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REQUIRED TOOLS

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

Standard Automotive Tools

- **Protecta-Sockets (for lug nuts)** [ES#2221243](#)
- **3/8" Drive Ratchet** [ES#2765902](#)
- **3/8" Drive Torque Wrench** [ES#2221245](#)
- **3/8" Drive Deep and Shallow Sockets** [ES#2763772](#)
- **3/8" Drive Extensions** [ES#2804822](#)
- **Hydraulic Floor Jack** [ES#240941](#)
- **Torx Drivers and Sockets** [ES#11417/8](#)
- 1/2" Drive Deep and Shallow Sockets [ES#2839106](#)
- 1/2" Drive Ratchet
- 1/2" Drive Extensions
- 1/2" Drive Torque Wrench [ES#2221244](#)
- 1/2" Drive Breaker Bar [ES#2776653](#)
- Bench Mounted Vise
- Crows Foot Wrenches
- Hook and Pick Tool Set [ES#2778980](#)

Required For This Install

- **1/4" Drive Ratchet** [ES#2823235](#)
- **1/4" Drive Deep and Shallow Sockets** [ES#2823235](#)
- **1/4" Drive Extensions** [ES#2823235](#)
- Plier and Cutter Set [ES#2804496](#)
- **Flat and Phillips Screwdrivers** [ES#2225921](#)
- **Jack Stands** [ES#2763355](#)
- Ball Pein Hammers
- **Pry Bar Set** [ES#1899378](#)
- Electric/Cordless Drill
- Wire Strippers/Crimpers
- Drill Bits
- Punch and Chisel Set
- **Hex Bit (Allen) Wrenches and Sockets** [ES#11420](#)
- Thread Repair Tools [ES#1306824](#)
- Open/Boxed End Wrench Set [ES#2765907](#)

Available On Our Website

SHOP SUPPLIES AND MATERIALS

Standard Shop Supply Recommendations: We recommend that you have a standard inventory of automotive shop supplies before beginning this or any automotive repair procedure. The following list outlines the basic shop supplies that we like to keep on hand. Shop supplies with a hyperlink are available on our website.

- Hand Cleaner/Degreaser - [Click Here](#)
- Pig Mats - for protecting your garage floor and work area from spills and stains - [Click Here](#)
- Spray detailer - for rapid cleaning of anything that comes into contact with your paint such as brake fluid - [Click Here](#)
- Micro Fiber Towels - for cleaning the paint on your car - [Click Here](#)
- Latex Gloves - for the extra oily and dirty jobs - [Click Here](#)
- Medium and High Strength Loctite Thread lock compound - to prevent bolts from backing out - [Click Here](#)
- Anti-Seize Compound - to prevent seizing, galling, and corrosion of fasteners - [Click Here](#)
- Aerosol Brake/Parts Cleaner - for cleaning and degreasing parts
- Shop Rags - used for wiping hands, tools, and parts
- Penetrating oil - for helping to free rusted or stuck bolts and nuts
- Mechanics wire - for securing components out of the way
- Silicone spray lube - for rubber components such as exhaust hangers
- Paint Marker - for marking installation positions or bolts during a torquing sequence
- Plastic Wire Ties/Zip Ties - for routing and securing wiring harnesses or vacuum hoses
- Electrical tape - for wrapping wiring harnesses or temporary securing of small components

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.
- Whether lifting a vehicle using an automotive lift or a hydraulic jack, be sure and 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, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

REMOVING THE ORIGINAL MOUNT

Step 1: Flat Head Screwdriver

Safely raise and support the car, then remove the retaining screws by turning them 90 degrees with a flat head screwdriver.



Step 2: T25 Torx

In order to gain access to the snub mount we must first put the vehicle into service mode. Raise the hood, then remove the six screws holding the fender liners in place.



REMOVING THE ORIGINAL MOUNT

Step 3:

Gently pry the front grilles from the vehicle and set them aside.



Step 4: 6mm Hex (Allen) Socket & Ratchet

Remove the two bumper mounting bolts.



