



Audi 8Y RS3 Carbon Fiber Charge Pipe Kit Installation Instructions - [Click HERE to Shop](#)



Skill Level
2 - Moderate
Some Experience
Recommended



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.

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#2834951](#)
- **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

Available On Our Website

- **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](#)

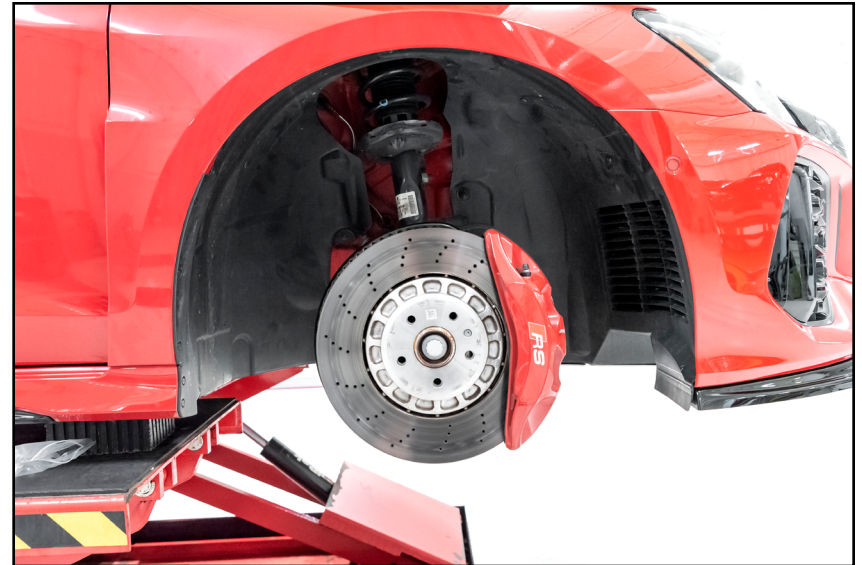
Specialty Tools

- **Protecta-Sockets (for lug nuts)** [ES#2221243](#)
- **Triple Square Socket Set** [Click HERE to Shop](#)

REMOVING THE STOCK CHARGE PIPES

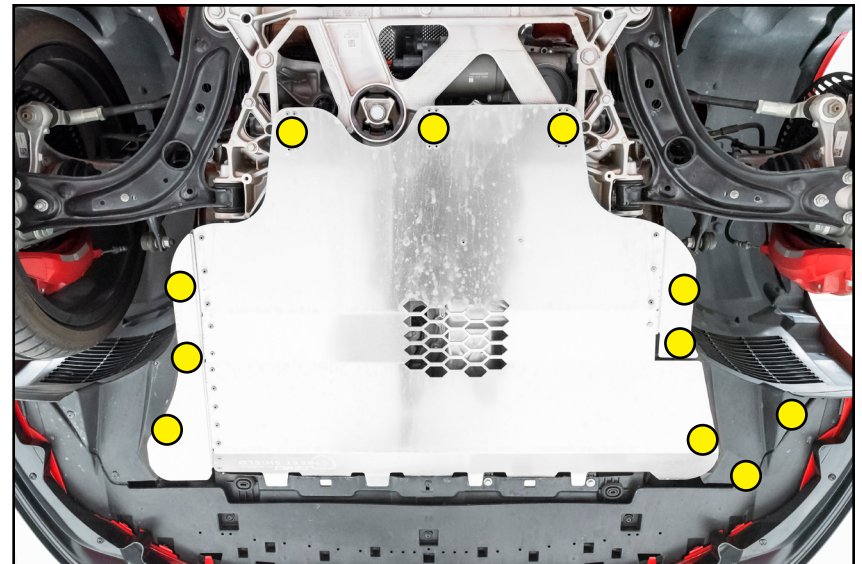
Step 1: 17mm Socket & Breaker Bar

Safely lift and support the vehicle and remove the front right wheel.



Step 2: T25, T45 Torx Socket & Ratchet

Remove the fasteners (**YELLOW** circles) which secure the skid plate and front right fender liner to the underside of the vehicle. Remove the skid plate.



