

2009 Land Rover Range Rover Sport

*Remote Start, Security, Keyless Entry, Accessories*

Item	Wire Color	Polarity	Wire Location
12 Volts	brown (30A)	+	ignition switch, black 7 pin plug, pin 4
Second 12 Volts	N/A		
Starter	white/red	+	ignition switch, black 7 pin plug, pin 7
Second Starter	N/A		
Ignition	yellow	+	ignition switch, black 7 pin plug, pin 1
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	white	+	ignition switch, black 7 pin plug, pin 6
Second Accessory	N/A		
Third Accessory	N/A		
Keysense	lt. green/white	+	ignition switch, black 7 pin plug, pin 5
Data Bus	N/A		
Can Bus High	yellow/white (MS CAN), yellow/brown (HS CAN)	data	diagnostic socket, black 16 pin plug, pins 3 and 6
Can Bus Low	yellow/blue (MS CAN), yellow/black (HS CAN)	data	diagnostic socket, black 16 pin plug, pins 11 and 14
Can Bus Sw	N/A		
Power Lock	pink/red	-	CJB, green 30 pin plug, pin 27
Power Unlock	yellow/pink	-	CJB, green 30 pin plug, pin 20
Lock Motor	black/red	5 wire	CJB, brown 46 pin plug, pin 27
Driver Unlock Motor	black/green	5 wire	CJB, brown 46 pin plug, pin 36
Passenger Unlock Motor	black/green	5 wire	CJB, brown 46 pin plug, pin 26
Parking Lights (-)	N/A		
Parking Lights (+)	red or red/white	+	CJB, green 30 pin plug, pin 24
Hazards	lt. green/red	-	CJB, green 30 pin plug, pin 19
Turn Signal (Left)	green/red	+	CJB, brown 46 pin plug, pin 4
Turn Signal (Right)	green/white	+	CJB, brown 46 pin plug, pin 2
Headlight	yellow	+	CJB, green 30 pin plug, pin 25
AutoLights	red (interrupt to turn off autolights)	+	CJB, green 30 pin plug, pin 26
Reverse Light	green/brown	+	CJB, brown 46 pin plug, pin 41
Left Front Door Trigger	black/brown	-	CJB, rear, brown 32 pin plug, pin 9
Right Front Door Trigger	black/blue	-	CJB, rear, brown 32 pin plug, pin 8
Left Rear Door Trigger	purple/lt. green	-	CJB, rear, brown 32 pin plug, pin 7
Right Rear Door Trigger	purple/lt. green	-	CJB, rear, brown 32 pin plug, pin 6

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

Item	Wire Color	Polarity	Wire Location
Dome Supervision	purple (dome lamps); purple (puddle lamps)	+	CJB, brown 46 pin plug, pin 3; blue 46 pin plug, pin 35
Trunk/Hatch Pin	black/red	-	CJB, rear, brown 32 pin plug, pin 10
Rear Glass Pin	same as trunk/hatch pin		
Hood Pin	purple/orange	-	CJB, rear, green 32 pin plug, pin 15
Trunk/Hatch Release	pink/gray (liftgate glass); black/gray (liftgate)	-	CJB, green 30 pin plug, pin 4; rear, brown 32 pin plug, pin 15
Trunk Release Motor	black/pur (liftgate glass); black/pur (liftgate)	5 wire	CJB, rear, brown 32 pin plug, pin 30; brown 46 pin plug, pin 1
Fuel Door Release	pink/purple	5 wire	CJB, blue 46 pin plug, pin 2
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	factory remote only		
Factory Alarm Disarm	factory remote only		
Disarm No Unlock	Transponder and ignition		
Trunk Alarm Shunt	N/A		
Tachometer	NOT brown/red (gas), NOT green/stripes (diesel)	ac	any fuel injector
Wait to Start	black/yellow	-	Engine Junction Box, black 194 pin plug, pin 76
Neutral Safety	N/A		
Clutch Pedal	N/A		
Fuel Pump	brown/black	+	Engine Junction Box, black 194 pin plug, pin 119
Rear Defroster	brown/purple	+ latched	CJB, brown 46 pin plug, pin 23
Mirror Defroster	brown/purple	+ latched	driver or passenger kick, door harness
Left Front Heated Seat	blue/gray	5 wire	Climate Control Module, white 6 pin plug, pin 3
Right Front Heated Seat	blue/pink	5 wire	Climate Control Module, white 6 pin plug, pin 6
Speed Sense	green (with navigation only)	ac	ABS Module, black 46 pin plug, pin 33
Brake Wire	green/purple (functions with ignition on only)	+	CJB, rear, brown 32 pin plug, pin 24
Parking Brake	(electric parking brake)		
Horn Trigger	purple/orange	-	CJB, green 30 pin plug, pin 23
Wipers	red	-	CJB, rear, green 32 pin plug, pin 32
Left Front Window (Up/Down)	gray/black (global open-close)		CJB, rear, brown 32 pin plug, pin 28
Right Front Window (Up/Down)	see left front window		
Left Rear Window (Up/Down)	gray/red - gray/orange	A	driver kick, door harness
Right Rear Window (Up/Down)	gray/red - gray/orange	A	driver kick, door harness
Sun Roof (Open/Close)	grn/wht - org/yel (functions with ignition on only)	-	sun roof switch
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	white	-	driver seat switch pack
Memory Seat 2	blue	-	driver seat switch pack
Memory Seat 3	red/blue	-	driver seat switch pack

