



ETS 2022+ Subaru WRX Intercooler Install Instructions

Parts Included

- ETS 2022+ Subaru WRX Intercooler
- ETS 2022+ Subaru WRX Intercooler Mounting Hardware
 - 1x - Top Intercooler Mounting Tab
 - 2x - 8mm x 14mm Intercooler Top Tab Mounting Bolts
 - 1x - 8mm Nylock for Top Bracket to Chassis
 - 1x - Left Side Intercooler Mounting Bracket
 - 1x - Right Side Intercooler Mounting Bracket
 - 4x - 8m x 14 flange bolts for Mounting Brackets to Car
 - 2x - 8m x 20mm Flange bolt for Cooler to Side Brackets
 - 4x - 8m Nylock for side brackets
- ETS 2022+ Subaru WRX Piping Kit (4 pieces)
 - 1x - Driver Side Upper Pipe w/ Mounting Bracket
 - 1x - Driver Side Lower Pipe
 - 1x - Passenger Side Upper Turbo Outlet Pipe
 - 1x - Passenger Side Lower Pipe
- ETS 2022+ Subaru WRX Billet Adapters
 - 1x - Throttle Body Billet Adapter (Need to reuse factory o-ring)
 - 1x - 8m x 16 Flange Bolt for TB Adaptor
 - 1x - 8m x 25 Flange Bolt for TB Adaptor
 - 1x - Turbo Outlet Billet Adapter (Need to reuse factory o-ring and clip)
- ETS 2022+ Subaru WRX Piping Mounting Hardware
 - 1x - 8mm x 16m bolt - TB Pipe
 - 1x - Fender Guard (For DS Frame Rail)
 - 1x - Water filler neck bracket
 - 1x - 6m x 16m flange bolt for water neck bracket
 - 1x - 6m serrated Flange Free Spinning Regular Nut- For Water Neck Bracket

Front Bumper Removal and Prepping vehicle for install.

- Jack up and put the vehicle on jack stands/post lift
- Disconnect the negative battery terminal.
- Top side of the bumper cover
 - Under the hood, locate and remove the rubber hood seal from the top of the bumper.
 - After removing the hood seal, remove (3) push clips and (6) 10mm M6 bolts from the top of the bumper cover.
- Bottom side of the bumper
 - Under the bumper, locate and remove (9) push pin fasteners from the front of the undertray right behind the bumper lip.
- Fender Wells
 - In the fender well, locate and remove (2) push pin connectors from each side of the fenderwell.
- Remove the bumper cover
 - Pull the left side of the bumper away from the car from where you just removed the plastic push pin.
 - Pull the right side of the bumper away from the car from where you just removed the plastic push pin.
 - Remove the front bumper cover and set the cover on the ground, but be careful because the fog lights/blinker wires are still connected and will need to be disconnected prior to removing the bumper.
- Remove the bumper beam







Factory Intercooler Removal

- Remove (4) bolts holding the throttle body mounting flange to the throttle body.
- Remove throttle body mounting flange
- Remove clip securing intercooler to throttle body
- Remove factory o-ring from the intercooler as this will be transferred to the billet adapter.
- Passenger Side
 - Remove (1) bolt located on the left side of the intercooler
 - Remove (2) bolts securing the intercooler mounting flange to the intake manifold.
 - Remove bracket

- Driver Side
 - Remove (1) bolt located on the left side of the intercooler
 - Remove (2) bolts securing the intercooler mounting flange to the intake manifold.
 - Leave the bracket as this will be used to secure the intercooler pipe.
- Remove the factory top mount intercooler.

Factory Intake Removal **(REQUIRED)**

- Remove (2) push pins securing the factory air duct to the core support
- Remove the factory air duct.
- Remove (1) 10mm nut from the front side of the airbox.
- Unplug the MAF sensor.
- Remove the (2) 10mm bolts that secure the airbox to the frame rail. You will need a long extension.
- Remove the clamp from the intake tube on the backside of the airbox.
- Remove the factory airbox.
- Remove the pop clips from the bottom of the undertray.
- Remove (1) 10mm securing the intake to the chassis.
- Loosen the clamp holding the intake tube to the turbo inlet
- Remove turbo inlet