REMOVING THE STOCK CHARGE PIPES

Step 3: Pick, T25 Torx, 10mm Socket & Ratchet

Remove the fasteners and plastic push rivets which secure the front right fender liner in place, then remove the fender liner from the vehicle.



Step 4: 7mm Socket & Ratchet

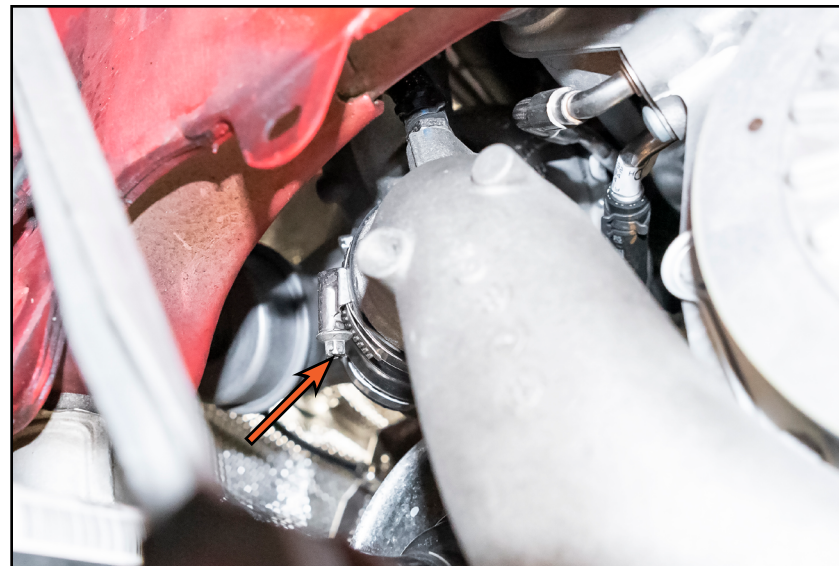
Loosen the clamp (arrow) and pull the intercooler inlet hose free from the stock turbo outlet pipe.



REMOVING THE STOCK CHARGE PIPES

Step 5: 7mm Socket & Ratchet

Loosen the clamp (arrow) which secures the turbo outlet pipe to the turbo outlet coupler.



Step 6: Angled Needle Nose Pliers

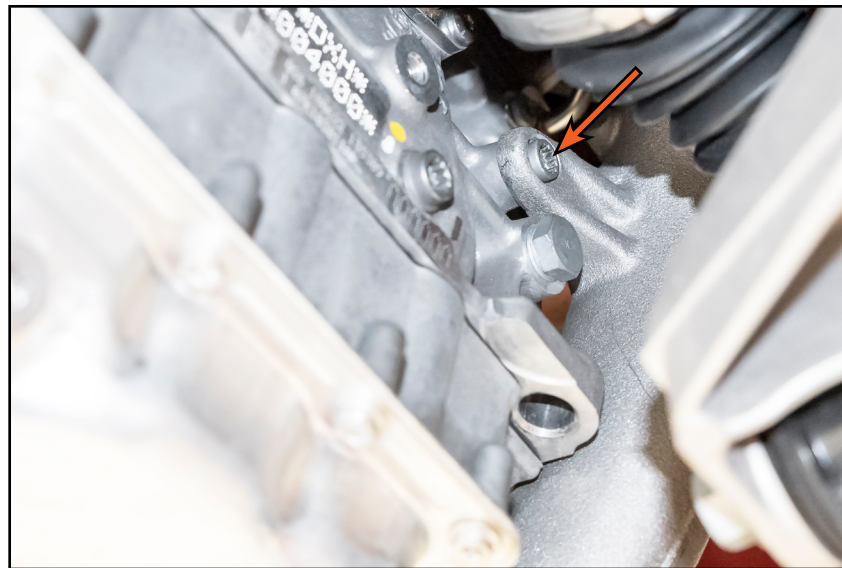
Compress the clamp and pull the PCV hose (highlighted in **RED**) off of the fitting on the top of the turbo outlet pipe.



