



INSTALLATION INSTRUCTIONS

Unitronic Carbon Fiber Air Intake System for MK2 Tiguan® 2.0 TSI® Gen3-B MQB® UH025-INA and UH026-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:

Carbon Fiber Airbox System (UH025-INA)

PART NUMBER	DESCRIPTION	QUANTITY INCLUDED
UH002-IN6	Unitronic Carbon Fiber Airbox Assembly	1
UH007-IN8	Unitronic MAF Adapter	1
UH032-IN2	Silicone Intake Tube (vacuum line, 90 deg fitting, clamps (3x))	1
UH037-IN0	Hardware (bulb seal, grommets (3x), M6 screw (2x), O-rings (3x))	1
UH003-AC0	Secondary Air Injection Breather Filter (if equipped)	1

Carbon Fiber Air Duct System (UH026-INA)

PART NUMBER	DESCRIPTION	QUANTITY INCLUDED
UH032-IN3	Unitronic Carbon Fiber Air Duct	1
UH038-IN0	Hardware (edge trim, pipe clips (2x), M5 screw (2x), washer (2x))	1

RECOMMENDED TOOLS NEEDED:

- Hose Clamp Pliers
- T30 Torx screwdriver or socket
- 3mm Allen
- 4mm Allen
- 7mm socket
- 1/4" or 3/8" Ratchet
- Flathead screwdriver
- 90-degree pick
- Silicone lubricating compound



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- 1** Unpack all components of your Unitronic Intake System, lay them out on the table, and ensure that you have all the pieces as listed in the packing list above.
- To remove the factory air intake system:**
- 2** Open the engine compartment.
- 3** Remove the engine cover by pulling upward on the corners. (Fig. 1)
- 4** Remove the two (2) T25 fasteners securing the air duct to the bumper support. (Fig. 2)
- 5** Loosen the two (2) T30 fasteners holding the air duct cover to the air duct. (Fig. 3)
- 6** Unclip the coolant line that runs on top of the air duct by pulling up on the line. (Fig. 4)
- 7** Remove the air duct cover by pulling the tab on the back of the air duct. (Fig. 5)
- 8** Remove the air duct outlet by pushing on the tab and pulling up to release it (Fig. 6)
- 9** Remove the air duct from the vehicle.
- 10** Remove the MAF sensor connector by releasing the safety clip first, then press on the clip and pull off the connector. (Fig. 7)
- 11** Remove the MAF wiring harness from the clip located on the intake tube and set aside. (Fig. 8)



FIG. 1



FIG. 2



FIG. 3



FIG. 4



FIG. 5



FIG. 6



FIG. 7



FIG. 8



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- 12** Using your hose clamp pliers, squeeze the clamp holding the intake tube to the MAF sensor, pull the intake tube to release it from the sensor. (Fig. 9)
- 13** Remove the vacuum line that is on the side of the airbox, using a 90 degree pick to free it from the intake system. (Fig. 10)
- 14** If equipped with a secondary air injection system (SAI), disconnect the SAI breather hose by pressing the tabs on either side of the connector while firmly pulling outward. (Fig. 10)
- 15** Carefully pull upwards on the complete airbox to remove it off the 3 mounting tabs.
- 16** Remove the airbox from the vehicle.
- 17** Loosen the clamp at the other end of the intake tube and remove the tube from the vehicle. (Fig. 11)
- 18** Remove the vacuum line that is on the side of the intake manifold. (Fig. 12)
- 19** Remove the (1) T30 fastener from the MAF sensor housing, rotate counterclockwise and pull to release the housing from the factory airbox. (Fig. 13)

To install the Unitronic Air Intake System:

- 20** Locate your Unitronic airbox assembly (UH002-INA) and the three (3) mounting grommets supplied in the hardware kit (UH037-INA). Insert the mounting grommets into the grommet locations on the airbox and airbox bracket. (Fig. 14)



