2014 BMW i3 (I01)

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/blue (40A)	+	Body Domain Controller below pass dash, 54 pin plug (3B), pin 33
Second 12 Volts	N/A		
Starter	blue (SS1)	-	Body Domain Controller below pass dash, 54 pin plug (7B), pin 45
Second Starter	yellow (SS2)	-	Body Domain Controller below pass dash, 54 pin plug (7B), pin 49
Ignition	green/yellow (for ignition sense only)	+ low curr	Body Domain Controller below pass dash, 54 pin plug (3B), pin 20
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	N/A		
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	N/A		
Data Bus	(immobilizer antenna ring is in steering column)		
Can Bus High	yellow (K CAN)	data	Body Domain Controller below pass dash, 54 pin plug (8B), pin 50
Can Bus Low	blue (K CAN)	data	Body Domain Controller below pass dash, 54 pin plug (8B), pin 49
Can Bus Sw	brown (keyless LIN bus)	data	Body Domain Controller below pass dash, 54 pin plug (4B), pin 15
Power Lock	blue	- resistor	Body Domain Controller below pass dash, 42 pin plug (2B), pin 28
Power Unlock	(same as power lock)	- resistor	
Lock Motor	white or black	5 wire	Body Domain Control below pass dash, 54 pin plg (4B), pin 30 or 20
Unlock Motor	blue	5 wire	Body Domain Controller below pass dash, 54 pin plug (4B), pin 29
Disarm Defeat	blue	5 wire	Body Domain Controller below pass dash, 54 pin plug (4B), pin 28
Parking Lights (+)	yel (LF); yel (RF); bu/pu or bu/wh (LR); bu/pu(RR)	+	Body Domain Control, 54P plg(3B), pins 52, 40, 54; 42P plg(5B), pin34
Parking Lights (-)	(LIN bus)		
Hazards	(LIN bus)		
Turn Signal (Left)	blue/green (F); black/yellow (R)	+	Body Domain Control, 54 pin plug (3B), pin 48; 42 pin plg(5B), pin 19
Turn Signal (Right)	blue/brown (F); black/yellow (R)	+	Body Domain Control, 54 pin plug (3B), pin 36; 42 pin plg(5B), pin 11

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	white/green (L); white/blue (R) (high beams)	+	Body Domain Control, 42 pin plug (2B), pin 26; 54 pin plg(3B), pin 34
AutoLights	(LIN bus)		
Reverse Light	purple	+	Body Domain Controller below pass dash, 42 pin plug (5B), pin 21
Left Front Door Trigger	gray	-	Body Domain Controller below pass dash, 42 pin plug (2B), pin 30
Right Front Door Trigger	black	-	Body Domain Controller, 42 pin plug (2B), pin 31
Left Rear Door Trigger	purple	-	Body Domain Controller, 42 pin plug (2B), pin 38
Right Rear Door Trigger	orange	-	Body Domain Controller, 42 pin plug (2B), pin 39
Dome Supervision	blue	-	Body Domain Controller below pass dash, 54 pin plug (3B), pin 21
Trunk/Hatch Pin	blue or gray	- N.C.	Body Domain Controller below pass dash, 54 pin plug (6B), pin 8
Rear Glass Pin	N/A		
Hood Pin	blue	-	Body Domain Controller below pass dash, 42 pin plug (2B), pin 40
Trunk Hatch/Release	red (trunk); yellow/blue (hood)	-	Body Domain Control, 42 pin plug (2B), pin 37; 54 pin plg (6B), pin 9
Trunk Release Motor	gray/green (trunk); brown/red (hood)	5 wire	Body Domain Controller below pass dash, 54 pin plg(6B), pins 6, 5
Fuel Door Release	red/blue or yellow (range extender)	-	refuelling button in driver kick, 4 pin plug, pin 4 or 3
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	(factory remote only)		
Factory Alarm Disarm	(see disarm no unlock)		
Disarm No Unlock	(transponder and push-button start)		
Trunk Alarm Shunt	N/A		
Tachometer	N/A		
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	N/A		
Fuel Pump	red/blue (range extender)	+	fuel pump relay below passenger dash
Rear Defroster	red	+ latched	Body Domain Controller below pass dash, 42 pin plug (5B), pin 22
Mirror Defroster	(LIN bus)		
Left Front Heated Seat	(LIN bus)		
Right Front Heated Seat	(LIN bus)		