REMOVING THE ORIGINAL MOUNT

Step 5:

Next we have to remove the front bumper, this task is far easier with an extra set of hands to help.

The bumper retaining clips are on each side of the vehicle in front of the wheels. They are C-shaped and clamp the bumper from both above and below. To release the clips, pull the bumper as far back (towards the rear of the vehicle) as possible then, pull the top corner of the bumper away from the body and downward at the same time to release the top clips.

Step 6:

Grab the bottom corner of the bumper and pull upward and forward to release the bottom clip. Repeat this process for the clips on the other side of the bumper.



REMOVING THE ORIGINAL MOUNT

Step 7:

Slide the bumper away from the bumper supports slightly.

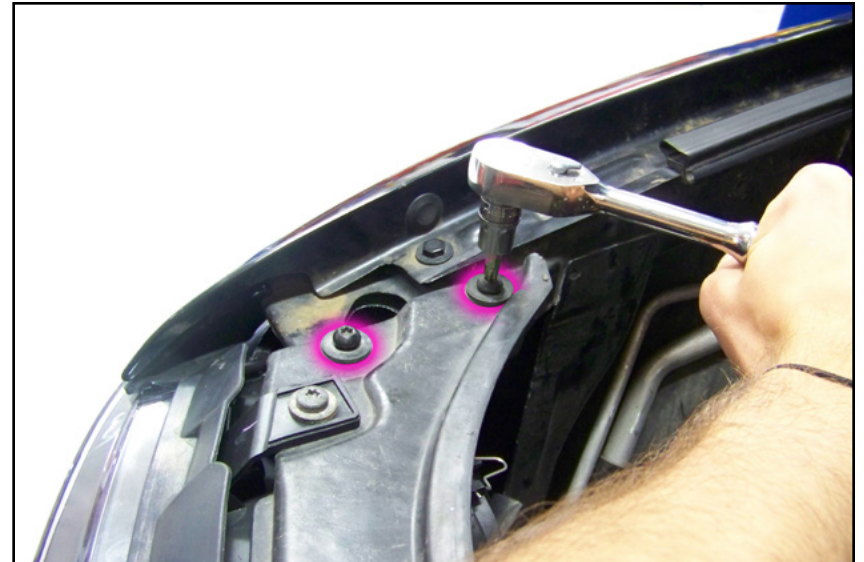
Clamp the headlight washer fluid line (on the left side of the bumper) with a hose clamp or vise grips to prevent spilling. Be careful not to use too much pressure or you may damage the line. Disconnect the line and, if present, the fog light harnesses.

Remove the bumper completely, using a helper, if possible. Set it down on a towel or similar soft surface to prevent scratching.



Step 8: T30 Torx

Remove the two upper core support screws on each side.



REMOVING THE ORIGINAL MOUNT

Step 9: T30 Torx

Remove the core support screws located fore of the wheel arches. There are two screws total, one on each side.



Step 10: T45 Torx

Remove the three bumper support bolts on each side.



REMOVING THE ORIGINAL MOUNT

Step 11: 10mm Hex (Allen) Socket & Ratchet

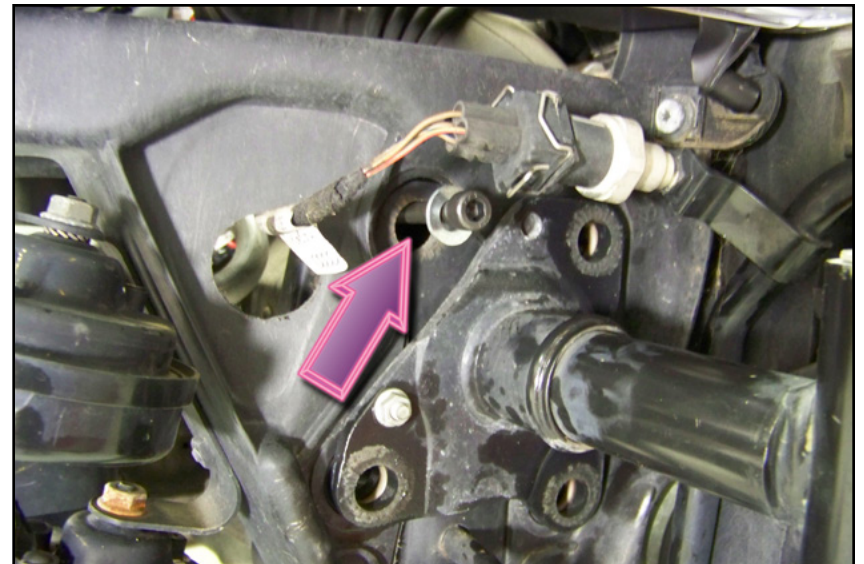
Screw the two bolts you removed from the bumper support arms into the top outer holes as shown. These will hold the core support when you slide it forward.