Install ETS Intake **(REQUIRED)**

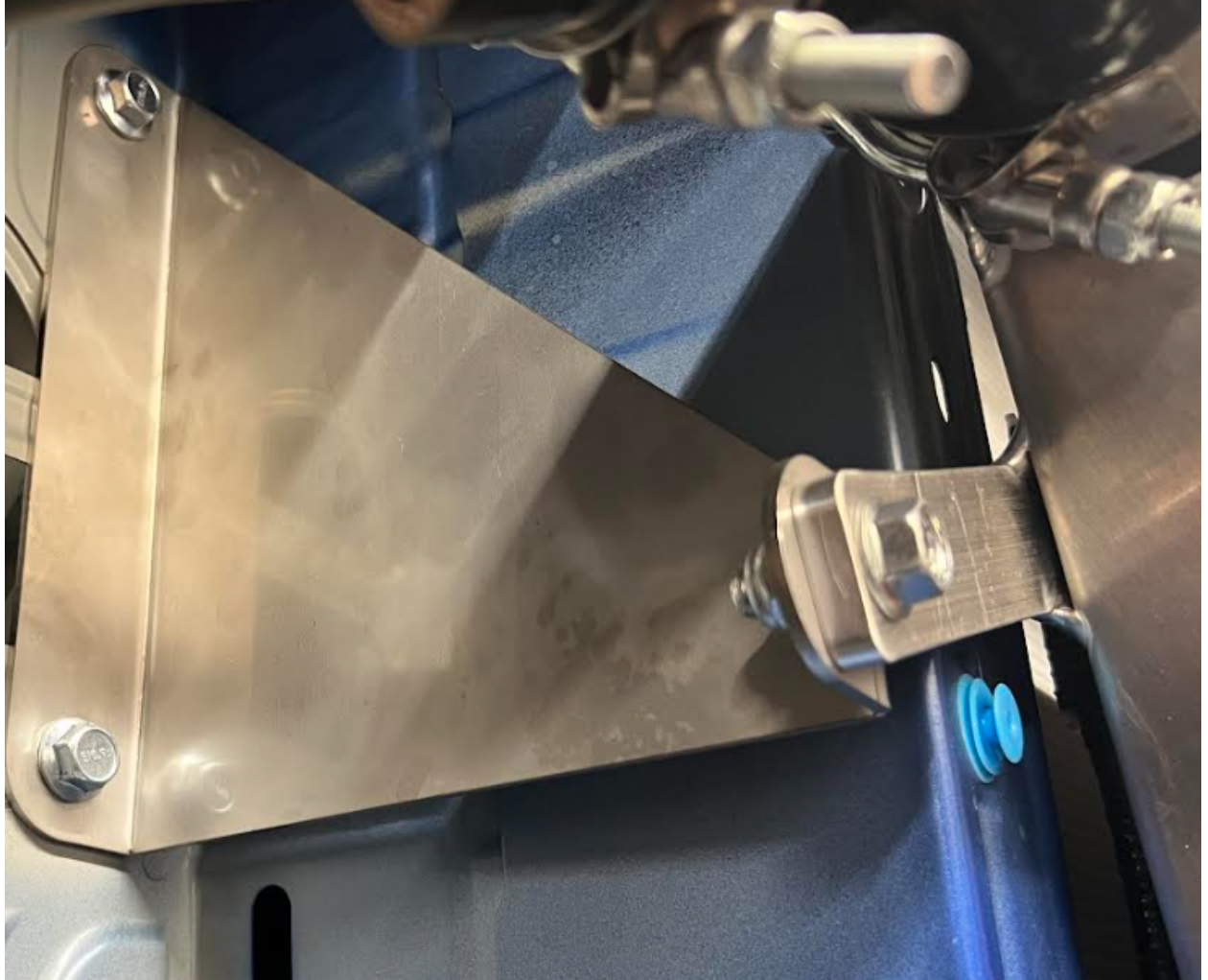
- Install the 3.0" 45 degree coupler on the turbo inlet
- Loosely fit both worm drive clamps to the coupler
- Install the ETS intake pipe into the 45 degree coupler
- Clock intake pipe to align mounting bracket to the frame rail
- Install 12mm bolt to secure the intake to the frame rail
- Once secure, tighten the (2) worm drive clamps on the 45 degree coupler.
- Instal 3.0" straight coupler
- Install and tighten the lower worm drive clamp.
- Loosely fit the top worm drive clamp
- Prep the MAF Housing
 - Transfer MAF sensor from factory airbox to the ETS Velocity Stack
 - Tighten the (2) bolts to secure the MAF sensor to the ETS Velocity Stack
- Install the MAF Housing into the 3" coupler
- Tighten the worm drive clamp.
- Plug in the MAF air flow sensor. Listen for the click!
- Install the massive ETS 5.0" Air Filter
- Tighten the worm clamp securing the filter to the ETS Velocity Stack.

