



L15-6-316 11th Gen Turbo Inlet Pipe

Installation of Turbo Inlet Pipe in 2022+ Honda Civic and Acura Integra

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INTRODUCTION

In this installation guide we have provided step by step instructions to remove the OEM Turbo Inlet Pipe (TIP) and install the 27WON TIP on a 2022 Civic EX. Other 2022+ Civic and Integra 1.5T models will be similar

- The exhaust piping, turbocharger, and cooling system will be hot after recent vehicle operation. Allow the vehicle to cool or use a fan to cool the exhaust components before working on the vehicle.

TOOLS:

- Torque Wrench (3/8" Drive) (1)
- 1/4" Ratchet (1)
- 3/8" Ratchet (1)
- 3" Extension (1/4" Drive) (1)
- 12mm Socket (1)
- 10mm Socket (1)
- 8mm Socket (1)
- 5.5mm Socket (1)
- T30 Torx Socket (1)
- Phillips Screwdriver (1)
- Flathead Screwdriver (1)
- 90 Degree Pick Tool (1)
- Wire Cutters (1)
- Vice Grip Pliers (1)
- Pliers - Large (1)
- 3mm Allen key (1)
- Dremel w/Cutting Disc (1)
- Heat Gun (1)
- Electrical Tape (1)
- Optional: Push Clip Removal Tool (1)
- Optional: Hose Pliers (1)
- Optional: Riv-Nut Tool (1)

PARTS:

- 27Won Turbo Inlet (1)
- Turbo Inlet Pipe Gasket (1)
- EVAP Valve Gasket (1)
- T-Bolt Clamp - 95-103mm (1)
- T-Bolt Clamp - 73-81mm (1)
- T-Bolt Clamp - 70-78mm (1)
- T-Bolt Clamp - 32-37mm (1)
- Worm Gear Clamp 11-20mm (1)
- Spring Clamp - 11mm (4)
- Spring Clamp - 13mm (2)
- Wiring Loom T-Cover (1)
- Vacuum Shrink Wrap Tubing - 2in Length (1)
- M5x0.8x12mm SS Riv Nut (6)
- M5 Flat Washers (6)
- M5 Cap Screw (6)
- M5x0.8x8mm Flanged Bolt (2)
- 4mm Black Silicone Hose - 9in Length (1)
- 5.5mm Black Silicone Hose - 5in Length (1)

Step 1 — Getting Started



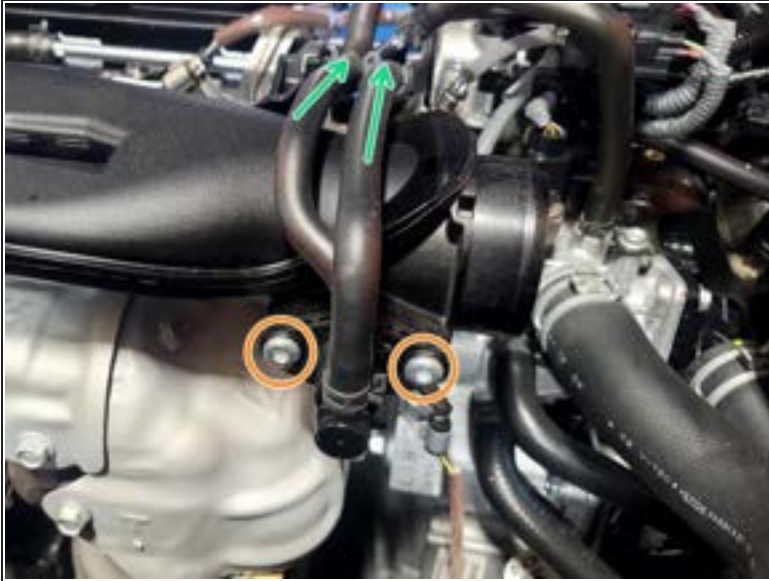
- First and foremost; **THANK YOU** for becoming a part of the 27WON Family. We hope to **REDEFINE** your experience of the aftermarket with the highest level Parts, Customer Service, Packaging, & Support
- You will proceed to remove the OEM Turbo Inlet Pipe (TIP) from the vehicle in the coming steps
- ⓘ These instructions are for OE intake. Other intakes will be similar

