

2007 Mazda RX-8

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	yellow (15A)	+	ignition harness
Second 12 Volts	N/A		
Starter	white/blue	+	ignition harness
Second Starter	N/A		
Ignition	blue/black or black/yellow	+	ignition harness
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	blue/green	+	ignition harness
Second Accessory	white/red	+	ignition harness
Third Accessory	N/A		
Key Sense	pink/black	+	ignition harness
Data Bus			
Can Bus High			
Can Bus Low			
Can Bus Sw			
Power Lock	lt. green	-1000 ohms	driver kick, door harness
Power Unlock	same as power lock wire	-	
Lock Motor	red/blue	5 wire	driver kick, door harness
Unlock Motor	red/black	5 wire	driver kick, door harness
Disarm Defeat	green	5 wire	passenger kick, door harness
Parking Lights (+)	black/red	+	driver kick, harness to rear
Parking Lights (-)	lt. green	-	headlight switch
Hazards	orange	-	hazard switch
Turn Signal (Left)	green/yellow	+	turn signal switch
Turn Signal (Right)	black/red	+	turn signal switch

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	yellow/red	-	headlight switch
AutoLights			
Reverse Light	red/yellow	+	driver kick, harness to rear
Left Front Door Trigger	black/blue	-	driver kick, harness to rear
Right Front Door Trigger	same as left front door trigger		
Left Rear Door Trigger	same as left front door trigger		
Right Rear Door Trigger	same as left front door trigger		
Dome Supervision	green/black	-	driver kick, harness to rear
Trunk/Hatch Pin	brown	-	driver kick, harness to rear
Rear Glass Pin	N/A		
Hood Pin	purple/white	-	pin switch under hood
Trunk Hatch/Release	yellow	-	release switch
Trunk Release Motor			
Fuel Door Release			
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	green/red	-1000 ohms	driver kick, door harness
Factory Alarm Disarm	same as factory alarm arm wire	-	
Disarm No Unlock			
Trunk Alarm Shunt			
Tachometer	NOT black/white, black, or white/blue	ac	any ignition coil or fuel injector
Wait to Start	N/A		
Neutral Safety			
Clutch Pedal			
Fuel Pump			
Rear Defroster			
Mirror Defroster			
Left Front Heated Seat			
Right Front Heated Seat			

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	green/red	ac	radio harness
Brake Wire	black/blue	+	brake pedal switch
Parking Brake	gray	-	parking brake switch
Horn Trigger	green/blue to green/orange	-	horn switch
Wipers	blue/white (L), red (H)	+	windshield wiper switch
Left Front Window (Up/Down)	yellow/green - red/black	A	driver window switch in door
Right Front Window (Up/Down)	lt. green/black - green/white	A	driver kick, door harness
Left Rear Window (Up/Down)	N/A		
Right Rear Window (Up/Down)	N/A		
Sun Roof (Open/Close)	motor part of module		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	blue/red	+	radio harness
Radio Ground	black	-	radio harness
Radio Ignition	green/orange	+	radio harness
Radio Illumination	red/yellow	+	radio harness
Factory Amp Turn-on			
Power Antenna			
Left Front Speaker (+/-)	red - white	+,-	radio harness or amplifier
Right Front Speaker (+/-)	white/red - yellow/red	+,-	radio harness or amplifier
Left Rear Speaker (+/-)	purple - pink	+,-	radio harness or amplifier
Right Rear Speaker (+/-)	white/blue - black/blue	+,-	radio harness or amplifier
Center Channel (+/-)			
Subwoofer (+/-)			
Aux. Audio Input Left (+/-)			
Aux. Audio Input Right (+/-)			
RSE Video (+/-)			
RSE Audio Left (+/-)			
RSE Audio Right (+/-)			
Satellite Radio 12 Volts			
Satellite Radio Ground			
Satellite Radio Ignition			
Satellite Radio Antenna			
Satellite Audio Left (+/-)			
Satellite Audio Right (+/-)			

What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6 x 8	4	left front door
Left Front Tweeter			
Right Front Speaker	6 x 8	4	right front door
Right Front Tweeter			
Left Rear Speaker	6 x 8	4	left rear deck
Left Rear Tweeter			
Right Rear Speaker	6 x 8	4	right rear deck
Right Rear Tweeter			
Center Channel			
Subwoofer			
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			

Smart Starter Kill Relay

Relay Type:	n/a
Part #:	n/a
OE Relay Part #:	
Location:	n/a

Notes:
n/a

Alternate Part Notes:
n/a

Immobilizer Bypass Module

Required:	Yes
Type:	Transponder
Part #:	XK04
Alternate Part #'s:	1100F/1100X, 1101T, 20402, 29402, 556SW, 556UW

Notes:
Standard on all models. When using the 1100X, a software change to 1100FM is needed. The 1101T is for models equipped with the proximity key.

Door Lock Interface Module

Required:	No
Type:	Multiplex
Part #:	456LW
Alternate Part #'s:	

Notes:

Additional Wiring Notes

Item	Note
Power Lock	Lock is negative trigger thru a 1,000 ohm resistor. Unlock is a straight negative trigger. MUST use relays. Also found at the keyless control module above the passenger side kick panel or behind the glove box.
Left Front Door Trigger	Also found at the keyless control module above the passenger side kick panel or behind the glove box.
Trunk/Hatch Pin	Also found at the keyless control module above the passenger side kick panel or behind the glove box.
Hood Pin	Also found at the keyless control module above the passenger side kick panel or behind the glove box.
Factory Alarm Arm	Arm is negative trigger thru a 1,000 ohm resistor. Disarm is a straight negative trigger. MUST use relays. Also found at the keyless control module above the passenger side kick panel or behind the glove box.
Horn Trigger	Also found at the keyless control module above the passenger side kick panel or behind the glove box.
Left Front Speaker (+/-)	The amplifier is in the passenger side of the trunk.
Lock Motor	Also found at the keyless control module above the passenger side kick panel or behind the glove box.
Brake Wire	Can also use black/yellow (+) in the driver kick, harness to rear.
Key Sense	Also found at the keyless control module above the passenger side kick panel or behind the glove box.
Driver Unlock Motor	Also found at the keyless control module above the passenger side kick panel or behind the glove box.
Hazards	Also found at the keyless control module above the passenger side kick panel or behind the glove box.
Dome Supervision	Also found at the keyless control module above the passenger side kick panel or behind the glove box.
Trunk Hatch/Release	Also found at the keyless control module above the passenger side kick panel or behind the glove box.
Passenger Unlock Motor	Also found at the keyless control module above the passenger side kick panel or behind the glove box.