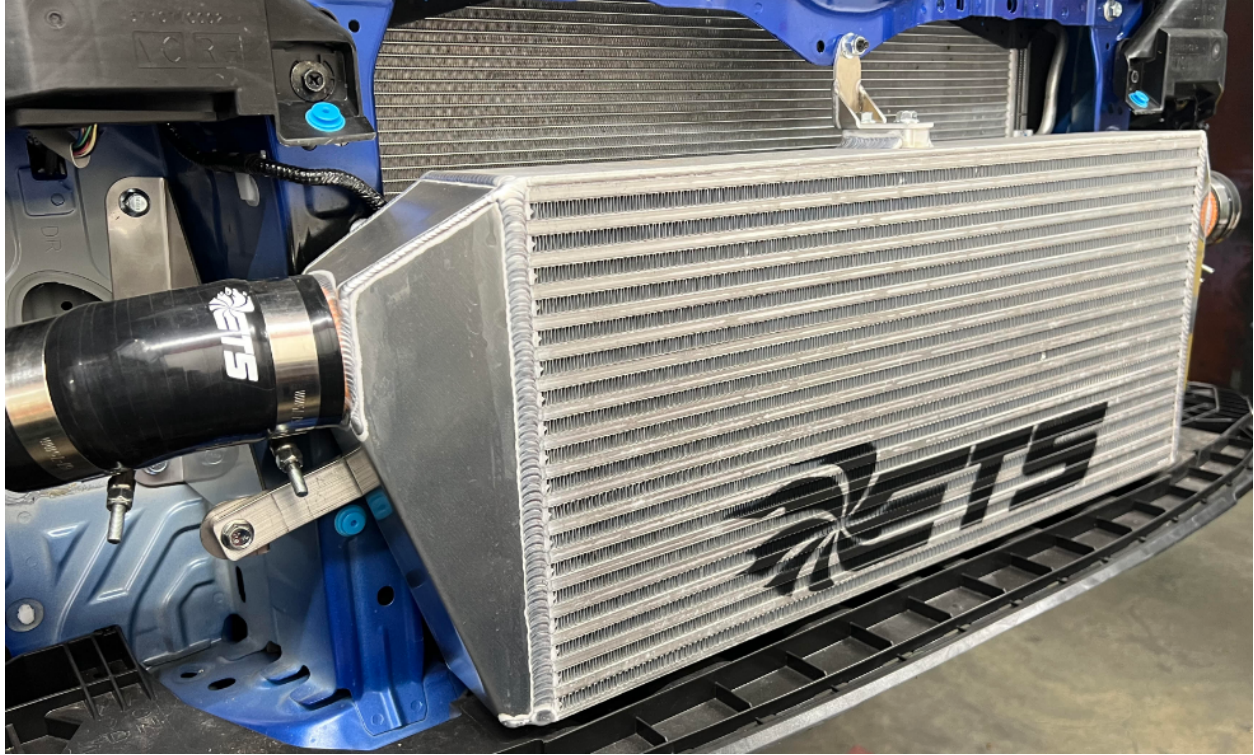
Install ETS Intercooler

- Install Intercooler top mounting tab to the intercooler

- (2) 8mm x 14mm flange bolts
- Install driver side mounting bracket to vehicle
 - (2) 8mm x 14mm flange bolts
- Install passenger side mounting bracket to vehicle
 - (2) 8mm x 14mm flange bolts
- Mount the intercooler by the driver side and passenger side tabs
 - (2) 8mm x 20mm flange bolt - (1) on each side
 - (2) 8mm Nylock nut - (1) on each side.
- Mount the top of the intercooler
 - (1) 8mm Nylock nut.