Step 2 — Remove Factory Air Intake Tube



- Use a 5.5mm socket and 1/4" ratchet to remove the two (2) clamps (red markups) securing the accordion style intake air tube
- Remove intake air tube from car and set aside

Step 3 — Disconnect EVAP Valve and Set Aside



- Remove two (2) screws from Turbo Inlet Pipe (TIP) EVAP valve with T30 Torx Bit
- Pop both EVAP lines from clip
- Tuck EVAP valve out of the way as shown (blue box)

Step 4 — Disconnect TIP Bracket



- Use 10mm socket and ratchet to remove bolt from TIP bracket near inlet

Step 5 — Relocate Coolant Reservoir



- Pull up on reservoir to free from bracket and relocate as shown

Step 6 — Remove Brackets from OE TIP



- Use 10mm socket and ratchet to remove two (2) bolts from vacuum bracket
- Use 10mm socket and ratchet to remove two (2) bolts from wiring loom cover
- Unplug waste gate actuator by pushing the very top of the clip in with one finger and pulling the plug out with the other hand
- Set wiring loom out of the way

Step 7 — Disconnect Vacuum Hard Lines



- Use pliers to slide the two (2) hose clamps down the rubber hose
- Twist each hose to break adhesion to metal tube then and pull both hoses off
 - ① Use hose pliers if you have them, it's easier
 - ⚠ Use caution to avoid tearing rubber but it can take some force to free hoses
- Set hoses out of the way

Step 8 — Disconnect OE TIP from Turbo



- Use caution not to bend or damage A/C line while removing TIP
- ⚠ Be careful not to damage A/C line
- Remove bolt with 12mm socket, 3" extension, and ratchet
- Remove nut with 12mm socket, 3" extension, and ratchet
- ⓘ OE Turbo Inlet Pipe will wiggle freely now

Step 9 — Remove Hose Clamp From Crank Breather



- ⓘ Unfortunately Honda used a single use hose clamps for the turbo inlet pipe. These are difficult to remove
- ⚠ Use caution not to damage rubber lines. This is tricky
- ⓘ You can use a grinder, Dremel, or perhaps even shears to remove this single use clamp. We prefer Dremel
- Remove Clamp Shown
 - Partially cut through band of clamp. The idea is to remove enough material that the clamp will break
 - Place flat head screwdriver under cut. If cut enough band will break pretty easily with a bit of pressure

Step 10 — Disconnect Coolant Line and Crank Breather



- Pop crank breather hose off
- ⚠ Use caution as you proceed to minimize coolant leaks
- Pinch off coolant line in a manner similar to what is shown
 - ① There are various other tools and ways to accomplish this, like pinch pliers
- Put towel under coolant line to catch leak
- Use pliers to slide clamp out of the way as shown
- Remove rubber upper coolant feed hose from the TIP hard line
- Place towel under the other end of the same line. Slide clamp (blue box) up hose using pliers and remove rubber hose from hard line

Step 11 — Remove OE TIP from Car and Set Aside

- ⚠ Plug coolant line attached to TIP with finger while removing TIP so as to avoid further coolant spills
- Remove OE TIP from car and set aside

Step 12 — Loosen Vacuum Line Bracket



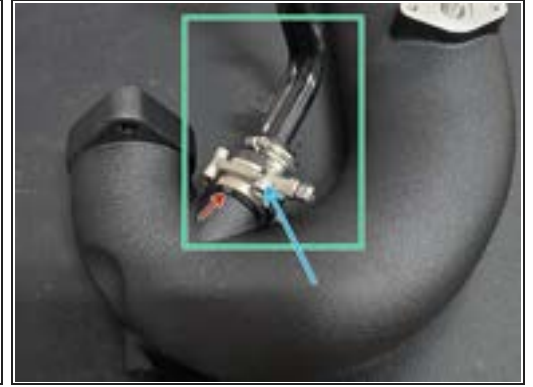
- ① Loosening this bracket will help avoid scratching 27WON TIP during install
- Use 10mm socket and ratchet to remove three (3) bolts shown
- Move Vacuum bracket out of the way as shown

