



## INSTALLATION INSTRUCTIONS

### Unitronic Cold Air Intake for GOLF® R® 2.0 TFSI® UH005-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](http://www.getunitronic.com)

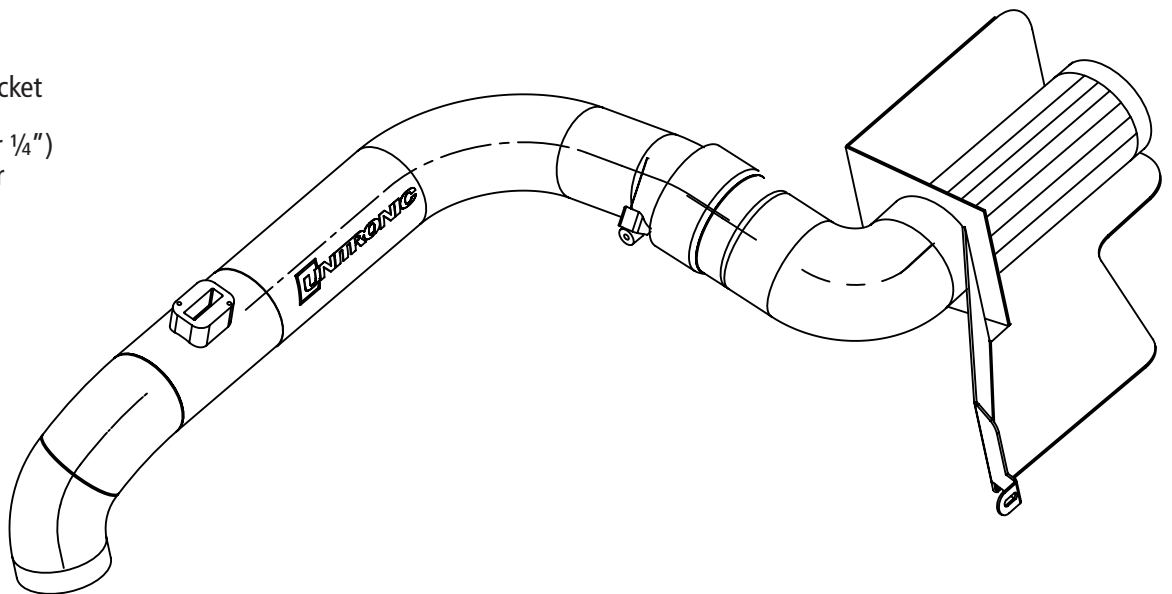
It is recommended to confirm all parts are present prior to beginning the installation.

#### PACKING LIST:

PART NUMBER	DESCRIPTION	QUANTITY INCLUDED
UH006-IN2	Unitronic Silicone Reducer 3" to 2.25"	1
UH003-IN2	Unitronic Silicone Elbow 3"	1
UH001-IN4	Unitronic 3" Dry Air Filter Element	1
UH002-IN1	Unitronic Transverse Intake Tube for 2.0 TFSI	1
UH002-IN3	Unitronic Heat Shield Air Box for 2.0 TFSI	1
UH003-IN0	Unitronic Hardware Kit for TFSI	1
UH001-ICO	Unitronic Reroute Hose Clips (2 per)	1
UH005-IN0	Loctite Packet	1

#### RECOMMENDED TOOLS NEEDED:

- T20 Torx
- Pliers
- 3mm Allen key
- 5mm Allen key
- 10mm 3/8" or 1/4" socket
- 3/8" or 1/4" ratchet
- 8" extension (3/8" or 1/4")
- Flat head screwdriver





## INSTALLATION INSTRUCTIONS

### Unitronic Cold Air Intake for GOLF® R® 2.0 TFSI®

#### UH005-INA

**1** Locate the ram air inlet connected to your radiator support. Using your T20 torx driver, remove the ram air inlet from the radiator support on both the right and left side of the inlet. **(See Fig. A & Fig. B)**

**2** Using your pliers, remove tension from the spring clamp and remove the ram air inlet tubing from the engine cover/airbox. **(See Fig. C & Fig. D)**

**3** Unplug the Mass Air Flow (MAF) sensor. **(See Fig. E)**

**4** Remove the two (2) retaining metal retaining clips and remove the turbo inlet pipe from the engine cover **(See Fig. F & Fig. G)** as we'll be removing the engine cover in a few steps below. We'll disconnect the inlet pipe from the compressor inlet later.

