



## INSTALLATION INSTRUCTIONS

### Unitronic Charge Pipe Upgrade Kit for 1.8/2.0 TSI® Gen3 MQB® UH011-ICA

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-IC2   | Turbo Discharge Pipe                | 1                 |
| UH007-IC2   | Throttle Body Pipe                  | 1                 |
| UH036-IC1   | Intercooler Inlet Silicone Hose     | 1                 |
| UH037-IC1   | Intercooler Outlet Silicone Hose    | 1                 |
| UH039-IC1   | Turbo Outlet Elbow Silicone Coupler | 1                 |

#### RECOMMENDED TOOLS NEEDED:

- 7mm Socket
- 8mm Socket
- T20 Torx
- T25 Torx
- T30 Torx
- Ratchet
- Flat Head Screwdriver
- Trim Removal Tool
- Hose Clamp Pliers (VAS 6362) [if installing with OEM air intake]
- Jack/Jack Stands or Vehicle Hoist



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- 1** Open the Engine Compartment first, and then using your Vehicle Hoist or Floor Jack, raise the vehicle and secure it in place.
- 2** Using your flat head screwdriver or 7mm socket and ratchet, loosen the clamps on either side of the silicone turbo inlet elbow (if using a Unitronic Carbon Fiber Intake System) or using your Hose Clamp Pliers, remove the plastic hose from the airbox to the turbo inlet elbow. (See Fig.1)
- 3** Using your 4mm Allen key, remove the two screws on either side of the Unitronic Carbon Fiber Air Duct to remove it from the vehicle. If using the stock air duct, use your T25 torx to remove the two screws holding the air duct to the radiator support. (See Fig.2 & 3)
- 4** Unclip the DSG Breather Box from the battery tray and move it to the side, out of your working space. (See Fig.4)
- 5** With your trim removal tool or flat head screwdriver, unclip the harness and coolant line from the charge pipe. (See Fig.5)
- 6** With your T30 torx, loosen the fastener. (See Fig.6)
- 7** Loosen the clamp on the turbo muffler using your 7mm socket or flat head screwdriver. (See Fig.7)
- 8** Using your 7mm socket, loosen the clamp on the throttle body. (See Fig.8)

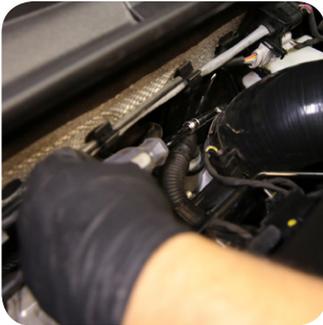


FIG. 1

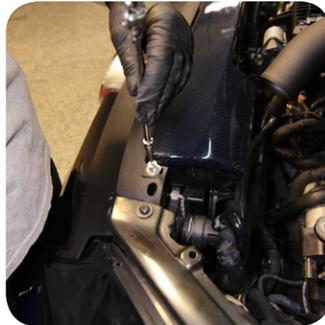


FIG. 2



FIG. 3



FIG. 4



FIG. 5

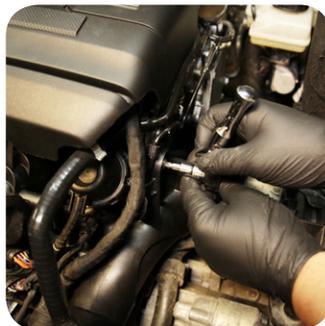


FIG. 6



FIG. 7



FIG. 8



## INSTALLATION INSTRUCTIONS

### Unitronic Charge Pipe Upgrade Kit for 1.8/2.0 TSI® Gen3 MQB® UH011-ICA

- 9** Move to the underside of the vehicle, and remove the belly pan by loosening the eight (8) fasteners with your T25 torx. (See Fig. 9)
- 10** With your trim removal tool or flat head screwdriver, unclip the harness and coolant line from the charge pipe. (See Fig.10)
- 11** Unplug the MAP sensor by locating the pin and pulling outward gently without breaking the connector. (See Fig.11)
- 12** Using your 7mm socket or flat head screwdriver, loosen the hose clamps holding the intercooler inlet and outlet hoses and remove the hoses from the vehicle. (See Fig.12)
- 13** Remove the one (1) T30 fastener behind the MAP sensor. (See Fig.13)
- 14** Allocate space by moving as many components, wiring looms, etc. out of the way to clear space to remove the factory piping from the vehicle, without getting the piping caught.
- 15** Remove the charge pipe from the throttle body boot by pulling downward. (See Fig.14)
- 16** Moving back to the engine bay, remove silicone from the turbo muffler by pulling outward.



FIG. 9



FIG. 10



FIG. 11



FIG. 12



FIG. 13

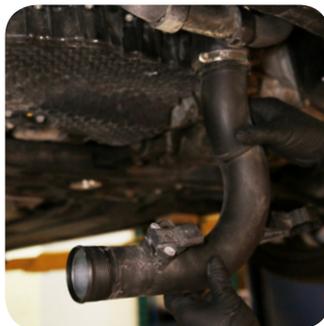


FIG. 14



## INSTALLATION INSTRUCTIONS

### Unitronic Charge Pipe Upgrade Kit for 1.8/2.0 TSI® Gen3 MQB® UH011-ICA

- 17** Remove all grommets/fasteners from the factory discharge pipe, and remove it from the engine bay.
- 18** Using your T20 torx, unbolt the MAP sensor from the factory throttle body pipe. Locate your Unitronic Throttle Body Pipe (UH007-IC2) and affix the MAP sensor to the proper location and in the same orientation as it was removed from the factory pipe. (See Fig.15)
- 19** Keeping the throttle body boot as straight as possible, install the Unitronic Throttle Body Pipe into position.
- 20** Line up the throttle body boot, by pushing it into place onto the throttle body. Use your T30 torx to tighten the fastener.
- 21** Affix the wiring harness looms into the proper/appropriate mounting locations / brackets on the Unitronic Throttle Body Pipe.
- 22** Locate your Unitronic Intercooler Silicone Inlet and Outlet Hoses (UH036-IC1 & UH037-IC1) and install them into position. Tighten the supplied hose clamps using your flat head screwdriver.
- 23** Moving back to the engine bay, locate your Unitronic Turbo Outlet Silicone Coupler (UH039-IC1) and install it onto the Unitronic Discharge Pipe. Install this pipe and silicone coupler starting from the back to the front, for easiest installation.
- 24** Using your T30 torx, tighten the fasteners and tighten the hose clamps.
- 25** Clip back in all the coolant hoses and harnesses that were removed previously.
- 26** Re-install the Air Duct and Air Box
- 27** Re-install the belly pan.

**CONGRATULATIONS! You have successfully installed Unitronic's Charge Pipe Upgrade Kit!**



FIG. 15