

## 2012 Chevrolet Malibu



## Wiring Information

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	red/black (50A)	+	BCM, red 41 pin plug (X3), pin D1
<b>Second 12 Volts</b>	red/black (30A), red/black (30A)	+	BCM, red 41 pin plug (X3), pins D12 and D10
<b>Starter</b>	purple (for starter kill only)	+	starter or underhood fuse box, white 68 pin plug, pin D12
<b>Second Starter</b>	white (resistor code), white/black (5V reference)	+9.6K ohms	ignition switch, green 6 pin plug, pins 5 and 6
<b>Ignition</b>	pink	+	ignition switch, green 6 pin plug, pin 3
<b>Second Ignition</b>	N/A		
<b>Third Ignition</b>	N/A		
<b>Accessory</b>	brown	+	ignition switch, green 6 pin plug, pin 4
<b>Second Accessory</b>	same as second starter	+6.3K ohms	
<b>Third Accessory</b>	N/A		
<b>Key Sense</b>	same as second starter		
<b>Data Bus</b>	dk. green (low speed GMLAN)	data	Theft Deterrent Module, black 6 pin plug, pins 5 and 6
<b>Can Bus High</b>	tan/black (high speed GMLAN)	data	data link connector, black 16 pin plug, pin 6
<b>Can Bus Low</b>	tan (high speed GMLAN)	data	data link connector, black 16 pin plug, pin 14
<b>Can Bus Sw</b>	dk. green (low speed GMLAN)	data	data link conn, bk 16 pin plg, pin 1 or BCM, gry 72 pin plg(X2), pin 55
<b>Power Lock</b>	white	-	driver kick or BCM, gray 72 pin plug (X1), pin 66
<b>Power Unlock</b>	same as power lock	-1.5K ohms	
<b>Lock Motor</b>	gray/black	5 wire	driver kick or BCM, red 41 pin plug (X3), pin A5
<b>Unlock Motor</b>	tan	5 wire	driver kick or BCM, red 41 pin plug (X3), pin B1
<b>Disarm Defeat</b>	tan	5 wire	passenger kick or BCM, red 41 pin plug (X3), pin A2
<b>Parking Lights (+)</b>	brown	+	driver kick or BCM, red 41 pin plug (X3), pin A7
<b>Parking Lights (-)</b>	brown/white	-	headlight switch or BCM, gray 72 pin plug (X2), pin 5
<b>Hazards</b>	white	-	hazard switch or BCM, gray 72 pin plug (X2), pin 9
<b>Turn Signal (Left)</b>	lt. blue/white (F); yellow (R)	+	BCM, gray 72 pin plug (X1), pin 38; red 41 pin plug (X3), pin A9
<b>Turn Signal (Right)</b>	dk. blue/white (F); dk. green (R)	+	BCM, gray 72 pin plug (X1), pin 56; red 41 pin plug (X3), pin A12

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
<b>Headlight</b>	white	-	headlight switch or BCM, gray 72 pin plug (X2), pin 15
<b>AutoLights</b>	purple/white (ground to turn off autolights)	-	headlight sw or BCM, gray 72 pin plug (X2), pin 17
<b>Reverse Light</b>	lt. blue	-	BCM, gray 72 pin plug (X1), pin 15
<b>Left Front Door Trigger</b>	gray/black	-	BCM, gray 72 pin plug (X1), pin 51
<b>Right Front Door Trigger</b>	tan/white	-	BCM, gray 72 pin plug (X1), pin 72
<b>Left Rear Door Trigger</b>	lt. blue/black	-	BCM, gray 72 pin plug (X1), pin 54
<b>Right Rear Door Trigger</b>	lt. green/black	-	BCM, gray 72 pin plug (X1), pin 53
<b>Dome Supervision</b>	gray	-	BCM, red 41 pin plug (X3), pin A10
<b>Trunk/Hatch Pin</b>	orange/black	-	BCM, gray 72 pin plug (X1), pin 18
<b>Rear Glass Pin</b>	N/A		
<b>Hood Pin</b>	pink/black	-	BCM, gray 72 pin plug (X1), pin 69
<b>Trunk Hatch/Release</b>	brown/white	-	driver kick or BCM, gray 72 pin plug (X1), pin 71
<b>Trunk Release Motor</b>	tan/white	+	trunk fuse box, black 62 pin plug, pin F10
<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>	lt. green (driver door key cylinder)	-	driver kick or BCM, gray 72 pin plug (X1), pin 35
<b>Factory Alarm Disarm</b>	same as factory alarm arm	- 500 ohms	
<b>Disarm No Unlock</b>	Passkey and ignition		
<b>Trunk Alarm Shunt</b>	N/A		
<b>Tachometer</b>	NOT pink or pink/black	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>	gray	+	trunk fuse box, black 62 pin plug, pin A10
<b>Rear Defroster</b>	white	+ latched	BCM, gray 72 pin plug (X1), pin 57
<b>Mirror Defroster</b>	same as rear defroster		
<b>Left Front Heated Seat</b>	lt. blue/black	+	driver heated seat switch, black 6 pin plug, pin 3
<b>Right Front Heated Seat</b>	lt. blue/black or dk. blue/black	+	passenger heated seat switch, black 6 pin plug, pin 3

