## 2012 Audi Q7

### Wiring Information

| Item | Wire Color | Polarity | Wire Location |
|---|---|---|---|
| **12 Volts** | red (30A) | + | VESCM under driver dash, black 12 pin plug, pin 11 |
| **Second 12 Volts** | white/yellow (25A) | + | VESCM under driver dash, black 12 pin plug, pin 12 |
| **Starter** | red/black (for starter kill only) | + | starter relay on engine compartment relay and fuse panel |
| **Second Starter** | N/A | | |
| **Ignition** | black/purple (for ignition sense only) | + | Access/Start Control Module on column, black 20 pin plug, pin 18 |
| **Second Ignition** | N/A | | |
| **Third Ignition** | N/A | | |
| **Accessory** | black/yellow (for accessory sense only) | + | Access/Start Control Module on column, black 20 pin plug, pin 20 |
| **Second Accessory** | N/A | | |
| **Third Accessory** | N/A | | |
| **Key Sense** | N/A | | |
| **Data Bus** | ign sw and immob interface needed for remote start | | |
| **Can Bus High** | orange/green | data | Access/Start Control Module on column, black 20 pin plug, pin 11 |
| **Can Bus Low** | orange/brown | data | Access/Start Control Module on column, black 20 pin plug, pin 1 |
| **Can Bus Sw** | N/A | | |
| **Power Lock** | purple/red | - resistor | Driver Door Module, white 32 pin plug, pin 28 |
| **Power Unlock** | same as power lock | - resistor | |
| **Lock Motor** | blue/brown | 5 wire | Driver Door Module, black 20 pin plug, pin 13 |
| **Unlock Motor** | brown/green | 5 wire | Driver Door Module, black 20 pin plug, pin 11 |
| **Disarm Defeat** | brown/green | 5 wire | Passenger Door Module, black 20 pin plug, pin 11 |
| **Parking Lights (+)** | gray/black (LF), gray/red (RF) | + | VESCM under driver dash, gray 32 pin plug, pins 4 and 15 |
| **Parking Lights (-)** | (LIN bus) | | |
| **Hazards** | red/blue | - | VESCM under driver dash, gray 32 pin plug, pin 22 |
| **Turn Signal (Left)** | black/white (F); black/white (R) | + | VESCM, bk12 pin plg, pin10; Cmft Sys Mod, brown 15 pin plug, pin 3 |

| **Turn Signal (Right)** | black/green (F); black/green (R) | + | VESCM, bk 12 pin plg, pin 9; Cmft Sys Mod, brown 15 pin plug, pin 5 |
|---|---|---|---|

*Wiring Information (Continued)*

| Item | Wire Color | Polarity | Wire Location |
|---|---|---|---|
| **Headlight** | yellow/black (L), yellow/red (R) | + | VESCM under driver dash, black 10 pin plug, pins 10 and 4 |
| **AutoLights** | (LIN bus) | | |
| **Reverse Light** | green/black | + | Comfort System Module 2 in right cargo floor, blk 20 pin plug, pin 18 |
| **Left Front Door Trigger** | gray/purple | - | Driver Door Module, black 20 pin plug, pin 5 |
| **Right Front Door Trigger** | gray/purple | - | Passenger Door Module, black 20 pin plug, pin 5 |
| **Left Rear Door Trigger** | gray/purple | - | Left Rear Door Module, black 20 pin plug, pin 5 |
| **Right Rear Door Trigger** | gray/purple | - | Right Rear Door Module, black 20 pin plug, pin 5 |
| **Dome Supervision** | brown/blue | - | Comfort System Module in right cargo floor, brn 15 pin plg, pin 14 |
| **Trunk/Hatch Pin** | white/yellow | - | Comfort System Module in right cargo floor, 32 pin plug, pin 22 |
| **Rear Glass Pin** | N/A | | |
| **Hood Pin** | brown/purple | - | VESCM under driver dash, gray 32 pin plug, pin 21 |
| **Trunk Hatch/Release** | red/green | - | Driver Door Module, white 32 pin plug, pin 23 |
| **Trunk Release Motor** | white/blue | 5 wire | Comfort System Module in right cargo floor, black 10 pin plg, pin 1 |
| **Fuel Door Release** | red/yellow | - | Driver Door Module, white 32 pin plug, pin 22 |
| **Power Sliding Door (Left)** | N/A | | |
| **Power Sliding Door (Right)** | N/A | | |
| **Factory Alarm Arm** | blue/white (driver door key cylinder) | - | Driver Door Module, black 20 pin plug, pin 1 |
| **Factory Alarm Disarm** | same as factory alarm arm | - 250 ohms | |
| **Disarm No Unlock** | see factory alarm disarm | | |
| **Trunk Alarm Shunt** | N/A | | |
| **Tachometer** | non common wire | 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 Module in right cargo floor, 32 pin plug, pin 6 |
| **Mirror Defroster** | (CAN bus) | | |
| **Left Front Heated Seat** | black/blue (without ventilation) | 5 wire | Climatronic Control Module, black 3 pin plug, pin 1 |
| **Right Front Heated Seat** | black/yellow (without ventilation) | 5 wire | Climatronic Control Module, black 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, 1 pin plug, pin 1 |
| **Horn Trigger** | black/white | + | VESCM under driver dash, gray 32 pin plug, pin 17 |
| **Wipers** | (LIN 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 Module, white 32 pin plug, pin 19 |
| **Memory Seat 2** | same as memory seat 1 | - resistor | |
| **Memory Seat 3** | N/A | | |
| **Radio 12V** | red/yellow | + | radio, black 10 pin plug, pin 10 |
| **Radio Ground** | brown | - | radio, black 10 pin plug, pin 9 |
| **Radio Ignition** | (CAN bus) | | |
| **Radio Illumination** | (CAN bus) | | |
| **Factory Amp Turn-on** | (CAN bus) | | |
| **Power Antenna** | N/A | | |
| **Left Front Speaker (+/-)** | red/black - brown/black | +,- | radio, brown 8 pin plug, pins 3 and 7 |
| **Right Front Speaker (+/-)** | red/gray - brown/gray | +,- | radio, brown 8 pin plug, pins 2 and 6 |
| **Left Rear Speaker (+/-)** | red/purple - brown/purple | +,- | radio, brown 8 pin plug, pins 4 and 8 |
| **Right Rear Speaker (+/-)** | red/white - brown/white | +,- | radio, brown 8 pin plug, pins 1 and 5 |
| **Center Channel (+/-)** | blue - black | +,- | radio, black 10 pin plug, pins 2 and 6 |
| **Subwoofer (+/-)** | white/black - brown/black (front door woofers) | +,- | radio, black 10 pin plug, pins 1 and 5 |
| **Aux. Audio Input Left (+/-)** | (MOST bus) | | |
| **Aux. Audio Input Right (+/-)** | (MOST bus) | | |
| **RSE Video (+/-)** | | | |
| **RSE Audio Left (+/-)** | | | |
| **RSE Audio Right (+/-)** | | | |
| **Satellite Radio 12 Volts** | N/A | | |
| **Satellite Radio Ground** | N/A | | |
| **Satellite Radio Ignition** | N/A | | |
| **Satellite Radio Antenna** | N/A | | |
| **Satellite Audio Left (+/-)** | N/A | | |