Step 12:

Make sure the support bolts are mounted sturdily. When you slide the core support forward, be careful not to stress the radiator and intake charge hoses.

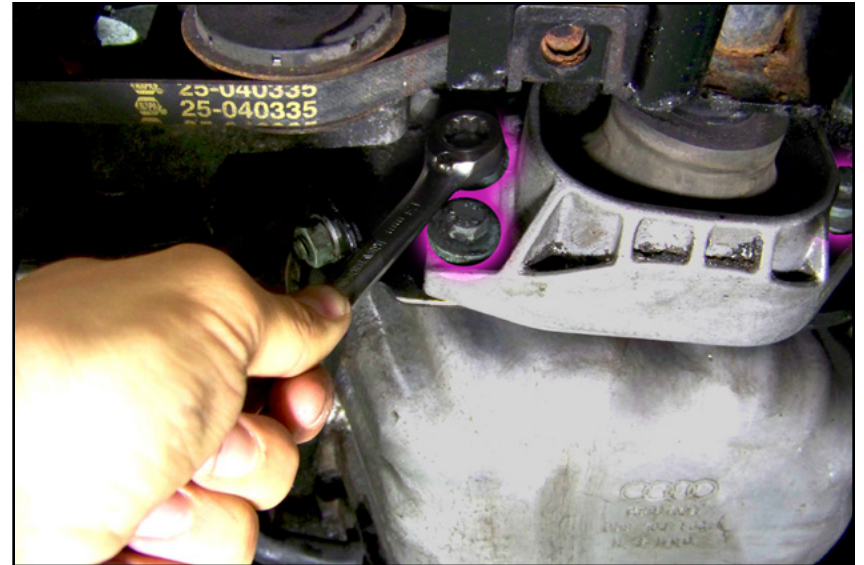
The core support is now positioned to allow you to replace the snub mount.



REMOVING THE ORIGINAL MOUNT

Step 13: 13mm Wrench

Remove the three bolts holding the snub mount basket to the engine.



Step 14: Pry Bar

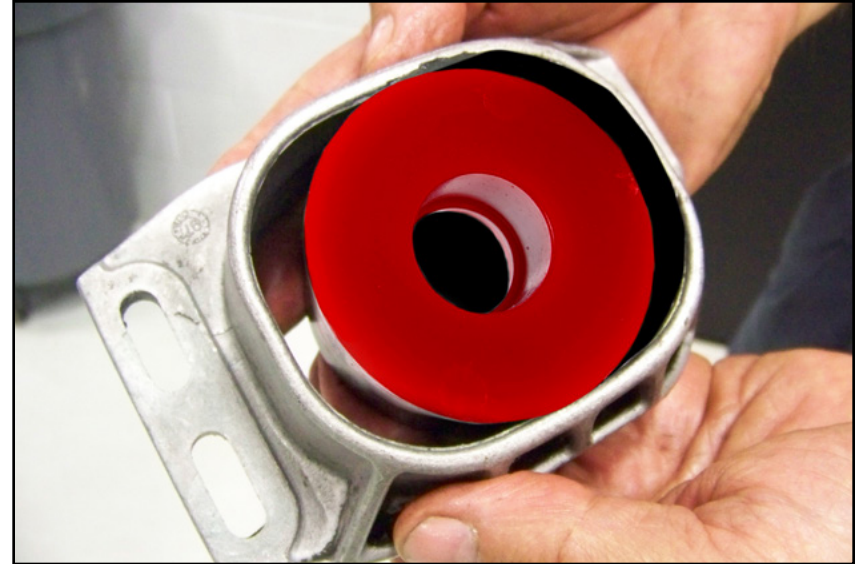
Slide the mount basket forward and off of the engine. You may need to use a pry bar to pry the old snub mount off the core support.