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	wheel speed sensor		
Brake Wire	white	+	BCM, gray 72 pin plug (X1), pin 42
Parking Brake	lt. blue	-	parking brake switch or BCM, gray 72 pin plug (X1), pin 59
Horn Trigger	tan	-	horn switch or BCM, gray 72 pin plug (X2), pin 14
Wipers	dk. green	+	BCM, gray 72 pin plug (X1), pin 22
Left Front Window (Up/Down)	dk. blue - brown	A	driver window switch, black 6 pin plug, pins E and A
Right Front Window (Up/Down)	lt. blue - tan	A	driver kick, door harness
Left Rear Window (Up/Down)	dk. green - purple	A	driver kick, door harness
Right Rear Window (Up/Down)	lt. green - purple	A	driver kick, door harness
Sun Roof (Open/Close)	brown - orange (function with ignition on only)	-	sunroof switch, black 3 pin plug, pins C and A
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, black 14 pin plug, pin 1
Radio Ground	black/white	-	radio, black 14 pin plug, pin 8
Radio Ignition	(low speed GMLAN)		
Radio Illumination	(low speed GMLAN)		
Factory Amp Turn-on	same as power antenna		
Power Antenna	pink	+	radio, black 16 pin plug, pin 3
Left Front Speaker (+/-)	tan - gray or tan - dk. green	+,-	radio, black 14 pin plug, pins 7 and 6
Right Front Speaker (+/-)	lt. green - dk. green or lt. green/wht - lt. green	+,-	radio, black 14 pin plug, pins 5 and 4
Left Rear Speaker (+/-)	brown - yellow or brown/white - brown	+,-	radio, black 16 pin plug, pins 6 and 7
Right Rear Speaker (+/-)	dk. blue - lt. blue or dk. blue - tan	+,-	radio, black 16 pin plug, pins 4 and 5
Center Channel (+/-)	N/A		
Subwoofer (+/-)	N/A		
Aux. Audio Input Left (+/-)	brown/white - tan/white (satellite audio)	+,-	radio, black 16 pin plug, pins 1 and 9
Aux. Audio Input Right (+/-)	dk. green/white - tan/white (satellite audio)	+,-	radio, black 16 pin plug, pins 2 and 9
RSE Video (+/-)	yellow - black	+,-	DVD Control Module, 6 pin plug, pins 2 and 1
RSE Audio Left (+/-)	white	+	DVD Control Module, 6 pin plug, pin 4
RSE Audio Right (+/-)	red	+	DVD Control Module, 6 pin plug, pin 3
Satellite Radio 12 Volts	red/white	+	Digital Radio Receiver, black 16 pin plug, pin 16
Satellite Radio Ground	black	-	Digital Radio Receiver, black 16 pin plug, pin 9
Satellite Radio Ignition	(low speed GMLAN)		
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	brown/white - tan/white	+,-	Digital Radio Receiver, blk 16 pin plg, pins 2, 10
Satellite Audio Right (+/-)	dk. green/white - tan/white	+,-	Digital Radio Receiver, blk 16 pin plg, pins 3, 10

## What Fits

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6.5		left front door
Left Front Tweeter			left front pillar
Right Front Speaker	6.5		right front door
Right Front Tweeter			right front pillar
Left Rear Speaker	6 x 9		left rear deck
Left Rear Tweeter	N/A		
Right Rear Speaker	6 x 9		right rear deck
Right Rear Tweeter	N/A		
Center Channel	N/A		
Subwoofer	N/A		
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			under rear deck

## Additional Wiring Notes

Item	Note
<b>Left Rear Speaker (+/-)</b>	If equipped, the amplifier is in the right side of the luggage compartment. On vehicles with amplifier, the rear speaker is bi-amplified. The high end wires are brown - yellow at the amplifier, green 16 pin plug, pins 8 and 7. The low end wires are dk. blue/white - lt. green/black at the amplifier, black 8 pin plug, pins 7 and 3.
<b>Right Rear Speaker (+/-)</b>	If equipped, the amplifier is in the right side of the luggage compartment. On vehicles with amplifier, the rear speaker is bi-amplified. The high end wires are dk. blue - lt. blue at the amplifier, green 16 pin plug, pins 6 and 5. The low end wires are dk. green - lt. blue/black at the amplifier, black 8 pin plug, pins 6 and 2.
<b>Satellite Radio 12 Volts</b>	If equipped, the Digital Radio Receiver is under the rear deck.
<b>Can Bus sw</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Right Front Speaker (+/-)</b>	If equipped, the amplifier is in the right side of the luggage compartment. On vehicles with amplifier, the speaker wires are lt. green - dk. green at the amplifier, green 16 pin plug, pins 1 and 2.
<b>Brake Wire</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Parking Lights (+)</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Reverse Light</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console. Can also use lt. green (+) at the trunk fuse box, white 32 pin plug, pin E4.
<b>Headlight</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>AutoLights</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Horn Trigger</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Parking Brake</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Left Front Speaker (+/-)</b>	If equipped, the amplifier is in the right side of the luggage compartment. On vehicles with amplifier, the speaker wires are tan - gray at the amplifier, green 16 pin plug, pins 4 and 3.
<b>Wipers</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Rear Defroster</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Power Lock</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Factory Alarm Arm</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Lock Motor</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Driver Unlock Motor</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Passenger Unlock Motor</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Left Front Door Trigger</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Right Front Door Trigger</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Left Rear Door Trigger</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Right Rear Door Trigger</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Parking Lights (-)</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Hazards</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Turn Signal (Left)</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Turn Signal (Right)</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Second Starter</b>	If interface module is not available, see Tech Doc 1605.
<b>Hood Pin</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console. On hybrid models, this wire does not go to the BCM, so you need to connect it at the hood switch in the engine compartment.
<b>Dome Supervision</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Trunk/Hatch Pin</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Left Front Window (Up/Down)</b>	On models with express up and down driver window, the motor is part of the factory window module. An aftermarket window module is not recommended.
<b>12 Volts</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Second 12 Volts</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>Trunk Hatch/Release</b>	The BCM (Body Control Module) is the fuse/relay box on the front passenger side of the center console.
<b>RSE Video (+/-)</b>	If equipped, the DVD Control Module is in the front driver side of the center console.