

2013 Nissan Frontier



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	green (40A)	+	ignition switch, white 6 pin plug, pin 3 or driver kick
Second 12 Volts	N/A		
Starter	gray	+	ignition switch, white 6 pin plug, pin 2 or driver kick
Second Starter	N/A		
Ignition	white/green	+	ignition switch, white 6 pin plug, pin 1 or driver kick
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	red	+	ignition switch, white 6 pin plug, pin 4 or driver kick
Second Accessory	green/yellow	+	ignition switch, white 6 pin plug, pin 5 or driver kick
Third Accessory	N/A		
Key Sense	black	+	ign key sw or BCM right of steering column, white 40 pin plug, pin 37
Data Bus	gray (clock), brown (data)	data	NATS ant amp or BCM R of strng column, wh 40 pin plg, pins 21, 25
Can Bus High	blue	data	data lnk conn or BCM right of strng column, white 40 pin plug, pin 39
Can Bus Low	pink	data	data lnk conn or BCM right of strng column, white 40 pin plug, pin 40
Can Bus Sw	N/A		
Power Lock	purple	-	driver kick or BCM right of steering column, white 15 pin plug, pin 5
Power Unlock	lt. green	-	driver kick or BCM right of steering column, white 15 pin plug, pin 6
Lock Motor	purple	5 wire	driver kick or BCM right of steering column, black 15 pin plug, pin 10
Unlock Motor	gray	5 wire	driver kick or BCM right of steering column, black 15 pin plug, pin 4
Disarm Defeat	blue	5 wire	BCM right of steering column, black 15 pin plug, pin 11
Parking Lights (+)	red	+	electric brake pre-wiring near ign switch, white 6 pin plug, pin 4
Parking Lights (-)	N/A		
Hazards	green	-	BCM right of steering column, white 40 pin plug, pin 29
Turn Signal (Left)	lt. green	+	BCM right of steering column, black 15 pin plug, pin 5
Turn Signal (Right)	green	+	BCM right of steering column, black 15 pin plug, pin 6

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	pink (L), red (R)	+	headlights or underhood fuse box, brown 8 pin plug, pins 4, 6
AutoLights	gray	-	BCM right of strng column, wht 40 pin plug, pin 33
Reverse Light	lt. blue	+	pass side engine compartment, chassis harness to rear
Left Front Door Trigger	gray	-	BCM right of steering column, white 15 pin plug, pin 7
Right Front Door Trigger	lt. green	-	BCM right of strng column, wht 40 pin plug, pin 12
Left Rear Door Trigger	pink	-	BCM right of strng column, wht 15 pin plug, pin 8
Right Rear Door Trigger	blue	-	BCM right of strng column, wht 40 pin plug, pin 13
Dome Supervision	brown	-	BCM right of steering column, black 15 pin plug, pin 8
Trunk/Hatch Pin	N/A		
Rear Glass Pin	N/A		
Hood Pin	N/A		
Trunk Hatch/Release	N/A		
Trunk Release Motor	N/A		
Fuel Door Release	N/A		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	lt. blue (driver door key lock)	-	driver kick or BCM right of steering column, white 40 pin plug, pin 8
Factory Alarm Disarm	gray (driver door key unlock)	double -	driver kick or BCM right of steering column, white 40 pin plug, pin 7
Disarm No Unlock	see factory alarm disarm		
Trunk Alarm Shunt	N/A		
Tachometer	NOT white/green	ac	any fuel injector
Wait to Start	N/A		
Neutral Safety	orange (M/T)	-	Engine Cntrl Mod on pass fender, bk (I4) or gy (V6) 32 pin plug, pin 3
Clutch Pedal	white/green (input), red or blue (output)	+ N.O.	clutch switch, blue 2 pin plug, pins 1, 2
Fuel Pump	red	+	underhood fuse box, white 16 pin plug, pin 11
Rear Defroster	yellow	-	BCM right of steering column, white 15 pin plug, pin 1
Mirror Defroster	same as rear defroster		
Left Front Heated Seat	gray	5 wire	left front heated seat switch, white 6 pin plug, pin 2
Right Front Heated Seat	white	5 wire	right front heated seat switch, brown 6 pin plug, pin 2

