



Audi B8 Carbon Fiber Mirror Cap Installation Instructions

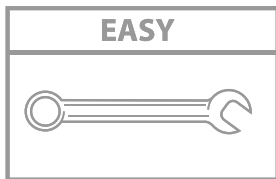


INTRODUCTION

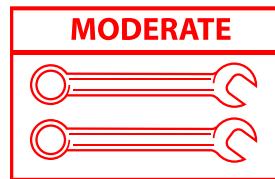
Audi B8 ECS Carbon Fiber Mirror Cap Set

The ECS Tuning Carbon Fiber Mirror Cap Set for your Audi B8 offers the following features:

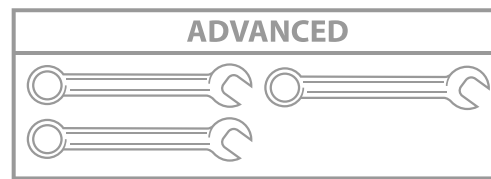
- Carbon fiber/fiberglass construction
- Beautiful gloss clear coat for finish protection and durability
- Direct fitment for a seamless and easy installation process



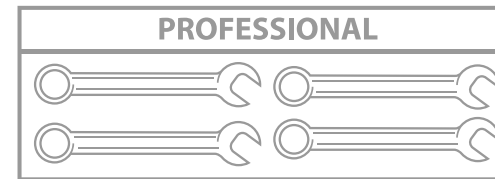
EASY
BASIC SKILLS
REQUIRED



MODERATE
SOME EXPERIENCE
RECOMMENDED



ADVANCED
ADVANCED SKILLS &
EXPERIENCE REQUIRED



PROFESSIONAL
PROFESSIONAL SKILLS &
SPECIALTY TOOLS REQUIRED

Replacing the stock mirror caps on your Audi B8 is a rewarding project that an experienced technician will be able to complete in one to two hours, plan accordingly based on your experience level. Adding this touch of carbon fiber to the exterior of your vehicle will really make your car stand out from the crowd. Before you begin, read and familiarize yourself with these instructions and make sure you have all the required tools on hand. Thank you for purchasing our ECS Tuning Carbon Fiber Mirror Cap Set, we appreciate your business!

NOTE

Patience is the key in this installation, you will be working with plastic parts which will break if you use too much force. Study the instructions, be patient and take your time.

[Table of Contents](#)

TABLE OF CONTENTS

Kit Contents.....	pg.3
Required Tools and Equipment.....	pg.4
Shop Supplies and Materials.....	pg.4
Installation Notes	pg.5
Preparation and Safety.....	pg.5
Removing the Stock Mirror Caps.....	pg.6
Installing the Carbon Fiber Mirror Caps.....	pg.14
Schwaben Tools	pg.22

KIT CONTENTS



Left and Right Carbon Fiber Mirror Caps

REQUIRED TOOLS

Note: The tools required for each step will be listed by the step number throughout these instructions.

Below is a list of the tools we used to install the Audi B8 Carbon Fiber Mirror Cap Set. Additional tools may be required for any issues that arise during installation such as rust, corrosion, or broken and stripped fasteners.

- 1/4" Drive Ratchet Available at ecstuning.com [ES#2093757](#)
- Torx Bit Socket: T10..... Available at ecstuning.com [ES#11418](#)
- Trim Removal Tool..... Available at ecstuning.com [ES#517779](#)
- Small Flat Blade Screwdriver Available at ecstuning.com [ES#2225921](#)
- Torx Driver: T10 Available at ecstuning.com [ES#11417](#)

SHOP SUPPLIES AND MATERIALS

- Hand Cleaner/Degreaser..... Available at ecstuning.com..... [ES#2167336](#)
- Aerosol Brake Cleaner..... Available at your local auto parts store
- Shop Rags Available at your local auto parts store
- Aerosol Spray Lubricant/Penetrating Oil..... Available at your local auto parts store

INSTALLATION NOTES

- **RH** refers to the passenger side of the vehicle.
- **LH** refers to the driver side of the vehicle.
- Always use the proper torque specifications.
- If applicable to this installation, torque specifications will be listed throughout the document and at the end as well.
- Please read all of these instructions and familiarize yourself with the complete process **BEFORE** you begin.

GENERAL PREPARATION AND SAFETY INFORMATION

ECS Tuning cares about your health and safety. Please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- **ALWAYS** wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- If using an automotive lift, be sure and utilize the factory specified lift points. Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
- When lifting a vehicle using a jack, always utilize the factory specified lift points. Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear. **ALWAYS** support the vehicle with jack stands.
- Always read and follow all safety information and warnings for the equipment you are using.



Never get underneath a vehicle that is supported only by a jack. Always make sure that the vehicle is securely supported on jack stands.

REMOVING THE STOCK MIRROR CAPS

Step 1: Trim Removal Tool

Begin by pivoting the mirror glass so the outer edge is accessible, then gently pry outward on the lower outside corner (#1) of the mirror glass. Once this corner has been released repeat this process on the upper inside corner (#2).

TECH TIP

Try pivoting the mirror assembly away from the window slightly in order to gain easier access for this installation.



Step 2:

Once the mirror glass has been completely released from the mirror assembly, carefully lower the top edge of the glass in order to gain access to the wiring connections. Disconnect the two black wires (arrows) for the mirror heater by gently pulling them off, please note the position of these two wires and mark one with tape or paint so they are reinstalled in the same orientation.

