

## 2015 Mazda CX-5



## Wiring Information

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	white (50A)	+	driver kick fuse box, rear, white 1 pin plug, pin 1
<b>Second 12 Volts</b>	N/A		
<b>Starter</b>	brown/black	+	Start/Stop Unit in steering column, white 24 pin plug, pin 23
<b>Second Starter</b>	green/white (SS1); red/black (SS2)	-	Start/Stop Unit, white 32 pin plug, pin 20; white 24 pin plug, pin 17
<b>Ignition</b>	lt. green/red	+	Start/Stop Unit in steering column, white 24 pin plug, pin 10
<b>Second Ignition</b>	N/A		
<b>Third Ignition</b>	N/A		
<b>Accessory</b>	yellow/green	+	Start/Stop Unit in steering column, white 24 pin plug, pin 2
<b>Second Accessory</b>	brown/red	+	Start/Stop Unit in steering column, white 24 pin plug, pin 14
<b>Third Accessory</b>	N/A		
<b>Key Sense</b>	N/A		
<b>Data Bus</b>	N/A		
<b>Can Bus High</b>	white/black (HS CAN)	data	Start/Stop Unit in steering column, white 24 pin plug, pin 7
<b>Can Bus Low</b>	red/yellow (HS CAN)	data	Start/Stop Unit in steering column, white 24 pin plug, pin 8
<b>Can Bus Sw</b>	N/A		
<b>Power Lock</b>	blue/white	-1000 ohms	driver kick or Rear BCM in LR qrtr panel, white 24 pin plug, pin 15
<b>Power Unlock</b>	(same as power lock)	-	
<b>Lock Motor</b>	pink	5 wire	driver kick or Rear BCM in LR qrtr panel, white 16 pin plug, pin 2
<b>Unlock Motor</b>	blue/red	5 wire	driver kick or Rear BCM in LR qrtr panel, white 16 pin plug, pin 3
<b>Disarm Defeat</b>	blue/orange	5 wire	Rear BCM in LR quarter panel, white 16 pin plug, pin 4
<b>Parking Lights (+)</b>	green (F); pink/black (R)	+	Front BCM in underhood FB, blue 18 pin plg, pin 14 (F); driver kick(R)
<b>Parking Lights (-)</b>	(switch is plugged into Start/Stop Unit; no wires)		
<b>Hazards</b>	white/blue	-	Start/Stop Unit in steering column, white 32 pin plug, pin 4
<b>Turn Signal (Left)</b>	white/red (F); blue/black (R)	+	Front BCM in underhood FB, white 28 pin plg, pin 15 (F); driver kick(R)
<b>Turn Signal (Right)</b>	white (F); blue/orange (R)	+	Front BCM in underhood FB, blue 18 pin plug, pin 4 (F); driver kick(R)

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	green/black	-	Start/Stop Unit in steering column, white 32 pin plug, pin 28
AutoLights	(switch is plugged into Start/Stop Unit; no wires)		
Reverse Light	white/black	+	Rear BCM in LR quarter panel, blue 18 pin plug, pin 10
Left Front Door Trigger	brown/black	-	driver kick or Rear BCM in LR qrtr panel, white 24 pin plug, pin 12
Right Front Door Trigger	brown/red	-	Rear BCM in LR qrtr panel, wht 24 pin plug, pin 11
Left Rear Door Trigger	brown/white	-	Rear BCM in LR qrtr panel, wht 24 pin plug, pin 10
Right Rear Door Trigger	brown/yellow	-	Rear BCM in LR qrtr panel, wht 24 pin plug, pin 9
Dome Supervision	purple	-	Rear BCM in LR quarter panel, white 8 pin plug, pin 3
Trunk/Hatch Pin	brown	-	Rear BCM in LR quarter panel, blue 18 pin plug, pin 6
Rear Glass Pin	N/A		
Hood Pin	blue	- N.C.	driver kick or Rear BCM in LR qrtr panel, white 24 pin plug, pin 18
Trunk Hatch/Release	white/blue (rear handle switch)	-	Rear BCM in LR quarter panel, blue 18 pin plug, pin 7
Trunk Release Motor	green	5 wire	Rear BCM in LR quarter panel, blue 18 pin plug, pin 2
Fuel Door Release	N/A		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	white/green (driver door key lock)	-1000 ohms	driver kick or Rear BCM in LR qrtr panel, white 24 pin plug, pin 16
Factory Alarm Disarm	(same as factory alarm arm)	double -	
Disarm No Unlock	(smart key and ignition)		
Trunk Alarm Shunt	N/A		
Tachometer	white, gray, lt. blue, or blue	ac	any fuel injector, black 2 pin plug, pin 1
Wait to Start	N/A		
Neutral Safety	purple (M/T)	-	PCM next to underhood fuse box, black 140 pin plug, pin 33
Clutch Pedal	yellow/black (1); white/blue (2)	-	Strt/Stp Unit, wh 32P plg, pin19; wh 24P plg, pin3
Fuel Pump	lt. green	+	driver kick, harness to rear
Rear Defroster	blue/red	+ latched	driver kick, harness to rear
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	(LIN bus)		
Right Front Heated Seat	(LIN bus)		

