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**2011 Lexus GX 460***Remote Start, Security, Keyless Entry, Accessories*

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	black (140A)	+	dash fuse box, white 1 pin plug (2K), pin 1
<b>Second 12 Volts</b>	N/A		
<b>Starter</b>	lt. green (SS1), red (SS2)	-	Engine Switch, black 14 pin plug, pins 7 and 2
<b>Second Starter</b>	black	+	Power Management Control ECU, white 30 pin plug, pin 3
<b>Ignition</b>	blue	+	driver kick, white 64 pin plug, pin 3
<b>Second Ignition</b>	purple	+	dash fuse box, rear, white 56 pin plug (2A), pin 52
<b>Third Ignition</b>	N/A		
<b>Accessory</b>	red	+	dash fuse box, rear, white 56 pin plug (2A), pin 48
<b>Second Accessory</b>	N/A		
<b>Third Accessory</b>	N/A		
<b>Keysense</b>	N/A		
<b>Data Bus</b>	purple (RX), white (TX)	data	Engine Switch, black 14 pin plug, pins 10 and 9
<b>Can Bus High</b>	red (HS-CAN)	data	data link connector, white 16 pin plug, pin 6
<b>Can Bus Low</b>	white (HS-CAN)	data	data link connector, white 16 pin plug, pin 14
<b>Can Bus Sw</b>	N/A		
<b>Power Lock</b>	gray (passenger door lock switch)	-	Body ECU, white 30 pin plug, pin 9
<b>Power Unlock</b>	lt. green (passenger door lock switch)	-	Body ECU, white 30 pin plug, pin 10
<b>Lock Motor</b>	blue	5 wire	driver kick, black 12 pin plug, pin 8
<b>Driver Unlock Motor</b>	green	5 wire	driver kick, black 12 pin plug, pin 9
<b>Passenger Unlock Motor</b>	white	5 wire	dash fuse box, white 36 pin plug (2H), pin 10
<b>Parking Lights (-)</b>	white	-	Body ECU, white 30 pin plug, pin 30
<b>Parking Lights (+)</b>	lt. green	+	dash fuse box, white 36 pin plug (2H), pin 16
<b>Hazards</b>	white	-	Body ECU, white 30 pin plug, pin 3
<b>Turn Signal (Left)</b>	yellow	+	dash fuse box, white 36 pin plug (2H), pin 15
<b>Turn Signal (Right)</b>	green	+	dash fuse box, white 36 pin plug (2H), pin 14
<b>Headlight</b>	lt. blue	-	Body ECU, white 30 pin plug, pin 29
<b>AutoLights</b>	white (interrupt to turn off autolights)	-	Body ECU, white 30 pin plug, pin 28
<b>Reverse Light</b>	red	+	dash fuse box, white 36 pin plug (2H), pin 4
<b>Left Front Door Trigger</b>	red	-	dash fuse box, white 36 pin plug (2H), pin 27
<b>Right Front Door Trigger</b>	black	-	dash fuse box, rear, white 40 pin plug (2D), pin 15
<b>Left Rear Door Trigger</b>	purple	-	Body ECU, white 18 pin plug, pin 3
<b>Right Rear Door Trigger</b>	red	-	Body ECU, white 30 pin plug, pin 6

