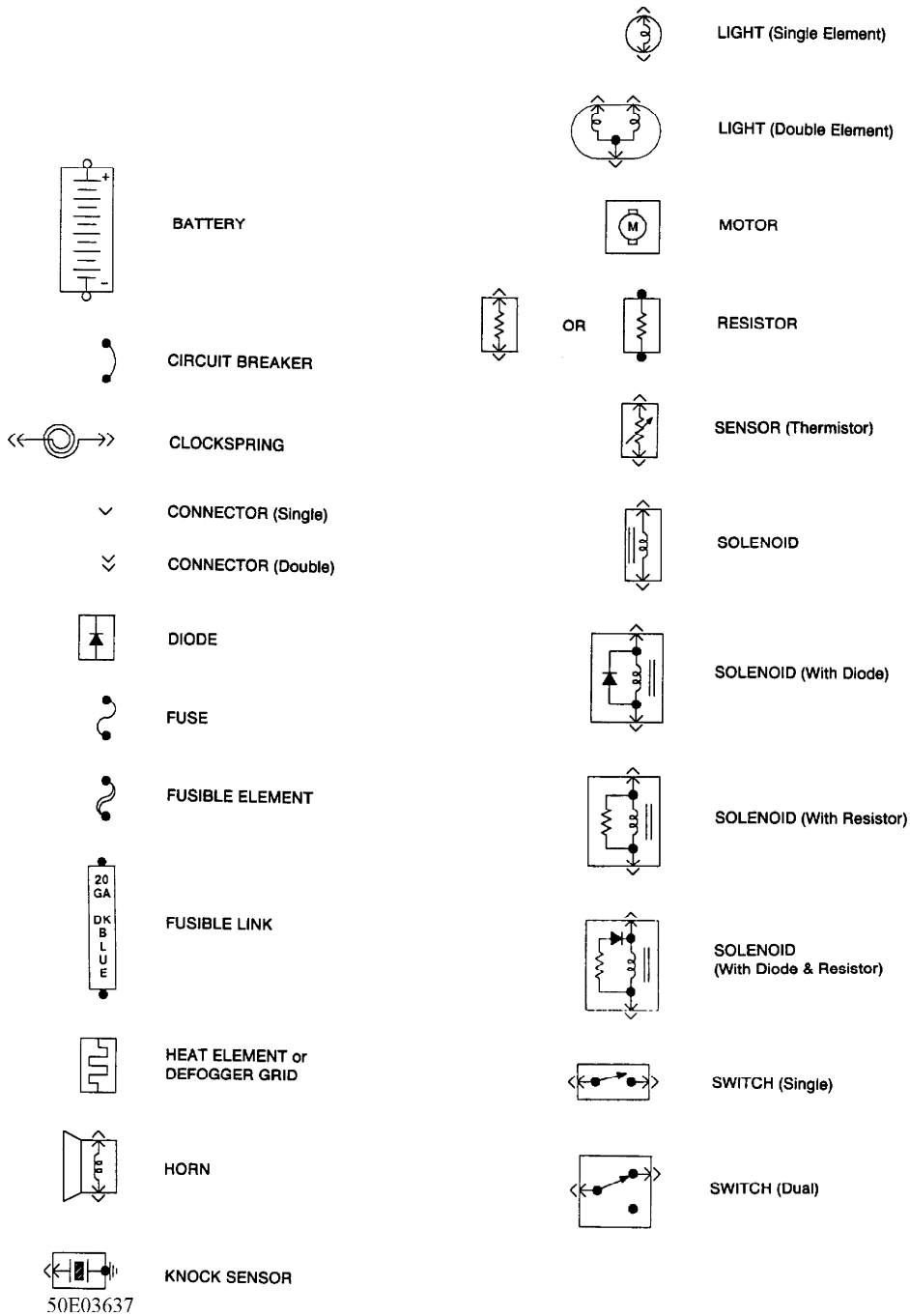


Fig. 1: Identifying Wiring Diagram Symbols

## WIRING DIAGRAM COMPONENT LOCATIONS

When trying to locate a component in a wiring diagram and you don't know the specific system where it is located, use this handy component locator to find the system wiring diagram in which the component is located. Then, go to that system and locate the component within the wiring diagram.

For example, if you don't know the specific system in which the ignition switch is located, look up ignition switch in the wiring diagram component location tables and go to the appropriate wiring diagram(s) which contain either full or partial views of the ignition switch. The full view of the ignition switch is located in Power Distribution.

The first listing for the component will be the full or most complete view of the component. Additional listings will be partial views of the component. Not all components are used on all models.