Step 13 — Remove Clamp From Breather Hose



⚠ Use caution not to damage the rubber fitting. This is tricky

- Remove Clamp Shown
 - Partially cut through band of clamp. The idea is to remove enough material that the clamp will break but not so much to cut into the rubber
 - Place flat head screwdriver under cut. If cut enough band will break pretty easily with a bit of pressure
- ① A different clamp is shown but the process is the same

Step 14 — Swap Breather Hose to 27WON TIP

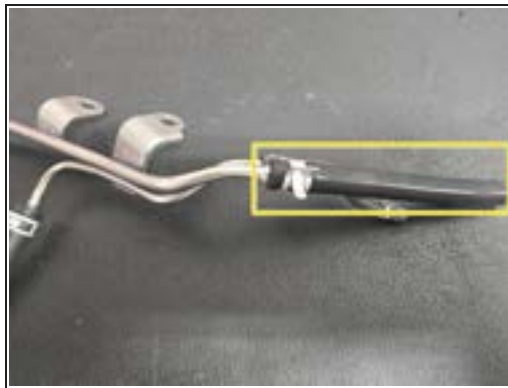
- Place screwdriver as shown. Twist and pry while working around the perimeter to break seal and back rubber off the TIP a bit
- Pull breather hose off OE TIP
- ⓘ Orientation of the breather hose assembly is important for ease of reinstallation
- Place breather hose assembly on 27WON TIP as shown
- You can cut-off the square nub or leave it on
- Orient the 32-37mm Hose Clamp as shown and make sure it does not rest on bead roll

Step 15 — Remove Vacuum Bracket Assembly



- Slide these two (2) clamps up the Bypass Valve and Vacuum line hoses using needle nose pliers
- ⓘ It's helpful to twist rubber hose with hose pliers or by hand before pulling. This will break the seal
- Pull Vacuum bracket assembly from the car

Step 16 — Swap Hoses On Vacuum Bracket - Part 1



- ⓘ It's helpful to twist rubber hose with hose pliers or by hand before pulling. This will break the seal
- Remove clamp as shown
- Replace hose with the provided short piece of 5.5mm ID silicone hose
- Place 13mm spring clamp and secure as shown
- ⓘ Spring clamp should slightly depress the silicone hose

Step 17 — Swap Hoses On Vacuum Bracket - Part 2

- Cut provided 9" long silicone hose in half
- Remove clamp as shown and replace hose with cut piece of silicone hose
- Remove clamp as shown and replace hose with cut piece of silicone hose
- Place 11mm spring clamps as shown
 - ⓘ Spring clamps should slightly depress the silicone hose

Step 18 — Reinstall Vacuum Bracket Assembly



- Route new silicone hose over Bypass Valve barb as shown
- Place OE line over vacuum bracket barb as shown. Using pliers, pull OE clamp up to secure
- Place 11mm spring clamp on silicone hose as shown
 - ⓘ Spring clamp should slightly depress the silicone hose

Step 19 — Remove Tee Wire Cover



⚠ Plastic wire cover breaks easily

- Use small pick to unclip six (6) clips as shown
- Open wire cover and remove from car
- Set plastic cover aside. It will not be reused

Step 20 — Remove Wastegate Plug Cover



- Pop both clips on wastegate actuator plug as shown
- Remove plastic cover from plug

Step 21 — Secure Wire Tee On Car - Part 1

- Clip provided Tee in place as shown onto the wiring you uncovered in Step 19
- Slide provided heat shrink tube over wastegate plug and then up the wire towards the Wiring Loom T-Cover
- Use heat gun to heat shrink tube. Part of the heat shrink tube should cover the Wiring Loom T-Cover as shown

