

2013 Ford Edge (Smart Key) - North America

**Wiring Information**

Item	Wire Color	Polarity	Wire Location
12 Volts	Red (30A)	+	BCM in driver kick, black 32 pin plug (D), pin 6
Ground	(chassis ground)		
Starter	Blue/White (for starter kill only)	+	Junction Connector near steering column, black 30 pin plug, pin 27
Ignition	Gray/Brown (for ignition sense only)	+	BCM in driver kick, gray 10 pin plug (E), pin 10
Accessory	Blue (for delayed accessory sense only)	+	BCM in driver kick, black 32 pin plug (D), pin 27
PTS 1	Brown/Violet	+	BCM in driver kick, black 52 pin plug (B), pin 41 -- or-- Start Stop Switch, black 6 pin plug, pin 1
PTS 2	Yellow/Orange	-	BCM in driver kick, black 52 pin plug (B), pin 44 -- or-- Start Stop Switch, black 6 pin plug, pin 6
CAN Bus High	White/Blue (HS CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low	White (HS CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
CAN Bus High 2	Gray/Orange (MS CAN)	Data	BCM in driver kick, black 52 pin plug (B), pin 38
CAN Bus Low 2	Violet/Orange (MS CAN)	Data	BCM in driver kick, black 52 pin plug (B), pin 39
CAN Bus High 3	Gray/Orange (MS CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 3
CAN Bus Low 3	Violet/Orange (MS CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 11
OBD 12 Volts	Violet/Red (15A)	+	OBD-Data Link Connector, black 16 pin plug, pin 16
OBD Ground	Black/Gray	-	OBD-Data Link Connector, black 16 pin plug, pin 4
IMMO Data	White/Blue	Data	RFA Module behind glove box, white 23 pin plug, pin 13
IMMO Clock	Yellow/Gray	Data	RFA Module behind glove box, white 23 pin plug, pin 12
Power Lock	Blue/Green	-	BCM in driver kick, black 26 pin plug (C), pin 6

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Item	Wire Color	Polarity	Wire Location
Power Unlock	Yellow/Violet	-	BCM in driver kick, black 26 pin plug (C), pin 8
Lock Motor	Gray/Brown	Reverse	Driver Kick, door harness
Driver Unlock Motor	Blue/Green	Reverse	Driver Kick, door harness
Passenger Unlock Motor	Violet/Gray	Reverse	Driver Kick, harness to rear
Factory Alarm Arm	Violet/Green and Yellow/Green (driver door keypad)	Both -	Driver Kick, door harness
Factory Alarm Disarm	(proximity key and push button)		
Parking Lights	Yellow/Green or Yellow/Blue	+	BCM in driver kick, black 32 pin plug (D), pin 18 -- or-- gray 10 pin plug (E), pin 6
Parking Lights -	(HS CAN)		
Hazards	Brown/Yellow	-	BCM in driver kick, black 52 pin plug (B), pin 32
Turn Signal (Left)	Blue/Green (F); Gray/Orange (R)	+	BCM in driver kick, brown 26 pin plug (F), pin 8; black 26 pin plug (C), pin 14
Turn Signal (Right)	Yellow/Violet (F); Green/Orange (R)	+	BCM in driver kick, brown 26 pin plug (F), pin 7; black 26 pin plug (C), pin 15
Headlight	Brown/Blue (L); Blue/Green (R)	+	BCM in driver kick, gray 10 pin plug (E), pins 2, 1
AutoLights	(HS CAN)		
Reverse Light	Blue/White	+	BCM in driver kick, black 32 pin plug (D), pin 13
Left Front Door Trigger	Green/Violet	- N.C.	BCM in driver kick, black 26 pin plug (C), pin 9 --or- Driver Kick, door harness
Right Front Door Trigger	White	- N.C.	BCM in driver kick, black 26 pin plug (C), pin 5
Left Rear Door Trigger	Green	- N.C.	BCM in driver kick, black 26 pin plug (C), pin 20
Right Rear Door Trigger	Yellow	- N.C.	BCM in driver kick, black 26 pin plug (C), pin 21
Dome Light	Gray/Violet	+	BCM in driver kick, gray 12 pin plug (A), pin 1
Trunk/Hatch Pin	Gray/Orange	- N.C.	BCM in driver kick, black 26 pin plug (C), pin 19
Hood Pin	Blue/Orange	- N.C.	BCM in driver kick, brown 26 pin plug (F), pin 2
Power Liftgate	Gray/Yellow	-	Power Liftgate Switch, black 6 pin plug, pin 6

