ARTICLE BEGINNING

GENERAL INFORMATION

Using Wiring Diagrams

All Models

INTRODUCTION

Mitchell 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 Mitchell 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. Component 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

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### Identifying Wiring Diagram Abbreviations

**NOTE:** Abbreviations used on Mitchell diagrams are normally self-explanatory. If necessary see ABBREVIATIONS article in GENERAL INFORMATION.

### Identifying Wiring Diagram Symbols

**NOTE:** Standard wiring symbol are used in Mitchell 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.

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HOW TO USE SYSTEM WIRING DIAGRAMS

**Fig. 1:** Identifying Wiring Diagram Symbols

- **BATTERY**
- **CIRCUIT BREAKER**
- **CLOCKSPRING**
- **CONNECTOR (Single)**
- **CONNECTOR (Double)**
- **DIODE**
- **FUSE**
- **FUSIBLE ELEMENT**
- **FUSIBLE LINK**
- **HEAT ELEMENT or DEFROGGER GRID**
- **HORN**
- **KNOCK SENSOR**

**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.

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Exterior Lights

- Barometric (BARO) Pressure Sensor
- Battery
- Battery Temperature Sensor
- Body Control Module
- Exterior Lights
- Boost Control Solenoid
- Boost Sensor
- Brake Fluid Level Switch
- Brake On/Off (BOO) Switch
- Buzzer Module
- Camshaft Position (CMP) Sensor
- Central Control Module
- Clockspring
- Clutch Pedal Position Switch
- Clutch Start Switch
- Combination Meter
- Constant Control Relay Module (CCRM)
- Convenience Center
- Convertible Top Motor
- Convertible Top Switch
- Crankshaft Position (CKP) Sensor
- Cruise Control Module
- Cruise Control Switch
- Condenser Fan Relay(s)
- Data Link Connector (DLC)
- Daytime Running Lights Module
- Defogger Relay
- Diagnostic Energy Reserve Module (DERM)
- Discriminating Sensor (Air Bag)
- Distributor
- Door Lock Actuators
- Door Lock Relay(s)
- Electrochromic Mirror
- Electronic Level Control (ELC)
- Electronic Level Control (ELC)
- Engine Performance
- Power Distribution
- Body Control Computer
- Anti-Theft System
- Daytime Running Lights
- Engine Performance
- Headlight Systems
- Warning Systems
- Engine Performance
- Shift Interlock Systems
- Engine Performance
- Power Door Locks
- Remote Keyless Entry
- Power Mirrors
- Electronic Suspension
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Body Control Module

Perimeter Lighting Control Relay .......................... Exterior Lights
Power Amplifier ........................................ Power Antennas
Power Antenna Module .................................. Power Antennas
Power Antenna Motor .................................... Power Antennas
Power Distribution Center .............................. Power Distribution
Generators & Regulators
Starters

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Power Mirror Motors ..................................... Power Mirrors

Power Sliding Door Controller .......................... Power Sliding Side Door
Power Seat Motors ......................................... Power Seats

Power Steering Pressure Switch ...................... Engine Performance
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Power Top Relay(s) ....................................... Power Convertible Top
Powertrain Control Module ......................... Engine Performance

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Cruise Control Systems
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Generators & Regulators
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Power Window Relay(s) .................................. Power Windows
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Seat Belt Retractor Solenoid .......................... Passive Restraints
Seat Belt Switch ........................................ Air Bag Restraint System

Passive Restraints

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Shift Lock Actuator ...................................... Shift Interlock Systems
Side Marker Lights ....................................... Exterior Lights
SIR Coil Assembly (Clockspring) .................... Air Bag Restraint System
Slip Ring (Clockspring) ................................. Air Bag Restraint System

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Starter Motor ............................................ Starters
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Starter Solenoid .......................................... Starters
Starter Relay ............................................ Starters
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