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	(wheel speed sensor)		
Brake Wire	yellow	-	Body Domain Controller below pass dash, 54 pin plug (3B), pin 22
Parking Brake	(electric parking brake)		
Horn Trigger	purple/blue	+	Body Domain Controller below pass dash, 42 pin plug (2B), pin 2
Wipers	(LIN bus)		
Left Front Window (Up/Down)	(not recommended because of factory auto up/down)		
Right Front Window (Up/Down)	(not recommended because of factory auto up/down)		
Left Rear Window (Up/Down)	N/A		
Right Rear Window (Up/Down)	N/A		
Sun Roof (Open/Close)	(not recommended because of factory auto open/cls)		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	red/yellow	+	radio under right rear seat, 40 pin plug, pin 15
Radio Ground	black	-	radio under right rear seat, 40 pin plug, pin 12
Radio Ignition	(K CAN)		
Radio Illumination	N/A		
Factory Amp Turn-on	black/white	+	radio under right rear seat, 40 pin plug, pin 13
Power Antenna	N/A		
Left Front Speaker (+/-)	black/red - black/brown or yellow/red - yellow/brn	+,-	radio under right rear seat, 40 pin plug, pins 3 - 7
Right Front Speaker (+/-)	blue/red - blue/brown or purple/red - purple/brown	+,-	radio under right rear seat, 40 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	black/red - black/brn (LF wfr) or wht/red - wht/bn	+,-	radio under right rear seat, 40 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	blue/red - blue/brown (RF wfr) or grn/red - grn/bn	+,-	radio under right rear seat, 40 pin plug, pins 1 - 5
Center Channel (+/-)	black/white - black/purple	+,-	amplifier behind center of rear seats, 42 pin plug, pins 39 - 40
Subwoofer (+/-)	N/A		
Aux. Audio Input Left (+/-)	white/red - purple	+,-	radio under RR seat, 40 pin plug, pins 30 - 36
Aux. Audio Input Right (+/-)	white/green - purple	+,-	radio under RR seat, 40 pin plug, pins 35 - 36
RSE Video (+/-)	white - (shield) (reversing camera video)	+,-	radio under RR seat, 40 pin plug, pins 24 - 23
RSE Audio Left (+/-)	N/A		
RSE Audio Right (+/-)	N/A		
Satellite Radio 12 Volts	(built into radio)		
Satellite Radio Ground	N/A		
Satellite Radio Ignition	N/A		
Satellite Radio Antenna	N/A		
Satellite Audio Left (+/-)	N/A		
Satellite Audio Right (+/-)	N/A		

What Fits

Item	Size	Depth	Location
Headunit			
Left Front Speaker			
Left Front Tweeter			
Right Front Speaker			
Right Front Tweeter			
Left Rear Speaker			
Left Rear Tweeter			
Right Rear Speaker			
Right Rear Tweeter			
Center Channel			
Subwoofer			
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			

Additional Wiring Notes

Item	Note
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are black/red - black/brown (woofer); black/red - black/brown (midrange/tweeter) at the amplifier behind center of rear seats, 42 pin plug, pins 4 - 3; 33 - 34.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are blue/red - blue/brown (woofer); blue/red - blue/brown (midrange/tweeter) at the amplifier behind center of rear seats, 42 pin plug, pins 23 - 22; 11 - 12.
Left Rear Speaker (+/-)	On models with amplifier, the speaker wires are white/red - white/brown at the amplifier behind center of rear seats, 42 pin plug, pins 31 - 32.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are gray/red - gray/brown at the amplifier behind center of rear seats, 42 pin plug, pins 13 - 21.