

2016 Lincoln Navigator (Smart Key) - North America



L I N C O L N

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red (30A)	+	BCM in passenger kick, white 32 pin plug (D), pin 6
Ignition	blue/green (for ignition sense only)	+	BCM in passenger kick, gray 10 pin plug (E), pin 10
Accessory	green/violet (for accessory sense only)	+	BCM in passenger kick, white 32 pin plug (D), pin 17
PTS 1	brown/violet	+	BCM in passenger kick, black/gray 52 pin plug (B), pin 41
PTS 2	yellow/orange	-	BCM in passenger kick, black/gray 52 pin plug (B), pin 44
CAN Bus High	white/blue (HS CAN)	data	BCM in passenger kick, brown 26 pin plug (F), pin 16
CAN Bus Low	white (HS CAN)	data	BCM in passenger kick, brown 26 pin plug (F), pin 17
CAN Bus High 2	gray/orange (MS CAN)	data	BCM in passenger kick, black/gray 52 pin plug (B), pin 38
CAN Bus Low 2	violet/orange (MS CAN)	data	BCM in passenger kick, black/gray 52 pin plug (B), pin 39
IMMO Data	white/blue	data	Backup Transceiver inside center console, green 5 pin plug, pin 3
IMMO Clock	yellow/gray	data	Backup Transceiver inside center console, green 5 pin plug, pin 4
Power Lock	white/brown	-	BCM in passenger kick, black 26 pin plug (C), pin 6
Power Unlock	blue/brown	-	BCM in passenger kick, black 26 pin plug (C), pin 8
Lock Motor	green/brown or gray/brown	5 wire	driver kick, door harness
Driver Unlock Motor	blue/green	5 wire	driver kick, door harness
Passenger Unlock Motor	violet/gray	5 wire	driver rear door harness
Factory Alarm Arm	(arms on lock)		
Factory Alarm Disarm	(see disarm no unlock)		
Disarm No Unlock	(proximity key and push-button)		

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Item	Wire Color	Polarity	Wire Location
Parking Lights (+)	yellow/green	+	BCM in passenger kick, white 32 pin plug (D), pin 18
Parking Lights (-)	gray	-	headlight switch, 10 pin plug, pin 5
Parking Lights Interrupt	black/white (see Tech Doc 1096)	cut	headlight switch, 10 pin plug, pin 7
Hazards	brown/yellow or brown	-	BCM in passenger kick, black/gray 52 pin plug (B), pin 32
Turn Signal (Left)	blue/green (F); gray/brown (R)	+	BCM in passenger kick, brown 26 pin plug (F), pin 8; black 26 pin plug (C), pin 14
Turn Signal (Right)	yellow/violet (F); violet/orange (R)	+	BCM in passenger kick, brown 26 pin plug (F), pin 7; black 26 pin plug (C), pin 15
Headlight	yellow/blue or yellow (headlight); black/white (switch ground)	- and cut	headlight switch, 10 pin plug, pins 10, 7
AutoLights	violet/green or violet	cut	headlight switch, 10 pin plug, pin 4
Reverse Light	blue/white	+	BCM in passenger kick, white 32 pin plug (D), pin 13
Left Front Door Trigger	green/violet	- N.C.	BCM in passenger kick, black 26 pin plug (C), pin 9
Right Front Door Trigger	white	- N.C.	BCM in passenger kick, black 26 pin plug (C), pin 5
Left Rear Door Trigger	yellow	- N.C.	BCM in passenger kick, black 26 pin plug (C), pin 20
Right Rear Door Trigger	green	- N.C.	BCM in passenger kick, black 26 pin plug (C), pin 21
Dome Light	gray/violet	+	BCM in passenger kick, gray 12 pin plug (A), pin 1
Trunk/Hatch Pin	gray/orange	- N.C.	BCM in passenger kick, black 26 pin plug (C), pin 19
Rear Glass Pin	(same as trunk/hatch pin)		
Hood Pin	blue/orange	- N.C.	BCM in passenger kick, brown 26 pin plug (F), pin 2
Power Liftgate	gray/yellow	-	driver kick, 59 pin plug, pin 58 or Front Controls Module, 8 pin plug, pin 7