*Remote Start, Security, Keyless Entry, Accessories (Continued)*

Item	Wire Color	Polarity	Wire Location
Dome Supervision	green	-	dash fuse box, rear, white 40 pin plug (2D), pin 18
Trunk/Hatch Pin	green	-	Body ECU, white 30 pin plug, pin 19
Rear Glass Pin	purple	-	Body ECU, white 30 pin plug, pin 1
Hood Pin	black	-	dash fuse box, white 40 pin plug (2F), pin 23
Trunk/Hatch Release	lt. green (glass hatch) (rear handle switch)	-	Body ECU, white 28 pin plug, pin 17
Trunk Release Motor	black (glass hatch)	5 wire	dash fuse box, white 36 pin plug (2H), pin 9
Fuel Door Release	blue	-	fuel lid opener switch, black 8 pin plug, pin 6
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	gray (driver door key cylinder)	-	Body ECU, white 30 pin plug, pin 11
Factory Alarm Disarm	lt. green (driver door key cylinder)	double -	Body ECU, white 30 pin plug, pin 24
Disarm No Unlock	Smart Key and ignition		
Trunk Alarm Shunt	N/A		
Tachometer	pink	ac	data link connector, white 16 pin plug, pin 9
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	N/A		
Fuel Pump	red	+	driver kick, gray 14 pin plug, pin 12
Rear Defroster	pink	- latched	driver kick, white 48 pin plug, pin 40
Mirror Defroster	(MS-CAN)		
Left Front Heated Seat	white	+	LH seat heater switch, black 12 pin plug, pin 2
Right Front Heated Seat	red	+	RH seat heater switch, black 12 pin plug, pin 5
Speed Sense	red	ac	driver kick, white 67 pin plug, pin 21
Brake Wire	purple	+	driver kick, white 48 pin plug, pin 39
Parking Brake	lt. green	-	dash fuse box, white 40 pin plug (2F), pin 18
Horn Trigger	green	-	dash fuse box, white 40 pin plug (2F), pin 29
Wipers	black (low), red (high), green (ignition)	+	wiper switch, white 18 pin plug, pins 8, 9, and 17
Left Front Window (Up/Down)	pink - black (function with ignition on only)	-	master power window switch, white 20 pin plug, pins 20 and 15
Right Front Window (Up/Down)	blue - black (function with ignition on only)	-	right front power window switch, white 12 pin plug, pins 2 and 10
Left Rear Window (Up/Down)	blue - black (function with ignition on only)	-	left rear power window switch, white 12 pin plug, pins 2 and 10
Right Rear Window (Up/Down)	blue - black (function with ignition on only)	-	right rear power window switch, white 12 pin plug, pins 2 and 10
Sun Roof (Open/Close)	lt. green - black (function with ignition on only)	-	map light assembly, white 28 pin plug, pins 27 and 28
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	lt. blue	-	seat memory switch, blue 4 pin plug, pin 3
Memory Seat 2	purple	-	seat memory switch, blue 4 pin plug, pin 4
Memory Seat 3	N/A		

### Audio

Item	Wire Color	Polarity	Wire Location
Radio 12V	lt. blue	+	radio, white 20 pin plug, pin 1 or white 28 pin plug, pin 14
Radio Ground	brown	-	radio, white 20 pin plug, pin 20 or white 28 pin plug, pin 15
Radio Ignition	gray	+	radio, white 20 pin plug, pin 11
Radio Illumination	green (parking lights), white/black (dimmer)	+,-	radio, white 20 pin plug, pins 2, 12 or white 28 pin plug, pins 3, 17
Factory Amp Turn-on	N/A		

