2009 Audi Q7

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red (common 150A)	+	driver dash fuse panel, fuse holder 1, pin 6
Second 12 Volts	red (common 150A)	+	driver dash fuse panel, fuse holder 2, pin 6
Starter	red/black (for starter kill only)	+	engine compartment relay and fuse panel
Second Starter	N/A		
Ignition	black (for ignition sense only)	+	driver dash fuse panel, fuse holder 3, pin 6
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	black/yellow (for accessory sense only)	+	center dash relay and fuse panel
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	N/A		
Data Bus	N/A		
Can Bus High	orange/green	data	driver kick, door harness
Can Bus Low	orange/brown	data	driver kick, door harness
Can Bus Sw	N/A		
Power Lock	purple/red	- resistor	Driver Door Control Module, 32 pin plug, pin 28
Power Unlock	same as power lock	- resistor	
Lock Motor	brown/green	5 wire	Driver Door Control Module, 20 pin plug, pin 11
Unlock Motor	blue/brown	5 wire	Driver Door Control Module, 20 pin plug, pin 13
Disarm Defeat	blue/brown	5 wire	Passenger Door Control Module, 20 pin plug, pin 13
Parking Lights (+)	gray/black (LF), gray/red (RF)	+	VESCM, 32 pin plug, pins 4 and 15
Parking Lights (-)			
Hazards	red/blue	-	hazard switch or VESCM, 32 pin plug, pin 22
Turn Signal (Left)	black/white (LF)	+	VESCM, 12 pin plug, pin 10
Turn Signal (Right)	black/green (RF)	+	VESCM, 12 pin plug, pin 9

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	yellow/black (L), yellow/red (R)	+	VESCM, 10 pin plug, pins 10 and 4
AutoLights			
Reverse Light	green/red	+	Comfort System Control Module 2, 20 pin plug, pin 13
Left Front Door Trigger	gray/purple	-	Driver Door Control Module, 20 pin plug, pin 5
Right Front Door Trigger	gray/purple	-	Passenger Door Control Module, 20 pin plug, pin 5
Left Rear Door Trigger	gray/purple	-	Left Rear Door Control Module, 20 pin plug, pin 5
Right Rear Door Trigger	gray/purple	-	Right Rear Door Control Module, 20 pin plug, pin 5
Dome Supervision	brown/blue	-	Comfort System Control Module, 15 pin plug, pin 14
Trunk/Hatch Pin	white/yellow	-	Comfort System Control Module, 32 pin plug, pin 22
Rear Glass Pin	N/A		
Hood Pin	brown/purple	-	VESCM, 32 pin plug, pin 21
Trunk Hatch/Release	red/green	-	Driver Door Control Module, 32 pin plug, pin 23
Trunk Release Motor	white/blue	5 wire	Comfort System Control Module, 10 pin plug, pin 1
Fuel Door Release	red/yellow	-	Driver Door Control Module, 32 pin plug, pin 22
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	blue/white	- resistor	Driver Door Control Module, 20 pin plug, pin 1
Factory Alarm Disarm	same as factory alarm arm	- resistor	
Disarm No Unlock	see factory alarm disarm		
Trunk Alarm Shunt	black/brown	-	Comfort System Control Module, 32 pin plug, pin 24
Tachometer	brown/stripe	ac	any fuel injector
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	N/A		
Fuel Pump	red/blue	+	engine compartment relay and fuse panel, fuse 16
Rear Defroster	red/brown	+ latched	Comfort System Control Module, 32 pin plug, pin 6
Mirror Defroster	black/red	5 wire	Driver and Passenger Door Control Module, 16 pin plug, pin 15
Left Front Heated Seat	black/blue (without ventilation)	5 wire	Climatronic Control Module, 3 pin plug, pin 1
Right Front Heated Seat	black/yellow (without ventilation)	5 wire	Climatronic Control Module, 3 pin plug, pin 3

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	(wheel speed sensor)		
Brake Wire	black/red	+	brake switch, 4 pin plug, pin 3
Parking Brake	brown/red	-	parking brake switch
Horn Trigger	black/white	+	VESCM, 32 pin plug, pin 17
Wipers	(data bus)		
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)	use factory alarm arm/disarm		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	gray	- resistor	Driver Door Control Module, 32 pin plug, pin 19
Memory Seat 2	same as memory seat 1	- resistor	
Memory Seat 3	N/A		
Radio 12V	red/yellow	+	radio, 18 pin plug, pin 18, or 8 pin plug, pin 2
Radio Ground	brown	-	radio, 18 pin plug, pin 17, or 8 pin plug, pin 1
Radio Ignition	(data bus)		
Radio Illumination	(data bus)		
Factory Amp Turn-on	(data bus)		
Power Antenna	N/A		
Left Front Speaker (+/-)	red/black - brown/black	+,-	radio, 8 pin plug, pins 3 and 7
Right Front Speaker (+/-)	red/gray - brown/gray	+,-	radio, 8 pin plug, pins 2 and 6
Left Rear Speaker (+/-)	red/purple - brown/purple	+,-	radio, 8 pin plug, pins 4 and 8
Right Rear Speaker (+/-)	red/white - brown/white	+,-	radio, 8 pin plug, pins 1 and 5
Center Channel (+/-)	blue - black	+,-	radio, 18 pin plug, pins 10 and 14
Subwoofer (+/-)	white/black - brown/black (front door woofers)	+,-	radio, 18 pin plug, pins 9 and 13
Aux. Audio Input Left (+/-)	(MOST bus)		
Aux. Audio Input Right (+/-)	(MOST bus)		
RSE Video (+/-)			
RSE Audio Left (+/-)			
RSE Audio Right (+/-)			
Satellite Radio 12 Volts	red/purple	+	Satellite Radio, 8 pin plug, pin 2
Satellite Radio Ground	brown	-	Satellite Radio, 8 pin plug, pin 1
Satellite Radio Ignition	(data bus)		
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	(MOST bus)		
Satellite Audio Right (+/-)	(MOST bus)		