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Trunk/Hatch Release	brown (liftgate); brown/yellow (glass hatch) (rear handle switch)	-	BCM in passenger kick, black 26 pin plug (C), pins 23, 4
Trunk Release Motor	green/white (liftgate); brown/blue (glass hatch)	5 wire	BCM in passenger kick, white 32 pin plug (D), pins 29, 28
Tachometer	green/blue (fuel injector 1)	ac	PCM on passenger firewall, 95 pin plug, pin 84
Fuel Pump	yellow/violet	-	BCM in passenger kick, brown 26 pin plug (F), pin 6
Rear Defroster	white/orange	- latched	HVAC Control Module in center dash, 26 pin plug, pin 25
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	(MS CAN)		
Right Front Heated Seat	(MS CAN)		
Speed Sense	yellow/orange	ac	PCM on passenger firewall, 95 pin plug, pin 12
Brake Wire	violet/white	+	BCM in passenger kick, black/gray 52 pin plug (B), pin 28
Parking Brake	violet/brown	-	BCM in passenger kick, black 26 pin plug (C), pin 7
Horn Trigger	violet	-	BCM in passenger kick, black/gray 52 pin plug (B), pin 33
Wipers	(LIN bus)		
Left Front Window (Up/Down)	(motor is part of module)		
Right Front Window (Up/Down)	(motor is part of module)		
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
Rear Sliding Window Open-Close	blue/brown - yellow/blue (rear quarter window) (function with ignition on only)	-	overhead console, 12 pin plug, pins 4 - 9
Sun Roof (Open/Close)	violet/brown - yellow/orange (function with ignition on only)	-	overhead console, 12 pin plug, pins 3 - 8
Memory Seat 1	violet/white	-	memory set switch, 8 pin plug, pin 3

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Item	Wire Color	Polarity	Wire Location
Memory Seat 2	yellow	-	memory set switch, 8 pin plug, pin 7
Radio 12V	gray/red or white/red	+	radio, 24 pin plug, pin 1
Radio Ground	black/blue	-	radio, 24 pin plug, pin 13
Radio Ignition	(Infotainment CAN)		
Factory Amp Turn-on	violet/red	+	radio, 26 pin plug, pin 18
Power Antenna	yellow/orange	+	radio, 24 pin plug, pin 2
Left Front Speaker (+/-)	white - white/brown (preamp)	+,-	radio, 24 pin plug, pins 22 - 10
Right Front Speaker (+/-)	white/violet - white/orange (preamp)	+,-	radio, 24 pin plug, pins 23 - 11
Left Rear Speaker (+/-)	green/brown - gray/brown (wfr); green/brown - violet/brown (twtr)	+,-	amplifier behind center dash, gray 24 pin plug, pins 18 - 6; 14 pin plug, pins 12 - 5
Right Rear Speaker (+/-)	blue/white - violet/white (wfr); violet/gray - yellow/gray (twtr)	+,-	amplifier behind center dash, gray 24 pin plug, pins 17 - 5; 19 - 7
Center Channel (+/-)	brown/violet - brown/green (L); green/blue - gray/blue (C); green/white - blue/white (R)	+,-	amplifier behind center dash, gray 24 pin plug, pins 14 - 2; 14 pin plug, pins 13 - 6; 14 - 7
Subwoofer (+/-)	green/violet - gray (1); violet - yellow (2)	+,-	amplifier behind center dash, gray 24 pin plug, pins 16 - 4; 15 - 3
Aux. Audio Input Left (+/-)	blue - gray/orange (SYNC audio)	+,-	radio, 26 pin plug, pins 12 - 25
Aux. Audio Input Right (+/-)	violet/green - brown/white (SYNC audio)	+,-	radio, 26 pin plug, pins 13 - 26
Rearview Camera Video	white/green - brown/violet	+,-	SYNC Module/display, 54 pin plug, pins 14 - 15
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			left front door
Left Front Tweeter			left front door
Right Front Speaker			right front door
Right Front Tweeter			right front door
Left Rear Speaker			left rear door
Left Rear Tweeter			left rear pillar
Right Rear Speaker			right rear door
Right Rear Tweeter			right rear pillar
Center Channel			top center of dash
Subwoofer			left rear quarter panel
Satellite Radio Tuner	(built into radio)		

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Additional Wiring Notes

Item	Note
Left Front Speaker (+/-)	The speaker wires are white - white/brown (woofer); green/orange - gray/orange (tweeter) at the amplifier behind center dash, 14 pin plug, pins 9 - 2; 11 - 4.
Right Front Speaker (+/-)	The speaker wires are white/purple - white/orange (woofer); purple/orange - yellow/orange (tweeter) at the amplifier behind center dash, 14 pin plug, pins 8 - 1; 10 - 3.