2007 Jeep Commander

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	lt. blue/red (20A)	+	ignition harness
Second 12 Volts			
Starter	pink/orange	+	ignition harness
Second Starter	purple/brown	-	ignition harness
Ignition	pink/lt. green	+	ignition harness
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	same as second starter wire		
Second Accessory	N/A		
Third Accessory			
Key Sense	same as second starter wire		
Data Bus			
Can Bus High	white/orange (CAN B bus)	data	Sentry Key Remote Entry Module, 8 pin plug, pin 6
Can Bus Low	white (CAN B bus)	data	Sentry Key Remote Entry Module, 8 pin plug, pin 7
Can Bus Sw			
Power Lock	purple/dk. green	-	driver door module in door
Power Unlock	same as power lock wire		
Lock Motor	lt. green/lt. blue	5wi	plug above fuses, pin 36
Unlock Motor	lt. green/dk. green	5wi	plug above fuses, pin 35
Disarm Defeat	lt. green/tan	5wi	plug above fuses, pin 34
Parking Lights (+)	do not use, relay rests at gnd		
Parking Lights (-)	(CAN data bus) (use hazards)		
Hazards	white/dk. blue	-	SCM, 16 pin plug, pin 16
Turn Signal (Left)	use hazards wire		
Turn Signal (Right)	use hazards wire		

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	(CAN data bus)		
AutoLights			
Reverse Light	white/lt. green	+	driver kick, harness to rear or IPM , conn. 2, pin 2
Left Front Door Trigger	purple	-	driver door module in door
Right Front Door Trigger	purple/white	-	passenger door module in door
Left Rear Door Trigger	purple/gray	-	driver kick or cluster, conn. 3, pin 4
Right Rear Door Trigger	purple/yellow	-	driver kick or cluster, conn. 3, pin 5
Dome Supervision	yellow/orange	-	any light or cluster, conn 2, pin 12
Trunk/Hatch Pin	pur/org and pur/brn (glass)	-	DKP or cluster, conn. 3, pins 3, 2
Rear Glass Pin			
Hood Pin	purple/lt. blue	-	pin switch or IPM, conn. 2, pin 5
Trunk Hatch/Release	orange/purple	-	DKP or cluster, conn. 3, pin 8
Trunk Release Motor			
Fuel Door Release			
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)			
Factory Alarm Arm	arms on lock with door open		
Factory Alarm Disarm	factory remote only		
Disarm No Unlock	with ign, keysense, Sentry Key		
Trunk Alarm Shunt			
Tachometer	NOT red/tan or dk. grn/lt. grn	ac	any ignition coil or fuel injector
Wait to Start	N/A		
Neutral Safety			
Clutch Pedal			
Fuel Pump			
Rear Defroster			
Mirror Defroster			
Left Front Heated Seat			
Right Front Heated Seat			

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	dk. green/brown	ac	PCM, black/green plug, pin 32
Brake Wire	white/tan	+	brake pedal switch
Parking Brake	dk. green/white	-	switch or cluster, conn. 1, pin 16
Horn Trigger	dk. green/orange	+	horn or IPM, conn. 2, pin 35
Wipers	brown/wht (L), brown/org (H)	+	windshield wiper motor
Left Front Window (Up/Down)	orange/lt blue - orange/dk blu	A	LF window motor in door
Right Front Window (Up/Down)	dk. blue/org - lt. green/org	A	RF window motor in door
Left Rear Window (Up/Down)	orange/white - orange/gray	A	driver kick, door harness
Right Rear Window (Up/Down)	orange/lt blue - orange/dk blu	A	driver kick, door harness
Sun Roof (Open/Close)	motor part of module		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	lt. green/orange	-	driver door module in door
Memory Seat 2	same as memory seat 1 wire		
Memory Seat 3	N/A		
Radio 12V	red/orange	+	radio harness
Radio Ground	black	-	radio harness
Radio Ignition	(CAN data bus)		
Radio Illumination	N/A		
Factory Amp Turn-on	N/A		
Power Antenna	N/A		
Left Front Speaker (+/-)	dk. green - dk. green/brown	+,-	radio harness
Right Front Speaker (+/-)	gray - gray/brown	+,-	radio harness
Left Rear Speaker (+/-)	dk green/dk blu - dk green/pur	+,-	radio harness
Right Rear Speaker (+/-)	gray/dk. blue - gray/tan	+,-	radio harness
Center Channel (+/-)			
Subwoofer (+/-)			
Aux. Audio Input Left (+/-)			
Aux. Audio Input Right (+/-)			
RSE Video (+/-)			
RSE Audio Left (+/-)			
RSE Audio Right (+/-)			
Satellite Radio 12 Volts			
Satellite Radio Ground			
Satellite Radio Ignition			
Satellite Radio Antenna			
Satellite Audio Left (+/-)			
Satellite Audio Right (+/-)			

What Fits

Item	Size	Depth	Location
Headunit			
Left Front Speaker			
Left Front Tweeter			
Right Front Speaker			
Right Front Tweeter			
Left Rear Speaker			
Left Rear Tweeter			
Right Rear Speaker			
Right Rear Tweeter			
Center Channel			
Subwoofer			
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			

Additional Wiring Notes

Item	Note
Hazards	The SCM (Steering Column Module) is in the steering column.
Reverse Light	The IPM (Integrated Power Module) is on the driver fender, behind the battery.
Trunk Hatch/Release	Meter this wire while opening the rear glass from the switch on the rear hatch. The hatch release motor wire is orange/gray (5wi) at the plug above the fuses, pin 25. On vehicles with the power liftgate, the liftgate open/close wire is purple/tan (-) at the switch or the PLM, 22 pin plug, pin 14. The PLM (Power Liftgate Module) is in the driver side rear quarter panel.
Speed Sense	The PCM (Powertrain Control Module) is under the hood on the passenger side fender.
Horn Trigger	The IPM (Integrated Power Module) is on the driver fender, behind the battery.
Left Front Speaker (+/-)	If equipped, the amplifier is in the driver side rear quarter panel.
Hood Pin	The IPM (Integrated Power Module) is on the driver fender, behind the battery.
Memory Seat 1	The memory seats are negative trigger thru resistors. The resistor values are not known at this time. Cut the wire and meter it while pressing the memory seat buttons.
Accessory	The accessory wire is negative trigger thru a 560 ohm resistor. MUST use a relay. Refer to DirectFax document 1084 for wiring information.
Power Lock	Lock is negative trigger thru a 330 ohm resistor. Unlock is negative trigger thru a 100 ohm resistor. MUST use relays. Can also use the trigger wires for the door lock relays found at the instrument cluster, conn. 2. Lock is lt. green/dk. green in pin 5. Driver door unlock is tan/lt. green in pin 6. Passenger door unlock is purple/lt. green in pin 7.
Key Sense	The key sense wire is negative trigger thru an 8500 ohm resistor. MUST use a relay.
Second Starter	The second starter wire is negative trigger thru a 150 ohm resistor. MUST use a relay. Refer to DirectFax document 1084 for wiring information.
Left Front Door Trigger	Use all four wires and diode isolate each wire from each other and the control module. Refer to Tech Doc 1076 for wiring information.