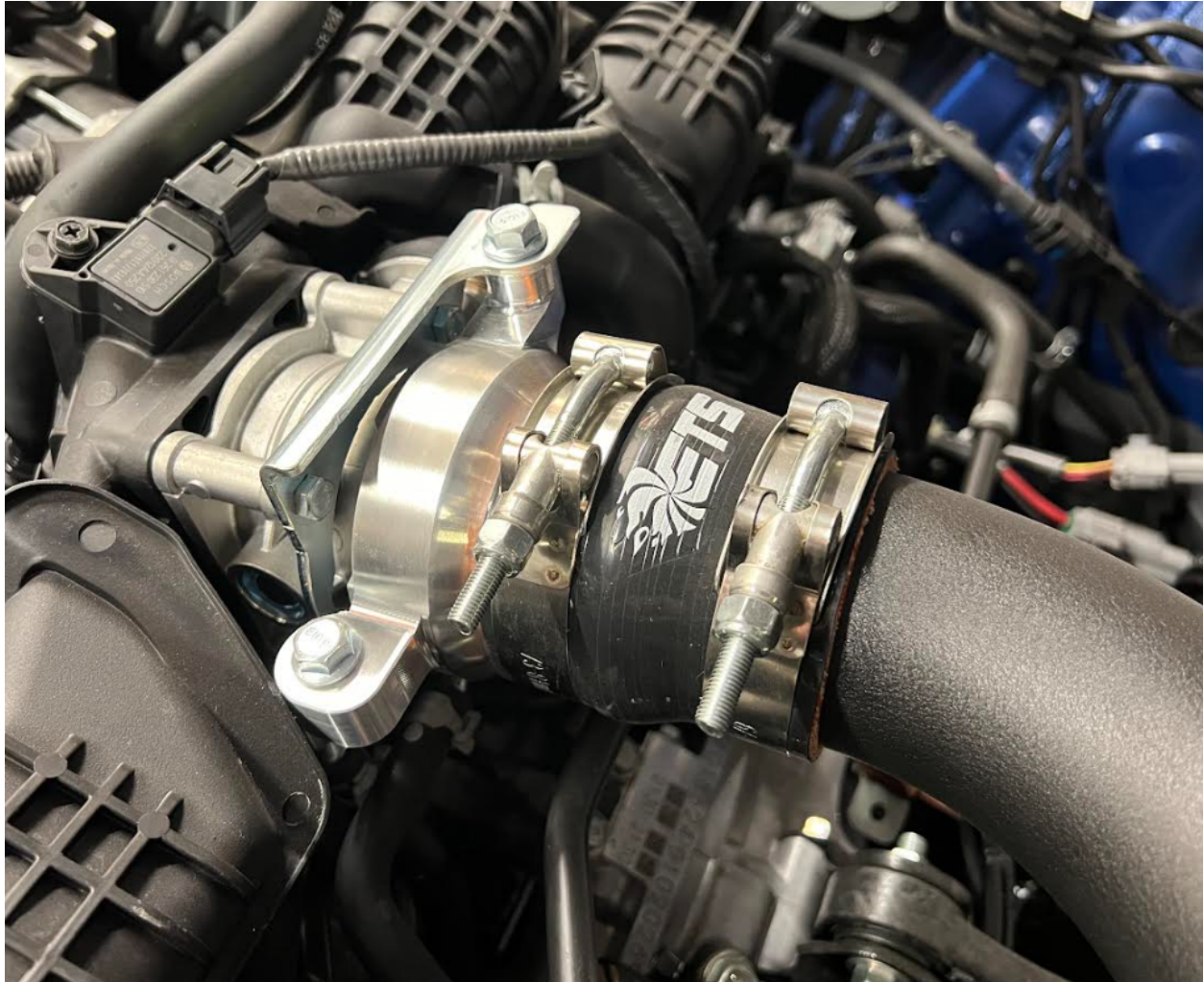


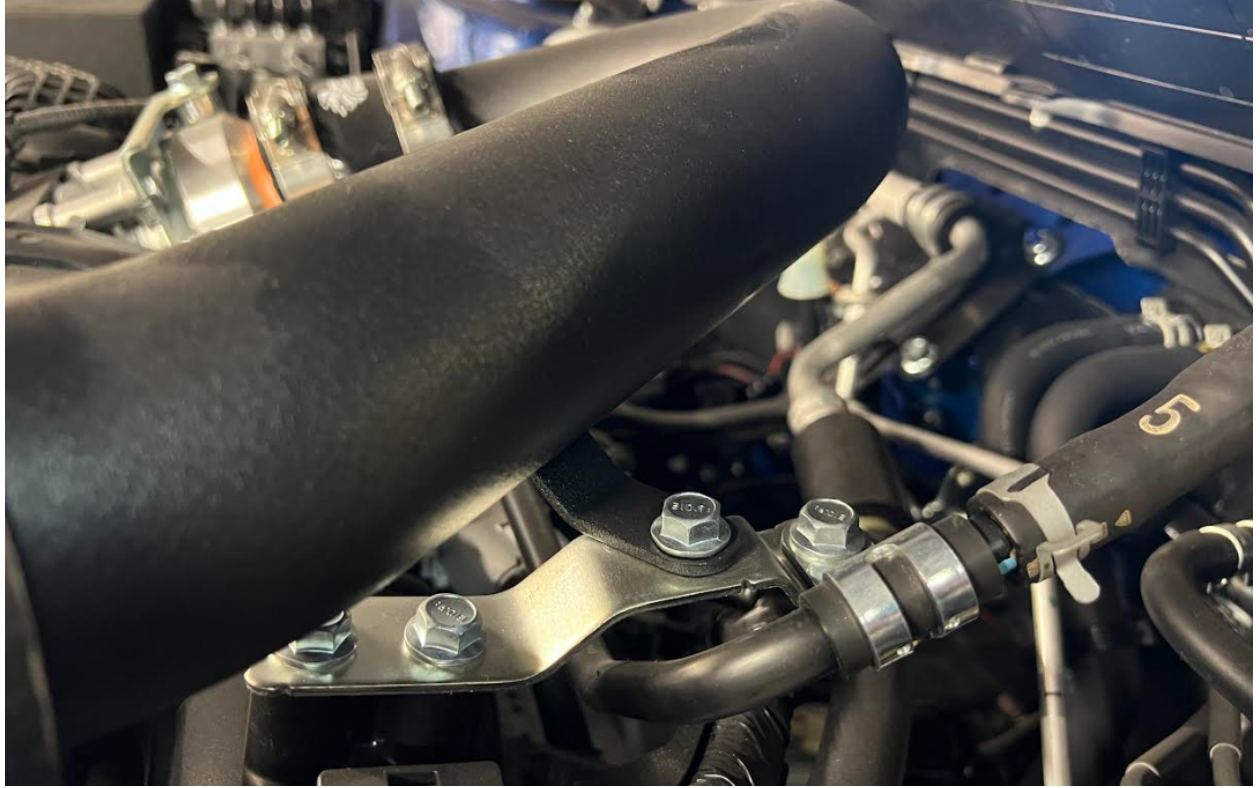


Install ETS Intercooler Piping Kit (Cold Side)

- Bend the factory AC line - [See Video - https://youtu.be/Nr6m-52CvIM](https://youtu.be/Nr6m-52CvIM)
- Rotate and Install water filler neck bracket using OEM bolt hole location. This allows room for the lower intercooler pipe, and will require the removal of the factory plastic bracket.
- Install 3.0" 45 Degree Coupler to the driver side intercooler outlet
- Loosely install (2) TB263 T-Bolt Clamps.
- Install driver side lower pipe
- Install the 2.50" (Nylon Reinforced) Long Leg 60 Degree Coupler. This coupler is designed to prevent any type of arcing between the AC and Battery.
- Loosely install (2) TB288 T-Bolt Clamps.
- Install driver side upper pipe
 - Install the billet throttle body adapter into the 2.75" to 2.50" straight reducer coupler.
 - Transfer the factory o-ring from the factory top mount intercooler to the ETS throttle body adapter.
 - Install the throttle body adapter to the throttle body by using the factory mounting bracket
 - (2) factory mounting bolts
 - (1) 8mm x 16mm Flange Bolt
 - (1) 8mm x 25mm Flange Bolt.

- Install (1) TB313 T-Bolt Clamp to secure the throttle body to the 2.75" to 2.50" coupler.
- Loosely install (1) TB263 T-Bolt Clamp
- Install driver side upper pipe
- Mount the driver side upper pipe using (1) 8mm x 16mm flange bolt.
- Once all the pipes are in place tighten all t-bolt clamps and secure the mounting hardware.





