

## 2009 Mitsubishi Outlander



## Wiring Information

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	white (80A), red (80A)	+	dash fuse box, black 2 pin plug, pins 1 and 2
<b>Second 12 Volts</b>	yellow (10A)	+	ignition switch, white 6 pin plug, pin 1
<b>Starter</b>	orange	+	ignition switch, white 6 pin plug, pin 5
<b>Second Starter</b>	N/A		
<b>Ignition</b>	white	+	ignition switch, white 6 pin plug, pin 2
<b>Second Ignition</b>	N/A		
<b>Third Ignition</b>	N/A		
<b>Accessory</b>	lt. green	+	ignition switch, white 6 pin plug, pin 6
<b>Second Accessory</b>	N/A		
<b>Third Accessory</b>	N/A		
<b>Key Sense</b>	red/white	open	ignition key switch, white 12 pin plug, pin 3
<b>Data Bus</b>	N/A		
<b>Can Bus High</b>	yellow (without Keyless Operating System)	data	Wireless Control Module around ign key sw, wht 12 pin plug, pin 11
<b>Can Bus Low</b>	lt. green (without Keyless Operating System)	data	Wireless Control Module around ign key sw, wht 12 pin plug, pin 10
<b>Can Bus Sw</b>	N/A		
<b>Power Lock</b>	white/black	-	driver kick, brown 24 pin plug, pin 2
<b>Power Unlock</b>	red/yellow	-	driver kick, brown 24 pin plug, pin 3
<b>Lock Motor</b>	red/green	5 wire	dash fuse box, white 19 pin plug, pin 6
<b>Unlock Motor</b>	blue	5 wire	dash fuse box, white 19 pin plug, pin 2
<b>Disarm Defeat</b>	green	5 wire	dash fuse box, white 19 pin plug, pin 5
<b>Parking Lights (+)</b>	yellow (L), brown (R)	+	dash fuse box, white 20 pin plug, pins 10 and 13
<b>Parking Lights (-)</b>	(LIN bus)		
<b>Hazards</b>	green	-	dash fuse box, top edge, white 24 pin plug, pin 19
<b>Turn Signal (Left)</b>	green	+	dash fuse box, white 20 pin plug, pin 18
<b>Turn Signal (Right)</b>	white	+	dash fuse box, white 20 pin plug, pin 19

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
<b>Headlight</b>	purple (L), green (H)	-	dash fuse box, bottom edge, white 16 pin plug, pins 6 and 13
<b>AutoLights</b>	N/A		
<b>Reverse Light</b>	white	+	dash fuse box, white 20 pin plug, pin 2
<b>Left Front Door Trigger</b>	yellow	-	dash fuse box, brown 16 pin plug, pin 16
<b>Right Front Door Trigger</b>	green	-	dash fuse box, brown 16 pin plug, pin 12
<b>Left Rear Door Trigger</b>	red	-	dash fuse box, brown 16 pin plug, pin 7
<b>Right Rear Door Trigger</b>	black	-	dash fuse box, brown 16 pin plug, pin 8
<b>Dome Supervision</b>	yellow	-	dash fuse box, white 6 pin plug, pin 5
<b>Trunk/Hatch Pin</b>	white	-	dash fuse box, brown 16 pin plug, pin 5
<b>Rear Glass Pin</b>	N/A		
<b>Hood Pin</b>	red/white	-	dash fuse box, bottom edge, white 16 pin plug, pin 12
<b>Trunk Hatch/Release</b>	brown (rear handle sw) or use trunk release motor	-	dash fuse box, brown 16 pin plug, pin 14
<b>Trunk Release Motor</b>	gray	5 wire	dash fuse box, white 20 pin plug, pin 1
<b>Fuel Door Release</b>	N/A		
<b>Power Sliding Door (Left)</b>	N/A		
<b>Power Sliding Door (Right)</b>	N/A		
<b>Factory Alarm Arm</b>	factory remote only		
<b>Factory Alarm Disarm</b>	see disarm no unlock		
<b>Disarm No Unlock</b>	Transponder and ignition		
<b>Trunk Alarm Shunt</b>	N/A		
<b>Tachometer</b>	NOT red/white (I-4) or blue (V6)	ac	any fuel injector
<b>Wait to Start</b>	N/A		
<b>Neutral Safety</b>	N/A		
<b>Clutch Pedal</b>	N/A		
<b>Fuel Pump</b>	blue	+	dash fuse box, white 2 pin plug, pin 1
<b>Rear Defroster</b>	blue	- latched	dash fuse box, top edge, white 24 pin plug, pin 12
<b>Mirror Defroster</b>	same as rear defroster		
<b>Left Front Heated Seat</b>		5 wire	left heated seat switch, 6 pin plug, pin 5
<b>Right Front Heated Seat</b>		5 wire	right heated seat switch, 6 pin plug, pin 5

