



INSTALLATION INSTRUCTIONS

Unitronic Downpipe for 2.0 TSI® Evo4 FWD MQB®
UH071-EXA

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
UH042-EX2	MK8/8Y Upper Downpipe Section Uni	1
UH026-EX1	MQB 1.8/2.0TSI FWD Lower Downpipe Section	1
UH008-EX3	3" V-Band to 65mm Reducer	1
UH001-EX0	Unitronic 3" V-Band Clamp	2
UH002-EX7	3-inch Sealing Ring	2

RECOMMENDED TOOLS NEEDED:

- Oxygen Sensor Wrench
- T25 Torx
- 8mm Hex socket
- 6mm Hex socket
- 13mm socket
- 18mm socket
- 3/8" Ratchet
- 12" Extension
- Torque wrench
- Pick
- Pry bar



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- 1** Place the vehicle on jack stands or vehicle hoist and open the engine compartment. **(MAKE SURE TO ALLOW THE EXHAUST TO COOL DOWN BEFORE BEGINNING INSTALLATION)**
- 2** If your car is equipped with an engine cover, remove it by pulling upwards on every corner.
- 3** Unplug the primary oxygen sensor connector located on the engine wiring harness channel by unclipping it from the plastic bracket and pressing the tab to disconnect it. Unclip the wiring from the metal retaining clip. Finally unscrew the O2 sensor with the appropriate tool or a 22mm wrench. (See Fig. 3)
- 4** Disconnect the secondary oxygen sensor connector near the brake fluid reservoir on the firewall and unclip the wiring from the plastic retaining clips. (See Fig. 4)
- 5** Using a pick tool, release the secondary oxygen sensor wiring from the 2 metal clips securing it along the turbo-charger's metal bracket. (See Fig. 5)
- 6** Remove the retaining bolt from the factory v-band using a 6mm Hex socket. (See Fig. 6)
- 7** Remove two (2) 13mm bolts from both sides of the downpipe subframe mount. Then remove the subframe mount from the downpipe mounting posts to provide better access for the following steps. (See Fig. 7)
- 8** From the passenger side wheel well, use a long extension and 8mm Ball Head Hex socket to unscrew the nuts securing the axle heat shield and then remove the heat shield. (See Fig. 8)
- 9** With the extra space now available, reach in to loosen the lower O2 sensor located on the body of the catalytic converter and remove it. (See Fig. 9)



FIG. 3



FIG. 4



FIG. 5

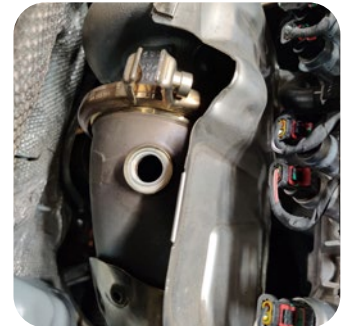


FIG. 6

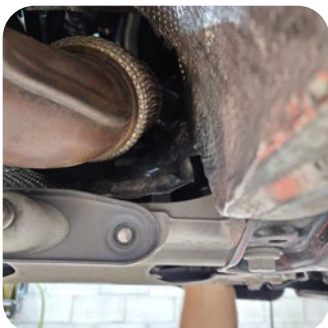


FIG. 7



FIG. 8

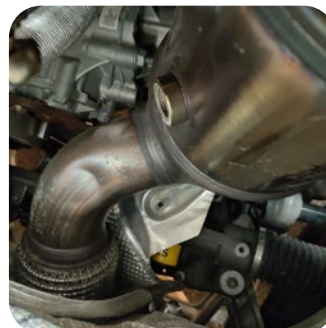


FIG. 9

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- 10** Using a 13mm socket, loosen the bolt holding the downpipe bracket to the engine block right above the passenger side axle. (See Fig. 10)
- 11** Remove the four (4) 13mm bolts holding the chassis reinforcement bracket. (See Fig. 11)
- 12** Remove the two (2) 13mm nuts from the middle exhaust sleeve clamp and slide it out of the way. (See Fig. 12)
- 13** Using your 18mm socket, remove the front two (2) "dogbone" mount bolts. (See Fig. 13)
- 14** Using your pry bar, press the engine/transmission assembly slightly towards the front of the vehicle to allow more space to rotate the OEM downpipe out of its location.
- 15** Remove the downpipe from the vehicle by rotating it to the side and sliding it out. (See Fig. 15A & 15B)
(DEPENDING ON YOUR TYPE OF EMISSIONS REGULATION PARTICULATE FILTER YOU MIGHT NEED TO LOOSEN THE SUBFRAME BOLTS AND LOWER THE SUBFRAME BY ONE INCH TO GET ADDED CLEARANCE)
- 16** Locate the Unitronic Upper Downpipe Section (UH042-EX2). (See Fig. 16)
- 17** Install the downpipe on the car from underneath by rotating and maneuvering it into place and finally align the top V-Band flange and loosely attach the V-Band clamp and bolt. Only leave the bolt snug (5Nm) to allow for rotation when securing the bracket mounting bolt. (See Fig. 17)



