

2010 Lincoln Navigator - North America



L I N C O L N

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	blue/red (x2) (common 20A)	+	ignition switch, gray 10 pin plug, pins 8, 9
Starter	blue/white	+	ignition switch, gray 10 pin plug, pin 10
Ignition	white/orange	+	ignition switch, gray 10 pin plug, pin 1
Accessory	brown/yellow	+	ignition switch, gray 10 pin plug, pin 7
Second Accessory	violet/green	+	ignition switch, gray 10 pin plug, pin 5
Keysense	blue/gray	+	ignition switch, gray 10 pin plug, pin 3
CAN Bus High	white/blue (HS CAN)	data	data link connector, black 16 pin plug, pin 6
CAN Bus Low	white (HS CAN)	data	data link connector, black 16 pin plug, pin 14
CAN Bus High 2	gray/orange (MS CAN)	data	data link connector, black 16 pin plug, pin 3
CAN Bus Low 2	violet/orange (MS CAN)	data	data link connector, black 16 pin plug, pin 11
RX DATA	blue/gray	data	PATS Transceiver on ignition switch, black 4 pin plug, pin 4
TX DATA	violet/brown	data	PATS Transceiver on ignition switch, black 4 pin plug, pin 3
Power Lock	white/brown	-	driver kick or SJB in passenger kick, gray 26 pin plug (C), pin 17
Power Unlock	blue/brown	-	driver kick or SJB in passenger kick, gray 26 pin plug (C), pin 4
Lock Motor	gray/brown	5 wire	SJB in passenger kick, black 32 pin plug (D), pin 6
Driver Unlock Motor	blue/green	5 wire	SJB in passenger kick, black 32 pin plug (D), pin 28
Passenger Unlock Motor	violet/gray	5 wire	SJB in passenger kick, black 32 pin plug (D), pin 27
Factory Alarm Arm	violet/green and yellow/green (w/driv door keypad)	both -	SJB in passenger kick, gray 26 pin plug (C), pins 18, 6
Factory Alarm Disarm	(see disarm no unlock)		
Disarm No Unlock	(transponder and ignition)		

2010 Lincoln Navigator - North America



L I N C O L N

Item	Wire Color	Polarity	Wire Location
Parking Lights (+)	violet/white	+	SJB in passenger kick, gray 13 pin plug (E), pin 6
Parking Lights (-)	blue/gray	-	headlight switch, gray 10 pin plug, pin 5
Parking Lights Interrupt	black/white (see Tech Doc 1096)	cut	headlight switch, gray 10 pin plug, pin 7
Hazards	green/orange	-	SJB in passenger kick, black 52 pin plug (B), pin 48
Turn Signal (Left)	blue/green (F); gray/brown (R)	+	SJB in pass kick, blk 26 pin plg (F), pin 21; blk 32 pin plug (D), pin 25
Turn Signal (Right)	yellow/violet (F); violet/orange (R)	+	SJB in pass kick, blk 26 pin plg (F), pin 23; blk 32 pin plug (D), pin 26
Headlight	yellow/blue (headlight); black/white (switch ground)	- and cut	headlight switch, gray 10 pin plug, pins 10, 7
AutoLights	violet/green	cut	headlight switch, gray 10 pin plug, pin 4
Reverse Light	green/brown	+	passenger kick, harness to rear
Left Front Door Trigger	green/violet	- N.C.	driver kick or SJB in passenger kick, gray 26 pin plug (C), pin 14
Right Front Door Trigger	white	- N.C.	SJB in passenger kick, gray 26 pin plug (C), pin 2
Left Rear Door Trigger	yellow	- N.C.	SJB in passenger kick, gray 26 pin plug (C), pin 3
Right Rear Door Trigger	green	- N.C.	SJB in passenger kick, gray 26 pin plg (C), pin 15
Dome Light	gray/violet (dome lamps); violet (puddle lamps)	+	SJB in pass kick, gry 14 pin plg (A), pin 9; gry 26 pin plug (C), pin 12
Trunk/Hatch Pin	gray/orange	- N.C.	SJB in passenger kick, gray 26 pin plug (C), pin 16
Rear Glass Pin	(same as trunk/hatch pin)		
Hood Pin	blue/orange	- N.C.	SJB in passenger kick, black 26 pin plug (F), pin 10
Trunk/Hatch Release	brown (liftgate); brn/yel (glass) (rear handle sw)	-	SJB in passenger kick, gray 26 pin plug (C), pins 7, 20
Trunk Release Motor	green/white (liftgate); brown/blue (glass)	5 wire	SJB in passenger kick, black 32 pin plug (D), pins 15, 31
Tachometer	NOT blue	ac	any fuel injector

2010 Lincoln Navigator - North America



L I N C O L N

Item	Wire Color	Polarity	Wire Location
Fuel Pump	blue	+	fuel shutoff sw in LR qrtr pnl, gy 3 pin plg, pin1
Rear Defroster	white/orange	- latched	HVAC Control Module, black or blue 26 pin plug, pin 23
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	(climate controlled)		
Right Front Heated Seat	(climate controlled)		
Speed Sense	(wheel speed sensor)		
Brake Wire	yellow/gray	+	brake switch or SJB in passenger kick, black 52 pin plug (B), pin 40
Parking Brake	violet/brown	-	park brake sw or SJB in passenger kick, gray 26 pin plug (C), pin 1
Horn Trigger	yellow/red	-	horn switch or SJB in passenger kick, black 52 pin plug (B), pin 41
Wipers	blue/orange (low/high); black/white (ground)	-	wiper switch, black 16 pin plug, pins 16, 15
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
Sun Roof (Open/Close)	violet/white - yellow/orange (func w/ign on only)	-	overhead console switch, gray 12 pin plug, pins 6 - 8
Memory Seat 1	violet/white	-	memory switch, black 8 pin plug, pin 3
Memory Seat 2	yellow	-	memory switch, black 8 pin plug, pin 7
Radio 12V	white/red	+	radio, gray 24 pin plug, pin 1
Radio Ground	black/blue	-	radio, gray 24 pin plug, pin 13
Radio Ignition	(MS CAN)		
Radio Illumination	(MS CAN)		
Factory Amp Turn-on	yellow/violet or violet/red	+	radio, gray 24 pin plug, pin 7 or gray 8 pin plug, pin 4

