

## 2016 Mazda CX-3



## Wiring Information

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	white (50A)	+	driver kick fuse box
<b>Second 12 Volts</b>	N/A		
<b>Starter</b>	gray	+	Start Stop Unit in steering column, white 24 pin plug, pin 23
<b>Second Starter</b>	blue (SS1); red (SS2)	-	Start Stop Unit, white 32 pin plug, pin 20; white 24 pin plug, pin 17
<b>Ignition</b>	yellow	+	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>	pink	+	Start Stop Unit in steering column, white 24 pin plug, pin 2
<b>Second Accessory</b>	N/A		
<b>Third Accessory</b>	N/A		
<b>Key Sense</b>	N/A		
<b>Data Bus</b>	(immobilizer antenna is in the push button start)		
<b>Can Bus High</b>	green (HS CAN)	data	Start Stop Unit in steering column, white 24 pin plug, pin 7
<b>Can Bus Low</b>	red (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>	pink	-1000 ohms	BCM above driver kick, white 32 pin plug, pin 6
<b>Power Unlock</b>	(same as power lock)	-	
<b>Lock Motor</b>	tan	5 wire	ESU in driver kick, white 8 pin plug, pin 2
<b>Unlock Motor</b>	gray	5 wire	ESU in driver kick, white 8 pin plug, pin 5
<b>Disarm Defeat</b>	lt. blue	5 wire	ESU in driver kick, white 8 pin plug, pin 3
<b>Parking Lights (+)</b>	white (LF); gray (RF); blue (LR); pink (RR)	+	ESU, wht 10 pin plg, pins 5, 4; wht 8 pin plg, pin6; wh 18 pin plg, pin1
<b>Parking Lights (-)</b>	(switch is plugged into Start Stop Unit; no wires)		
<b>Hazards</b>	pink	-	Start Stop Unit in steering column, white 32 pin plug, pin 4
<b>Turn Signal (Left)</b>	red (F); red (R)	+	BCM above driv kick, white 24 pin plug, pin 13; wht 12 pin plug, pin 4
<b>Turn Signal (Right)</b>	blue (F); blue (R)	+	BCM above driv kick, white 24 pin plug, pin 1; white 12 pin plg, pin 3

