

DirectWire

2024 Audi Q7 (Smart Key) - North America - Requested by amfire.de

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red/Yellow (20A)	+	Comfort System Module in left rear quarter panel, below fuse box, brown 17 pin plug, pin 16
Second 12 Volts	Red/Gray (35A)	+	VESCM above driver kick, right black-white 73 pin plug, pin 1
Ground 2	Brown	-	Comfort System Module in left rear quarter panel, below fuse box, brown 17 pin plug, pin 15
Starter Kill	Red/Black	+	Starter Relay in engine compartment passenger side rear
Ignition	Black	+	VESCM above driver kick, middle black 73 pin plug, pin 19
PTS 1	Yellow/Gray	-	Comfort System Module in left rear quarter panel, below fuse box, blue-white 32 pin plug, pin 25
PTS 2	White/Gray	-	Comfort System Module in left rear quarter panel, below fuse box, blue-white 32 pin plug, pin 26
PTS 3	Blue/Yellow	-	Comfort System Module in left rear quarter panel, below fuse box, blue-white 32 pin plug, pin 10
PTS 4	Yellow/Gray (PTS 1 alternate)	-	Rear of Center Console, black 17 pin plug, pin 1
PTS 5	White/Gray (PTS 2 alternate)	-	Rear of Center Console, black 17 pin plug, pin 2
PTS 6	Blue/Yellow (PTS 3 alternate)	-	Rear of Center Console, black 17 pin plug, pin 3
CAN Bus High	Blue/Green	Data	OBD-Data Link Connector, black 16 pin plug, pin 6

Item	Wire Color	Polarity	Wire Location
CAN Bus Low	Violet/Brown	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
CAN Bus High 2	Green	Data	Comfort System Module in left rear quarter panel, below fuse box, blue-white 32 pin plug, pin 2
CAN Bus Low 2	Orange/Brown	Data	Comfort System Module in left rear quarter panel, below fuse box, blue-white 32 pin plug, pin 1
CAN Bus High 3	Green	Data	Driver Kick, door harness
CAN Bus Low 3	Orange/Brown	Data	Driver Kick, door harness
CAN Bus High 4	Green	Data	VESCM above driver kick, right black-white 73 pin plug, pin 40
CAN Bus Low 4	Orange/Brown	Data	VESCM above driver kick, right black-white 73 pin plug, pin 41
OBD 12 Volts	Red (10A)	+	OBD-Data Link Connector, black 16 pin plug, pin 16
OBD Ground	Brown	-	OBD-Data Link Connector, black 16 pin plug, pin 4
OBD Ignition	Yellow/Red	+	OBD-Data Link Connector, black 16 pin plug, pin 1
IMMO Antenna	Yellow	RF	Comfort System Module in left rear quarter panel, below fuse box, black 20 pin plug, pin 1
IMMO Antenna 2	Yellow (alternate location)	RF	Rear of Center Console, twisted pair wires
Driver LF Antenna	Brown - Red	RF	Outside Antenna in center of left rear door, black 2 pin plug, pins 2 - 1
Driver LF Antenna 2	Green - Blue	RF	Comfort System Module in left rear quarter panel, below fuse box, black 20 pin plug, pins 3 - 2
Passenger LF Antenna	Brown - Red	RF	Outside Antenna in center of right rear door, black 2 pin plug, pins 2 - 1