REMOVING THE STOCK CHARGE PIPES

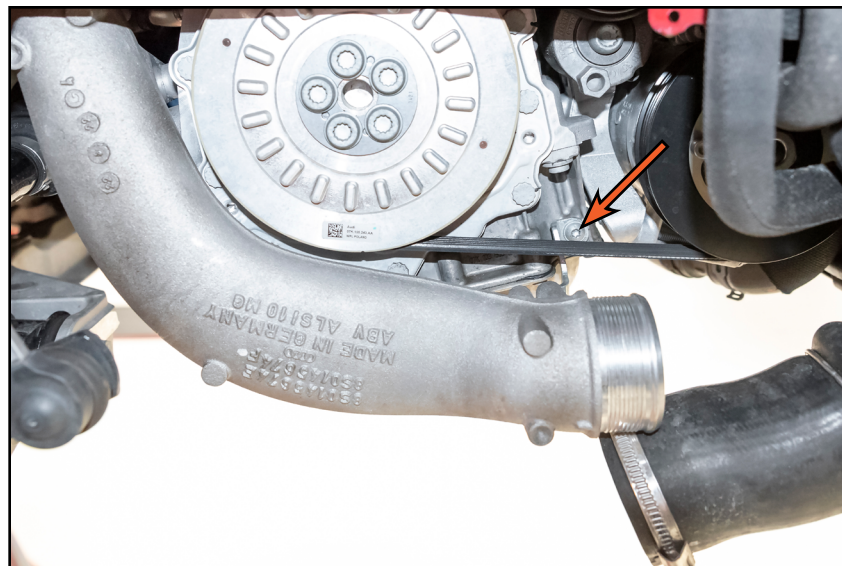
Step 7: M10 Triple Square Socket & Ratchet

Remove the bolt (arrow) which secures the turbo outlet pipe to the back of the engine.



Step 8: T30 Torx Socket & Ratchet

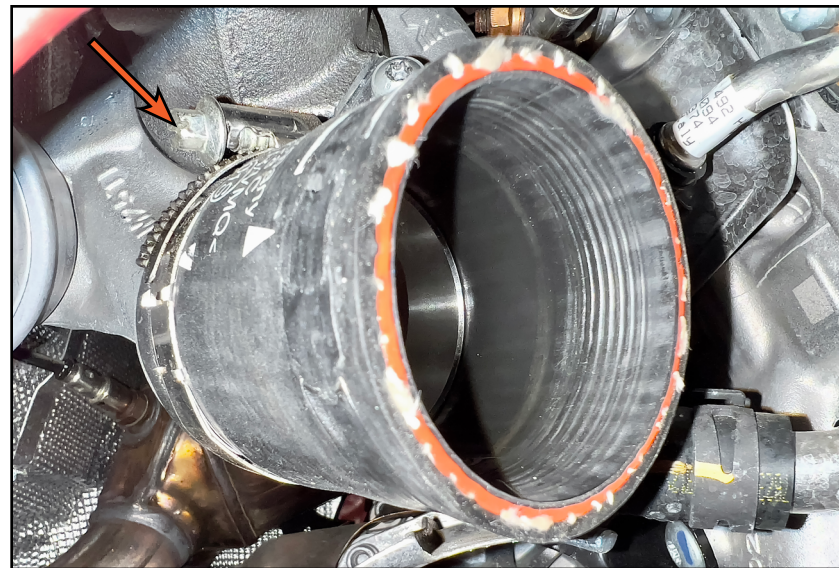
Remove the bolt (arrow) which secures the turbo outlet pipe to the side of the engine, then remove the pipe.