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	white/blue	ac	radio, white 20 pin plug, pin 11
Brake Wire	red	+	brake switch, white 4 pin plug, pin 1
Parking Brake	lt. green	-	parking brake switch, black 1 pin plug, pin 1
Horn Trigger	green	-	horn switch or dash fuse box, white 19 pin plug, pin 19
Wipers	green (L), blue (H)	+	dash fuse box, white 16 pin plug, pins 6 and 5
Left Front Window (Up/Down)	purple - orange	A	power window main switch, white 19 pin plug, pins 2 and 6
Right Front Window (Up/Down)	blue/white - green	A	driver kick, white 12 pin plug, pins 4 and 5
Left Rear Window (Up/Down)	white - blue	A	driver kick, white 12 pin plug, pins 6 and 1
Right Rear Window (Up/Down)	gray - yellow	A	driver kick, white 12 pin plug, pins 10 and 11
Sun Roof (Open/Close)	yellow - green (function with ignition on only)	-	sunroof switch, black 6 pin plug, pins 5 and 6
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	red/white	+	radio, white 20 pin plug, pin 10
Radio Ground	black	-	radio, white 20 pin plug, pin 20
Radio Ignition	yellow	+	radio, white 20 pin plug, pin 1
Radio Illumination	green/white (dimmer)	+	radio, white 20 pin plug, pin 9
Factory Amp Turn-on	pink or blue	+	radio, white 18 pin plug, pin 17 or 7
Power Antenna	pink	+	radio, white 20 pin plug, pin 14
Left Front Speaker (+/-)	white/blue - black/yellow	+,-	radio, white 20 pin plug, pins 8 and 18
Right Front Speaker (+/-)	white/red - black/red	+,-	radio, white 20 pin plug, pins 6 and 16
Left Rear Speaker (+/-)	yellow/blue - gray/blue	+,-	radio, white 20 pin plug, pins 7 and 17
Right Rear Speaker (+/-)	yellow/red - gray/red	+,-	radio, white 20 pin plug, pins 5 and 15
Center Channel (+/-)	N/A		
Subwoofer (+/-)	green - yellow (1); blue - brown (2)	+,-	amplifier under pass seat, white 18 pin plug, pins 1 and 9; 2 and 10
Aux. Audio Input Left (+/-)	yellow - orange	+,-	radio, white 18 pin plug, pins 13 and 14
Aux. Audio Input Right (+/-)	brown - orange	+,-	radio, white 18 pin plug, pins 4 and 14
RSE Video (+/-)			
RSE Audio Left (+/-)	yellow - orange	+,-	radio, white 18 pin plug, pins 13 and 14
RSE Audio Right (+/-)	brown - orange	+,-	radio, white 18 pin plug, pins 4 and 14
Satellite Radio 12 Volts	red/white	+	Sat Radio behind glove box, wht 14 pin plug, pin 1
Satellite Radio Ground	black	-	Sat Radio behind glove box, wht 14 pin plug, pin 8
Satellite Radio Ignition	(CAN bus)		
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	pink - brown	+,-	Satellite Radio, white 14 pin plug, pins 6 and 7
Satellite Audio Right (+/-)	blue - brown	+,-	Satellite Radio, white 14 pin plug, pins 14 and 7

## What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6.5		left front door
Left Front Tweeter	1.25		left front door
Right Front Speaker	6.5		right front door
Right Front Tweeter	1.25		right front door
Left Rear Speaker	6.5		left rear door
Left Rear Tweeter	N/A		
Right Rear Speaker	6.5		right rear door
Right Rear Tweeter	N/A		
Center Channel	N/A		
Subwoofer	10		left rear quarter panel
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			behind glove box

## Additional Wiring Notes

Item	Note
<b>Left Rear Speaker (+/-)</b>	On vehicles with amplifier, the speaker wires are yellow/blue - gray/blue at the amplifier under the passenger seat, white 14 pin plug, pins 1 and 7.
<b>Key Sense</b>	On vehicles with KOS (Keyless Operating System), the ignition knob push switch is green (+ resistor) at the ignition key switch, white 12 pin plug, pin 4.
<b>Left Front Speaker (+/-)</b>	On vehicles with amplifier, the speaker wires are white/blue - black/yellow at the amplifier under the passenger seat, white 18 pin plug, pins 8 and 18. The tweeter wires are white/blue - black/yellow at the amplifier, white 14 pin plug, pins 6 and 14.
<b>Right Front Speaker (+/-)</b>	On vehicles with amplifier, the speaker wires are white/red - black/red at the amplifier under the passenger seat, white 18 pin plug, pins 7 and 17. The tweeter wires are white/red - black/red at the amplifier, white 14 pin plug, pins 5 and 13.
<b>Right Rear Speaker (+/-)</b>	On vehicles with amplifier, the speaker wires are yellow/red - gray/red at the amplifier under the passenger seat, white 14 pin plug, pins 2 and 8.
<b>Can Bus High</b>	On vehicles with KOS (Keyless Operating System), it is gray at the KOS-ECU right of steering column, white 40 pin plug, pin 1.
<b>Can Bus Low</b>	On vehicles with KOS (Keyless Operating System), it is purple at the KOS-ECU right of steering column, white 40 pin plug, pin 2.