INSTALLING THE NEW MOUNT

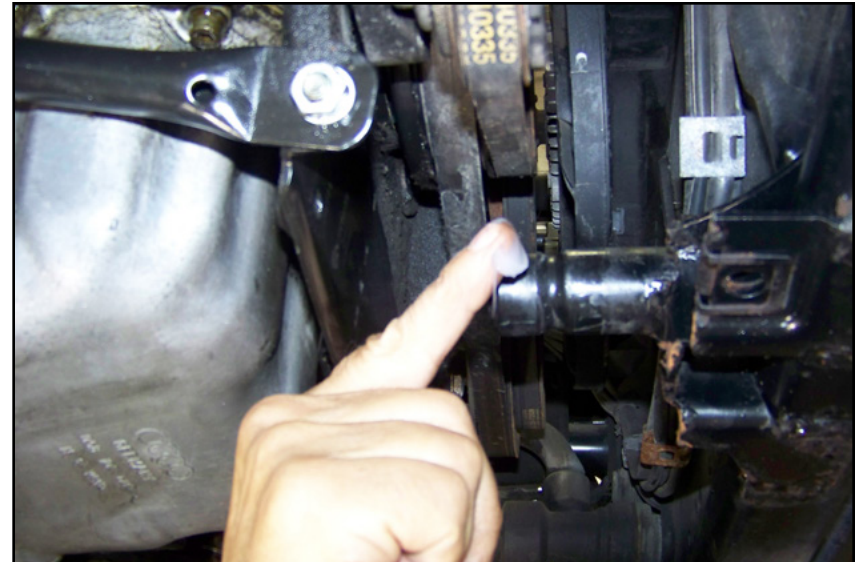
Step 1:

The ECS Tuning Heavy Duty snub mount fits inside the mount basket, as shown. Make sure you can see the inner ridge from this angle. It must engage with the groove on the mount stub on the core support.



Step 2:

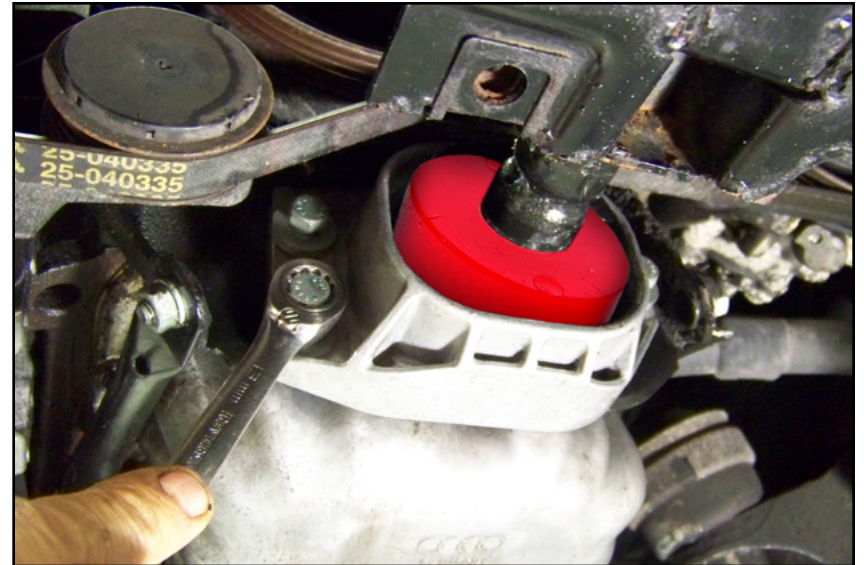
Apply a film of polyurethane-safe grease to the mount stub on the core support. This will help the snub mount press onto the mount stub.