Step 22 — Secure Wire Tee On Car - Part 2



- OPTIONAL: Use electrical tape to seal the other ends of the Tee
 - ① A 10" cut of tape works well for each end
 - ① TIP: Electrical tape is stronger when it's not stretched
 - ① You can use heat gun to smooth out the tape as desired
- Reinstall wastegate plug cover

Step 23 — Place TIP Into Position



⚠ Tight spaces. Use caution not to scratch the TIP during install

- Place provided turbo flange gasket onto turbo as shown
- Carefully move TIP into position on turbo flange. While doing that use finger to push down rubber hose to clear wastegate actuator
- ⓘ Various components will now be attached to the TIP before securing it to the turbocharger

Step 24 — Connect Turbo Coolant Feed Line



- Use pliers and OE clamp to resecure lower rubber coolant feed line to turbocharger
- Connect upper rubber coolant feed line to hardline
- Remove Vice Grips
- Use OE clamp to resecure upper rubber coolant feed line

Step 25 — Connect Crankcase Breather Tube



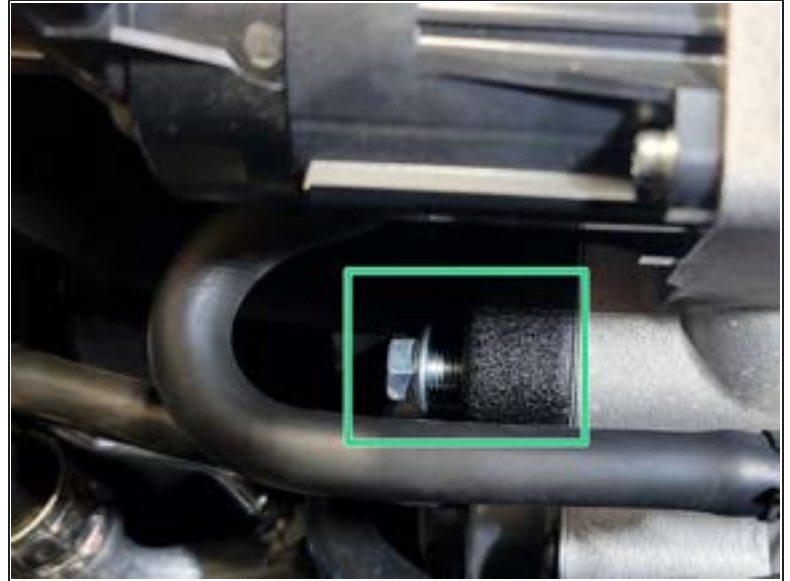
- Use provided hose clamp marked 11-20 to secure OE rubber hose to the hardline

Step 26 — Install Evap Valve with Gasket



- Use provided gasket and attach Evap valve to 27WON TIP using OE T30 hardware

Step 27 — Secure TIP to Turbocharger



- Insert OE bolt into turbocharger as shown using 12mm socket and extension. Tighten to finger tight
 - ① Wiggle gasket as needed to clear hole
- Use OE nut to secure TIP to turbocharger stud as shown. Tighten to finger tight
- Use torque wrench, extension and 12mm socket to secure TIP to turbo at **18 lbf-ft**

Step 28 — Secure and Connect Vacuum Lines



- Use a 10mm socket and ratchet to resecure wiring loom and vacuum bracket from step 13
- Route Vacuum lines as shown in front of wiring loom
- Install silicone hoses on Vacuum hard lines
- Secure silicone hose with 11mm spring clamp as shown
- Secure silicone hose with 13mm spring clamp as shown

Step 29 — Attach Vacuum Bracket to TIP



- Attach Vacuum line bracket to TIP with provided M5 flange bolts using finger and 8mm socket to set the bolts
 - ⚠ Use caution not to cross-thread hardware in TIP
 - ℹ Wiggle and pull bracket to line up holes to bolts
- Tighten M5 flange bolts using 8mm socket and ratchet. **Torque to 8 lbf-ft**
 - ⚠ Do not overtighten bolts
- Plug in Wastegate Actuator