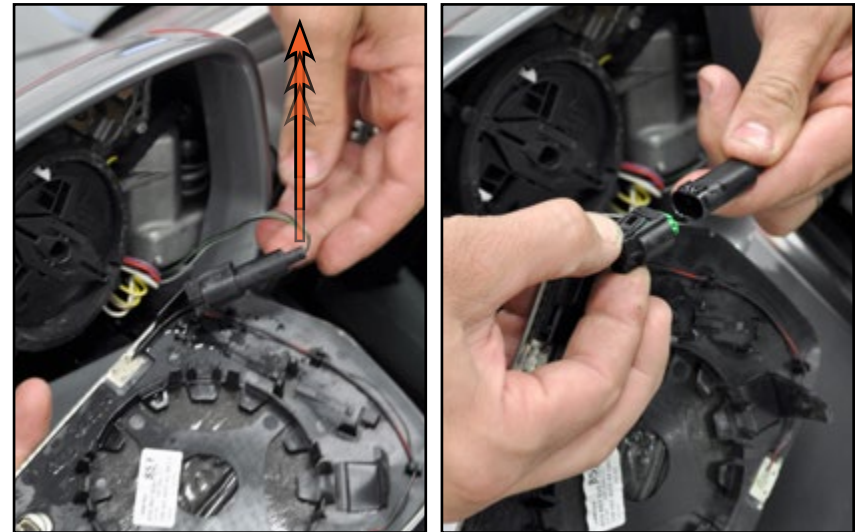


[Table of Contents](#)

REMOVING THE STOCK MIRROR CAPS

Step 3:

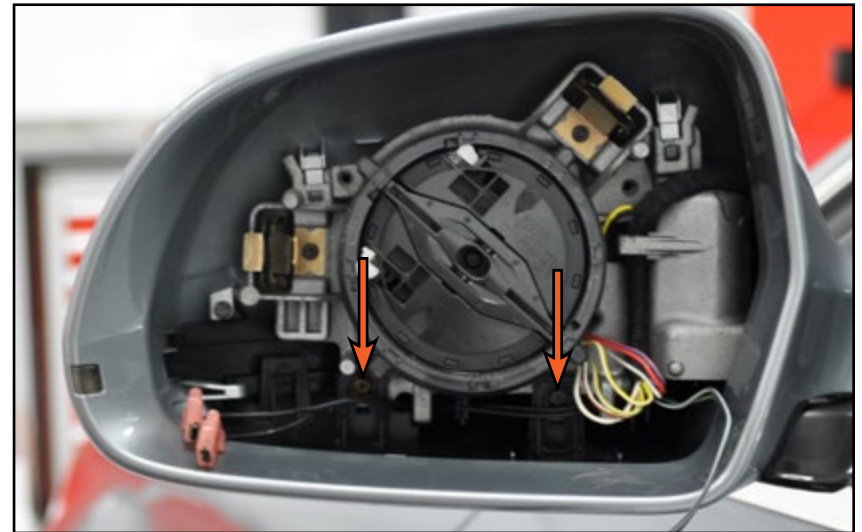
Gently pull up on the electrical connector to release it from the mirror glass, then disconnect the connector by pushing the release tab and pulling the connector off of the harness.



Step 4:

T10 Torx Driver - or - T10 Socket and Ratchet

Loosen and remove the two screws which secure the lower mirror trim to the mirror assembly.



[Table of Contents](#)

REMOVING THE STOCK MIRROR CAPS

Step 5:

The lower mirror trim is shown in the following two photos for reference purposes, let's take a closer look at what holds the mirror trim in place so you will be fully prepared to remove it:

If you have a 2009 Audi B8, your mirror trim will look like this:

The **BLUE** circles are used to highlight the small plastic "fingers" which secure the mirror trim to the housing directly underneath the mirror glass.

The **ORANGE** arrows indicate which direction the tabs need to be pushed/pulled in order to release the trim from the housing.

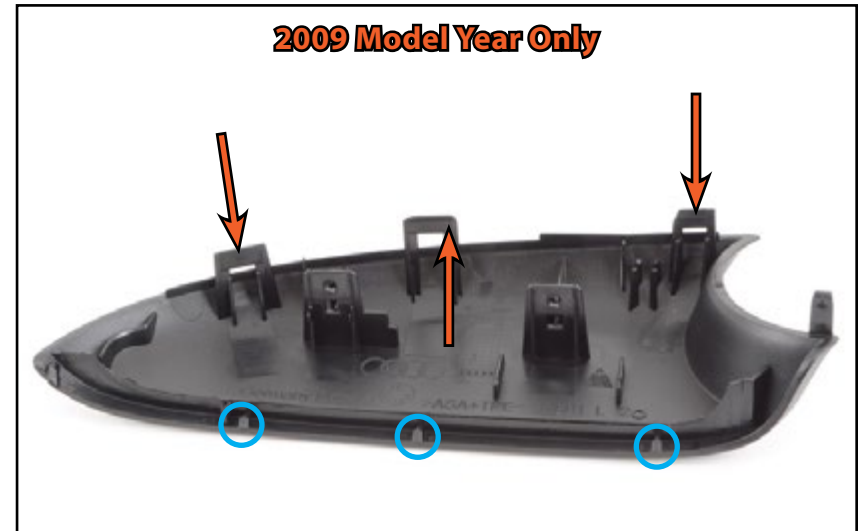
Step 6:

Trim Removal Tool

If you have a 2010+ Audi B8, your mirror trim will look like this:

The **BLUE** circles are used to highlight the plastic "fingers" which secure the mirror trim to the housing directly underneath the mirror glass.