**5** Remove the MAF from the airbox/engine cover using your T20 Torx driver. **(See Fig. H)**

**6** Compress the spring clamp located on the reroute hose using your pliers. Remove the reroute hose from the inlet. **(See Fig. H-1)**

**7** Next, remove the reroute hose from its two retaining clips. **(See Fig. H-2)**

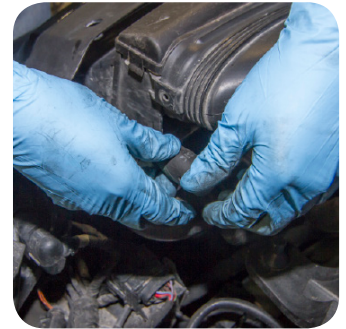


FIG. A



FIG. B



FIG. C

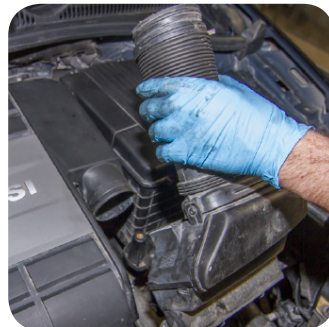


FIG. D



FIG. E



FIG. F



FIG. G



FIG. H

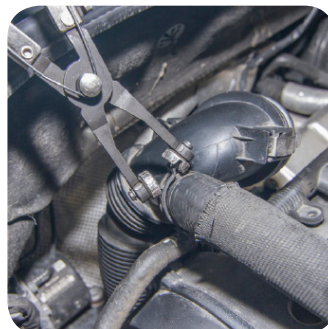


FIG. H-1

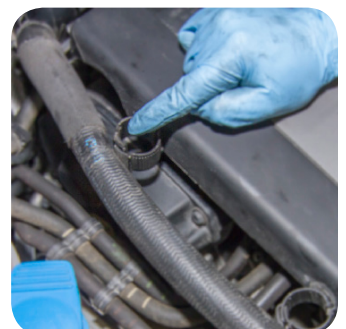


FIG. H-2



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### Unitronic Cold Air Intake for GOLF® R® 2.0 TFSI® UH005-INA

**8** Pull firmly upward on the engine cover to release it from the retaining posts and remove it from the engine. **(See Fig. I)**

**9** Remove the stock turbo inlet pipe from the compressor inlet by using your pliers to compress the spring clamp to allow the turbo inlet to detach from the compressor inlet. **(See Fig. J)**

**NOTE:** At this point, you have successfully remove the stock air intake system. Next, we will install the Unitronic 2.0 TFSI Cold Air Intake System.

**10** Install the reroute port into the silicone reroute coupler (UH006-IN2) and secure it using a flat head screwdriver. **(See Fig. K-1)**

**11** Locate the Unitronic Silicone 3" to 2.25" reducer (UH006-IN2). Install the silicone coupler onto the turbo inlet and secure the lower clamp using a 7mm box wrench or flat head screwdriver. Loosely install the 2nd clamp over the silicone reducer to prepare for the next step. **(See Fig. K)**

**12** Install the OEM reroute hose onto the reroute port and secure it using the factory spring clamp. **(See Fig. K-2)**

**13** Re-install the OEM reroute hose into the supplied re-route hose clips (UH002-IC0) and secure the smaller end of the re-route hose clips onto the fuel lines to hold it in position.

