

Tools: You'll need some but-connectors, wire taps, trim removal tool, torx set, Phillips and a screw driver, VAG-COM, Glass Cleaner.

Optional but very helpful: Wire snake, Bentley repair manual, solder.

Also, pick up a Euro-Switch with the auto-function. To change light switches, push your current switch in and turn clockwise slightly, the switch will come out. Take off the harness, move it to your new switch and push it back into the dash.

Parts:

Qty	Part Number	VW Description (My Description)	Price
1	4B0-971-833	HOUSING (Female Harness Connector)	\$5.82
1	1C0-973-119	HOUSING (Female Harness Connector)	\$4.28
2	000-979-009	WIRE SET (Trigger Wires)	\$2.97
3	000-979-018	WIRE SET (Trigger Wires)	\$5.58
1	1K0-955-559-R	RAINSENSOR	\$162.98
1	1K0-858-547—71N	CAP (Mirror Cover)	\$4.65
1	1K0-858-548—71N	CAP (Mirror Cover)	\$4.65
1	1K0-857-593—71N	CONDUIT (Lower Piece Wire Conduit)	\$9.18
1	1K5-857-304—71N	TRIM (Headliner Connector)	\$4.07
1	DA-004-600-A2	2K GLUE (Holding Plate Glue)	\$51.60
1	1K0-845-543	PLATE (Rain/Light Sensor Mounting Plate)	\$11.60
1	1K0-857-511-B-9B9	MIRROR (Auto-Dimming Mirror)	\$224.42

Step 1: Remove Old Mirror by turning mirror counter-clockwise. Be sure not to push or pull on mirror, just turn it.

Step 2: Use lighter to heat up glue holding old button in place. Then use wrench and twist button back and forth until it falls off.



Step 3: Use window scraper to take off as much excess button glue as possible.

Step 4: Use extremely good glass cleaner to remove dirt and grime from inside the window.

Step 5: Mix the Glues together and dab a decent amount on the beveled side of the mount.



Step 6: Apply the mount windshield like this:



The tracks should face the **bottom**!!!!!!!!!!!!!!!!!!!!!!
The mirror goes on bottom up. If the mounting tracks face your headliner, remove it quickly!!!!!!

Step 7: Brace the mount to the windshield like so. It's advised to let it rest for 24 hours before mounting the mirror. Besides, there's still much work to do.



Step 8: Start the wiring. Cut the cables you made in half, and fill the two female connectors you've made. Make note of the pin locations and numbers on wires. You'll find each component has numbers on the male side, Use those to wire the system like so:

For the Mirror:

- Pin1: Switched power in the fuse box
- Pin2: Ground
- Pin3: Tap the reverse light Black/Blue (B/1 in J519)
- Pin4: Connection to Door (We ignored this pin)
- Pin5: Connection to other Door (We ignored this pin)
- Pin6: Connection to Dome Light

For The Sensor:

- Pin1: Unswitched 5A power
- Pin2: Ground
- Pin3: Tap the LIN bus cable going to the wipers Violet/White (F/3 in J519)

Step 9: Remove Sunglass Holder and Overhead Assembly

Remove the Glass holder by sticking the trim removal tool in where the arrow is. It will pop out.

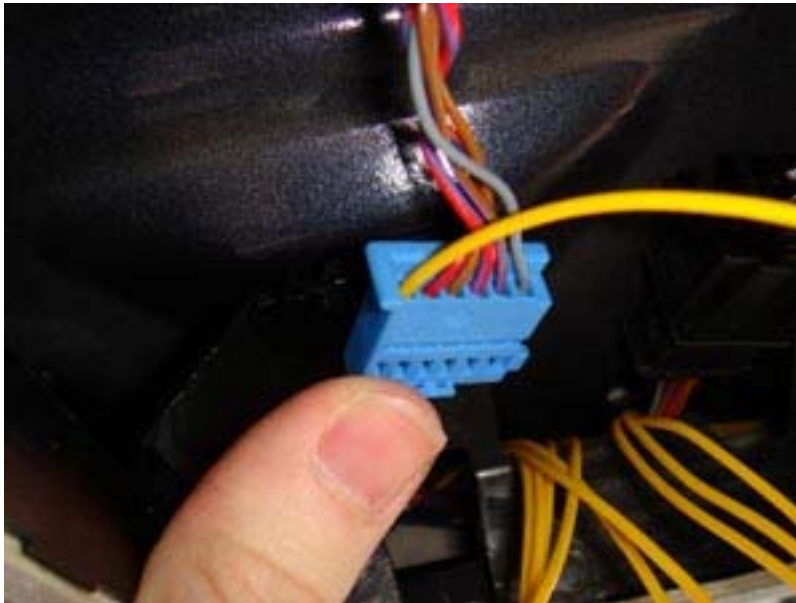


Step 10: The rest of the assembly will come off in order. Use your Torx and Phillips head screw drivers to remove the plastic trim.

Step 11: Mark the ends of the wires and pull them through the headliner to the overhead assembly.



Step 12: If you look at the blue connector, you'll find an open connection! Connect wire 6 from the mirror into here and the mirror will not darken when the interior light is on.