The **ORANGE** arrows indicate which direction the tabs need to be pushed/pulled in order to release the trim from the housing.



[Table of Contents](#)

REMOVING THE STOCK MIRROR CAPS

Step 7: Trim Removal Tool

Begin by releasing the plastic “fingers” located directly underneath the mirror glass (LH photo), then release the three locking tabs. The locking tabs can be removed from behind as shown in the photo, OR they can generally be released from inside the mirror housing by reaching in past the mirror motor.

CAUTION

Take your time with this step and be gentle, the mirror trim is made of plastic and can be easily broken. Study the photos on [Page 8](#) to fully understand how the mirror trim is secured in place.

Step 8: Trim Removal Tool

Swing the lower mirror trim down and remove it from the mirror housing.

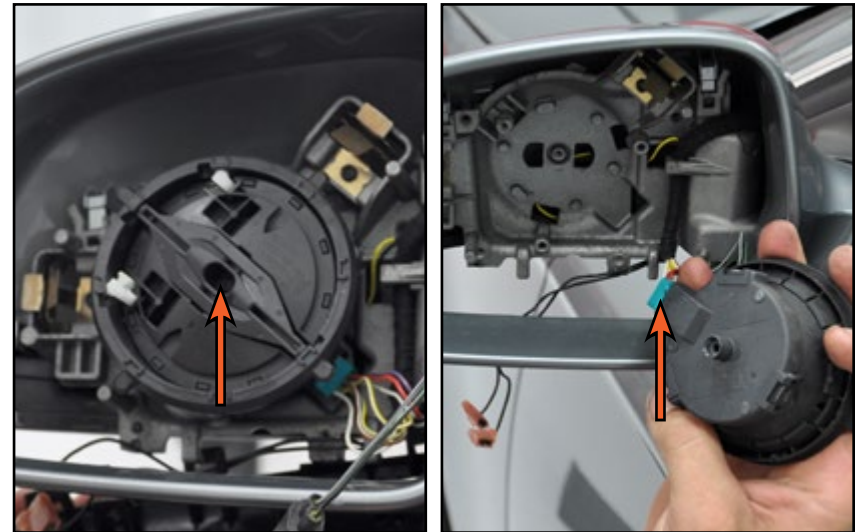


[Table of Contents](#)

REMOVING THE STOCK MIRROR CAPS

Step 9: T10 Torx Driver - or - T10 Socket and Ratchet

Loosen and remove the screw which secures the power mirror motor to the mirror assembly, then disconnect the harness and remove the motor.

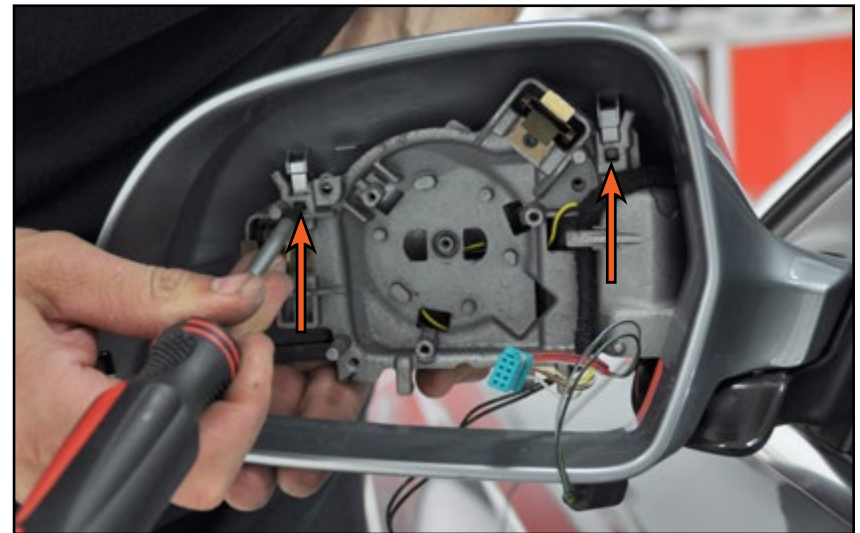


Step 10: Small Flat Blade Screwdriver

Locate the two release tabs for the mirror cap, then GENTLY push in on each tab to release the mirror cap from the assembly. Lift the mirror cap upwards approximately 1/4", then proceed to the next step.

CAUTION

Take your time with this step and be gentle, the mirror cap is made of plastic and can be easily broken. The release tabs only need to be pushed in approximately **1/8"** in order to unlock the mirror cap.