**14** Locate the Unitronic 2.0 TFSI Transverse Intake Tube (UH002-IN1). Install the intake tube into the Silicone reducer, positioning the tube in the proper orientation to ensure the tube lines up with the rest of the couplers that will be installed later in the procedure. Tighten the clamp using your 7mm wrench or flat head screwdriver. **(See Fig. L)**

**15** Remove the 10mm bolt, using your 10mm socket, ratchet, and extension from the battery box. **(See Fig. M)**

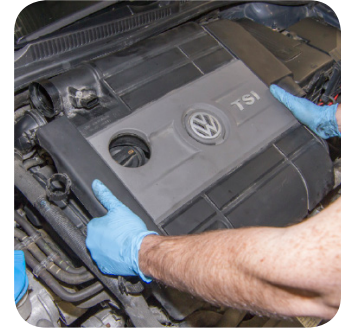


FIG. I



FIG. J



FIG. K-1



FIG. K



FIG. K-2

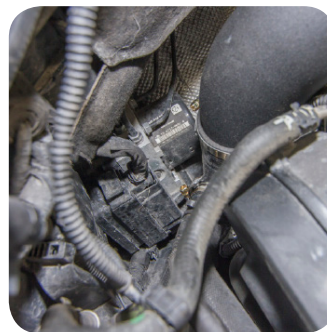


FIG. L

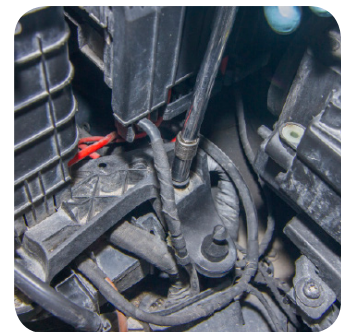


FIG. M



## INSTALLATION INSTRUCTIONS

### Unitronic Cold Air Intake for GOLF® R® 2.0 TFSI®

#### UH005-INA

**16** Locate the Unitronic 2.0 TFSI Heat Shield Air Box (UH002-IN3). Position the heat shield in the proper location, corresponding with the mounting points at the front (radiator support) and both rear mounting points of the heat shield. Secure the first rear mounting point with the OEM 10mm bolt, removed in step 10 above. **(See Fig. N)**

**17** Next, using your 5mm Allen key, secure the second rear mounting point using the supplied 5mm socket head cap screw. **(See Fig. O)**

**18** Secure the heat shield to the radiator support reusing the factory T20 torx screw **(See Fig. P)**

**19** Locate the Unitronic Silicone 3" Elbow (UH003-IN2). Slide the silicone elbow over the heat shield outlet, and the other end over the inlet of the intake tube. Secure both clamps using your flat head screwdriver. **(See Fig. Q & R)**

**20** Secure the intake tube to the engine using the supplied 5mm socket head cap screw, using your 5mm Allen key. **(See Fig. S).**

**21** Locate the Unitronic 3" Air Filter (UH001-IN4) and install it onto the heat shield as pictured. Secure the clamp using your flat head screwdriver **(See Fig. T)**

**22** Re-install the MAF sensor into the Unitronic Intake tube. Secure the sensor using the supplied 3mm socket head cap screws and a 3mm Allen key. **(See Fig. U)**

**23** Finally re-connect the MAF sensor electrical connection.

**CONGRATULATIONS!** You have successfully installed Unitronic's Cold Air Intake for 2.0 TFSI!



FIG. N

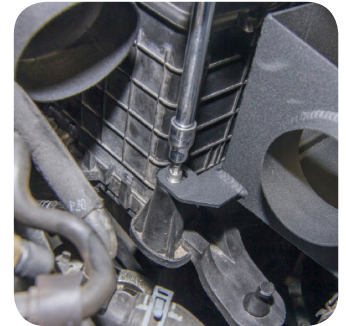


FIG. O



FIG. P



FIG. Q



FIG. R



FIG. S

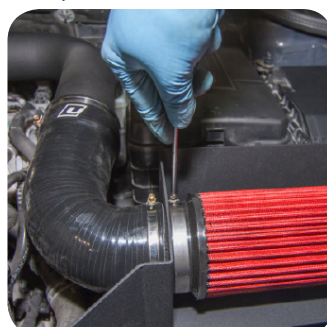


FIG. T



FIG. U