Item	Wire Color	Polarity	Wire Location
Passenger LF Antenna 2	Brown - Red	RF	Comfort System Module in left rear quarter panel, below fuse box, black 20 pin plug, pins 6 - 5
Center LF Antenna	Yellow - White	RF	Inside Antenna in center console right of shifter, black 2 pin plug, pins 2 - 1
Center LF Antenna 2	Yellow - White	RF	Comfort System Module in left rear quarter panel, below fuse box, black 20 pin plug, pins 1 - 10
Rear LF Antenna	Gray - Black	RF	Outside Antenna in center rear of cargo floor, black 2 pin plug, pins 2 - 1
Rear LF Antenna 2	Gray - Black	RF	Comfort System Module in left rear quarter panel, below fuse box, black 20 pin plug, pins 8 - 7
Power Lock	Violet/Red	- Resistor	Driver Door Module, blue 32 pin plug, pin 28
Lock Motor	Blue/Brown	Reverse	Driver Door Module, white 20 pin plug, pin 13
Driver Unlock Motor	Brown/Green	Reverse	Driver Door Module, white 20 pin plug, pin 11
Passenger Unlock Motor	Brown/Green	Reverse	Passenger Door Module, white 20 pin plug, pin 11
Factory Alarm Arm	Blue/White (key lock)	- Resistor	Driver Door Module, white 20 pin plug, pin 1
Parking Lights	(fronts are CAN); Gray (LR); Gray or Gray/Black (RR)	+	Comfort System Module in left rear quarter panel, below fuse box, brown 17 pin plug, pin 4 (LR); black 17 pin plug, pin 7 (RR)
Turn Signal (Left)	(front is CAN); White/Gray (LR)	+	Comfort System Module in left rear quarter panel, below fuse box, brown 17 pin plug, pin 14 (LR)
Turn Signal (Right)	(front is CAN); Gray/Black (RR)	+	Comfort System Module in left rear quarter panel, below fuse box, black 17 pin plug, pin 5 (RR)

Item	Wire Color	Polarity	Wire Location
Headlight	Yellow/Black (L); Yellow/Black (R)	+	VESCM above driver kick, middle black 73 pin plug, pin 64 (L); right black-white 73 pin plug, pin 64 (R)
Reverse Light	Black/Blue	+	Comfort System Module in left rear quarter panel, below fuse box, black 17 pin plug, pin 3
Left Front Door Trigger	Brown/Yellow	-	Driver Door Module, white 20 pin plug, pin 5
Right Front Door Trigger	Brown/Gray	-	Passenger Door Module, white 20 pin plug, pin 5
Left Rear Door Trigger	Gray/Violet	-	Left Rear Door Module, white 20 pin plug, pin 5
Right Rear Door Trigger	Gray/Violet	-	Right Rear Door Module, white 20 pin plug, pin 5
Trunk/Hatch Pin	Black	-	Comfort System Module in left rear quarter panel, below fuse box, blue-white 32 pin plug, pin 15
Hood Pin	Green/Red	-	VESCM above driver kick, middle black 73 pin plug, pin 31
Trunk/Hatch Release	Red/Green (door switch)	-	Driver Door Module, blue 32 pin plug, pin 23
Trunk-Hatch Release2	Brown/Yellow (rear handle switch)	-	Comfort System Module in left rear quarter panel, below fuse box, blue-white 32 pin plug, pin 30
Trunk Release Motor	Green/Red	Reverse	Comfort System Module in left rear quarter panel, below fuse box, black 20 pin plug, pin 11
Fuel Door Release	Blue/Red - Blue (lock-unlock motor)	Reverse	Comfort System Module in left rear quarter panel, below fuse box, black-white 32 pin plug, pins 31 - 30
Tachometer	Green/Violet (2.0L)	AC	Camshaft Position Sensor, engine driver side rear, black 3 pin plug, pin 2
Tachometer 2	Violet (3.0L)	AC	Camshaft Position Sensor, engine driver side top front, black 3 pin plug, pin 2