INSTALLING THE NEW MOUNT

Step 3:

Place the basket with the new snub mount in place. Install the three mount basket bolts loosely. Make sure the hole in the snub mount is aligned with the mount stub. It does not need to be fully pressed on in this step.



Step 4:

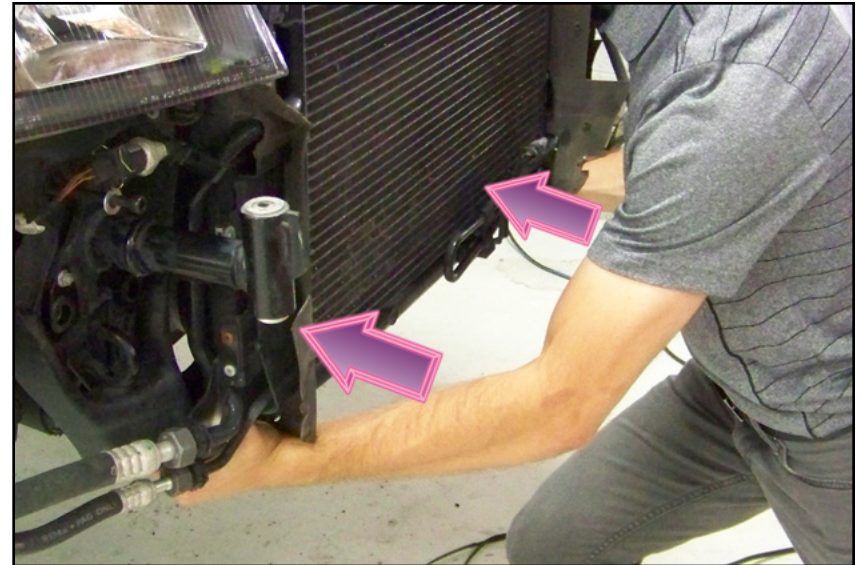
Slide the top of the core support back into place. Install the four topmost core support screws to give you leverage for the next step.



INSTALLING THE NEW MOUNT

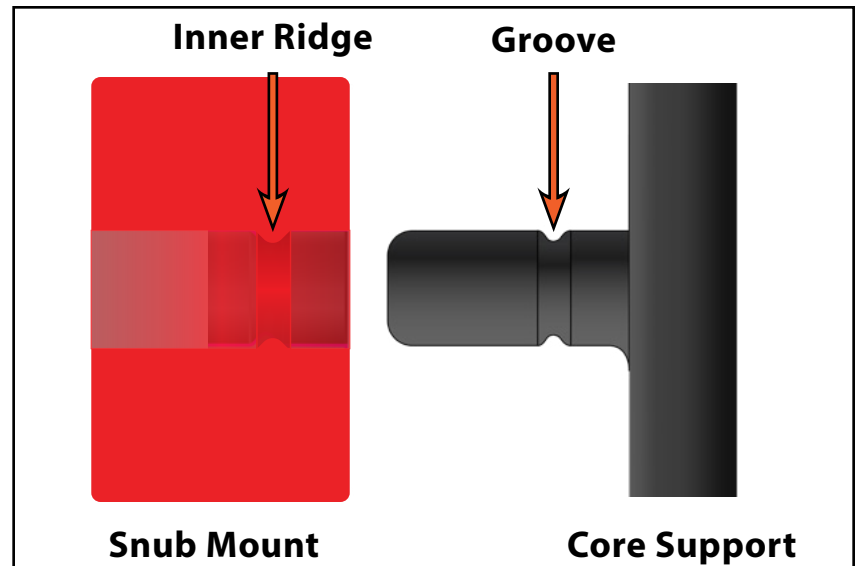
Step 5:

With the snub mount aligned properly and the top four core support screws in place, push the bottom of the core support inwards.



Step 6:

You will feel the snub mount press into place when the inner ridge engages with the groove of the core support stub.