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	purple/red	ac	radio, white 24 pin plug, pin 17
Brake Wire	red/blue	+	Start/Stop Unit in steering column, white 32 pin plug, pin 2
Parking Brake	lt. green/red	-	parking brake switch, white 1 pin plug, pin 1
Horn Trigger	purple	-	horn switch, white 14 pin plug, pin 1
Wipers	black	-	Start/Stop Unit in steering column, white 32 pin plug, pin 27
Left Front Window (Up/Down)	brown - gray	A	power window main switch, white 12 pin plug, pins 11 - 10
Right Front Window (Up/Down)	green/black - white/red	A	driver kick, door harness
Left Rear Window (Up/Down)	blue/yellow - red/black	A	driver kick, door harness
Right Rear Window (Up/Down)	blue/black - red	A	driver kick, door harness
Sun Roof (Open/Close)	blue/red - blue/white (function with ign on only)	+	sunroof switch, white 4 pin plug, pins 1 - 2
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	white/blue	+	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	yellow/green (parking lights); gray/blue (dimmer)	+,-	radio, white 24 pin plug, pins 15, 16
Factory Amp Turn-on	gray	+	radio, white 24 pin plug, pin 6
Power Antenna		+	radio, white 2 pin plug, pin 1
Left Front Speaker (+/-)	brown - green or black - white	+,-	radio, white 24 pin plug, pins 1 - 2
Right Front Speaker (+/-)	blue - lt. green or red - green	+,-	radio, white 24 pin plug, pins 3 - 4
Left Rear Speaker (+/-)	red/yellow - blue/white or pink - lt. green	+,-	radio, white 24 pin plug, pins 10 - 11
Right Rear Speaker (+/-)	red/blue - blue/yellow or gray - blue	+,-	radio, white 24 pin plug, pins 12 - 13
Center Channel (+/-)	white - yellow	+,-	amplifier above passenger kick, black 8 pin plug, pins 4 - 8
Subwoofer (+/-)	N/A		
Aux. Audio Input Left (+/-)	red/white - black	+,-	radio, white 24 pin plug (B), pins 22 - 21
Aux. Audio Input Right (+/-)	red/blue - black	+,-	radio, white 24 pin plug (B), pins 7 - 21
RSE Video (+/-)	black - red (rear view camera video)	+,-	radio, white 4 pin plug, pins 4 - 2
RSE Audio Left (+/-)	green - red (satellite audio)	+,-	radio, white 24 pin plug (B), pins 4 - 13
RSE Audio Right (+/-)	black - white (satellite audio)	+,-	radio, white 24 pin plug (B), pins 3 - 12
Satellite Radio 12 Volts	white/blue	+	Sat Radio behind glove box, wht 16 pin plg, pin 16
Satellite Radio Ground	black/yellow	-	Sat Radio behind glove box, wht 16 pin plug, pin 1
Satellite Radio Ignition	red/black	+	Sat Radio behind glove box, wht 16 pin plug, pin 8
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	green - white/red	+,-	Satellite Radio, white 16 pin plug, pins 3 - 4
Satellite Audio Right (+/-)	black - white/red	+,-	Satellite Radio, white 16 pin plug, pins 2 - 4

## What Fits

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6.5 or 8.86		left front door
Left Front Tweeter	1 or 3		left front dash
Right Front Speaker	6.5 or 8.86		right front door
Right Front Tweeter	1 or 3		right front dash
Left Rear Speaker	6.5 or 5.25		left rear door
Left Rear Tweeter	3 (surround)		left rear pillar
Right Rear Speaker	6.5 or 5.25		right rear door
Right Rear Tweeter	3 (surround)		right rear pillar
Center Channel	3		top center of dash
Subwoofer	N/A		
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 Front Speaker (+/-)</b>	On models with amplifier, the door speaker wires are brown - green/white at the amplifier above passenger kick, black 8 pin plug, pins 7 - 3. The dash speaker wires are brown - green at the amplifier, green 16 pin plug, pins 4 - 5.
<b>Right Front Speaker (+/-)</b>	On models with amplifier, the door speaker wires are blue - lt. green at the amplifier above passenger kick, black 8 pin plug, pins 2 - 6. The dash speaker wires are black/yellow - white/green at the amplifier, green 16 pin plug, pins 2 - 3.
<b>Left Rear Speaker (+/-)</b>	On models with amplifier, the door speaker wires are red/black - blue/black at the amplifier above passenger kick, green 16 pin plug, pins 8 - 16. The pillar speaker wires are pink - purple at the amplifier, green 16 pin plug, pins 1 - 9.
<b>Right Rear Speaker (+/-)</b>	On models with amplifier, the door speaker wires are red/blue - blue at the amplifier above passenger kick, green 16 pin plug, pins 7 - 6. The pillar speaker wires are pink - purple at the amplifier, green 16 pin plug, pins 1 - 9.