2010 Lincoln Navigator - North America



L I N C O L N

Item	Wire Color	Polarity	Wire Location
Power Antenna	yellow/orange	+	radio, gray 24 pin plug, pin 5
Left Front Speaker (+/-)	white - white/brown	+,-	radio, gray 24 pin plug, pins 8 - 21
Right Front Speaker (+/-)	white/violet - white/orange	+,-	radio, gray 24 pin plug, pins 11 - 12
Left Rear Speaker (+/-)	white/green - brown/yellow	+,-	radio, gray 24 pin plug, pins 9 - 22
Right Rear Speaker (+/-)	brown/white - brown/blue	+,-	radio, gray 24 pin plug, pins 10 - 23
Center Channel (+/-)	green/blu - gray/blu (F); green/brn - pur/brn (R)	+,-	amplifier behind center dash, gray 14 pin plug, pins 13 - 6; 12 - 5
Subwoofer (+/-)	green - gray (1); violet - yellow (2)	+,-	amplifier behind center dash, gray 24 pin plug, pins 16 - 4; 15 - 3
Aux. Audio Input Left (+/-)	blue - yellow/green (w/o SYNC)	+,-	radio, gray 16 pin plug, pins 7 - 8
Aux. Audio Input Right (+/-)	blue/green - white/green (w/o SYNC)	+,-	radio, gray 16 pin plug, pins 6 - 14
RSE Video (+/-)	white/green - brown/violet (rear view camera)	+,-	radio, gray 10 pin plug, pins 1 - 6
RSE Audio Left (+/-)	green - gray	+,-	radio, gray 16 pin plug, pins 1 - 2
RSE Audio Right (+/-)	violet - yellow	+,-	radio, gray 16 pin plug, pins 9 - 10
Satellite Radio 12 Volts	blue/red	+	Sat Radio under ctr console, blk 12 pin plg, pin 9
Satellite Radio Ground	black/blue	-	Sat Radio under ctr console, blk 12 pin plg, pin 3
Satellite Radio Ignition	(MS CAN)		
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	green/orange - blue/brown	+,-	Satellite Radio, black 12 pin plug, pins 5 - 11
Satellite Audio Right (+/-)	violet/brown - yellow/blue	+,-	Satellite Radio, black 12 pin plug, pins 6 - 12

2010 Lincoln Navigator - North America



L I N C O L N

What Fits

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6 x 8		left front door
Left Front Tweeter			left front door
Right Front Speaker	6 x 8		right front door
Right Front Tweeter			right front door
Left Rear Speaker	6 x 8		left rear door
Left Rear Tweeter			left rear pillar
Right Rear Speaker	6 x 8		right rear door
Right Rear Tweeter			right rear pillar
Center Channel			top center of dash
Subwoofer	8		left rear quarter panel
Satellite Radio Tuner			under center console

2010 Lincoln Navigator - North America



L I N C O L N

Additional Wiring Notes

Item	Note
Center Channel (+/-)	On models with amplifier, the center left speaker wires are brown/purple - brown/green at the amplifier, gray 24 pin plug, pins 14 - 2. The center right speaker wires are green/white - blue/white at the amplifier, gray 14 pin plug, pins 14 - 7.
Left Front Speaker (+/-)	On models with amplifier, speaker wires are white - white/brown at the amplifier behind center dash, 14 pin plug, pins 13 - 6. On models with THX sound, the speaker wires are white - white/brown (woofer); green/orange - gray/orange (tweeter) at the amplifier behind center dash, gray 14 pin plug, pins 9 - 2; 11 - 4.
Left Rear Speaker (+/-)	On models with amplifier, speaker wires are white/green - brown/yellow at the amplifier behind center dash, 14 pin plug, pins 12 - 5. On models with THX sound, the speaker wires are green/brown - gray/brown at the amplifier behind center dash, gray 24 pin plug, pins 18 - 6.
Right Front Speaker (+/-)	On models with amplifier, speaker wires are white/purple - white/orange at the amplifier behind center dash, 14 pin plug, pins 11 - 4. On models with THX sound, the speaker wires are white/purple - white/orange (woofer); purple/orange - yellow/orange (tweeter) at the amplifier behind center dash, gray 14 pin plug, pins 8 - 1; 10 - 3.
Right Rear Speaker (+/-)	On models with amplifier, speaker wires are brown/white - brown/blue at the amplifier behind center dash, 14 pin plug, pins 10 - 3. On models with THX sound, the speaker wires are blue/white - purple/white at the amplifier behind center dash, gray 24 pin plug, pins 17 - 5.
Trunk/Hatch Release	On models with power liftgate, the open/close is gray/yellow (-) at the power liftgate switch on the dash or in the driver kick, harness to the rear.