

## Tow Hitch Harness Part Number 4L0 971 124 B

Parts list:

2 PIN CONNCECTOR FOR ELECTRONIC BRAKES, PART NUMBER : 1J0972923

16 PIN CONNECTOR GOING TO THE CONTROL MODULE: 6Q0937713

POLLAK 7 PIN PLUG: 11-998 KIT OR SOMETHING SIMALR. (need longer wire) 6ft.

END PLUG POLLAK socket : # 11-893 or similar..

6 feet of 7 wire cable( can get at RV store) 6X14Guage, 1X10Guage, but most only have 7X14guage.)

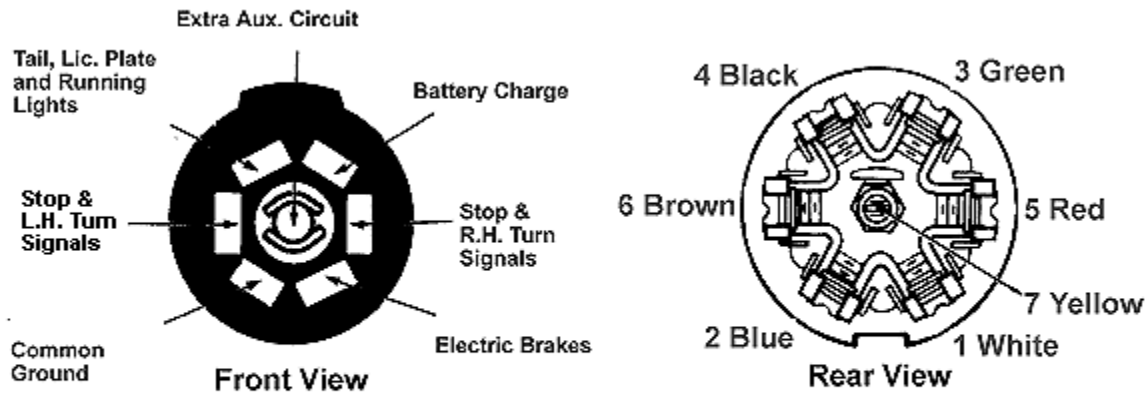


I'll attempt to describe the wiring harness for the Q7 trailer hitch from the controller module to the 7 pin connector in the hitch itself. This is an attempt so you can make your own harness. I heard this harness isn't being sold any more only if you buy the whole trailer hitch kit which last I knew was about \$760.00. What I did was find a Audi Q7 2008 tow hitch in the junk with the electronic module for \$200. The set had both ends of the harness but that was all. A mechanic buddy of mine that works on Audi's had a bad Q7 harness so he was nice enough to give me the bad harness to follow so I could make one. I decide to write this up to help others. So I'm not very good with Microsoft word to make all the diagrams but I'll do the best I can.. I'm not telling you how to take the back of your car apart to get to the modules/fuses etc... to install the whole hitch. There are other write ups that tell you that on the list.

We'll start with the 7 pin connector that is on the hitch itself. This is what's supplied with the hitch but I guess you have to buy the mate to this. There is several different configurations that you can buy or build but this part plugs into the main plug that you purchase that goes on the 4 screws on the hitch.

If you look down at the open plug connector, the largest piece of the pie in the photo is the Brown 10 gauge wire for the ground signal that goes with the lead to the inside of the trunk that screws on to a bolt somewhere, anywhere. I heard there is already ground wires from the controller/fuses in the right rear of the trunk area to attach to. We'll go around counter clock wise looking at the photo above. The next pin is the blue wire for the Electronic brake that plugs into the 2 pin connector in the trunk. Brown wire is next that goes to the controller module plug pin number 5. Black is on the other side of the cut out in the connector. That goes to the controller module connector pin 16. Green is next and goes to the controller module connector pin 4. Red is last around the circle and goes to the controller module connector pin 7. Lastly is the yellow wire in the middle that goes to the controller connector pin 3. The only other connection comes from the controller module connector pin 13 Burn orange or red and goes to the 2 pin connector in the trunk. This might be hard to read hear so I'll make a connection table.

### 7-Way Round Connector (Bargman Style)



White = Common Ground	4 Black = Battery Charge
Blue = Electric Brakes	5 Red = Stop & L. H. Turn Signal
Green = Tail, Lic. Plate & Running Lights	6 Brown = Stop & R.H. Turn Signal
	7 Yellow = Extra Aux. Terminal

Only different on the Audi is that common ground wire is Brown not White. When wiring this up start at the Ground wire and go around and follow the colors. Don't worry about pin numbers.

### Connection Table

7 Pin connector on the hitch		Controller connector
GRN Brown	- screw in the trunk some place	
Blue Wire	- 2 pin connector, Brake, trunk area	
Brown Wire	-	Pin 5
Black Wire	-	Pin 16
Green Wire	-	Pin 4
Red Wire	-	Pin 7
Yellow Wire	-	Pin 3
Red	2 pin connector	Pin 13



69 inches long, 45 inches to the soft plug from the 7 pin connector. At the Y one side is 19 inches with the ground strap split off with a 5 inch length at 12 inches. The control side is 24 inches after the plug.

These e are rough but should work.

Controller:



You can buy the connector parts at ECS Tuning, The rest at a trailer/RV web site or shop. I used electrical tape to wrap the wires outside of the rubber covering. So you should be able to buy the Curt hitch and find a used controller and make this harness yourself, only thing I'm still working on is the correct bolts that you need, They are M12, 1.5 tread X100. These you can get at a local hardware or bolt store but they don't look like the tread go up the both enough, need to put some spacers in there but I haven't tried it yet. I'd hate to get these bolts from Audi, \$\$\$\$. IF someone finds a source let me know ..