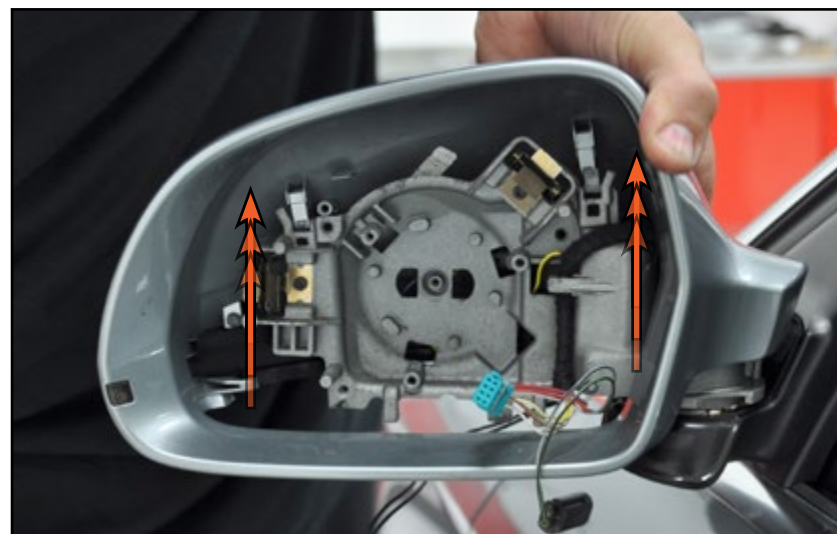


[Table of Contents](#)

REMOVING THE STOCK MIRROR CAPS

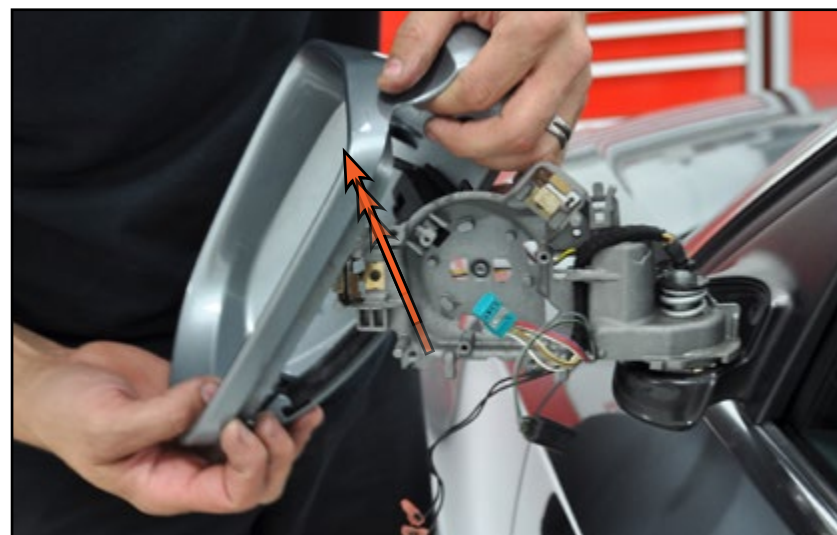
Step 11:

Ensure that all of the wires are clear of the mirror cap, lift the mirror cap upwards approximately 1", then proceed to the next step.



Step 12:

Pivot the mirror cap to the side in order to gain access to the mirror mounted turn signal.

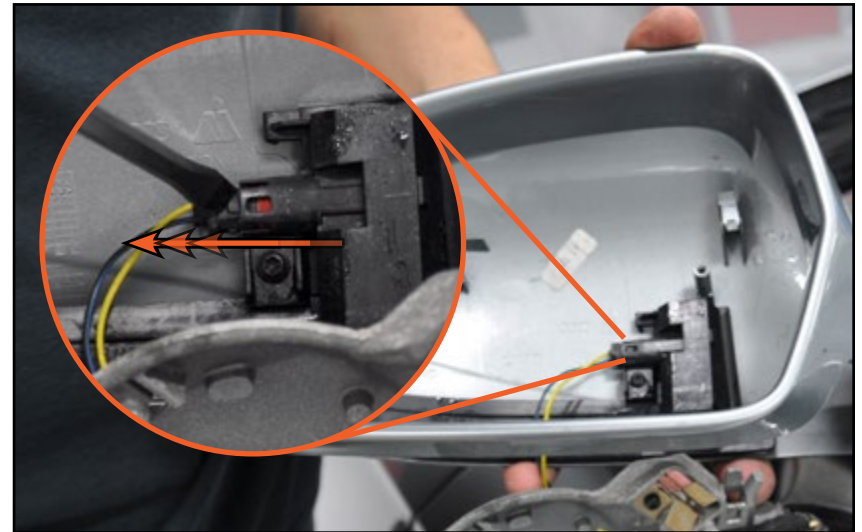


[Table of Contents](#)

REMOVING THE STOCK MIRROR CAPS

Step 13: Small Flat Blade Screwdriver

Release the connector for the mirror mounted turn signal by GENTLY pushing inwards on the locking tab on the connector with a screwdriver, then pulling the connector out of the turn signal. Remove the mirror cap from the vehicle.



Step 14: T10 Torx Driver - or - T10 Socket and Ratchet

Place the mirror cap on a suitable work surface, then loosen and remove the two screws which secure the mirror mounted turn signal to the mirror cap.