REMOVING THE STOCK CHARGE PIPES

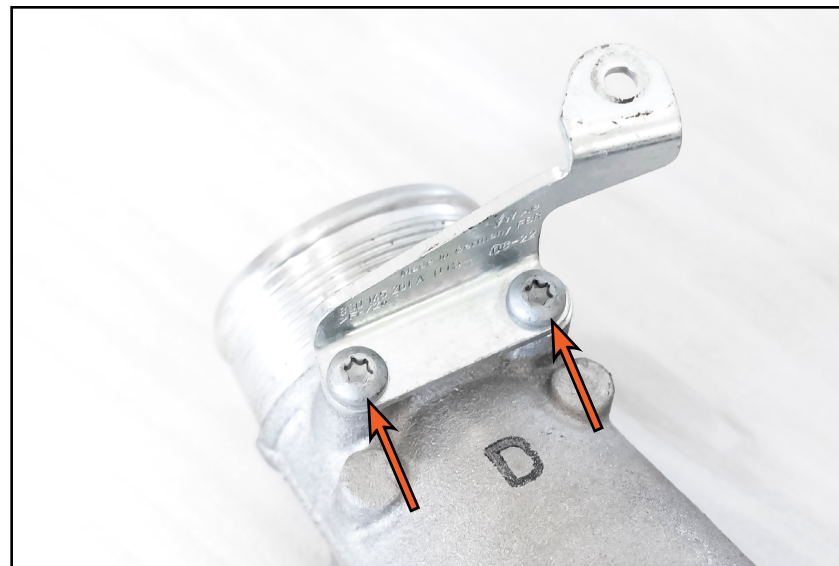
Step 9: 7mm Socket & Ratchet

Loosen the clamp (arrow) and pull the stock turbo outlet coupler off of the turbo.



Step 10: T30 Torx Socket & Ratchet

Remove the two bolts (arrows) which secure the mounting bracket to the turbo outlet pipe.



REMOVING THE STOCK CHARGE PIPES

Step 11: T25 Torx Socket & Ratchet

Remove the two screws (arrows) and remove the air inlet duct.



Step 12: 7mm Socket & Ratchet

Loosen the lower clamp (arrow) which secures the stock throttle pipe to the throttle body coupler.



REMOVING THE STOCK CHARGE PIPES

Step 13: 7mm Socket & Ratchet

Loosen the clamp (arrow) and pull the intercooler outlet hose free from the stock throttle pipe.



Step 14: 10mm Socket & Ratchet

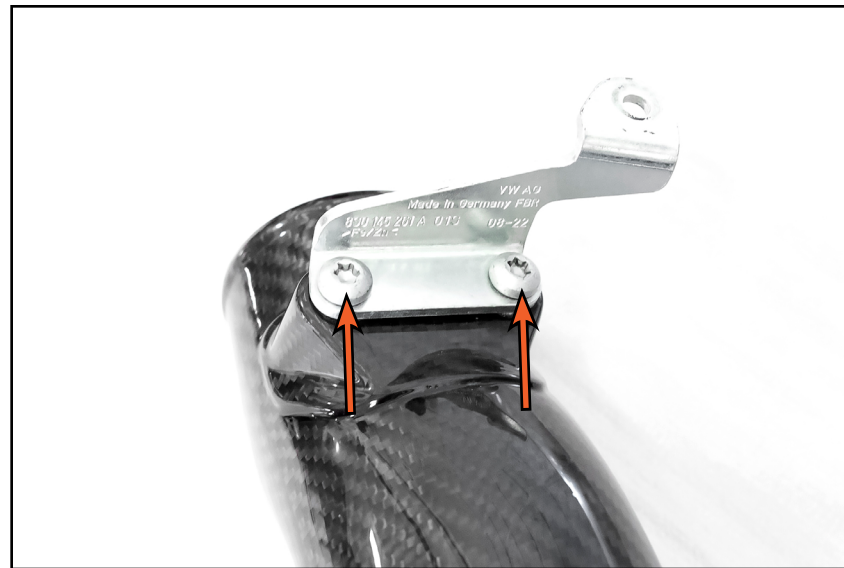
Remove the nut (arrow) which secures the throttle pipe to the front of the engine, then remove the pipe.



INSTALLING THE NEW CHARGE PIPE KIT

Step 1: T30 Torx Socket & Ratchet

Transfer the mounting bracket to the new turbo outlet pipe and tighten the screws (arrows) until snug.