Step 30 — Return Coolant Reservoir



- Place coolant reservoir back to its original position

Step 31 — Install 27WON Intake Silicone - OE Intake

ⓘ OE Shown. 27WON SRI next step. Other intakes similar

⚠ Make sure each hose clamp is rotated so that that bolt doesn't poke hood

● Unclip Lid of OE airbox

● Install provided 27WON silicone

ⓘ There will be some setting resistance as you close the airbox lid. You can slide the silicone further up the TIP as needed

● Use provided 95-103mm T-bolt hose clamp on TIP inlet

● Use provided 73-81mm clamp for OE Intake

Step 32 — Install 27WON Intake Silicone - 27WON SRI

- ① 27WON SRI shown. PRL intake next step. Other intakes similar
- ⚠ Make sure each hose clamp is rotated so that that bolt doesn't poke hood
- Install provided 27WON silicone
- ① Some repositioning of the SRI silicone and/or bracket may be needed when changing from the OE TIP
- Use provided 95-103mm T-bolt hose clamp on TIP inlet
- Use provided 70-78mm clamp for 27WON Intake

Step 33 — Install 27WON Intake Silicone - PRL HV Intake - PART 1

① PRL intake shown

- Remove PRL silicone to OE tip if still installed
 - Remove three (3) plastic clips securing PRL inlet
 - Remove two (2) bolts to mounting bracket using 10mm socket and ratchet
 - Push provided silicone coupler as far on the 27WON TIP as it will go and rotate it until the MAF end lines up with PRL intake
 - Pull silicone onto MAF until 1.25" remains on the TIP. Secure TIP with provided 95-103mm Hose Clamp as shown
 - ① The clamp is to the left of the bead roll and the edge of the silicone is right at the edge of the clamp
- ⚠ Make sure the bolt on the clamp won't poke the hood liner

Step 34 — Install 27WON Intake Silicone - PRL HV Intake - PART 2

- ① PRL intake shown
- Push PRL intake into silicone. Silicone May appear short as shown
- Push intake and silicone together and secure with provided 73-81mm Hose Clamp
 - ① A small gap of 1-2mm is ok here
- Reconnect intake bracket with two 10mm bolts using socket and ratchet
- Reconnect Inlet with plastic clips

Step 35 — Optional: Replace Hood Insulation Hardware



- ① Clearance from 27WON TIP to hood insulation is minimal. Repositioning the hood insulation will add space. This step is optional
- ① There is plenty of clearance between 27WON TIP and the metal hood behind insulation
- ① This step requires a Riv-Nut installation tool with M5 adapter
- Remove six (6) plastic clips that hold hood insulation in place using clip removal tool
- Install six (6) M5 Riv-Nuts
- Allow insulation to hang as low as possible
- Install provided M5 cap screws using 3mm hex wrench

Step 36 — Final Notes & Tips



- ① To get the best performance from your 27Won Turbo Inlet Pipe, we recommend a custom tune
 - A custom tune for your specific vehicle with your specific modifications will provide the best performance for your Civic/Integra and the location you live in
- ① Lots of hoses were disconnected during this install. Any hoses with clamps removed during install should be properly secured. CEL Code P0088 or others is a clue a connection may be leaking
- ① CEL Code P2565 could indicate a bad connection at the wastegate. Pull plug and clean connectors if this happens

Step 37 — I Dare You to REDEFINE



- This completes the installation of your 27WON Performance Turbo Inlet Pipe
- We hope you were impressed with your 27WON experience and love your new TIP for years to come. Email us at sales@27won.com or call us at 571-271-0271 with any questions or concerns
- Please leave a review here: <https://store.27won.com/2022-1.5t-civic-...>
- Share your experience using #27WON on Instagram and Facebook