Item	Wire Color	Polarity	Wire Location
Fuel Pump	Black/White	+	Driver Kick, harness to rear --or-- Driver Kick Fuse Box, brown fuse holder, fuse 16
Rear Defroster	Green/Violet	+ Latched	Comfort System Module in left rear quarter panel, below fuse box, black-white 32 pin plug, pin 32
Brake Wire	Black/Red	+	Comfort System Module in left rear quarter panel, below fuse box, black-white 32 pin plug, pin 12
Brake Wire 2	Black/Red (alternate location)	+	Driver Firewall, harness to engine compartment
Parking Brake	Green/Violet (EPB indicator)	-	Driver Kick, white 17 pin plug, pin 14
Horn Trigger	Violet/Red	Reverse	VESCM above driver kick, right black-white 73 pin plug, pin 5
Memory Seat 1	Gray	- Resistor	Driver Door Module, blue 32 pin plug, pin 19
Radio 12V	Red/Yellow	+	Radio in glove box, black 8 pin plug, pin 8
Radio Ground	Brown	-	Radio in glove box, black 8 pin plug, pin 7
Left Front Speaker (+/-)	Red/Yellow - Brown/Yellow (woofer); Gray - Gray/Black (tweeter)	+, -	Radio in glove box, brown 8 pin plug, pins 3 - 7
Right Front Speaker (+/-)	Red - Brown/Red (woofer); White - White/Black (tweeter)	+, -	Radio in glove box, brown 8 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	Violet - Brown/Violet	+, -	Radio in glove box, brown 8 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	Red/Green - Brown/Green	+, -	Radio in glove box, brown 8 pin plug, pins 1 - 5
Center Channel (+/-)	Red/Blue - Brown/Blue	+, -	Radio in glove box, black 8 pin plug, pins 2 - 6

Item	Wire Color	Polarity	Wire Location
Subwoofer (+/-)	White/Red - Brown/Red	+, -	Radio in glove box, black 8 pin plug, pins 1 - 5
Left Front Speaker - With Amp	Red/Yellow - Brown/Yellow (woofer); Red/Blue - Brown/Blue (midrange)	+, -	Amplifier in left rear cargo floor, black 38 pin plug, pins 12 - 11 (woofer); pins 35 - 36 (midrange)
Right Front Speaker - With Amp	Violet - Violet/black (woofer); Violet - Violet/black (midrange)	+, -	Amplifier in left rear cargo floor, black 38 pin plug, pins 13 - 14 (woofer); pins 33 - 34 (midrange)
Left Front Tweeter - With Amp	Gray/Yellow - Gray/Blue (tweeter); Blue - Blue/Black (tweeter 2)	+, -	Amplifier in left rear cargo floor, black 38 pin plug, pins 38 - 37 (tweeter); pins 17 - 5 (tweeter 2)
Right Front Tweeter - With Amp	Gray - Gray/Black (tweeter); White/Yellow - White/Blue (tweeter 2)	+, -	Amplifier in left rear cargo floor, black 38 pin plug, pins 27 - 26 (tweeter); pins 18 - 6 (tweeter 2)
Left Rear Speaker - With Amp	Violet - Brown/Violet	+, -	Amplifier in left rear cargo floor, black 38 pin plug, pins 19 - 7
Right Rear Speaker - With Amp	Green - Green/Black	+, -	Amplifier in left rear cargo floor, black 38 pin plug, pins 20 - 8
Left Rear Surround - With Amp	Blue/Red - Gray/Red	+, -	Amplifier in left rear cargo floor, black 38 pin plug, pins 10 - 22
Right Rear Surround - With Amp	Yellow/Red - Yellow/Brown	+, -	Amplifier in left rear cargo floor, black 38 pin plug, pins 9 - 21
Center Channel - With Amp	Red/Yellow - Brown/Yellow	+, -	Amplifier in left rear cargo floor, black 38 pin plug, pins 31 - 32
Subwoofer - With Amp	Red/Green - Brown/Green	+, -	Amplifier in left rear cargo floor, black 38 pin plug, pins 16 - 4
Aux. Audio Input Left (+/-)	Green - Gray	+, -	Radio in glove box, green 12 pin plug, pins 7 - 1
Aux. Audio Input Right (+/-)	Yellow - Gray	+, -	Radio in glove box, green 12 pin plug, pins 2 - 1

Item	Wire Color	Polarity	Wire Location
Rearview Camera Video	White - Black	+,-	Radio in glove box, blue 12 pin plug, pins 6 - 12