Step 13: You can grab ground from where ever you like. We decided to grab it from the large ground coming from the sunroof. Grab the big brown wire.



Step 14: Add Long wires onto the rest of the wires. Remove the driver's side and sunshade and grab your snake.

Step 15: Pull Down your rubber door trim near where the A-Pillar trim and Headliner meet. Put the snake ABOVE your side airbag and push it all the way through to the overhead console. Wrap the wires onto snake and pull them through.



Step 16: Use the snake to pull the wires along the A-Pillar down to the foot well near the driver's feet.



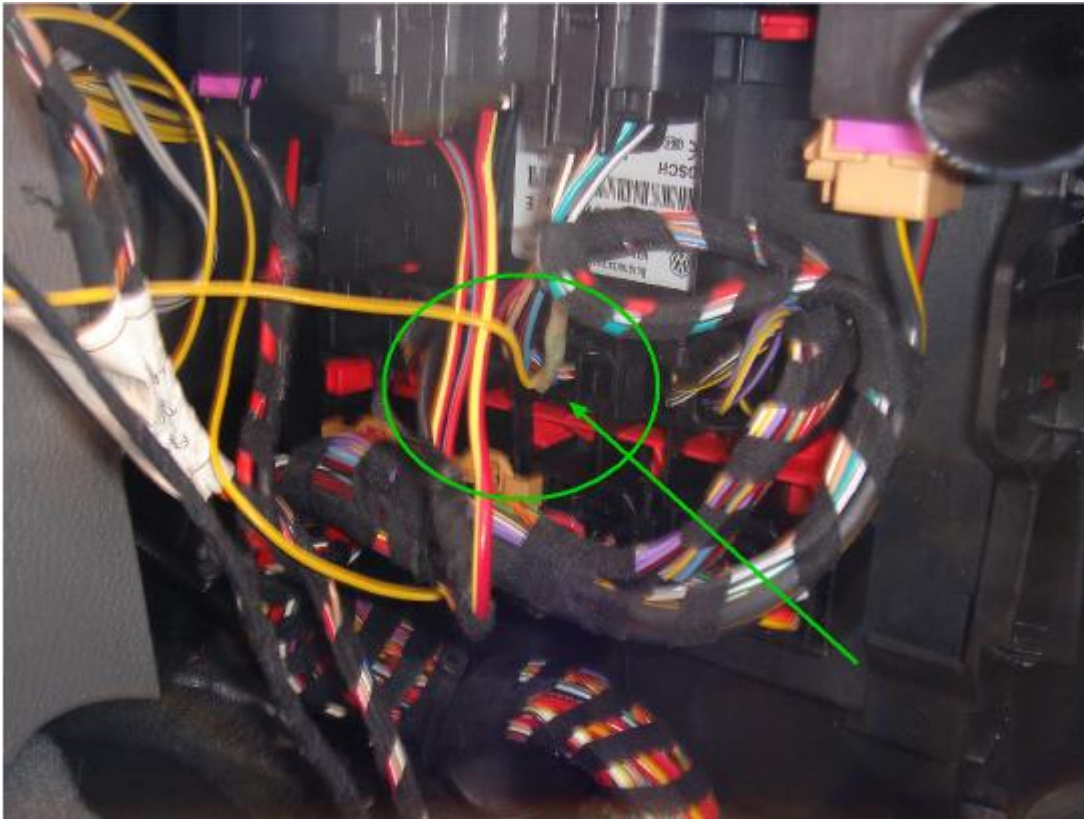
Step 17: Now it's time to wire into the module. In this picture you can see the module, and the letters molded into the module.



Step 18: Tap B/1, a Black/Blue wire, the reverse lamp, as here.



Step 19: Tap, a Violet/White wire, F3, an 8 pin connector



Step 19: Tap Power, mirror is 5A switched, rain sensor 5A unswitched
Connect #7 to the Mirror, #17 to the Rainsensor.

We couldn't get the fuse box off, so we looped the power up to the jumper-block you see above the fuse box.



Step 20: Use your VAG-COM. Tell it you have rain/light sensor, and turn on coming home and leaving home.

Step 21: Plug the devices in to see if they work. Cover the front sensor. The mirror should dim until you open a door or put the car into reverse.

Put you lights into auto. If everything is working your lights should turn off (try recycling your light switch if necessary).

Step 22: Wait 24 hours.

Step 23: Take all the masking off and clean your windshield and especially the area where the rainsensor goes. This needs to be very clean. Take the plastic cap off the sensor and put it in the mount.



Step 24: Use some silicon spray or other on the track to help the mirror install on. With the wires hanging through the empty space, slowly, **SLOWLY**, inch the mirror up the mount. **ONLY PULL UPWARDS ONTO THE MOUNT. DO NOT PUSH OUT ONTO THE WINDSHIELD.**



Step 25: Cut black shrink-wrap tub up the center and surround the wires. Then put the covers on and Voila!



I'd like to thank Rob at parts from Valenti VW in Watertown, CT for getting me the parts. I'd also like to thank Paul from VW of West Hartford for helping me get everything installed. Thank you for sacrificing a weekend. He's the shop foreman and the best one I know.