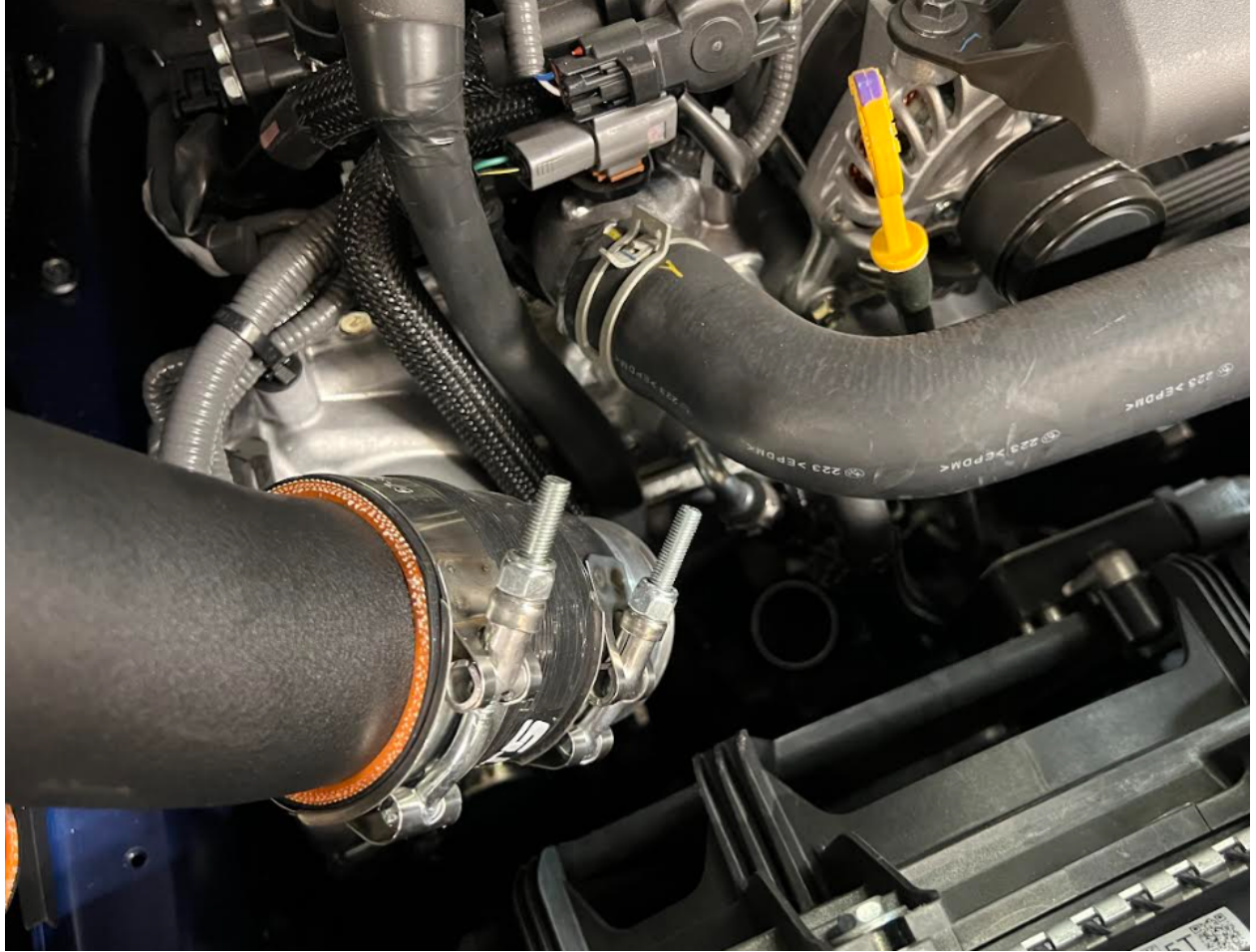




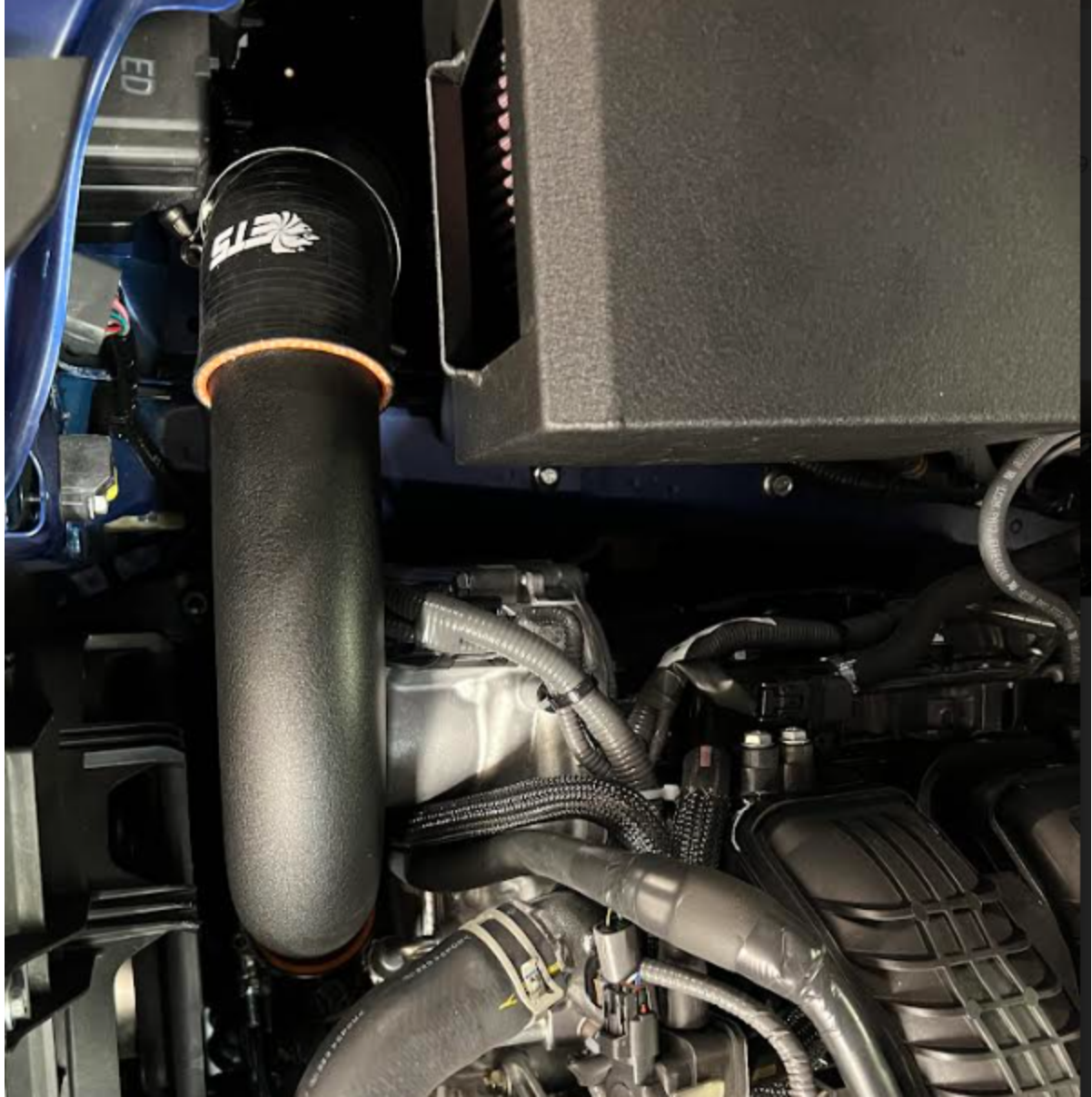
Install ETS Intercooler Piping Kit (Hot Side)