<i>Audio</i>			
Item	Wire Color	Polarity	Wire Location
Radio 12V	purple or purple/blue	+	radio, black 20 pin plug, pin 11
Radio Ground	black	-	radio, black 20 pin plug, pin 1
Radio Ignition	(CAN bus)		
Radio Illumination	(CAN bus)		
Factory Amp Turn-on	(MOST bus)		
Power Antenna	blue	+	radio, black 20 pin plug, pin 12
Left Front Speaker (+/-)	green - green/white	+,-	radio, black 20 pin plug, pins 14 and 13
Right Front Speaker (+/-)	green - green/white	+,-	radio, black 20 pin plug, pins 16 and 15
Left Rear Speaker (+/-)	green - green/white	+,-	radio, black 20 pin plug, pins 3 and 4
Right Rear Speaker (+/-)	green - green/white	+,-	radio, black 20 pin plug, pins 5 and 6
Center Channel (+/-)	green - green/white (with surround)	+,-	amplifier, gray 20 pin plug, pins 13 and 3
Subwoofer (+/-)	green - green/white (1), green - green/white (2)	+,-	amplifier, green 16 pin plug, pins 15 and 7 (1), 16 and 8 (2)
Aux. Audio Input Left (+/-)	red - (shield)	+,-	radio, black 12 pin plug, pins 8 and 6
Aux. Audio Input Right (+/-)	blue - (shield)	+,-	radio, black 12 pin plug, pins 7 and 6
RSE Video (+/-)	blue/green - (shield) (Harman Kardon)	+,-	DVD Module, plug (C2494), pins 11 and 10
RSE Audio Left (+/-)	purple - blue	+,-	DVD Module, plug (C2494), pins 13 and 8
RSE Audio Right (+/-)	brown - blue	+,-	DVD Module, plug (C2494), pins 12 and 8
Satellite Radio 12 Volts	blue	+	Satellite Radio Tuner, 2 pin plug, pin 1
Satellite Radio Ground	black	-	Satellite Radio Tuner, 2 pin plug, pin 2
Satellite Radio Ignition	(MOST bus)		
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	(MOST bus)		
Satellite Audio Right (+/-)	(MOST bus)		

<i>What Fits</i>			
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 door
Left Rear Tweeter			left rear door (tweeter), rear pillar (surround)
Right Rear Speaker	6.5		right rear door
Right Rear Tweeter			right rear door (tweeter), rear pillar (surround)
Center Channel			top center of dash
Subwoofer			liftgate
Left Front Headrest			
Right Front Headrest			
Left Rear Headrest			
Right Rear Headrest			
Satellite Radio Tuner			right rear quarter panel

*Wiring Notes: Power Lock***Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

*Wiring Notes: Power Unlock***Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

*Wiring Notes: Lock Motor***Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

*Wiring Notes: Driver Unlock Motor***Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

*Wiring Notes: Passenger Unlock Motor***Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

*Wiring Notes: Parking Lights (+)***Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

Wiring Notes: Hazards**Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

Wiring Notes: Turn Signal (Left)**Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

Wiring Notes: Turn Signal (Right)**Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

Wiring Notes: Headlight**Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

Wiring Notes: AutoLights**Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

Wiring Notes: Reverse Light**Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

*Wiring Notes: Left Front Door Trigger***Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

*Wiring Notes: Right Front Door Trigger***Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

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

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

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

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

*Wiring Notes: Dome Supervision***Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

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

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

*Wiring Notes: Hood Pin***Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

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

The CJB (Central Junction Box) is under the passenger dash, behind the glove box. Meter these wires while opening the liftgate glass and liftgate from the handles on the rear of the vehicle.

*Wiring Notes: Trunk Release Motor***Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

*Wiring Notes: Fuel Door Release***Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

*Wiring Notes: Rear Defroster***Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

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

The ABS Module is in the left rear corner of the engine compartment. Also found at the Navigation System Module under the driver seat, black 32 pin plug, pin 21.

Wiring Notes: Brake Wire**Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

Wiring Notes: Horn Trigger**Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

Wiring Notes: Wipers**Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

Wiring Notes: Left Front Window (Up/Down)**Notes:**

The CJB (Central Junction Box) is under the passenger dash, behind the glove box.

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

If equipped, the amplifier is under the passenger seat. On vehicles with amplifier, the speaker wires are green - green/white at the amplifier, green 16 pin plug, pins 13 and 5 (without surround), or pins 11 and 3 (with surround). The tweeter wires are green - green/white at the amplifier, gray 20 pin plug, pins 11 and 1 (with surround).

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

If equipped, the amplifier is under the passenger seat. On vehicles with amplifier, the speaker wires are green - green/white at the amplifier, green 16 pin plug, pins 14 and 6 (without surround), or pins 12 and 4 (with surround). The tweeter wires are green - green/white at the amplifier, gray 20 pin plug, pins 12 and 2 (with surround).

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

If equipped, the amplifier is under the passenger seat. On vehicles with amplifier, the speaker wires are green - green/white at the amplifier, green 16 pin plug, pins 9 and 1. The surround speaker wires are green - green/white at the amplifier, green 16 pin plug, pins 13 and 5 (with surround).

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

If equipped, the amplifier is under the passenger seat. On vehicles with amplifier, the speaker wires are green - green/white at the amplifier, green 16 pin plug, pins 10 and 2. The surround speaker wires are green - green/white at the amplifier, green 16 pin plug, pins 14 and 6 (with surround).

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

If equipped, the amplifier is under the passenger seat.

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

If equipped, the amplifier is under the passenger seat.

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

On vehicles without Harman Kardon systems, they are orange - yellow at the DVD Module, plug (C2494), pins 7 and 6.

Wiring Notes: Satellite Radio 12 Volts**Notes:**

If equipped, the Satellite Radio Tuner is in the right rear quarter panel.



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