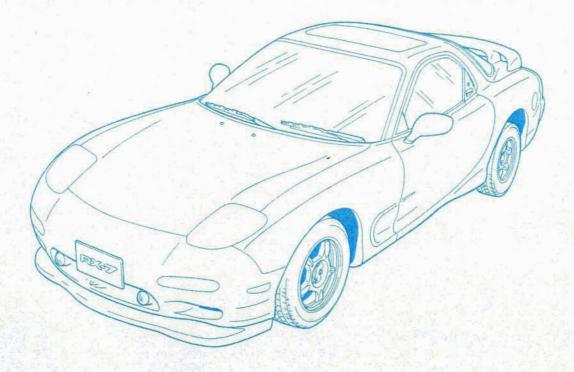
Full download: http://manualplace.com/download/mazda-rx-7-1994-search-able-wiring-diagram/

# Mazda RX-7

1994 Wiring Diagram





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# 1994 Mazda RX-7 Wiring Diagram

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W

#### **FOREWORD**

This wiring diagram incorporates the wiring schematics of the basic vehicle and available optional equipment. Actual vehicle wiring may vary slightly depending on optional equipment or local specifications, or both. All information in this booklet is based on information available at the time of printing. Mazda Motor Corporation reserves the right to make changes without previous notice.

SYSTEM CIRCUIT
DIAGRAM/
CONNECTOR LOCATIONS

A $\sim$ U

**COMMON CONNECTORS** 

 $\mathbf{X}^{1}$ 

JOINT BOX
COMPLETE WIRING
SYSTEM

JB

Mazda Motor Corporation HIROSHIMA, JAPAN

**PARTS LOCATION** 

PL

#### **APPLICATION:**

This manual applies to vehicles beginning with the Vehicle Identification Numbers (VIN) on the following page.

**INDEX** 

PI

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# VEHICLE IDENTIFICATION NUMBERS (VIN) (CHASSIS NUMBER)

JM1 FD333\*R0 300001~

#### WIRING COLOR CODE

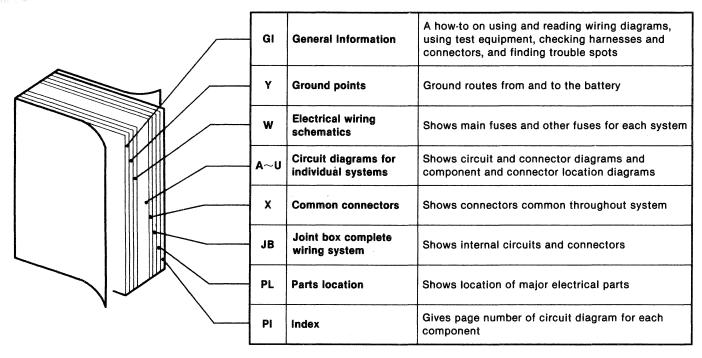
Color	Code	Color	Code
Blue	L	Orange	0
Black	В	Pink	Р
Brown	BR	Red	R
Dark Blue	DL	Purple	PU
Dark Green	DG	Sky Blue	SB
Green	G	Tan	Т
Gray	GY	White	W
Light Blue	LB	Yellow	Y
Light Green	LG	Violet	V
Natural	N		

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#### **Contents of wiring diagrams**

• This document comprises the 8 groups shown below. The main components are summarized in the components location diagram at the end of the document.



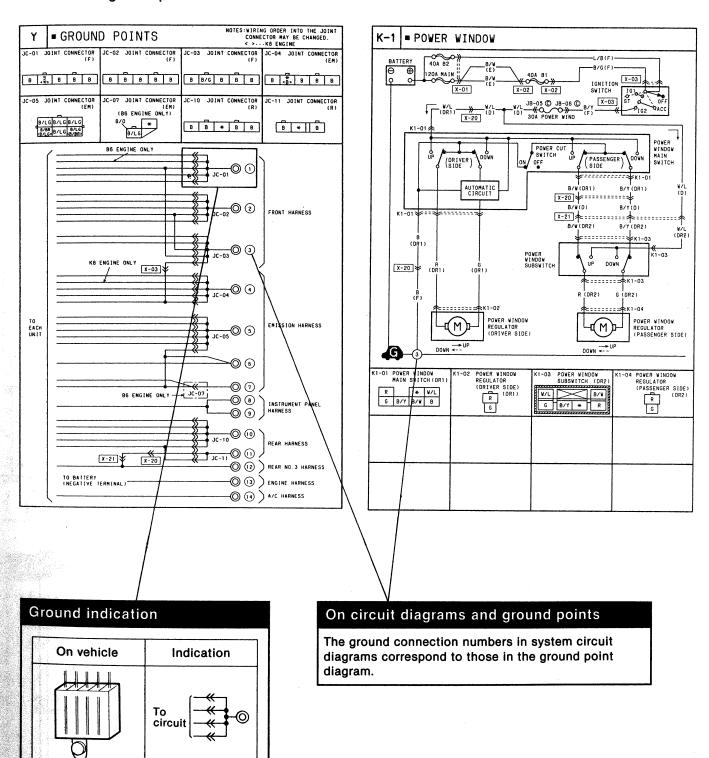
#### Using wiring diagrams

• The use of the wiring diagram depends on its application.