<b>Power Antenna</b>	N/A		
<b>Left Front Speaker (+/-)</b>	pink - purple (low); pink - purple (mid and high)	+, -	amplifier, white 12 pin plug, pins 3, 8; white 10 pin plug, pins 1, 5
<b>Right Front Speaker (+/-)</b>	lt grn - blue (low); lt grn - blue (mid and high)	+, -	amplifier, white 12 pin plug, pins 10, 9; white 10 pin plug, pins 2, 6
<b>Left Rear Speaker (+/-)</b>	black - yellow	+, -	amplifier, white 12 pin plug, pins 4 and 11
<b>Right Rear Speaker (+/-)</b>	red - white	+, -	amplifier, white 12 pin plug, pins 5 and 12
<b>Center Channel (+/-)</b>	yellow - black	+, -	amplifier, white 10 pin plug, pins 8 and 7
<b>Subwoofer (+/-)</b>	black - white	+, -	amplifier, white 10 pin plug, pins 1 and 2
<b>Aux. Audio Input Left (+/-)</b>	black - red	+, -	radio, white 20 pin plug, pins 17 and 16
<b>Aux. Audio Input Right (+/-)</b>	white - red	+, -	radio, white 20 pin plug, pins 15 and 16
<b>RSE Video (+/-)</b>	green - red (rear displays)	+, -	display and navi mod, wht 22 pin plug, pins 4, 14
<b>RSE Audio Left (+/-)</b>	red - green (multi-media audio)	+, -	radio, white 12 pin plug, pins 4 and 5
<b>RSE Audio Right (+/-)</b>	white - black (multi-media audio)	+, -	radio, white 12 pin plug, pins 2 and 3
<b>Satellite Radio 12 Volts</b>	N/A		
<b>Satellite Radio Ground</b>	N/A		
<b>Satellite Radio Ignition</b>	N/A		
<b>Satellite Radio Antenna</b>	N/A		
<b>Satellite Audio Left (+/-)</b>	N/A		
<b>Satellite Audio Right (+/-)</b>	N/A		

#### *What Fits*

Item	Size	Depth	Location
<b>Headunit</b>	irregular		center of dash
<b>Left Front Speaker</b>	6 x 9		left front door
<b>Left Front Tweeter</b>	1.0 (tweeter); 2.6 or 3.5 (midrange)		left front pillar; left front dash
<b>Right Front Speaker</b>	6 x 9		right front door
<b>Right Front Tweeter</b>	1.0 (tweeter); 2.6 or 3.5 (midrange)		right front pillar; right front dash
<b>Left Rear Speaker</b>	6.3		left rear door
<b>Left Rear Tweeter</b>	1.0 (tweeter); 3.5 (surround)		left rear door; left rear pillar
<b>Right Rear Speaker</b>	6.3		right rear door
<b>Right Rear Tweeter</b>	1.0 (tweeter); 3.5 (surround)		right rear door; right rear pillar
<b>Center Channel</b>	2.6 or 3.5		top center of dash
<b>Subwoofer</b>	9.8		left rear quarter panel
<b>Left Front Headrest</b>			
<b>Right Front Headrest</b>			
<b>Left Rear Headrest</b>			
<b>Right Rear Headrest</b>			
<b>Satellite Radio Tuner</b>	(built into radio)		

#### *Wiring Notes: Second Starter*

##### **Notes:**

The Power Management Control ECU is behind the glove box.

#### *Wiring Notes: Data Bus*

##### **Notes:**

The security light is green at the dash fuse box, rear, white 40 pin plug (2D), pin 34. The IMO - IMI wires are lt. blue - white at the Engine Control Module, white 36 pin plug (G45, bottom plug), pins 20 and 14. The Engine Control Module is behind the glove box.

#### *Wiring Notes: Power Lock*

##### **Notes:**

The Body ECU is under the driver dash, attached to the right side of the dash fuse box. This wire is only needed if the door locks do not function with the aftermarket system while the vehicle is running. All other times just use the factory alarm arm wire.

#### *Wiring Notes: Power Unlock*

##### **Notes:**

The Body ECU is under the driver dash, attached to the right side of the dash fuse box. This wire is only needed if the door locks do not function with the aftermarket system while the vehicle is running. All other times just use the factory alarm disarm wire.

#### *Wiring Notes: Parking Lights (-)*

##### **Notes:**

The Body ECU is under the driver dash, attached to the right side of the dash fuse box.

#### *Wiring Notes: Hazards*

##### **Notes:**

The Body ECU is under the driver dash, attached to the right side of the dash fuse box.

#### *Wiring Notes: Headlight*

##### **Notes:**

The Body ECU is under the driver dash, attached to the right side of the dash fuse box.

#### *Wiring Notes: AutoLights*

##### **Notes:**

The Body ECU is under the driver dash, attached to the right side of the dash fuse box.