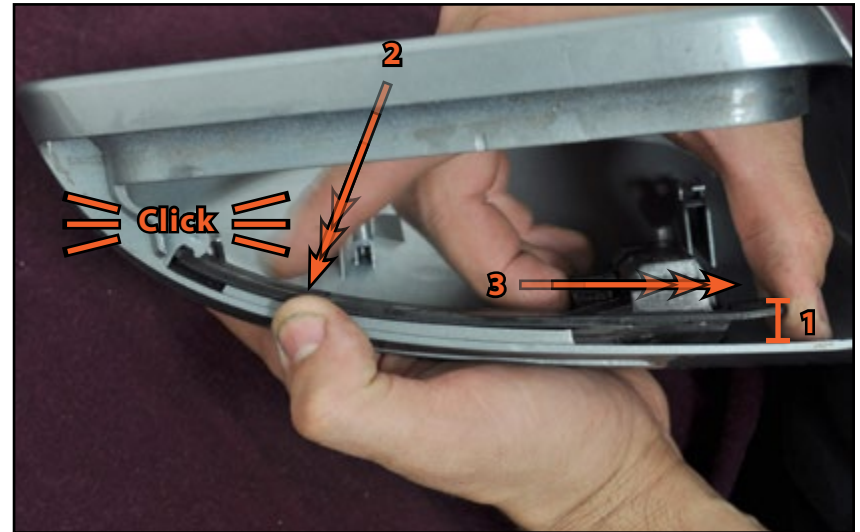


[Table of Contents](#)

REMOVING THE STOCK MIRROR CAPS

Step 15:

Gently pull up on the connector side of the turn signal approximately 1/4" (1), while simultaneously applying pressure with one finger to the other side of the turn signal near the locking tab (2), and pulling the turn signal towards the inside (3). You will hear a "click" when the retaining tab is released.



Step 16:

Once the turn signal is released from the mirror cap, pivot it upwards and remove it from the cap.



[Table of Contents](#)

INSTALLING THE CARBON FIBER MIRROR CAPS

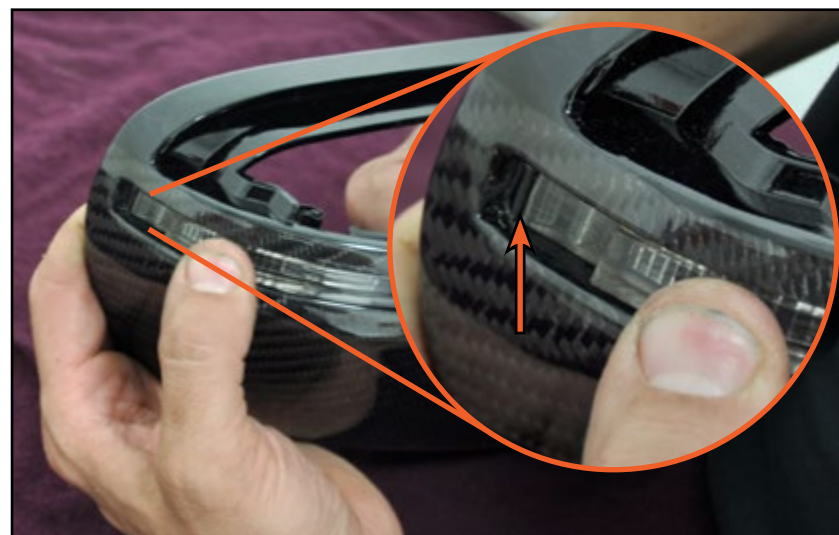
Step 1:

Gently slide the turn signal into place in the carbon fiber mirror cap in the reverse order of removal.



Step 2:

Carefully align the turn signal with the mirror cap, paying close attention to ensure that the turn signal slides into place in its groove as shown in the close up photo.



[Table of Contents](#)

INSTALLING THE CARBON FIBER MIRROR CAPS

Step 3:

Slide the turn signal into place until it "clicks" into the retaining tab



Step 4: T10 Torx Driver - or - T10 Socket and Ratchet

Reinstall the two screws which secure the turn signal to the mirror cap, tighten them until they are snug.



[Table of Contents](#)

INSTALLING THE CARBON FIBER MIRROR CAPS

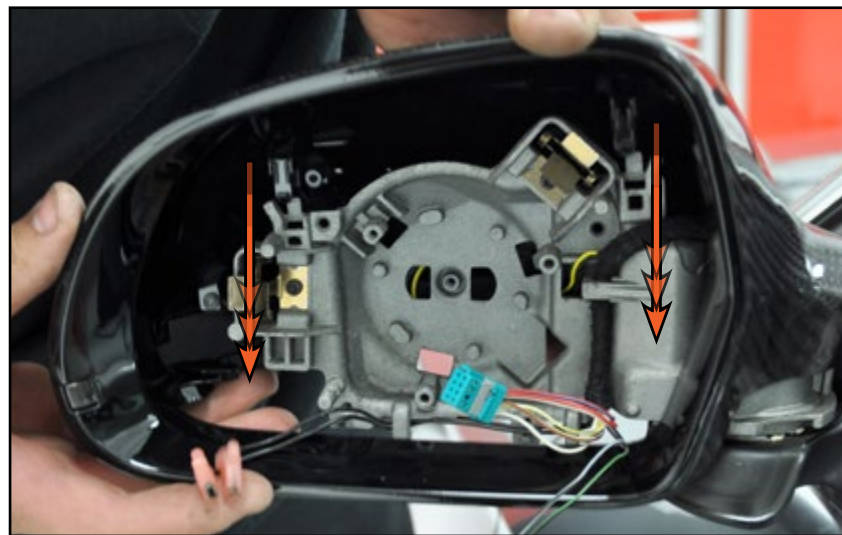
Step 5:

Begin to place the new mirror cap onto the mirror assembly, then reconnect the turn signal harness to the mirror-mounted turn signal.