INSTALLING THE NEW MOUNT

Step 7: 13mm Socket & Torque Wrench

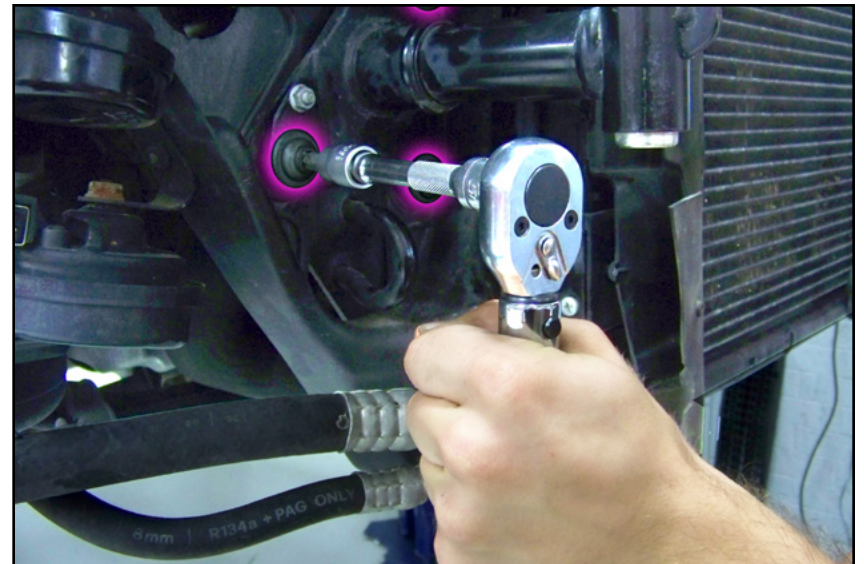
Start the engine. Let it idle for a moment to settle the mount, then shut it off. Torque the three bolts to 18ft-lbs.



Step 8:

Assembly is the reverse of disassembly.

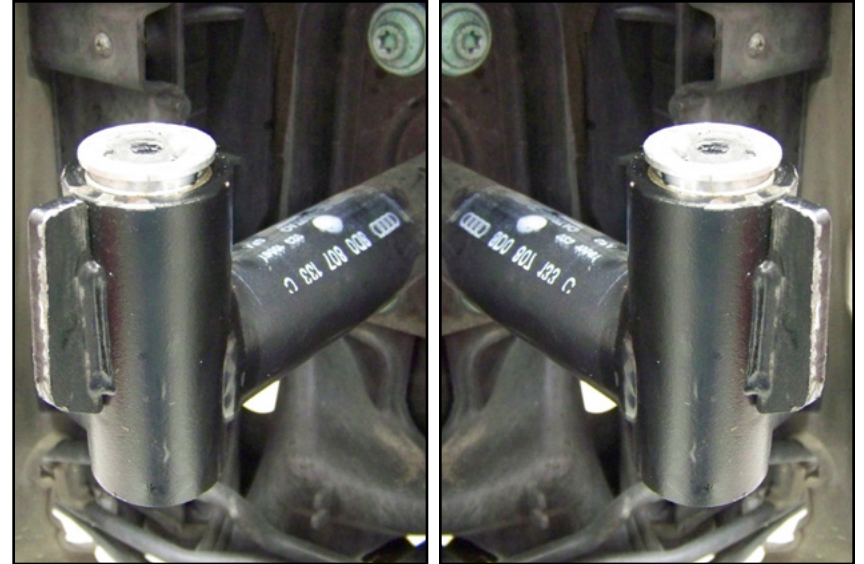
Torque the six bumper support bracket bolts to 33ft-lbs.



INSTALLING THE NEW MOUNT

Step 9:

Before you continue, thread the height adjusters up or down to designate where the bumper sits vertically.



Step 10: 6mm Hex (Allen) Socket & Ratchet

To aid in the reinstallation of the bumper, clean the bumper mount brackets and apply a thin film of silicone lubricant to the three clips.

Install the bumper and torque the two bumper mount bolts to 17 ft-lbs.

Replace all hoses, wiring, and trim pieces. Tighten all bolts and screws.



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.



Your Performance Snub Mount 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.

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