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Item	Wire Color	Polarity	Wire Location
Trunk/Hatch Release	Brown (rear handle switch)	-	Driver Kick, harness to rear
Trunk Release Motor	Green/Brown	Reverse	Driver Kick, harness to rear
Tachometer	Green/Blue, Gray/Yellow, Violet/Gray, Yellow/Orange, Brown, or Green/White	ac	Any Fuel Injector, black 2 pin plug, pin 1
Fuel Pump	Yellow/Violet	-	BCM in driver kick, brown 26 pin plug (F), pin 6
Rear Defroster	White/Orange	- Latched	Junction Connector near steering column, black 30 pin plug, pin 5
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	(MS CAN)		
Right Front Heated Seat	(MS CAN)		
Speed Sense	Brown/Green	ac	PCM on passenger firewall, black 50 pin plug, pin 25 (3.5L/3.7L); TCM next to battery, 60 pin plug, pin 51 (2.0L)
Brake Wire	Violet/White	+	BCM in driver kick, black 52 pin plug (B), pin 28 -- or-- Brake Switch
Parking Brake	White/Violet	-	BCM in driver kick, black 26 pin plug (C), pin 7 --or-- Parking Brake Switch
Horn Trigger	Violet/Green	-	BCM in driver kick, black 52 pin plug (B), pin 33 -- or-- Horn Switch
Wipers	(LIN Bus)		
Left Front Window (Up/Down)	(motor is part of module)		
Right Front Window (Up/Down)	Brown/Yellow - Green/Orange	A	Driver Kick, door harness
Left Rear Window (Up/Down)	Blue/Orange - Yellow	A	Driver Kick, door harness
Right Rear Window (Up/Down)	Gray/Violet - Brown/Green	A	Driver Kick, door harness
Sun Roof (Open/Close)	Violet/Brown - Yellow/Orange (function with ignition on only)	-	Sunroof Switch, 8 pin plug, pins 4 - 3
Memory Seat 1	Violet/White	-	Memory Set Switch, 8 pin plug, pin 2
Memory Seat 2	Yellow	-	Memory Set Switch, 8 pin plug, pin 6
Radio 12V	Gray/Red	+	Radio, 24 pin plug, pin 1
Radio Ground	Black/Blue	-	Radio, 24 pin plug, pin 13

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Item	Wire Color	Polarity	Wire Location
Radio Ignition	(Infotainment CAN) (see accessory)		
Radio Illumination	(Infotainment CAN)		
Factory Amp Turn-on	Violet/Red	+	Radio, 26 pin plug, pin 18
Power Antenna	Black	+	Radio, 24 pin plug, pin 2
Left Front Speaker (+/-)	White - White/Brown or Yellow/Violet - Brown/Blue	+,-	Radio, 24 pin plug, pins 22 - 10
Right Front Speaker (+/-)	White/Violet - White/Orange or Violet - Yellow	+,-	Radio, 24 pin plug, pins 23 - 11
Left Rear Speaker (+/-)	White/Green - Brown/Yellow	+,-	Radio, 24 pin plug, pins 21 - 9
Right Rear Speaker (+/-)	Brown/White - Brown/Blue	+,-	Radio, 24 pin plug, pins 24 - 12
Center Channel (+/-)	Green - Gray/Yellow	+,-	Amplifier in right rear quarter panel, 16 pin plug, pins 1 - 9
Subwoofer (+/-)	Violet - Yellow (1); Green/Violet - Gray (2)	+,-	Amplifier in right rear quarter panel, 16 pin plug, pins 1 - 9; 2 - 10
Aux. Audio Input Left (+/-)	Blue - Yellow/Green (without SYNC)	+,-	Radio, 24 pin plug, pins 17 - 6
Aux. Audio Input Right (+/-)	Blue/Green - Yellow/Green (without SYNC)	+,-	Radio, 24 pin plug, pins 18 - 6
Rearview Camera Video	White/Green - Brown/Violet	+,-	SYNC Module above radio, 54 pin plug, pins 14 - 15
RSE Video (+/-)	Blue/White - Green/Blue (aux. video)	+,-	SYNC Module above radio, 54 pin plug, pins 34 - 35
RSE Audio Left (+/-)	Blue - Gray/Orange (SYNC audio)	+,-	Radio, 26 pin plug, pins 12 - 25
RSE Audio Right (+/-)	Violet/Green - Brown/White (SYNC audio)	+,-	Radio, 26 pin plug, pins 13 - 26
Satellite Radio 12 Volts	(built into radio)		

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**What Fits**

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6 x 8	4	left front door
Left Front Tweeter			left front pillar
Right Front Speaker	6 x 8	4	right front door
Right Front Tweeter			right front pillar
Left Rear Speaker	6 x 8	3.8	left rear door
Left Rear Tweeter			left rear pillar
Right Rear Speaker	6 x 8	3.8	right rear door
Right Rear Tweeter			right rear pillar
Center Channel			top center of dash
Subwoofer	8		right rear quarter panel

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**Additional Wiring Notes**

Item	Note
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are white - white/brown at the amplifier in right rear quarter panel, 16 pin plug, pins 2 - 10. The tweeter wires are green/orange - gray/orange at the amplifier, 16 pin plug, pins 3 - 11.
Left Rear Speaker (+/-)	On models with amplifier, the speaker wires are white/green - brown/yellow at the amplifier in right rear quarter panel, 16 pin plug, pins 4 - 12. The tweeter wires are green/brown - gray/brown at the amplifier, 16 pin plug, pins 5 - 13.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are white/purple - white/orange at the amplifier in right rear quarter panel, 16 pin plug, pins 6 - 14. The tweeter wires are purple/orange - yellow/orange at the amplifier, 16 pin plug, pins 7 - 15.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are brown/white - brown/blue at the amplifier in right rear quarter panel, 16 pin plug, pins 8 - 16. The tweeter wires are green/brown - gray/brown at the amplifier, 16 pin plug, pins 5 - 13.