FIG. 10



FIG. 11



FIG. 12



FIG. 13

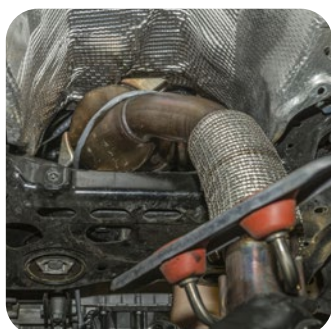


FIG. 15A

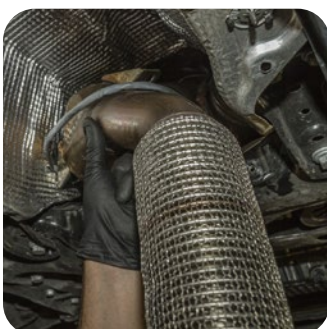


FIG. 15B



FIG. 16

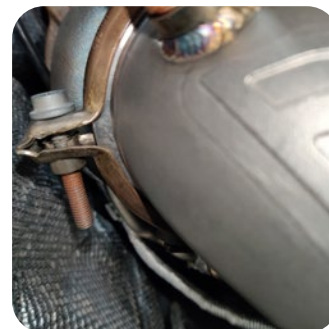


FIG. 17



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- 18** Reinstall the 13mm bolt securing the downpipe bracket to the engine block and tighten lightly (2Nm) then loosen 90 degrees. (See Fig. 18)
- 19** On top of the engine tighten the v-band to 15Nm.
- 20** Finally torque the downpipe bracket bolt to 20Nm.
- 21** With the Unitronic Upper Downpipe section in place and secured, reinstall the lower O2 sensor and tighten it.
- 22** Reinstall the passenger side axle heat shield with the 8mm Ball Head Hex socket and long extension.(See Fig. 22)
- 23** Reinstall the dogbone mount 18mm bolts and torque to 70Nm.
- 24** Install the lower subframe bracket onto the mounting points of the Unitronic Downpipe Section. (See Fig. 24A) and tighten the two (2) 13mm bolts (See Fig. 24B)
- 25** Locate the Unitronic Lower Downpipe section. (UH026-EX1)
- 26** Install the Lower Unitronic Downpipe Section. (See Fig. 26)
- 27** Locate one Unitronic V-Band Clamp (UH001-EX0) and one Sealing Ring (UH002-EX7) and install it on the front end of the lower downpipe section (UH026-EX1). (See Fig. 27)



FIG. 18



FIG. 22



FIG. 24A



FIG. 24B



FIG. 26



FIG. 27



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- 28** Locate the Unitronic Reducer (UH008-EX3), remaining V-Band Clamp (UH001-EX0) and Sealing Ring (UH002-EX7). Install it into the stock slip clamp to mate the Unitronic Downpipe to the stock Cat-Back and tighten the two (2) 13mm nuts. Be sure to place the sealing ring in the appropriate groove on the V-Band Flange before affixing the clamp around the V-Band flanges. (See Fig. 28)
- 29** Re-Install the chassis reinforcement bracket and four 13mm bolts. (See Fig. 29)
- 30** Reinstall the secondary O2 sensor wiring into the metal clip on the turbocharger bracket. Route the wiring on the firewall clips, reconnect the O2 sensor and clip to the plastic bracket. (See Fig. 30A and Fig. 30B)
- 31** Reinstall the primary O2 sensor near the V-Band, clip the wiring into its metal clip, reconnect the connector plug and clip the plugs into the plastic bracket on the wiring tray. (See Fig. 31A and Fig. 31B)
- 32** Finally, check and adjust tip alignment, if necessary, and tighten all Unitronic V-Band Clamps to 10Nm using a torque wrench.

CONGRATULATIONS! You have successfully installed Unitronic's Downpipe!



FIG. 28



FIG. 29



FIG. 30A



FIG. 30B



FIG. 31A



FIG. 31B