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	tan (L); pink (R)	+	ESU in driver kick, white 10 pin plug, pin 3; white 4 pin plug, pin 3
AutoLights	(switch is plugged into Start Stop Unit; no wires)		
Reverse Light	gray	+	ESU in driver kick, white 18 pin plug, pin 12
Left Front Door Trigger	green	-	BCM above driver kick, white 32 pin plug, pin 20
Right Front Door Trigger	gray	-	BCM above driver kick, white 32 pin plug, pin 4
Left Rear Door Trigger	purple	-	BCM above driver kick, white 32 pin plug, pin 3
Right Rear Door Trigger	lt. green	-	BCM above driver kick, white 32 pin plug, pin 19
Dome Supervision	red	-	ESU in driver kick, white 18 pin plug, pin 16
Trunk/Hatch Pin	brown	-	BCM above driver kick, white 32 pin plug, pin 15
Rear Glass Pin	N/A		
Hood Pin	brown	- N.C.	BCM above driver kick, white 24 pin plug, pin 12
Trunk Hatch/Release	red (rear handle switch)	-	BCM above driver kick, white 32 pin plug, pin 10
Trunk Release Motor	white	5 wire	ESU in driver kick, white 8 pin plug, pin 4
Fuel Door Release	N/A		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	brown (driver door key lock)	-1000 ohms	BCM above driver kick, white 32 pin plug, pin 22
Factory Alarm Disarm	(same as factory alarm arm)	double -	
Disarm No Unlock	(smart key and push-button start)		
Trunk Alarm Shunt	N/A		
Tachometer	brown	ac	camshaft position sensor, engine driver side, gray 3 pin plug, pin 1
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	N/A		
Fuel Pump	green	+	above driver kick, white 14 pin plug, pin 4
Rear Defroster	gray	- latched	BCM above driver kick, white 24 pin plug, pin 6
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	tan	ac	radio in dash or tuner above pass kick, white 24 pin plug, pin 17
Brake Wire	blue	+	Start Stop Unit in steering column, white 32 pin plug, pin 2
Parking Brake	blue	-	parking brake switch, white 1 pin plug, pin 1
Horn Trigger	pink	-	horn switch, white 14 pin plg, pin 1 or BCM, white 24 pin plug, pin 22
Wipers	lt. blue	-	BCM above driver kick, white 24 pin plug, pin 15
Left Front Window (Up/Down)	brown - gray	A	power window main switch, white 12 pin plug, pins 11 - 10
Right Front Window (Up/Down)	purple - lt. blue	A	driver kick, door harness
Left Rear Window (Up/Down)	white - yellow	A	driver kick, door harness
Right Rear Window (Up/Down)	red - green	A	driver kick, door harness
Sun Roof (Open/Close)	purple - green (function with ignition 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	blue	+	radio in dash or tuner above pass kick, white 24 pin plug, pin 14
Radio Ground	black	-	radio in dash or tuner above pass kick, white 24 pin plug, pin 24
Radio Ignition	gray	+	radio in dash or tuner above pass kick, white 24 pin plug, pin 22
Radio Illumination	red (parking lights); white (dimmer)	+,-	radio in dash, white 24 pin plug, pins 15, 16
Factory Amp Turn-on	purple	+	tuner above pass kick, white 24 pin plug, pin 6
Power Antenna		+	radio in dash or tuner above pass kick, white 2 pin plug, pin 1
Left Front Speaker (+/-)	lt. green - blue or black - white	+,-	radio in dash or tuner above pass kick, white 24 pin plug, pins 1 - 2
Right Front Speaker (+/-)	blue - lt. green or red - green	+,-	radio in dash or tuner above pass kick, white 24 pin plug, pins 3 - 4
Left Rear Speaker (+/-)	brown - lt. blue or pink - lt. green	+,-	radio in dash or tuner above pass kick, white 24 pin plug, pins 10 - 11
Right Rear Speaker (+/-)	green - yellow or gray - blue	+,-	radio in dash or tuner above pass kick, white 24 pin plug, pins 12 - 13
Center Channel (+/-)	N/A		
Subwoofer (+/-)	pink - red (1); green - gray (2)	+,-	amplifier under passenger seat, black 8 pin plug, pins 3 - 7; 2 - 6
Aux. Audio Input Left (+/-)	black - white	+,-	radio or tuner, white 24 pin plug (B), pins 5 - 17
Aux. Audio Input Right (+/-)	red - white	+,-	radio or tuner, white 24 pin plug (B), pins 6 - 17
RSE Video (+/-)	lt. green - purple (iPod); black-red (rear camera)	+,-	connect mstr unit/dsply, wh 28P plg, pin 6-20;1-15
RSE Audio Left (+/-)	black - white (CD player audio)	+,-	radio or tuner, white 24 pin plug (B), pins 7 - 19
RSE Audio Right (+/-)	red - green (CD player audio)	+,-	radio or tuner, white 24 pin plug (B), pins 8 - 20
Satellite Radio 12 Volts	(built into tuner above pass kick)		
Satellite Radio Ground	N/A		
Satellite Radio Ignition	N/A		
Satellite Radio Antenna	N/A		

DirectWire Vehicle Information - 12/8/2015 3:33:01 AM		
Satellite Audio Left (+/-)	N/A	
Satellite Audio Right (+/-)	N/A	

## What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6.5		left front door
Left Front Tweeter	1		left front dash
Right Front Speaker	6.5		right front door
Right Front Tweeter	1		right front dash
Left Rear Speaker	6.5 or 5.25		left rear door
Left Rear Tweeter	N/A		
Right Rear Speaker	6.5 or 5.25		right rear door
Right Rear Tweeter	N/A		
Center Channel	N/A		
Subwoofer	5.25		spare tire well
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner	(built into tuner above pass kick)		

Additional Wiring Notes

Item	Note
Left Front Speaker (+/-)	On models with a multipoint speaker wire are it. green blue (woofer) green