Step 6:

Install the new mirror cap onto the mirror assembly, carefully line up the two release tabs and ensure that none of the wires are pinched.

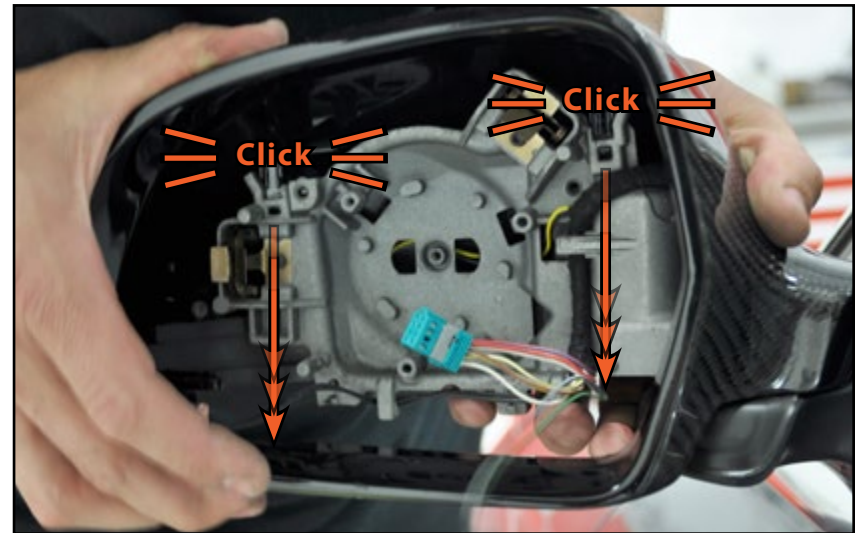


[Table of Contents](#)

INSTALLING THE CARBON FIBER MIRROR CAPS

Step 7:

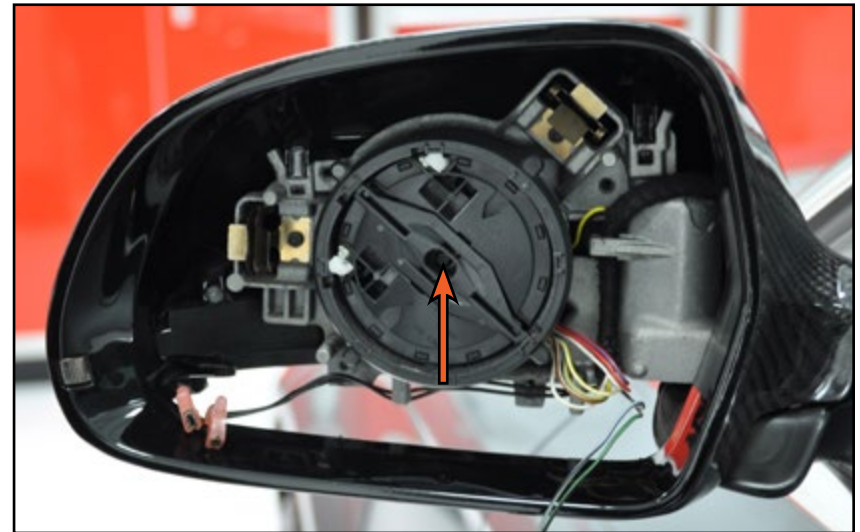
Gently push down on the mirror cap until the two retaining tabs “click” into place.



Step 8:

T10 Torx Driver - or - T10 Socket and Ratchet

Reconnect the power mirror motor harness, then reinstall the motor and tighten the mounting screw until it is snug.

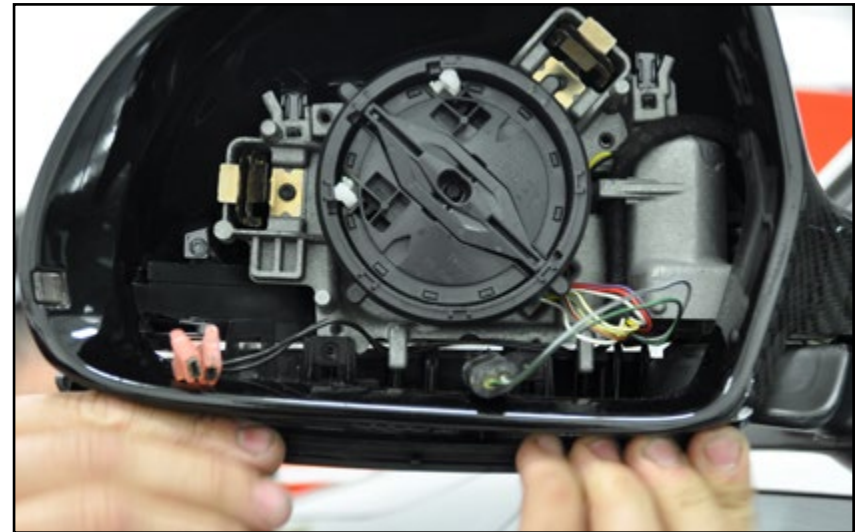


[Table of Contents](#)

INSTALLING THE CARBON FIBER MIRROR CAPS

Step 9:

Install the lower mirror trim in the reverse order of removal.