Step 2: 7mm Socket & Ratchet

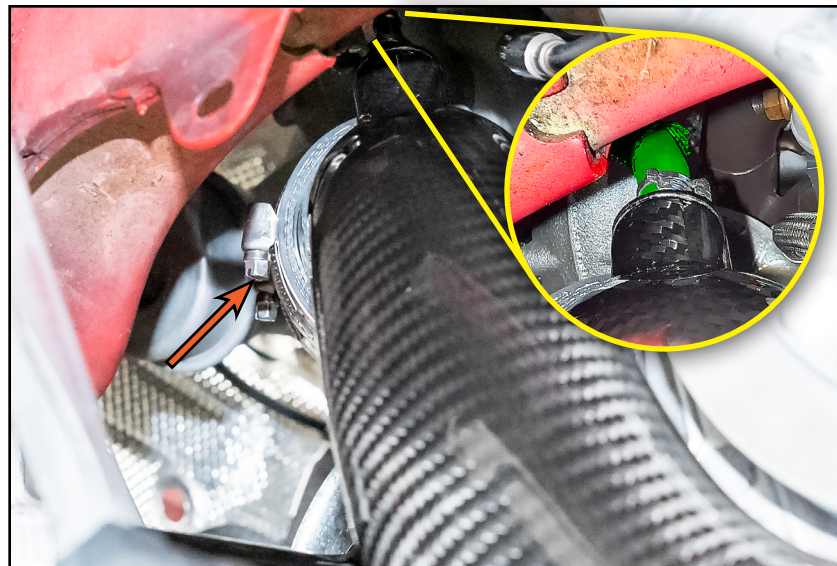
Slide the new turbo outlet coupler onto the turbo, then tighten the clamp (arrow) until snug.



INSTALLING THE NEW CHARGE PIPE KIT

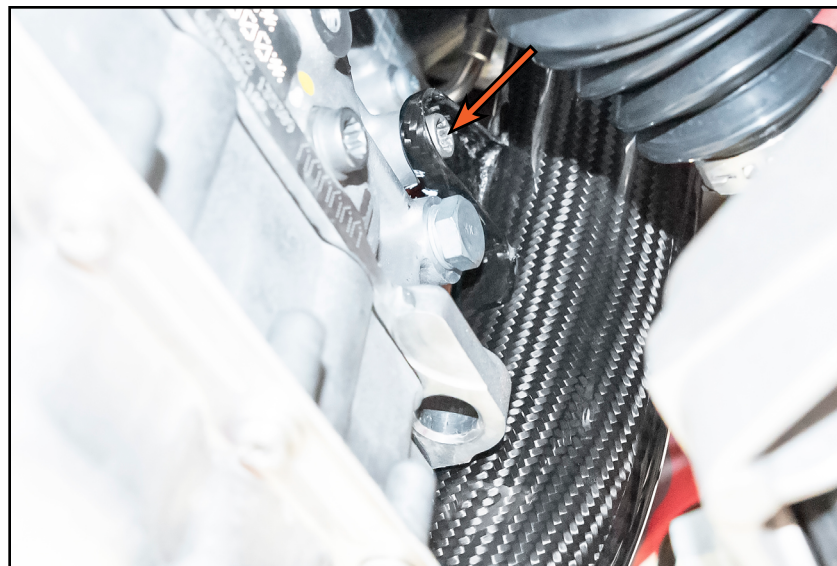
Step 3: Angled Needle Nose Pliers

Slide the other clamp (arrow) onto the end of the coupler, then slide the new turbo outlet pipe into the coupler as shown. Reconnect the PCV hose (highlighted in **GREEN** in inset photo) to the fitting on the top of the new pipe.