What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker			left front door
Left Front Tweeter			left front door
Right Front Speaker			right front door
Right Front Tweeter			right front door
Left Rear Speaker			left rear door
Left Rear Tweeter			left rear door (tweeter), rear pillar (surround)
Right Rear Speaker			right rear door
Right Rear Tweeter			right rear door (tweeter), rear pillar (surround)
Center Channel			top center of dash
Subwoofer	N/A		
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			right side of luggage compartment

Additional Wiring Notes

Item	Note
Hazards	The VESCM (Vehicle Electrical System Control Module) is under the driver dash.
Parking Lights (+)	The VESCM (Vehicle Electrical System Control Module) is under the driver dash. The left rear - right rear wires are gray/black - gray/red (+) at the Comfort System Control Module, 15 pin plug, pins 1 and 7. The Comfort System Control Module is in the right side of the luggage compartment.
Turn Signal (Left)	The VESCM (Vehicle Electrical System Control Module) is under the driver dash. The left rear wire is black/white (+) at the Comfort System Control Module, 15 pin plug, pin 3. The Comfort System Control Module is in the right side of the luggage compartment.
Turn Signal (Right)	The VESCM (Vehicle Electrical System Control Module) is under the driver dash. The right rear wire is black/green (+) at the Comfort System Control Module, 15 pin plug, pin 5. The Comfort System Control Module is in the right side of the luggage compartment.
Headlight	The VESCM (Vehicle Electrical System Control Module) is under the driver dash.
Dome Supervision	The Comfort System Control Module is in the right side of the luggage compartment.
Rear Defroster	The Comfort System Control Module is in the right side of the luggage compartment.
Hood Pin	The VESCM (Vehicle Electrical System Control Module) is under the driver dash.
Reverse Light	The Comfort System Control Module 2 is in the right side of the luggage compartment.
Trunk/Hatch Pin	The Comfort System Control Module is in the right side of the luggage compartment.
Trunk Release Motor	The Comfort System Control Module is in the right side of the luggage compartment.
Trunk Alarm Shunt	The Comfort System Control Module is in the right side of the luggage compartment. Meter this wire while turning the key in the liftgate key cylinder.
Horn Trigger	The VESCM (Vehicle Electrical System Control Module) is under the driver dash.
Center Channel (+/-)	If equipped, the amplifier is in the right side of the luggage compartment. On BOSE systems, the speaker wires are white/blue - brown/blue at the amplifier, 32 pin plug, pins 16 and 15. On DSP systems, the speaker wires are blue - black at the amplifier, 32 pin plug, pins 10 and 22.
Left Front Speaker (+/-)	If equipped, the amplifier is in the right side of the luggage compartment. On BOSE systems, the woofer wires are white/black - blue/black at the amplifier, 32 pin plug, pins 6 and 18. The midrange and tweeter wires are red/black - brown/black at the amplifier, 32 pin plug, pins 8 and 7. On DSP systems, the woofer wires are white/black - brown/black at the amplifier, 32 pin plug, pins 3 and 15. The midrange and tweeter wires are white/black - blue/black at the amplifier, 32 pin plug, pins 6 and 18.
Right Front Speaker (+/-)	If equipped, the amplifier is in the right side of the luggage compartment. On BOSE systems, the woofer wires are white/green - blue/green at the amplifier, 32 pin plug, pins 5 and 17. The midrange and tweeter wires are red/gray - brown/gray at the amplifier, 32 pin plug, pins 4 and 3. On DSP systems, the woofer wires are white/brown - brown/green at the amplifier, 32 pin plug, pins 4 and 16. The midrange and tweeter wires are white/green - blue/green at the amplifier, 32 pin plug, pins 7 and 19.
Left Rear Speaker (+/-)	If equipped, the amplifier is in the right side of the luggage compartment. On BOSE systems, the speaker wires are red/purple - brown/purple at the amplifier, 32 pin plug, pins 22 and 21. The surround wires are green/white - gray/white at the amplifier, 32 pin plug, pins 13 and 14. On DSP systems, the speaker wires are red/purple - brown/purple at the amplifier, 32 pin plug, pins 8 and 20.
Right Rear Speaker (+/-)	If equipped, the amplifier is in the right side of the luggage compartment. On BOSE systems, the speaker wires are red/white - brown/white at the amplifier, 32 pin plug, pins 20 and 19. The surround wires are green/black - gray/black at the amplifier, 32 pin plug, pins 11 and 12. On DSP systems, the speaker wires are red/white - brown/white at the amplifier, 32 pin plug, pins 9 and 21.
Starter	USE INTERFACE MODULE FOR REMOTE START!
Factory Alarm Arm	Meter this wire while turning the key in the driver door key cylinder.
Satellite Radio 12 Volts	If equipped, the Satellite Radio is in the right side of the luggage compartment.