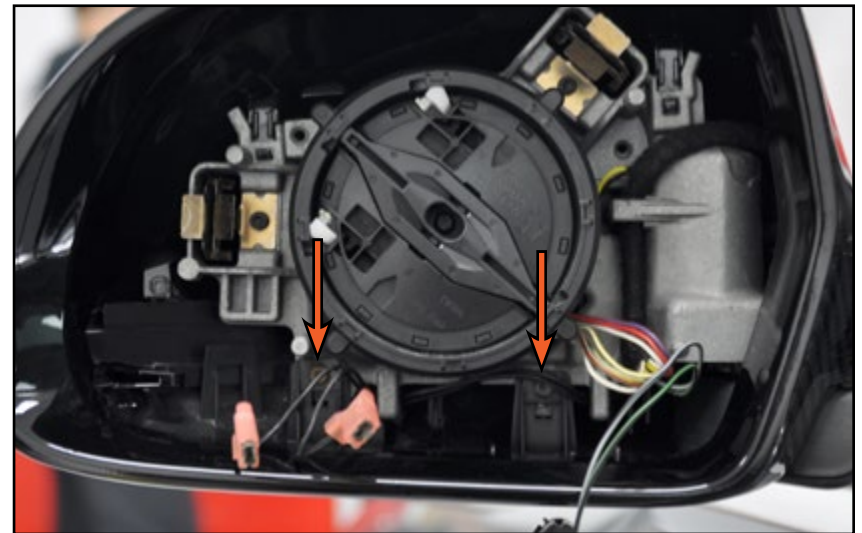


Step 10: T10 Torx Driver - or - T10 Socket and Ratchet

Install the two screws which secure the lower mirror trim to the mirror assembly and tighten them until they are snug.

CAUTION

Please ensure that no wires are pinched while installing these screws, also ensure that the wires are routed exactly as shown in the photo.

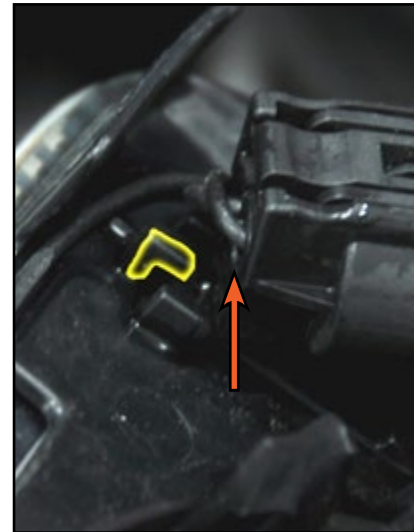


[Table of Contents](#)

INSTALLING THE CARBON FIBER MIRROR CAPS

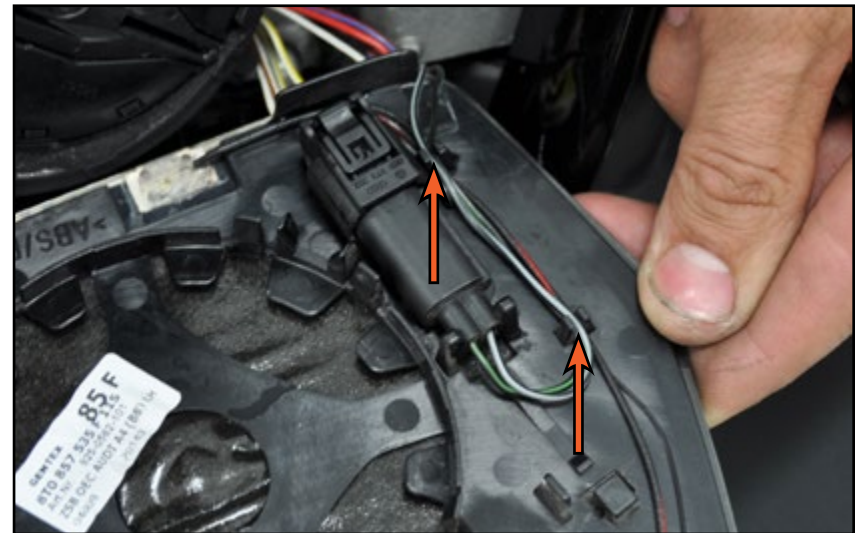
Step 11:

Now it's time to reconnect the mirror glass, begin by reconnecting the electrical connector. Next, observe the plastic "finger" (highlighted in YELLOW) which is built into the back of the mirror glass, this finger is used to retain the back side of the electrical connector, it corresponds with a matching pocket in the connector (arrow). Slide the electrical connector over the finger, then "click" the front side of the connector into the retaining tab (RH photo).



Step 12:

Secure the wiring harness into the retainers on the back of the mirror glass as shown in the photo.



