

2008 Mazda MX-5 Miata



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	white/green (40A)	+	ignition switch, white 6 pin plug, pin 3
Second 12 Volts	yellow/black (15A)	+	ignition switch, white 6 pin plug, pin 6
Starter	white/blue	+	ignition switch, white 6 pin plug, pin 1
Second Starter	N/A		
Ignition	green/white	+	ignition switch, white 6 pin plug, pin 2
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	pink/black	+	ignition switch, white 6 pin plug, pin 4
Second Accessory	white/red	+	ignition switch, white 6 pin plug, pin 5
Third Accessory	N/A		
Key Sense	brown/red	+	ign key sw, wht 2 pin plug, pin 2 or strng lock unit, wht 8 pin plg, pin 2
Data Bus	yel/blk or gray/blue (TX), blue/org or purple (RX)	data	PATS Transceiver around ignition key sw, white 4 pin plug, pins 2, 1
Can Bus High	blue/white (HS CAN)	data	data link connector, black 16 pin plug, pin 6
Can Bus Low	green/black (HS CAN)	data	data link connector, black 16 pin plug, pin 14
Can Bus Sw	N/A		
Power Lock	brown/white	-1000 ohms	Keyless Control Module above driver kick, gray 27 pin plg, pin 10
Power Unlock	(same as power lock)	-	
Lock Motor	lt. green	5 wire	Keyless Control Module above driver kick, white 6 pin plug, pin 2
Unlock Motor	gray	5 wire	Keyless Control Module above driver kick, white 6 pin plug, pin 5
Disarm Defeat	green/black	5 wire	Keyless Control Module above driver kick, white 6 pin plug, pin 1
Parking Lights (+)	black/green	+	junction connector in driver kick, white 54 pin plug, pin 24
Parking Lights (-)	brown/black	-	headlight switch, white 17 pin plug, pin 14
Hazards	orange	-	hazard switch, white 12 pin plug, pin 11
Turn Signal (Left)	green/yellow	+	turn signal switch, white 17 pin plug, pin 1
Turn Signal (Right)	black/red	+	turn signal switch, white 17 pin plug, pin 3

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	yellow/red	-	headlight switch, white 17 pin plug, pin 13
AutoLights	N/A		
Reverse Light	red/yellow	+	junction connector in driver kick, white 54 pin plug, pin 22
Left Front Door Trigger	blue/black	-	junction connector right of steering column, white 54 pin plug, pin 9
Right Front Door Trigger	(same as dome supervision)		
Left Rear Door Trigger	N/A		
Right Rear Door Trigger	N/A		
Dome Supervision	black/blue	-	junction connector right of steering column, white 54 pin plug, pin 20
Trunk/Hatch Pin	orange to black	-	trunk pin switch or light in trunk
Rear Glass Pin	N/A		
Hood Pin	gray	- N.C.	Keyless Control Module above driver kick, gray 27 pin plug, pin 8
Trunk Hatch/Release	purple	-	junction connector in driver kick, white 54 pin plug, pin 28
Trunk Release Motor	blue	+	trunk release relay or motor in trunk
Fuel Door Release	N/A		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	gray/red (driver door key lock)	-1000 ohms	Keyless Control Module above driver kick, gray 27 pin plug, pin 3
Factory Alarm Disarm	(same as factory alarm arm)	-	
Disarm No Unlock	(use keysense)		
Trunk Alarm Shunt	brown (trunk key cylinder)	-	Keyless Ctrl Mod above DKP, gry 27 pin plg, pin 13
Tachometer	white/green, red, yellow/red, or white/black	ac	any fuel injector, black 2 pin plug, pin 2
Wait to Start	N/A		
Neutral Safety	green/white (M/T)	-	PCM behind driver headlight, plug towards driver side, pin 51
Clutch Pedal	green/white	-	clutch switch, white 2 pin plug, pin 1
Fuel Pump	white/red	+	junction conn in driv kick, wht 54 pin plg, pin 26
Rear Defroster	yellow	- latched	junction connector left of steering column, white 54 pin plug, pin 45
Mirror Defroster	N/A		
Left Front Heated Seat	green/red	+ latched	left seat warmer switch, black 6 pin plug, pin 6
Right Front Heated Seat	green	+ latched	right seat warmer switch, white 6 pin plug, pin 6