Step 4: M10 Triple Square Socket & Torque Wrench

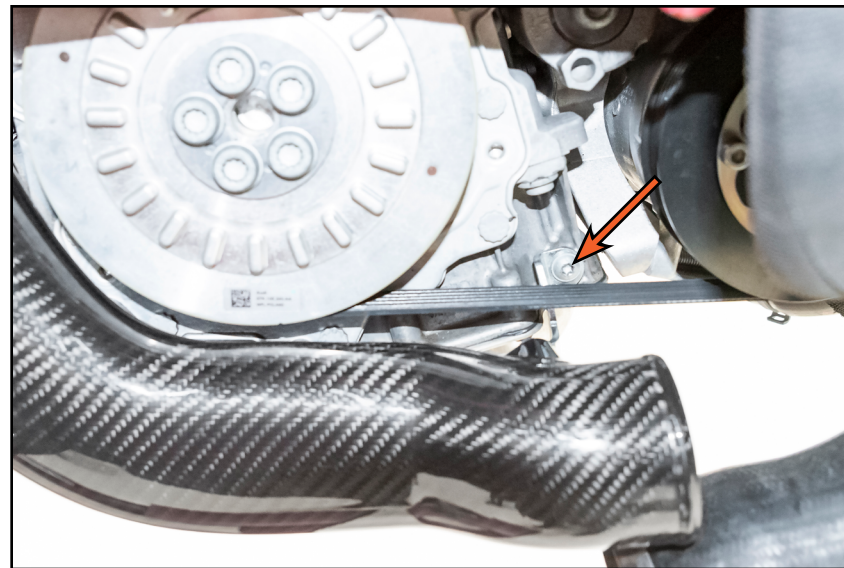
Replace the bolt (arrow) which secures the turbo outlet pipe to the back of the engine, torquing it to 20 Nm (15 Ft-lbs).



INSTALLING THE NEW CHARGE PIPE KIT

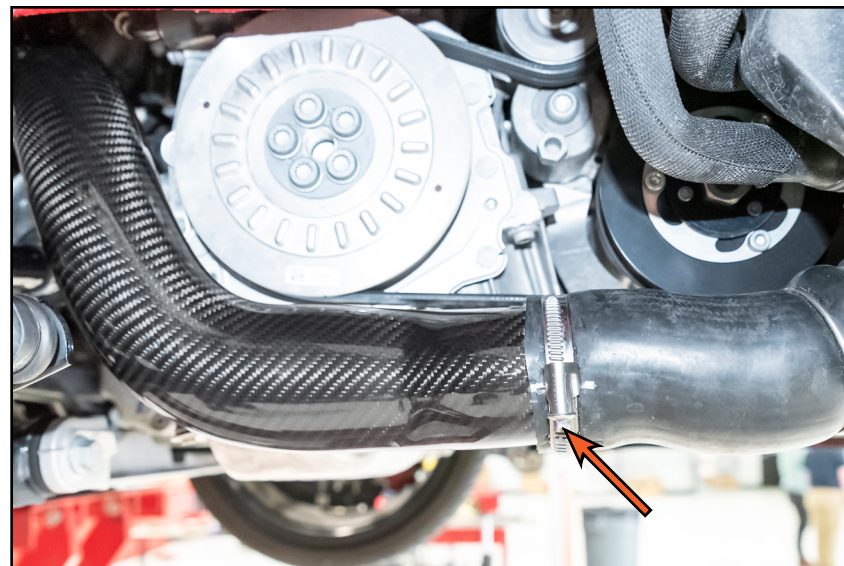
Step 5: T30 Torx Socket & Torque Wrench, 7mm Socket & Ratchet

Replace the bolt (arrow) which secures the turbo outlet pipe to the side of the engine, torquing it to 8 Nm (6 Ft-lbs). Go back and tighten the clamp on the turbo outlet coupler until fully snug.



Step 6: 7mm Socket & Ratchet

Slide the intercooler inlet hose onto the new turbo outlet pipe and tighten the clamp (arrow) until snug.