[Table of Contents](#)

INSTALLING THE CARBON FIBER MIRROR CAPS

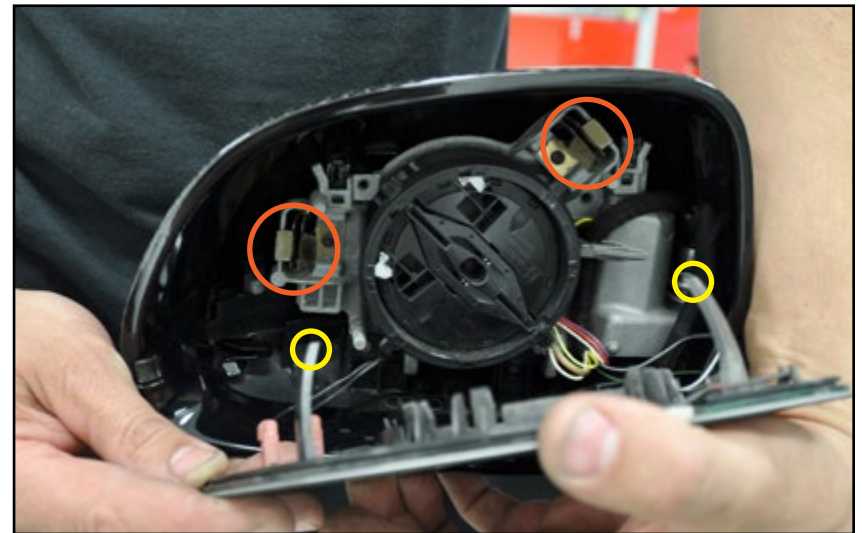
Step 13:

Reconnect the mirror heater wires to the back of the mirror glass.



Step 14:

Now it's time to reattach the mirror glass to the mirror assembly, let's begin by looking at how the glass attaches to the housing. Observe the plastic "fingers" (YELLOW circles) which are built into the back of the mirror glass, these fingers are designed to slide into the clips in the mirror housing (ORANGE circles). It is EXTREMELY important that you ensure that the plastic fingers slide INTO the clips, the mirror glass will not be secure if they miss the clips during installation. You can now proceed to the next step:



[Table of Contents](#)

INSTALLING THE CARBON FIBER MIRROR CAPS

Step 15:

Install the mirror glass into place, ensuring that the fingers slide into each clip, then gently push the mirror inward until it “clicks” into place.



Step 16:

Repeat this process on the opposite mirror.














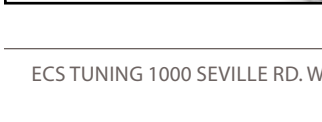
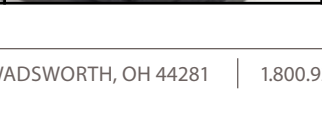

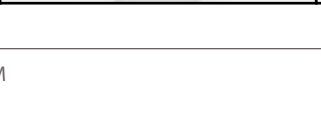
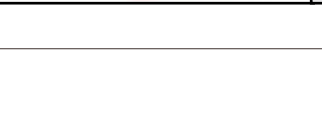
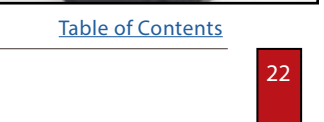


Your Audi B8 Carbon Fiber Mirror Cap Set installation is complete!

[Table of Contents](#)

SCHWABEN - BUILD THE ULTIMATE TOOL COLLECTION

At ECS Tuning, we carry a line of high quality Schwaben Tools and Equipment to help you build your ultimate tool collection. Never before has affordability and quality been so closely related. Our entire Schwaben line is subjected to strict in house testing for strength and durability. See what we have to offer and equip your garage without breaking the bank.

					
	<u>Breaker Bar</u>	<u>Scraper, Hook, & Pick Set</u>	<u>Sockets</u>		
	<u>Creepers</u>	<u>Camshaft Tools</u>	<u>E-Drive Sockets</u>		
	<u>Gloves</u>	<u>Fan Clutch Wrenches</u>	<u>Car Ramps</u>		
	<u>Engine Bars</u>	<u>Tie Rod Tools</u>	<u>Torx Drivers</u>		
	<u>Screwdrivers</u>	<u>Brake Fluid Catch Bottle</u>	<u>Jack Stands</u>		
	<u>Pressure Bleaders</u>	<u>Tube Cutter</u>	<u>Circuit Tester</u>		
	<u>Lighting</u>	<u>Booster Cables</u>	<u>Ratchets</u>		
	<u>Pry Bars</u>	<u>Oil Filter Tools</u>	<u>Exhaust Hanger Pliers</u>		
	<u>Coil Spring Compressors</u>	<u>Service Carts</u>	<u>Bubble Flaring Tool</u>		
	<u>Camber Gauge</u>	<u>Battery Charger</u>	<u>Thread Chaser</u>		
	<u>Hose Pinch Pliers</u>	<u>Stethoscope</u>	<u>Drain Pans</u>		
	<u>Wheel Bolt Pattern Gauge</u>	<u>Battery Terminal Brush</u>	<u>Wrenches</u>		
	<u>Ball Joint Separator</u>	<u>Wheel Chocks</u>	<u>Impact Sockets</u>		
	<u>Vanos Solenoid Socket</u>	<u>Torx Sockets</u>	<u>Torque Wrenches</u>		
					

[Table of Contents](#)

Your Audi B8 Carbon Fiber Mirror Cap Set installation is complete!



These instructions are provided as a courtesy by ECS Tuning

Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

Although this material has been prepared with the intent to provide reliable information, no warranty (express or implied) is made as to its accuracy or completeness. Neither is any liability assumed for loss or damage resulting from reliance on this material. SPECIFICALLY, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER WARRANTY IS MADE OR TO BE IMPLIED WITH RESPECT TO THIS MATERIAL. In no event will ECS Tuning, Incorporated or its affiliates be liable for any damages, direct or indirect, consequential or compensatory, arising out of the use of this material.