Application	Use	Application	Use
For checking circuits of individual systems	Open to page with circuit diagram and harness routing to be used and fold out common connector diagram or joint box diagram.	For checking fuse connections	Open to electrical wiring schematic.
For checking ground circuit of individual systems	Open to page with ground point diagram and fold out common connector diagram or joint box diagram.	For finding page numbers of systems and components	Parts Index System Index  or  Open to parts index or system index.

#### **Ground points**

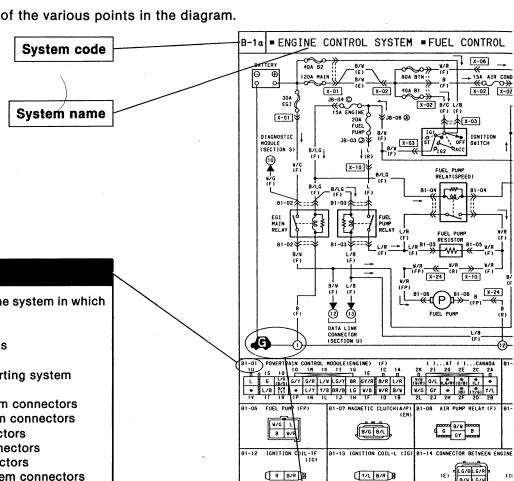
• This shows ground points of the harness.



#### System circuit diagram/connector diagram

• These show the circuits for each system, from the power supply to the ground. The power supply side is on the upper part of the page, the ground side on the lower part. The diagrams describe circuits with the ignition switch off.

Below is an explanation of the various points in the diagram.



#### Connector code

The prefix letter indicates the system in which the connector is used.

JB: Joint box connections

X : Common connectors

A: Charging system/starting system connectors

B: Engine control system connectors

C: Gauge control system connectors

D: Wiper system connectors

E: Lighting system connectors

: Signal system connectors

G: Air-conditioning system connectors

H: Transmission control system connectors

I : Interior lamp system connectors

J : Audio/radio connectors

K: Power window/power door lock system connectors

L : Remote control mirror system connectors

M: Sliding sunroof system connectors

N: Power steering/4-wheel steering system connectors

O: Anti-lock brake system connectors

P: Power seat/seat heater system connectors

Q: Auto cruise control system connectors

R: Auto adjusting suspension system connectors

S: Passive shoulder belt control/air bag system connectors

T: Others

Y: Ground connector

#### Ground numbers

A harness ground is represented differently than a unit ground.

Types of grounds	Symbol
Harness	
	<b>G</b> -1
Unit	<b>6</b>

■ IGNITION SYSTEM POWERTRAIN B1-07 ₩ 81-07 MAGNETIC CLUTCH (EM) AIR PUMP RELAY X-05 X-07 (TIMINE) IGNITER B/R(16) X-12 B(1G) BI-03 FUEL PUMP RELAY (F) B1-04 FUEL PUMP RELAY (SPEED) (F) 81-05 FUEL PUMP RESISTOR L/R W/R B1-11 IGNITION COIL-TR BI-10 CONDENSER (F) /B LG LG/W B/W BR/BLG/R BR B/V . L/W B/R M ITION (IG)

The number indicates that the circuit continues to the related system diagram.

#### **Current symbol**

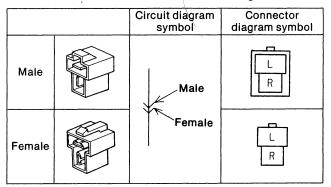
Current flows in the direction of the arrow.

#### Indicates shielded wire.\*

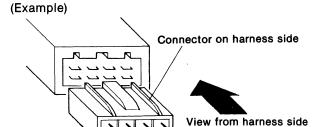
\*Shielded wire:
Prevents signal disturbances from
electrical interference.
Wire is covered by a metal meashing for
grounding.

#### Connector symbols

 Male and female connectors are represented as follows in the circuit and connector diagrams.



- Like connectors are linked by dashed lines between the connector symbols.
- Connector diagrams show connectors on the harness side. The terminal indicates the view from the harness side.



• Colors for connectors except milk-white are given in locations.

Unused terminals are indicated by \*



 Two-color wires are indicated by a two-letter symbol.
 The first indicates the base color of the wire, the second the color of the stripe.

Wire color code (harness symbol)

For example:

W/R is a white wire with a red strip BR/Y is a brown wire with a yellow strip

Symbol (Example)

Solid color wire Striped wire

White (base color)

(F) Black (F)

Red (stripe)

 The harness symbol is in ( ) following the harness symbols (refer to GI-7.). Full download: http://manualplace.com/download/mazda-rx-7-1994-search-able-wiring-diagram/

Z-GI-6

#### **Reading Wiring Diagrams**

#### **Routing diagram**

- The routing diagram shows where electrical components are on the system circuit diagram by call out line and connector symbols.
- Specified values are listed beside the routing diagram or on the following page.

