2007 Nissan 350Z - North America

NISSAN *DirectWire* Vehicle Wiring Database

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	green (40A)	+	ignition switch, white 6 pin plug, pin 3
Starter	white/red	+	ignition switch, white 6 pin plug, pin 2
Second Starter	white/green	+	ignition switch, white 6 pin plug, pin 6
Ignition	black/red	+	ignition switch, white 6 pin plug, pin 1
Accessory	white/black	+	ignition switch, white 6 pin plug, pin 5
Keysense	black/red	+	key switch, brown 2 pin plug, pin 1
CAN Bus High	blue	data	data link connector, white 16 pin plug, pin 6
CAN Bus Low	pink	data	data link connector, white 16 pin plug, pin 14
CAN Bus High 2	blue	data	BCM in driver kick, white 40 pin plug, pin 39
CAN Bus Low 2	pink	data	BCM in driver kick, white 40 pin plug, pin 40
IMMO Data	brown	data	NATS Antenna Amp on ignition switch, white 4 pin plug, pin 4
IMMO Clock	green/white	data	NATS Antenna Amp on ignition switch, white 4 pin plug, pin 2
Security Light	green/orange	-	BCM in driver kick, white 40 pin plug, pin 23
Door Lock Data	purple/white to yellow	data	driver kick or BCM in driver kick, white 40 pin plug, pin 22
Power Lock	use factory alarm arm		
Power Unlock	use factory alarm disarm		
Lock Motor	purple	5 wire	driver kick or BCM in driver kick, black 15 pin plug, pin 10
Driver Unlock Motor	yellow	5 wire	driver kick or BCM in driver kick, black 15 pin plug, pin 4
Passenger Unlock Motor	gray to white/red	5 wire	passenger kick or BCM in driver kick, black 15 pin plug, pin 11
Factory Alarm Arm	black/red (driver door key lock)	-	power window main switch, white 16 pin plug, pin 6

2007 Nissan 350Z - North America

Item	Wire Color	Polarity	Wire Location
Factory Alarm Disarm	lt. blue (driver door key unlock)	double -	power window main switch, white 16 pin plug, pin 7
Disarm No Unlock	see factory alarm disarm		
Parking Lights (+)	red/blue	+	driver kick, harness to rear
Hazards	green/red	-	hazard switch, pin 2 or BCM in driver kick, white 40 pin plug, pin 29
Turn Signal (Left)	green/white	+	driver kick or BCM in driver kick, black 15 pin plug, pin 5
Turn Signal (Right)	pink to purple/white	+	driver kick or BCM in driver kick, black 15 pin plug, pin 6
Headlight	red/white (L), red/blue (R)	+	headlights or underhood fuse box, gray 16 pin plug, pins 14, 4
Reverse Light	orange to lt. green	+	driver kick, harness to rear
Left Front Door Trigger	blue	-	driver kick or BCM in driver kick, white 15 pin plug, pin 7
Right Front Door Trigger	pink	-	driver kick or BCM in driver kick, white 40 pin plug, pin 12
Dome Light	purple (coupe) or blue (roadster) to pink	-	driver A pillar or BCM in driver kick, black 15 pin plug, pin 8
Trunk/Hatch Pin	red/white	-	driver kick or BCM in driver kick, white 15 pin plug, pin 3 (cpe) or 2 (rdstr)
Trunk/Hatch Release	red/yellow to pink (coupe) or lt. blue to pink (roadster) (rear handle switch)	-	driver kick or BCM in driver kick, white 40 pin plug, pin 30
Trunk Release Motor	blue/red	5 wire	driver kick or BCM in driver kick, white 15 pin plug, pin 13
Fuel Door Release	blue/red	-	fuel lid opener switch, gray 6 pin plug, pin 1
Tachometer	yellow	ac	Power Steering Control Unit left of steering column, white 12 pin plug, pin 10
Clutch Pedal	gray/red	+	clutch switch, blue 2 pin plug, pin 2
Fuel Pump	black/yellow	+	driver kick, harness to rear