All components will have a partial view in Ground Distribution and Power Distribution. Data Link Connectors show connecting circuits between modules. Alternate names for components may be listed in wiring diagram component locations tables.

### WIRING DIAGRAM COMPONENT LOCATIONS TABLE

Component	Wiring Diagram
ABS Electronic Control Unit	Anti-Lock Brakes Data Link Connectors
ABS Hydraulic Unit	Anti-Lock Brakes
Acceleration Sensor	Anti-Lock Brakes
Accessory Delay Relay	Power Windows
A/C Compressor Clutch Relay	Engine Performance
A/C Sensor	Engine Performance
A/C Pressure Switch	Engine Performance
Adaptive Lamp Control Module	Exterior Lights
Air Bag(s)	Air Bag Restraint System
Air Bag Module	Air Bag Restraint System
Air Bag Sensor(s)	Air Bag Restraint System
Air Injection Pump Relay	Engine Performance
Air Temperature Sensor	Overhead Console
Alternator (Generator)	Generators & Regulators
Anti-Theft Control Module	Anti-Theft System Starters
Autolamp Control Relay	Headlight Systems Daytime Running Lights
Automatic Shutdown (ASD) Relay	Engine Performance Generators & Regulators
Autostick Switch	Engine Performance
Auxiliary Battery Relay	Generators & Regulators
Back-Up Lights	Back-Up Lights Exterior Lights
Barometric (BARO) Pressure Sensor	Engine Performance
Battery	Power Distribution
Battery Temperature Sensor	Engine Performance
Body Control Module	Body Control Computer Anti-Theft System Daytime Running Lights Engine Performance Headlight Systems Warning Systems
Boost Control Solenoid	Engine Performance
Boost Sensor	Engine Performance
Brake Fluid Level Switch	Analog Instrument Panels

Brake On/Off (BOO) Switch .....	Cruise Control Systems
	Engine Performance
	Shift Interlock Systems
Buzzer Module .....	Warning Systems
Camshaft Position (CMP) Sensor .....	Engine Performance
Central Control Module .....	Anti-Theft System
Clockspring .....	Air Bag Restraint System
	Cruise Control Systems
	Steering Column Switches
Clutch Pedal Position Switch .....	Starters
Clutch Start Switch .....	Starters
Combination Meter .....	Analog Instrument Panels
Constant Control Relay Module (CCRM) .....	Engine Performance
	Electric Cooling Fans
Convenience Center .....	Power Distribution
	Illumination/Interior Lights
Convertible Top Motor .....	Power Convertible Top
Convertible Top Switch .....	Power Convertible Top
Crankshaft Position (CKP) Sensor .....	Engine Performance
Cruise Control Module .....	Cruise Control Systems
Cruise Control Switch .....	Cruise Control Systems
Condenser Fan Relay(s) .....	Electric Cooling Fans
Data Link Connector (DLC) .....	Engine Performance
Daytime Running Lights Module .....	Daytime Running Lights
	Exterior Lights
Defogger Relay .....	Rear Window Defogger
Diagnostic Energy Reserve Module (DERM) ...	Air Bag Restraint System
Discriminating Sensor (Air Bag) .....	Air Bag Restraint System
Distributor .....	Engine Performance
Door Lock Actuators .....	Power Door Locks
	Remote Keyless Entry
Door Lock Relay(s) .....	Power Door Locks
Electrochromic Mirror .....	Power Mirrors
Electronic Level Control (ELC)	
Height Sensor .....	Electronic Suspension
Electronic Level Control (ELC) Module .....	Electronic Suspension
Engine Coolant Temperature (ECT)	
Sending Unit .....	Analog Instrument Panels
Engine Coolant Temperature (ECT) Sensor .....	Engine Performance
Engine Control Module .....	Engine Performance
	Generators & Regulators
	Starters
ETACS ECU .....	Warning Systems
	Power Windows
	Remote Keyless Entry
Evaporative (EVAP) Emissions Canister .....	Engine Performance
EVAP Canister Purge Solenoid .....	Engine Performance
EVAP Canister Vent Solenoid .....	Engine Performance
Exhaust Gas Recirculation (EGR) Valve .....	Engine Performance
Fuel Tank Vacuum Sensor .....	Engine Performance
Fog Lights .....	Headlight Systems
	Daytime Running Lights
Fog Light Relay .....	Headlight Systems
	Daytime Running Lights
Fuel Door Release Solenoid .....	Power Fuel Door Release
Fuel Gauge Sending Unit .....	Analog Instrument Panels
Fuel Injectors .....	Engine Performance
Fuel Pump .....	Engine Performance
Fuel Pump Relay .....	Engine Performance
	Power Distribution
Fuse/Relay Block .....	Power Distribution
Fusible Links .....	Power Distribution
	Generators & Regulators