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	white (except BOSE)	ac	radio, white 24 pin plug, pin 17
Brake Wire	black/yellow	+	junction connector in driver kick, white 54 pin plug, pin 25
Parking Brake	gray	-	junction connector right of steering column, white 54 pin plug, pin 10
Horn Trigger	green/orange	-	horn switch, white 8 pin plug, pin 1
Wipers	black/yellow (L), black/blu (H), blk/lt. grn (ign)	+	junction connector left of steering column, wh 14 pin plg, pins 9, 3, 4
Left Front Window (Up/Down)	red/white - red/green	A	power window switch, white 8 pin plug, pins 2 - 4, or 3 - 8
Right Front Window (Up/Down)	green/red - white/red	A	power window switch, white 8 pin plug, pins 1 - 5, or 5 - 6
Left Rear Window (Up/Down)	N/A		
Right Rear Window (Up/Down)	N/A		
Sun Roof (Open/Close)	yellow (hardtop down) (functions with ign on only)	- 993 ohms	junction connector in driver kick, white 54 pin plug, pin 4
Sun Roof (Limit/Close)	(hardtop up) (same as hardtop down)	-2183 ohms	
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	blue/red	+	radio, white 24 pin plug, pin 14
Radio Ground	black	-	radio, white 24 pin plug, pin 24
Radio Ignition	red/black	+	radio, white 24 pin plug, pin 22
Radio Illumination	red/blue (parking lights), gray/red (dimmer)	+,-	radio, white 24 pin plug, pins 15, 16
Factory Amp Turn-on	pink/black	+	radio, white 24 pin plug, pin 6
Power Antenna	blue	+	radio, white 24 pin plug, pin 5
Left Front Speaker (+/-)	red - green	+,-	radio, white 24 pin plug, pins 1 - 2
Right Front Speaker (+/-)	white/black - yellow/red	+,-	radio, white 24 pin plug, pins 3 - 4
Left Rear Speaker (+/-)	blue/red - blue/orange	+,-	radio, white 24 pin plug, pins 10 - 11
Right Rear Speaker (+/-)	blue/black - blue/white	+,-	radio, white 24 pin plug, pins 12 - 13
Center Channel (+/-)	blue/black - green/yellow	+,-	amplifier in trunk right side, black 24 pin plug, pins 9 - 10
Subwoofer (+/-)	N/A		
Aux. Audio Input Left (+/-)	N/A		
Aux. Audio Input Right (+/-)	N/A		
RSE Video (+/-)	N/A		
RSE Audio Left (+/-)	N/A		

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DirectWire Vehicle RSE Audio Right (+/-)	Information - 9/26/2013 12:42:53 AM N/A		
Satellite Radio 12 Volts			
Satellite Radio Ground			
Satellite Radio Ignition			
Satellite Radio Antenna			
Satellite Audio Left (+/-)			
Satellite Audio Right (+/-)			

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What Fits

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

Additional Wiring Notes

Item	Note
Trunk/Hatch Pin	On models with keyless entry, it is also orange (-) at the Keyless Control Module above driver kick, white 30 pin plug, pin 19.
Trunk Hatch/Release	On models with keyless entry, it is also purple (-) at the Keyless Control Module above driver kick, gray 27 pin plug, pin 6.
Horn Trigger	On models with keyless entry, it is also green/orange (-) at the Keyless Control Module above driver kick, gray 27 pin plug, pin 25.
Hazards	On models with keyless entry, it is also orange (-) at the Keyless Control Module above driver kick, gray 27 pin plug, pin 14.
Left Front Speaker (+/-)	On models with amplifier, the speaker and tweeter wires are red/green - green/red at the amplifier in trunk right side, black 24 pin plug, pins 7 - 6.
Key Sense	On models with keyless entry, it is also brown/red (+) at the Keyless Control Module above driver kick, white 30 pin plug, pin 25.
Left Front Door Trigger	On models with keyless entry, it is also blue/black (-) at the Keyless Control Module above driver kick, gray 27 pin plug, pin 16.
Right Front Speaker (+/-)	On models with amplifier, the speaker and tweeter wires are white/blue - yellow/black at the amplifier in trunk right side, gray 8 pin plug, pins 7 - 2.
Left Rear Speaker (+/-)	On models with amplifier, the left and right rear speakers are paralleled, and the wires are purple - pink at the amplifier in trunk right side, black 24 pin plug, pins 11 - 12.
Dome Supervision	On models with keyless entry, it is also black/blue (-) at the Keyless Control Module above driver kick, gray 27 pin plug, pin 15.