#### *Wiring Notes: Left Rear Door Trigger*

##### **Notes:**

The Body ECU is under the driver dash, attached to the right side of the dash fuse box.

#### *Wiring Notes: Right Rear Door Trigger*

**Notes:**

The Body ECU is under the driver dash, attached to the right side of the dash fuse box.

*Wiring Notes: Trunk/Hatch Pin***Notes:**

The Body ECU is under the driver dash, attached to the right side of the dash fuse box.

*Wiring Notes: Rear Glass Pin***Notes:**

The Body ECU is under the driver dash, attached to the right side of the dash fuse box.

*Wiring Notes: Trunk/Hatch Release***Notes:**

The Body ECU is under the driver dash, attached to the right side of the dash fuse box.

*Wiring Notes: Factory Alarm Arm***Notes:**

The Body ECU is under the driver dash, attached to the right side of the dash fuse box.

*Wiring Notes: Factory Alarm Disarm***Notes:**

The Body ECU is under the driver dash, attached to the right side of the dash fuse box.

*Wiring Notes: Speed Sense***Notes:**

Also found at the radio, white 20 pin plug, pin 3 (without navigation), or the display and navigation module, white 26 pin plug, pin 18 (with navigation).

*Wiring Notes: Radio Ignition***Notes:**

On vehicles with navigation, it is at the display and navigation module, white 26 pin plug, pin 2.

*Wiring Notes: Left Front Speaker (+/-)*

**Notes:**

The amplifier is under the passenger seat (9 speaker system), or in the left rear quarter panel (17 speaker system). On 17 speaker systems, the mid and high wires are pink - purple at the amplifier, white 10 pin plug, pins 3 and 9.

*Wiring Notes: Right Front Speaker (+/-)***Notes:**

The amplifier is under the passenger seat (9 speaker system), or in the left rear quarter panel (17 speaker system). On 17 speaker systems, the mid and high wires are red - white at the amplifier, white 10 pin plug, pins 4 and 10.

*Wiring Notes: Left Rear Speaker (+/-)***Notes:**

The amplifier is under the passenger seat (9 speaker system), or in the left rear quarter panel (17 speaker system). On 17 speaker systems, the surround wires are lt. green - blue at the amplifier, white 12 pin plug, pins 1 and 6.

*Wiring Notes: Right Rear Speaker (+/-)***Notes:**

The amplifier is under the passenger seat (9 speaker system), or in the left rear quarter panel (17 speaker system). On 17 speaker systems, the surround wires are black - yellow at the amplifier, white 12 pin plug, pins 2 and 7.

*Wiring Notes: Center Channel (+/-)***Notes:**

The amplifier is under the passenger seat (9 speaker system), or in the left rear quarter panel (17 speaker system).

*Wiring Notes: Subwoofer (+/-)***Notes:**

The amplifier is under the passenger seat (9 speaker system), or in the left rear quarter panel (17 speaker system).

*Wiring Notes: Aux. Audio Input Left (+/-)***Notes:**

On vehicles with navigation, they are at the radio, white 28 pin plug, pins 20 and 21.

*Wiring Notes: Aux. Audio Input Right (+/-)***Notes:**

On vehicles with navigation, they are at the radio, white 28 pin plug, pins 19 and 21.

*Wiring Notes: RSE Video (+/-)*

**Notes:**

The rear view camera wires are red - white at the display and navigation module, white 22 pin plug, pins 5 and 16.

*Wiring Notes: RSE Audio Left (+/-)*

**Notes:**

On vehicles with navigation, the multi-media audio wires are black - red at the display and navigation module, white 8 pin plug, pins 4 and 7.

*Wiring Notes: RSE Audio Right (+/-)*

**Notes:**

On vehicles with navigation, the multi-media audio wires are white - red at the display and navigation module, white 8 pin plug, pins 3 and 7.



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