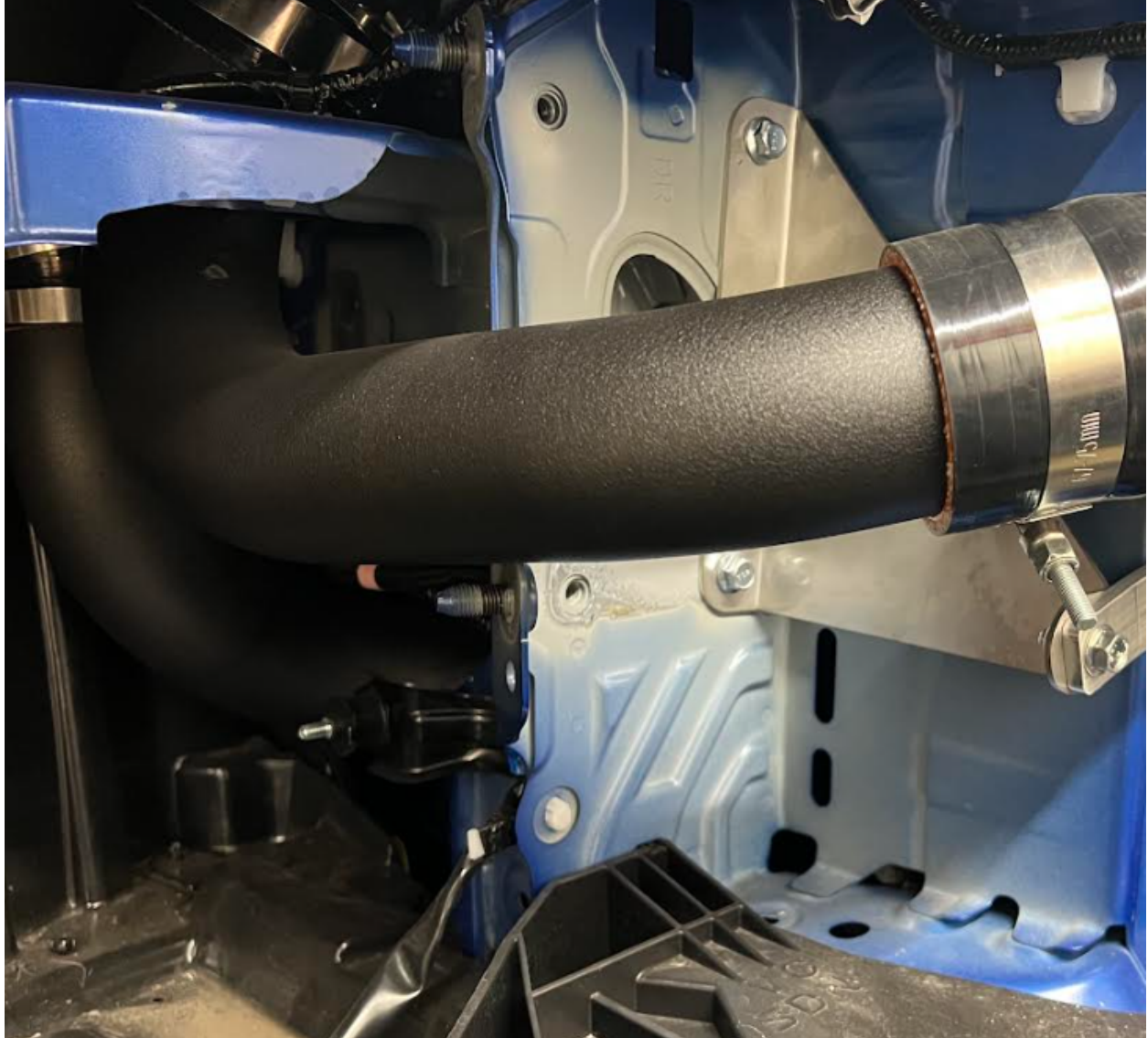
- Install 3.0" 45 Degree Coupler to the passenger side intercooler outlet
- Loosely install (2) TB263 T-Bolt Clamps.
- Install passenger side lower pipe
- Connect the 3.0" 45 Degree Coupler to the top of the passenger side lower pipe.
- Loosely install (2) TB263 T-Bolt Clamps
- Install Turbo Outlet Pipe - [See Video \(Coming Soon\)](#)
 - Install Turbo Outlet Billet Adapter to 2.25" to 2.50" straight coupler
 - Loosely fit the TB225 t-bolt clamp to the 2.25" side of the coupler.
 - Loosely fit the TB263 t-bolt clamp to the 2.50" side of the coupler.
 - Install Turbo Outlet Pipe into the 2.5" side of the coupler.
 - Test fit / Clock / Install Per video.
 - Reuse factory turbo outlet clip. Make sure this connection is secure and won't disconnect.
- Once all the pipes are in place tighten all t-bolt clamps and secure the mounting hardware.











Install ETS Airbox

- Remove (1) 10mm bolt from the driver side engine bay. Install the airbox bracket and reinstall the (1) 10mm bolt.
- Install the airbox by lining up to the holes on the frame rail and the bracket.
- Install the top mounting bolt
- Install (2) lower mounting bolts using an extension
- Reinstall factory air duct by sliding the air duct into the air box.
- Align the mounting holes and install the (2) factory push pins back into the core support.



Finalize Install

- Reconnect battery
- Make sure all clamps are tightened.
- Start vehicle and check for any boost leaks
- Reinstall front bumper cover in reverse order.