



INSTALLATION INSTRUCTIONS

Unitronic 4" Turbo Inlet Elbow for 2.5 TFSI® EVO UH019-INA

Unitronic recommends that you read through the entire installation instructions prior to beginning the installation to familiarize yourself with the included components, tools required, and procedures involved with the installation.

DISCLAIMER: Unitronic recommends that a Unitronic Authorized Dealer or other qualified and trained professional should perform the installation of this product.

Unitronic Installation Instructions are also available in digital format, if you prefer. Please visit the corresponding product page for a link to download the digital Installation Instructions. www.getunitronic.com

It is recommended to confirm all parts are present prior to beginning the installation.

PACKING LIST:

PART NUMBER	DESCRIPTION	QUANTITY INCLUDED
UH013-IN5	4" Turbo Inlet Elbow for 2.5TFSI EVO	1
UH026-IN0	M6x1.0 x 16mm Serrated-Flange Hex Head Screw	1
UH001-IN8	Adapter Ring for 4" Turbo Inlet Elbow	1
UH017-IN0	M6x1.0 x 16mm Button Head Hex Drive Screw	1
UH007-AC3	Silicone Vacuum Line for 2.5TFSI EVO	1
UH013-AC0	Barbed Tube Fitting, Tight-Seal (5/32" ID), Black for 2.5T WG	1
UH019-IN0	O-Ring (2mm x 72mm)	1

RECOMMENDED TOOLS NEEDED:

- 4mm Allen Key
- Quarter-inch ratchet
- 3/8 ratchet
- 7MM socket
- 10MM socket
- T20 Torx
- T25 Torx
- T30 Torx
- T45 Torx
- 10MM Triple Square socket (short)
- 90° Pick
- Short 10MM wrench



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- 1** Secure your vehicle safely on jack stands or vehicle hoist to gain access to the underside of your vehicle.
- 2** Open engine compartment.
- 3** Remove engine cover.
- 4** Using your 10mm socket, remove the three (3) fasteners holding the coil pack harness rail. (See Fig.1 – Fig.2)
- 5** Using your Hose Clamp Pliers and T30 Remove the intake tube.
- 6** Unplug coilpack 1-2. (See Fig.3)
- 7** Unplug camshaft solenoid using your flat head screwdriver, push the lock up and squeeze the tab to remove the plug. (See Fig.4)
- 8** Unplug camshaft position sensor. (See Fig. 5)
- 9** Using your slim T30, remove the fastener holding the wastegate line. (See Fig.6)
- 10** Using your slim T30, remove the fastener holding the inlet elbow to the turbocharger
- 11** Using your T20, remove the Three (3) fasteners for the PCV tube. (See Fig.7)



FIG. 1



FIG. 2



FIG. 3



FIG. 4



FIG. 5

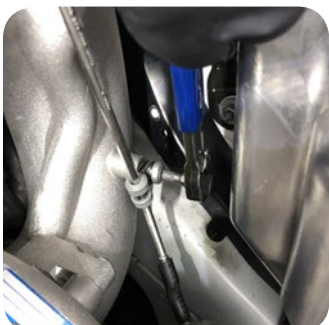


FIG. 6



FIG. 7



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- 12** Under the vehicle, remove the belly pan using a T45 and a T25 Torx. (See Fig. 8)
- 13** Using your slim T30, remove the fastener holding the outlet pipe to the block. (See Fig.9)
- 14** Using your 7MM socket, loosen the clamp holding the rubber hose to the outlet pipe. (See Fig.10)
- 15** Using your 10MM Triple Square short socket, remove the fastener on the back of the engine block (See Fig.11)
- 16** Using your 7MM socket, loosen the upper clamp holding the outlet pipe hose to the turbo outlet. (See Fig.12)
- 17** Remove the turbo outlet pipe by pulling down from the vehicle. You may need to use a pick to separate the rubber hose from the turbo outlet.
- 18** Using your slim T30, remove the remaining fastener on the turbo inlet elbow.
- 19** You can now remove the turbo inlet elbow from the vehicle.
- 20** Secure the turbo inlet elbow in your vise, and remove the PCV fastener by cutting a slot into the fastener and using your flat head screwdriver to remove the fastener.
- 21** Locate your Unitronic Turbo Inlet Elbow (UH019-INA) and your 4MM fastener (UH017-IN0)
- 22** Rotate the end of your stock PCV hose approximately 180° by holding the hose and rotating the plastic fitting. (See Fig.13&14) for proper orientation.



FIG. 8



FIG. 9



FIG. 10

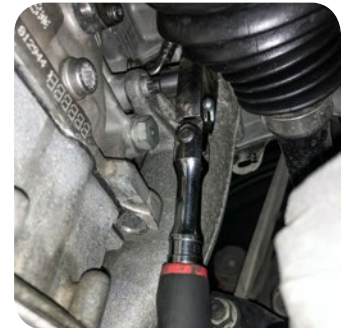


FIG. 11

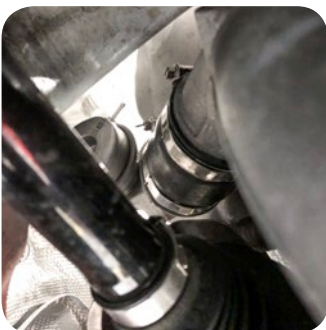


FIG. 12



FIG. 13



FIG. 14



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- 23** Reinstall the turbo inlet elbow onto the turbocharger, install one of the two fasteners (UH017-IN0) provided by hand. Leave this 10mm fastener loose until the other fastener is installed. It's recommended to apply some loctite to the fastener threads, to ensure maximum protection against these bolts coming loose.
- 24** Underneath the vehicle, you can install the 2nd 10mm fastener. Ensure that the turbo inlet elbow is seated correctly before tightening the two (2) fasteners. You will need to use a short 10mm wrench to tighten both the fasteners. It's recommended to apply some loctite to the fastener threads, to ensure maximum protection against these bolts coming loose. You must properly tighten these bolts, failure to properly tighten these bolts can result in the inlet perpetually coming loose. If you torque these bolts properly, the inlet will not come loose.
- 25** Reinstall the turbo outlet pipe, and tighten the 10MM triple square and T30 fastener to the engine block.
- 26** Using your 7MM socket, tighten the rubber hose at the turbo outlet and the clamp from the intercooler hose (See Fig.15)
- 27** Reinstall the belly pan.
- 28** Using your T20 reinstall the three (3) fasteners for the PCV.
- 29** Plug the camshaft solenoids and coil packs.
- 30** Using your 10MM socket, reinstall the three (3) 10mm fasteners onto the coilpack harness.
- 31** Reinstall the intake tube.

CONGRATULATIONS! You have successfully installed Unitronic's Turbo Inlet Elbow!

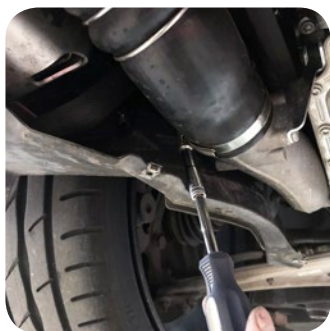


FIG. 15