2007 Nissan 350Z - North America

Item	Wire Color	Polarity	Wire Location
Rear Defroster	blue/red	-	BCM in driver kick, white 40 pin plug, pin 9
Mirror Defroster	same as rear defroster		
Left Front Heated Seat	gray	5 wire	driver heated seat switch, white 6 pin plug, pin 2
Right Front Heated Seat	orange	5 wire	passenger heated seat switch, brown 6 pin plug, pin 2
Speed Sense	blue	2-Pulse	Power Steering Control Unit left of steering column, white 12 pin plug, pin 8
Brake Wire	pink/blue	+	brake pedal switch or driver kick, harness to rear
Parking Brake	purple/red to pink/black	-	parking brake switch or driver kick, harness to rear
Horn Trigger	green/black	-	horn switch, gray 8 pin plug, pin 2
Wipers	blue (L), blue/black (H)	+	wiper motor or underhood fuse box, gray 16 pin plug, pins 5, 15
Left Front Window (Up/Down)	use factory alarm arm/disarm		
Right Front Window (Up/Down)	see left front window		
Sun Roof (Open/Close)	blue/black or blue - red/green or red (soft top) (function with ignition on and brake pressed only)	-	soft top switch, white 6 pin plug, pins 3 - 4 or driver kick, harness to rear
Radio 12V	yellow	+	radio, white 10 pin plug, pin 6
Radio Ground	(chassis)		
Radio Ignition	lt. green	+	radio, white 10 pin plug, pin 10
Radio Illumination	red/blue (parking lights), red/yellow (dimmer)	+,-	radio, white 10 pin plug, pins 8 and 7
Factory Amp Turn-on	green/yellow	+	radio, white 6 pin plug, pin 2
Power Antenna	green/white	+	radio, white 10 pin plug, pin 5
Left Front Speaker (+/-)	blue/red - black/white or white - black	+,-	radio, white 10 pin plug, pins 2 and 1
Right Front Speaker (+/-)	yellow/red - red/white or green - red	+,-	radio, white 10 pin plug, pins 4 and 3
Left Rear Speaker (+/-)	lt. green/red - black/yellow or brown - black/red	+,-	radio, white 6 pin plug, pins 4 and 3

2007 Nissan 350Z - North America

Item	Wire Color	Polarity	Wire Location
Right Rear Speaker (+/-)	blue/orange - black/pink or blue - pink	+,-	radio, white 6 pin plug, pins 6 and 5
Subwoofer (+/-)	white - orange	+,-	amplifier in driver side of trunk, gray 8 pin plug, pins 6 and 2
Satellite Radio 12 Volts	brown/yellow	+	Satellite Radio Tuner in driver side of trunk, white 16 pin plug, pin 12
Satellite Radio Ground	(chassis)		
Satellite Radio Ignition	pink/black	+	Satellite Radio Tuner in driver side of trunk, white 16 pin plug, pin 16
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	red - green	+,-	Satellite Radio Tuner in driver side of trunk, white 16 pin plg, pins 2, 1
Satellite Audio Right (+/-)	black/white	+,-	Satellite Radio Tuner in driver side of trunk, white 16 pin plg, pins 4, 3

What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6.5		left front door
Left Front Tweeter			left front door
Right Front Speaker	6.5		right front door
Right Front Tweeter			right front door
Left Rear Speaker	6.5		left rear panel behind seat
Right Rear Speaker	6.5		right rear panel behind seat
Subwoofer	10		behind driver seat
Satellite Radio Tuner			driver side of trunk

Additional Wiring Notes

Item	Note
Left Front Speaker (+/-)	If equipped, the amplifier is in the driver side of the trunk. On vehicles with amplifier, the speaker wires are black/white - white/green at the amplifier, black 24 pin plug, pins 9 and 10.
Left Rear Speaker (+/-)	If equipped, the amplifier is in the driver side of the trunk. On vehicles with amplifier, the speaker wires are white/red - orange/black at the amplifier, black 24 pin plug, pins 5 and 6.
Right Front Speaker (+/-)	If equipped, the amplifier is in the driver side of the trunk. On vehicles with amplifier, the speaker wires are brown - black/red at the amplifier, black 24 pin plug, pins 11 and 12.
Right Rear Speaker (+/-)	If equipped, the amplifier is in the driver side of the trunk. On vehicles with amplifier, the speaker wires are gray/red - gray at the amplifier, black 24 pin plug, pins 7 and 8.