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	lt. blue (except base audio)	8-Pulse	radio, white 20 pin plug, pin 18
Brake Wire	yellow or lt. green	+	brk sw or electric brk pre-wire near ignition sw, white 6 pin plug, pin 2
Parking Brake	green	-	parking brake switch or driver kick, harness to rear
Horn Trigger	brown or red	-	horn switch or driver kick, white 16 pin plug, pin 9
Wipers	gray (L), blue (H)	+	wiper motor or underhood fuse box, brn 12 pin plg, pins 8, 11
Left Front Window (Up/Down)	green/red - green/white	A	power window main switch, white 16 pin plug, pins 6 - 7
Right Front Window (Up/Down)	pink - lt. blue	A	driver kick, brown 12 pin plug, pins 6 - 1
Left Rear Window (Up/Down)	red - lt. green	A	driver kick, brown 12 pin plug, pins 11 - 12
Right Rear Window (Up/Down)	yellow - pink	A	driver kick, brown 12 pin plug, pins 5 - 4
Sun Roof (Open/Close)	red - lt. blue (function with ignition on only)	-	sunroof switch, white 3 pin plug, pins 1 - 3
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	yellow	+	radio, white 20 pin plug, pin 19
Radio Ground	(chassis, base audio); black (except base audio)	-	radio, white 20 pin plug, pin 20
Radio Ignition	green/black	+	radio, white 20 pin plug, pin 7
Radio Illumination	red (parking lights), gray (dimmer, except navi)	+,-	radio, white 20 pin plug, pins 9, 8
Factory Amp Turn-on	green/white	+	radio, white 20 pin plug, pin 1
Power Antenna	N/A		
Left Front Speaker (+/-)	brown - blue or white - black	+,-	radio, white 20 pin plug, pins 2 - 3
Right Front Speaker (+/-)	lt. green - red or yellow - red	+,-	radio, white 20 pin plug, pins 11 - 12
Left Rear Speaker (+/-)	green - black or pink - black/red	+,-	radio, white 20 pin plug, pins 4 - 5
Right Rear Speaker (+/-)	gray - orange, pink - white, or blue - black/white	+,-	radio, white 20 pin plug, pins 13 - 14
Center Channel (+/-)	N/A		
Subwoofer (+/-)	white - green (1); orange - brown (2)	+,-	amplifier under passenger seat, white 8 pin plug, pins 2 - 6; 3 - 7
Aux. Audio Input Left (+/-)	black - red	+,-	radio, white 24 pin plug, pins 10 - 11
Aux. Audio Input Right (+/-)	white - red	+,-	radio, white 24 pin plug, pins 12 - 11
RSE Video (+/-)	black - white (rear view camera)	+,-	radio, wh 32P plg, pins15-16; wh 24P plg, pin16-15
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	double DIN		center of dash
Left Front Speaker	6 x 9		left front door
Left Front Tweeter			left front dash
Right Front Speaker	6 x 9		right front door
Right Front Tweeter			right front dash
Left Rear Speaker	6.5		left rear door
Left Rear Tweeter			left rear door
Right Rear Speaker	6.5		right rear door
Right Rear Tweeter			right rear door
Center Channel	N/A		
Subwoofer			under driver side of rear seat
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner	(built into radio)		

Additional Wiring Notes

Item	Note
Speed Sense	On base models, can use green at the wheel speed sensor on driver fender well, under brake fluid reservoir.
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are brown - blue at the amplifier under passenger seat, white 24 pin plug, pins 11 - 23. The tweeter wires are yellow - gray at the amplifier, white 24 pin plug, pins 10 - 22.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are lt. green - red at the amplifier under passenger seat, white 24 pin plug, pins 12 - 24. The tweeter wires are white - pink at the amplifier, white 24 pin plug, pins 9 - 21.
Left Rear Speaker (+/-)	On models with amplifier, the speaker wires are green - black at the amplifier under passenger seat, white 24 pin plug, pins 7 - 19.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are gray - orange at the amplifier under passenger seat, white 24 pin plug, pins 8 - 20.
Dome Supervision	On models without power door locks, this wire does not go to the BCM, so use blue (-) in the driver kick, harness to rear.
Data Bus	The security light is green (-) at the BCM right of steering column, white 40 pin plug, pin 23.