INSTALLING THE NEW CHARGE PIPE KIT

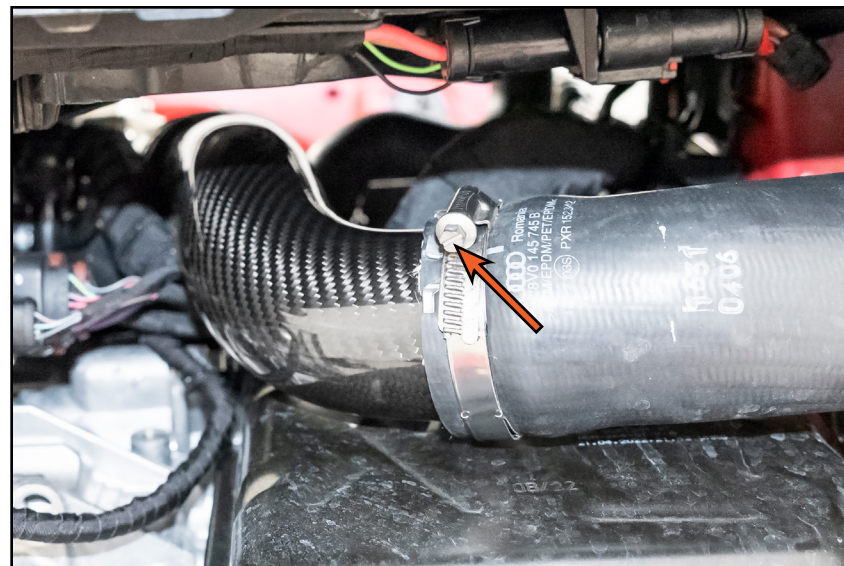
Step 7:

Slide the new throttle pipe up into the throttle body coupler as shown. Leave the clamp (arrow) loose for now.



Step 8: 7mm Socket & Ratchet

Rotate the pipe until you are satisfied with the fitment, then slide the intercooler outlet hose onto the new throttle pipe and tighten the clamp (arrow) until snug. Go back and tighten the clamp on the throttle body coupler until fully snug.



INSTALLING THE NEW CHARGE PIPE KIT

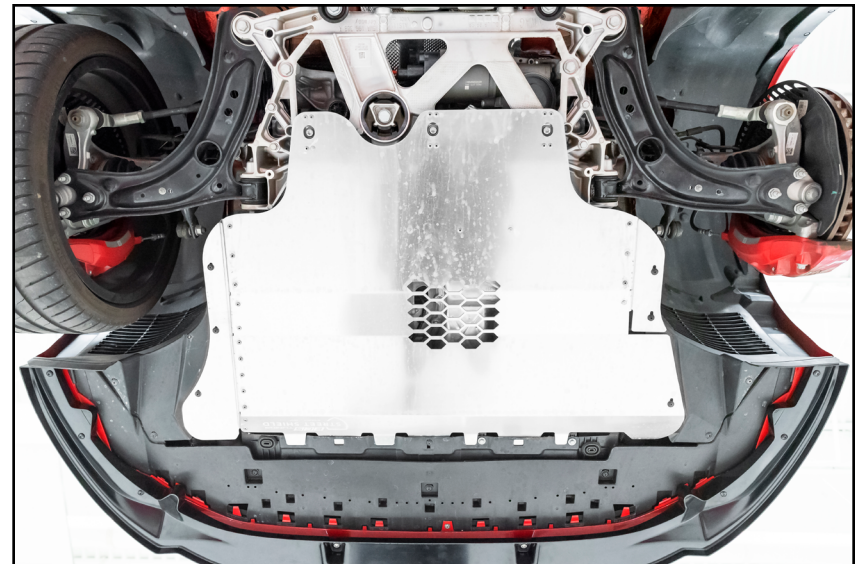
Step 9: T25 Torx Socket & Ratchet

Reinstall the air inlet duct and tighten the screws (arrows) until snug.



Step 10: T25, T45, 10mm, 17mm Socket, Ratchet & Torque Wrench

Reinstall the fender liner, skid plate, and wheel. Torque the wheel bolts to 120 Nm (89 Ft-lbs).



Your Charge Pipe Kit installation is complete!



These instructions are provided as a courtesy by ECS Tuning

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