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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	blue/red to red (40A)	+	ignition switch, white 6 pin plug, pin 1
Ground	(chassis ground)		
Starter	blue	+	ignition switch, white 6 pin plug, pin 2
Second Starter	pink	+	ignition switch, white 6 pin plug, pin 4
Ignition	black	+	ignition switch, white 6 pin plug, pin 3
Accessory	white	+	ignition switch, white 6 pin plug, pin 5
Ignition Interrupt	white	cut	Intelligent Key Unit under driver dash, white 40 pin plug, pin 6
Keysense	black/white (required)	+	key/knob switch, gray 6 pin plug, pin 4
Ignition Knob Push Switch	blue/white	+	key/knob switch, gray 6 pin plug, pin 2
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/black	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	orange (power window switch communication)	data	BCM in driver kick, white 40 pin plug, pin 22
Power Lock	(use factory alarm arm)		
Power Unlock	(use factory alarm disarm)		
Lock Motor	violet	5 wire	BCM in driver kick, black 15 pin plug, pin 10
Driver Unlock Motor	yellow	5 wire	BCM in driver kick, black 15 pin plug, pin 4
Passenger Unlock Motor	white/black	5 wire	BCM in driver kick, black 15 pin plug, pin 11

2006 Infiniti FX35(SmartKey) - Requested by: ampire.de


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Factory Alarm Arm	(insert pin)	-	BCM in driver kick, white 40 pin plug, pin 8
Factory Alarm Disarm	(insert pin)	-	BCM in driver kick, white 40 pin plug, pin 7
Factory Alarm Arm2	pink (driver door key lock) (use this if not inserting pin to BCM)	-	power window main switch, white 16 pin plug, pin 4
Factory Alarm Disarm2	orange (driver door key unlock) (use this if not inserting pin to BCM)	double -	power window main switch, white 16 pin plug, pin 6
Parking Lights	white	+	above driver kick, white 12 pin plug, pin 2
Hazards	green/yellow	-	BCM in driver kick, white 40 pin plug, pin 29
Turn Signal (Left)	green/white	+	BCM in driver kick, black 15 pin plug, pin 5
Turn Signal (Right)	brown/white	+	BCM in driver kick, black 15 pin plug, pin 6
Headlight	gray (L); lt. green (R)	+	underhood fuse box, gray 16 pin plug, pins 14, 4
AutoLights	green	-	BCM in driver kick, white 40 pin plug, pin 33
Reverse Light	lt. green	+	above driver kick, white 12 pin plug, pin 8
Left Front Door Trigger	white	-	BCM in driver kick, white 15 pin plug, pin 7
Right Front Door Trigger	pink/black	-	BCM in driver kick, white 40 pin plug, pin 12
Left Rear Door Trigger	pink	-	BCM in driver kick, white 15 pin plug, pin 8
Right Rear Door Trigger	pink/blue	-	BCM in driver kick, white 40 pin plug, pin 13
Dome Light	violet/white	-	BCM in driver kick, black 15 pin plug, pin 8
Trunk/Hatch Pin	blue	-	BCM in driver kick, white 15 pin plug, pin 3
Hood Pin	lt. green	-	hood switch or underhood fuse box, white 16 pin plug, pin 12
Trunk/Hatch Release	lt. green (rear handle switch)	-	driver kick, harness to rear
Fuel Door Release	(unlocks along with driver door)		
Tachometer	NOT red	ac	any fuel injector, gray 2 pin plug, pin 2
Fuel Pump	white	+	above driver kick, white 6 pin plug, pin 4

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Item	Wire Color	Polarity	Wire Location
Rear Defroster	blue/white	-	BCM in driver kick, white 40 pin plug, pin 9
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	gray/blue	5 wire	driver heated seat switch, white 6 pin plug, pin 4
Right Front Heated Seat	red	5 wire	passenger heated seat switch, brown 6 pin plug, pin 4
Speed Sense	white/blue	2-Pulse	radio, white 16 pin plug, pin 1
Brake Wire	pink	+	brake switch, white 4 pin plug, pin 4
Parking Brake	blue	-	parking brake switch, white 1 pin plug, pin 1
Horn Trigger	lt. blue	-	junction connector right of steering column, white 80 pin plug, pin 17
Wipers	pink (LO); violet (HI)	+	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)		
Left Rear Window (Up/Down)	(see left front window)		
Right Rear Window (Up/Down)	(see left front window)		
Sun Roof (Open/Close)	lt. green - brown (function with ignition on only)	-	sunroof switch, white 3 pin plug, pins 1 - 3
Memory Seat 1	pink	-	driver kick, harness to rear
Memory Seat 2	lt. green	-	driver kick, harness to rear
Radio 12V	white/blue	+	radio harness
Radio Ground	(chassis)		
Radio Ignition	lt. green/red	+	radio harness
Radio Illumination	red/blue	+	A/C and AV switch harness
Factory Amp Turn-on	green/white	+	radio harness or amplifier on R side cargo floor
Power Antenna	red/white	+	radio harness
Left Front Speaker (+/-)	white - black or blue - black/white	+,-	radio harness
Right Front Speaker (+/-)	green - red or green/black - black/red	+,-	radio harness



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Left Rear Speaker (+/-)	brown - yellow or blue/white - black/yellow	+,-	radio harness
Right Rear Speaker (+/-)	blue - pink or red/green - blue/black	+,-	radio harness



What Fits

Item	Size	Depth	Location
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