FIG. 9



FIG. 10



FIG. 11

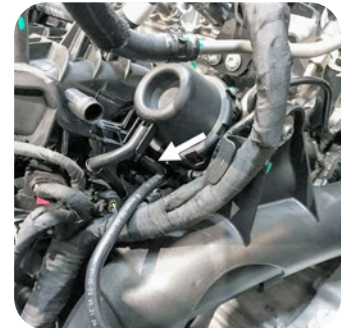


FIG. 12



FIG. 13



FIG. 14



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- 21** If using the factory air duct, starting at the bottom center, install the bulb seal supplied in the hardware kit (UH037-IN0) on the edge of the Unitronic airbox front opening by pressing firmly until properly seated all around. Note the position of the bulb seal on the outside of the air box opening. (Fig. 15)
- 22** If using the Unitronic Air Duct, starting at the bottom center, install the edge trim supplied in the hardware kit (UH038-IN0) on the edge of the Unitronic airbox front opening by pressing firmly until properly seated all around. (Fig. 16)
- 23** Locate the factory MAF sensor housing and one (1) O-ring from hardware kit (UH037-IN0). Install the O-ring on the MAF sensor housing on the flange side. (Fig. 17)
- 24** Locate the Unitronic MAF Adapter and two (2) M6 fasteners from the hardware kit (UH037-IN0). Install the adapter over the MAF sensor housing and fasten the two (2) M6 fasteners into the MAF adapter. (Fig. 18)
- 25** Locate the remaining two (2) O-rings. Using a silicone lubricating compound, lubricate the O-rings and install them over the Unitronic MAF Adapter in the O-ring grooves. (Fig. 19)
- 26** Using a silicone lubricating compound, lubricate the outside surface of the adapter. (Fig. 20)
- 27** Using a silicone lubricating compound, apply a thin coat of lubricant inside of the Unitronic aluminum intake tube (approx. 25mm (1in) deep), then, slide the Unitronic MAF adapter / MAF housing assembly in the intake tube. Pay attention not to pinch the O-rings while inserting the assembly in the intake tube. (Fig. 21)
- 28** Locate your Unitronic silicone intake tube (UH032-IN2). Install the clamp over the vacuum opening, insert the 90° fitting in the opening and install the vacuum line over the fitting. Do not tighten the clamp yet. (Fig. 22)



FIG. 15



FIG. 16



FIG. 17



FIG. 18



FIG. 19



FIG. 20



FIG. 21

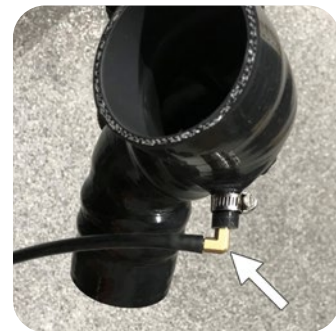


FIG. 22



INSTALLATION INSTRUCTIONS

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- 29** Position the two (2) clamps over the Unitronic silicone intake tube (UH032-IN2), then, install over the turbo-charger inlet elbow. Do not tighten the clamps yet. (Fig. 23)
- 30** Connect the vacuum line to the intake manifold port (from step 18) and tighten the small clamp for the 90° fitting at the Unitronic silicone intake tube.
- 31** Position the Unitronic airbox / MAF assembly and connect it to the silicone hose. Do not push the airbox into the mounting post yet. (Fig. 24)
- 32** If equipped with a secondary air injection system (SAI), install the Unitronic breather filter onto the factory breather hose. (Fig. 25)
- With the Unitronic Carbon Fiber Air Duct:**
- 33** Locate the Unitronic Air Duct, then, assemble and install the two (2) pipe clips into the mounting hole of the air duct. (Fig. 26)
- 34** Position the Unitronic Air Duct in place by inserting and aligning the front openings with the bumper support openings and align the air duct outlet into the airbox inlet.
- 35** Ensure the airbox and grommets are properly aligned with the mounting posts and firmly push the airbox to lock the grommets into the mounting post.
- 36** Align the Unitronic Air Duct with the mounting holes in the bumper support and secure in place with the two (2) M5 fasteners / washers supplied in the hardware kit (UH038-IN0). (Fig. 27)



FIG. 23



FIG. 24



FIG. 25



FIG. 26



FIG. 27



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- 37** Tighten the two (2) hose clamps on the silicone inlet tube, reconnect the MAF sensor harness and clip the coolant hose into the air duct hose clips. (Fig. 28)
 - 38** Reinstall the engine cover and close the engine compartment.
- With the factory air duct:**
- 33** Ensure the airbox and grommets are properly aligned with the mounting posts and firmly push the airbox to lock the grommets into the mounting post.
 - 34** Locate the factory air duct parts. Position in place by inserting and aligning the front openings with the bumper support openings, then reinstall the air duct outlet and clip into place. Reinstall the air duct cover and tighten the two (2) T30 fasteners. (Fig. 29)
 - 35** Align the factory air duct with the mounting holes in the bumper support and secure in place with the two (2) T25 fasteners. (Fig. 29)
 - 36** Tighten the two (2) silicone inlet hose clamps, reconnect the MAF sensor harness, clip the coolant hose into the air duct hose clips. (Fig. 28)
 - 37** Reinstall the engine cover and close the engine compartment.



CONGRATULATIONS! You have successfully installed Unitronic's Carbon Fiber Intake System!



FIG. 28



FIG. 29