INSTALLATION INSTRUCTIONS

Unitronic 3" Downpipe for B8/B8.5 A4®/A5® & Q5® 2.0 TSI® AVS
UH014-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
UH009-EX1	Cat Section	1
UH011-EX1	Downpipe Section	1
UH008-EX3	3" to 65mm Reducer	1
UH001-EX0	3" V-Band Clamp	2
UH002-EX7	3" Seal Ring	2

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RECOMMENDED TOOLS NEEDED:

- Jack Stands & Floor Jack (or vehicle lift)
- Flat head screwdriver
- 12mm socket or box wrench
- 13mm socket (3/8")
- 13mm box wrench
- 14mm deep socket
- 7mm socket
- Oxygen Sensor socket (or 22mm socket)
- 17mm deep socket
- 12" extension
- Penetrating oil.

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1. Raise the vehicle on jack stands or vehicle hoist to gain access to the underside of the vehicle.
2. Remove the belly pan from the underside of the vehicle using a flat head screwdriver. (See Fig. A)
3. Using your 12mm box wrench, remove the 3 bolts connecting upper and lower downpipe sections together. (See Fig. B)
4. Using your 13mm socket, loosen the center clamp holding the downpipe to the cat-back portion of the exhaust system. It may be necessary to soak these bolts in some penetrating oil prior.
5. Unbolt the bracket holding the catalytic converter to the transmission using a 13mm box wrench. (See Fig. C)
6. You can now remove the lower portion of the downpipe from the vehicle and set it aside. (See Fig. D)
7. Remove the vehicle off the jack stands or lower it on the hoist, as the next portion will be done from inside the engine bay. (See Fig. E)
8. Remove the front air duct between the radiator support and air box. (See Fig. F)
9. Unplug the mass air flow (MAF) sensor. (See Fig. G)

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FIG. A

FIG. B

FIG. C

FIG. D

FIG. E

FIG. F

FIG. G

10 Using a flat head screwdriver or 7mm socket, loosen the clamp holding the turbo inlet pipe and disconnect it from the MAF housing. (See Fig. H)

11 Pull upward on the airbox to release it from the mounting grommets and remove it from the vehicle.

12 Remove the plastic engine cover by pulling upward to also release it from its mounting grommets.

13 Unplug primary Oxygen sensor and remove it from the exhaust using your Oxygen sensor socket (See Fig. I)

14 Unplug the secondary Oxygen sensor located on the driver's side beside the transmission (See Fig. J & K) and remove the secondary o2 from the exhaust, located behind the engine. (See Fig. L)

15 Raise the vehicle again to remove the 4 bolts holding the downpipe to the turbocharger using a 17mm deep socket and 12" extension from the underside of the vehicle. (See Fig. M)

16 Remove the catalytic converter from the top. Utilize the allocated space in the shock tower to allow the cat converter body to come out. (See Fig. N & O)

17 Remove the catalytic converter bracket using a 13mm box wrench.

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FIG. H

FIG. I

FIG. J

FIG. K

FIG. L

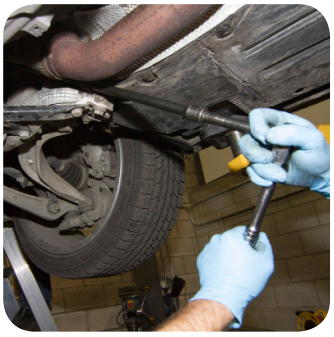
FIG. M

FIG. N

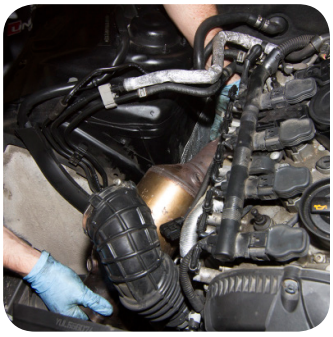
FIG. O

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UH014-EXA

18 Locate Unitronic 3″ Downpipe (UH011-EX1) and Cat Section (UH009-EX1). Start by installing the supplied downpipe gasket on the turbocharger and mount the Unitronic Downpipe Section on the turbocharger's exhaust studs. (See Fig. P) Secure the Downpipe Section to the turbocharger with the supplied 14mm nuts. Tighten to 40 Nm. (See Fig. Q & R)

19 Re-install the primary o2 sensor and tighten accordingly, using your o2 sensor socket. (See Fig. S) Re-plug the primary o2 sensor into the electrical connection.

20 Re-install the secondary o2 sensor and tighten accordingly, using your o2 sensor socket. (See Fig. T) Re-plug the secondary o2 sensor into the electrical connection.

21 Connect and tighten the catalytic converter bracket to the transmission using a 13mm box wrench. Attach the upper end to the Unitronic Cat Section and the lower end with the busing to the mounting point on the transmission. (See Fig. U)

22 Locate the 3″ Seal Rings (UH002-EX7) and install one seal ring between the Unitronic Downpipe Section and Cat Section. Next, locate the 3″ V-Band Clamps (UH001-EX0) and install one over the v-band connection. Tighten to proper torque specification of 7 lb-ft. (See Fig. V & W)

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FIG. P

FIG. Q

FIG. R

FIG. S

FIG. T

FIG. U

FIG. V

FIG. W

23 Locate and install the 3" to 65mm reducer to mate the Unitronic Downpipe to your factory cat-back. Be sure to use the other seal ring and v-band clamp. Torque v-band clamp to 7 lb-ft. (See Fig. X)

24 Re-install the slip-clamp between the OEM Exhaust and Unitronic reducer and tighten to 25 Nm using a 13mm socket. (Fig. Y)

25 Re-install the belly pan and lower the vehicle back on the ground.

26 Re-install airbox.

27 Re-install the turbo inlet pipe and secure it using your 7mm socket or flat head screwdriver. Re-plug your MAF sensor.

28 Re-install the air ducting.

29 Finally, re-install plastic engine cover.

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CONGRATULATIONS! You have successfully installed Unitronic's 3" Downpipe!

FIG. X

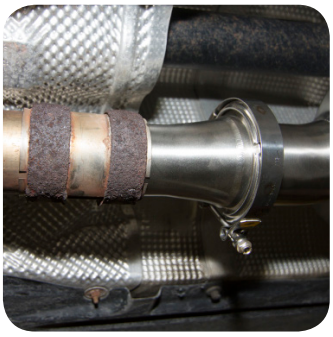

FIG. Y