| Satellite Audio Right (+/-) | N/A | | |
|---|---|---|---|

*What Fits*

| Item | Size | Depth | Location |
|---|---|---|---|
| **Headunit** | irregular | | center of dash |
| **Left Front Speaker** | 6.5 or 8 | 3 | left front door |
| **Left Front Tweeter** | 1 (tweeter); 3 (midrange) | 1; 2 | left front door |
| **Right Front Speaker** | 6.5 or 8 | 3 | right front door |
| **Right Front Tweeter** | 1 (tweeter); 3 (midrange) | 1; 2 | right front door |
| **Left Rear Speaker** | 6.5 | 3 | left rear door |
| **Left Rear Tweeter** | 1 (tweeter); 3 (surround) | 1; 2 | left rear door (tweeter); rear pillar (surround) |
| **Right Rear Speaker** | 6.5 | 3 | right rear door |
| **Right Rear Tweeter** | 1 (tweeter); 3 (surround) | 1; 2 | right rear door (tweeter); rear pillar (surround) |
| **Center Channel** | 3 | 2 | top center of dash |
| **Subwoofer** | N/A | | |
| **Left Front Headrest** | | | |
| **Right Front Headrest** | | | |
| **Left Right Headrest** | | | |
| **Right Rear Headrest** | | | |
| **Satellite Radio Tuner** | (built into radio) | | |

*Additional Wiring Notes*

| Item | Note |
|---|---|
| **Parking Lights (+)** | The LR - RR are gray/black - gray/red (+) at the Comfort System Module in right cargo floor, brown 15 pin plug, pins 1 and 7. |
| **Center Channel (+/-)** | On BOSE systems, the speaker wires are white/blue - brown/blue (midrange); red/blue - brown/blue (tweeter) at the amplifier in RR quarter panel, black 38 pin plug, pins 17 and 5; 10 and 22. |
| **Left Front Speaker (+/-)** | On BOSE systems, the speaker wires are white/black - blue/black (woofer); black/yellow - brown/red (midrange+tweeter) at the amplifier in RR quarter panel, black 38 pin plug, pins 16 and 4; 31 and 32. |
| **Right Front Speaker (+/-)** | On BOSE systems, the speaker wires are white/green - blue/green (woofer); red/green - brown/green (midrange+tweeter) at the amplifier in RR quarter panel, black 38 pin plug, pins 3 and 15; 34 and 33. |
| **Left Rear Speaker (+/-)** | On BOSE systems, the speaker wires are red/purple - brown/purple (mid-bass+tweeter); black - blue/white (surround) at the amplifier in RR quarter panel, black 38 pin plug, pins 19 and 7; 37 and 38. |
| **Right Rear Speaker (+/-)** | On BOSE systems, the speaker wires are red/white - brown/white (mid-bass+tweeter); black/white - brown/yellow (surround) at the amplifier in RR quarter panel, black 38 pin plug, pins 8 and 20; 35 and 36. |