		Starters
Generator .....	Generators & Regulators	Engine Performance
		Power Distribution
Generic Electronic Module (GEM) .....	Body Control Modules	Electronic Suspension
Glow Plug Relay .....	Engine Performance	
Glow Plugs .....	Engine Performance	
Grounds .....	Ground Distribution	
Headlight Door Module .....	Headlight Doors	
Headlight Relay .....	Headlight Systems	Daytime Running Lights
Headlights .....	Headlight Systems	Daytime Running Lights
Heated Oxygen Sensor(s) (HO2S) .....	Engine Performance	
Heated Windshield Control Module .....	Heated Windshields	
Height Sensor .....	Electronic Suspension	
Horns .....	Steering Column Switches	
Horn Relay .....	Steering Column Switches	
Idle Air Control (IAC) Motor/Valve .....	Engine Performance	
Ignition Coil(s) .....	Engine Performance	
Ignition Key Lock Cylinder .....	Anti-Theft System	
Ignition Module .....	Engine Performance	
Ignition Switch .....	Power Distribution	Engine Performance
	Generators & Regulators	Starters
Illuminated Entry Module .....	Illumination/Interior Lights	
Illumination Lights .....	Illumination/Interior Lights	
Impact Sensor .....	Air Bag Restraint System	
Inertia Fuel Shutoff Switch .....	Engine Performance	
Inhibit Relay .....	Starters	
Instrument Cluster .....	Analog Instrument Panels	
Intake Air Temperature (IAT) Sensor .....	Engine Performance	
Interior Lights .....	Illumination/Interior Lights	
Interlock Switch .....	Starters	
Junction Block .....	Power Distribution	
Keyless Entry Receiver .....	Remote Keyless Entry	
Key Reminder Switch .....	Starters	
Knock Sensor .....	Engine Performance	
Lamp Control Module .....	Exterior Lights	
License Plate Lamp .....	Exterior Lights	
Lighting Control Module .....	Lighting Control Modules	Anti-Theft System
	Daytime Running Lights	Headlight Systems
Lower Relay .....	Power Convertible Top	
Malfunction Indicator Light (MIL) .....	Engine Performance	Instrument Panels
Manifold Absolute Pressure (MAP) Sensor .....	Engine Performance	
Mass Airflow (MAF) Sensor .....	Engine Performance	
Mega Fuse .....	Generators & Regulators	
Memory Seat/Mirror Module .....	Memory Systems	
Mirror Defogger .....	Rear Window Defogger	
Moon Roof Motor .....	Power Moon Roof	
Moon Roof Relay .....	Power Moon Roof	
Multi-Function Control Module .....	Warning Systems	
Neutral Safety Switch .....	Starters	
Oil Level Switch .....	Engine Performance	
Oil Pressure Switch/Sending Unit .....	Analog Instrument Panels	Engine Performance
Overhead Console .....	Overhead Console	
Oxygen Sensor(s) (O2S) .....	Engine Performance	



Torque Converter Clutch Solenoid/Switch .....	Engine Performance
Traction Control Switch .....	Anti-Lock Brakes
Trailer Tow Connector .....	Exterior Lights
Trailer Tow Relay .....	Exterior Lights
Transmission/Transaxle .....	Engine Performance
Transmission Control Module (TCM) .....	Engine Performance
	Starters
Transmission Range Sensor .....	Starters
	Back-Up Lights
	Engine Performance
Transmission Range Switch .....	Back-Up Lights
	Engine Performance
	Anti-Theft System
Turn Signal Flasher .....	Exterior Lights
Turn Signal Lights .....	Exterior Lights
Twilight Sentinel Switch .....	Headlight Systems
	Daytime Running Lights
Vapor Canister Leak Detection Pump .....	Engine Performance
Vehicle Control Module (VCM) .....	Engine Performance
Vehicle Dynamic Module .....	Electronic Suspension
Vehicle Speed Control Servo .....	Cruise Control Systems
Vehicle Speed Sensor .....	Data Link Connectors
	Analog Instrument Panels
	Cruise Control Systems
	Electronic Suspension
Voltage Regulator .....	Generators & Regulators
Water-In-Fuel Sensor .....	Engine Performance
	Analog Instrument Panels
Wheel Speed Sensors .....	Anti-Lock Brakes
Window Timer Module .....	Power Convertible Top
Windshield Intermittent Wiper Relay .....	Wiper/Washer Systems
Windshield Washer Motor .....	Wiper/Washer Systems
Wiper Motor .....	Wiper/Washer Systems

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