



INSTALLATION INSTRUCTIONS

Unitronic Downpipe for AWD 1.8 TSI® Gen3 MQB® UH042-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
UH031-EX2	MQB Upper Downpipe Section w/ Cat	1
UH014-EX1	MQB AWD Midpipe	1
UH013-EX3	MQB AWD 3" to 60mm Reducer	1
UH001-EX0	3" V-Band Clamp	2
UH002-EX7	Sealing Ring	2

RECOMMENDED TOOLS NEEDED:

- Oxygen Sensor Wrench
- T25 Torx
- T40 Torx
- 8mm Allen
- 10mm Female Triple Square
- 10mm Triple Square
- 6mm Allen
- 13mm socket
- 16mm socket
- 3/8" Ratchet
- 12" extension
- Torque wrench
- Pick
- Paint Marker
- Pry bar



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- 1** Place the vehicle on jack stands or vehicle hoist and open the engine compartment.
- 2** Remove engine cover by pulling firmly upwards on the cover. (See Fig. A)
- 3** Unplug the primary Oxygen sensor near the brake fluid reservoir. (See Fig. B)
- 4** Remove the o2 sensor wiring from the firewall retaining clips. (See Fig. C)
- 5** Remove the retaining bolt from the factory v-band using a 6mm Allen key. (See Fig. D)
- 6** Remove the four (4) T25 torx bolts from either side of the plastic belly pan. (See Fig. E)
- 7** Remove the rear T40 torx bolts from either side of the plastic belly pan. (See Fig. F & G)
- 8** Using a pry bar or flat head screwdriver, release the retaining clips towards the front of the plastic belly pan to release the belly pan and remove. (See Fig. H)
- 9** Using a small pick, push in on the retaining clips to release the front of the wind deflector on each side. (See Fig. I & J)

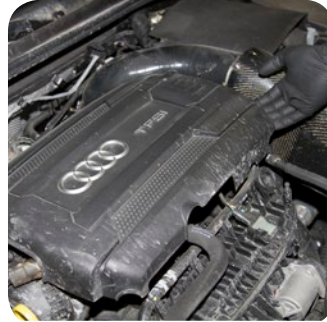


FIG. A



FIG. B



FIG. C

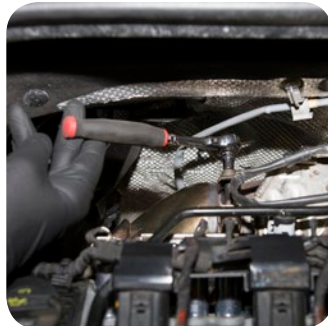


FIG. D

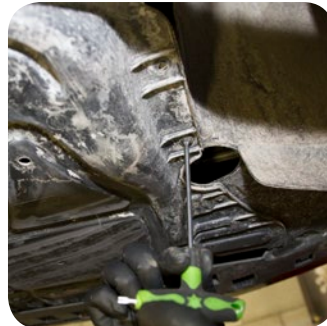


FIG. E

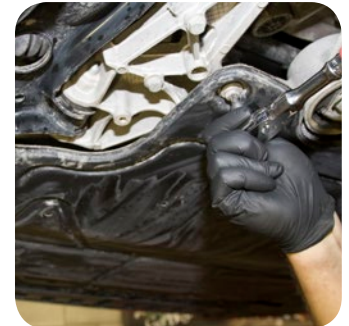


FIG. F



FIG. G

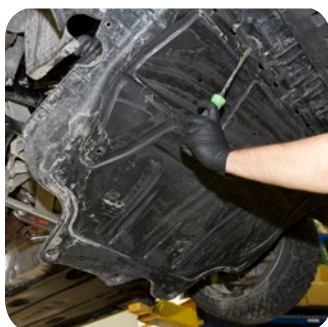


FIG. H

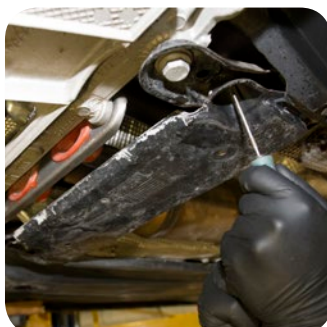


FIG. I

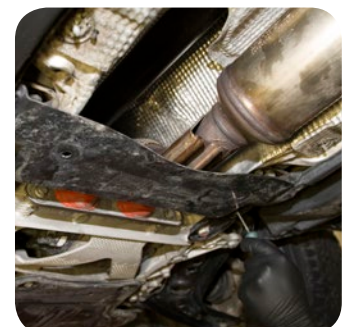


FIG. J



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- 10** Use your T25 Torx to remove the bolts on either side of the rear of the wind deflector and remove. (See Fig. K)
- 11** Remove two 13mm bolts from either side of downpipe subframe mount. Then remove subframe mount from downpipe mounting posts to provide better access for the following steps. (See Fig. M)
- 12** Remove the upper driver side bolt for the drive shaft heat shield using a 10mm triple square. (See Fig. N)
- 13** Remove 8mm Allen on passenger side of drive shaft heat shield and remove heat shield. (See Fig. O)
- 14** Using your 16mm socket, remove the front two "dogbone" mount bolts. (See Fig. P)
- 15** Using your paint marker, mark the driveshaft for orientation to ensure reinstallation is aligned properly.(See Fig. Q)
- 16** Using your 10mm triple square female socket, remove the three (3) bolts holding the drive shaft flange to bevel box. (See Fig. R)
- 17** Using your pry bar, press the engine/transmission assembly slightly towards the front of the vehicle and remove the driveshaft from the bevel box. NOTE: If damage is done to the driveshaft center seal, replacement is necessary. (See Fig. S & T)

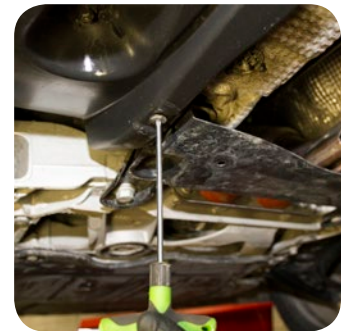


FIG. K

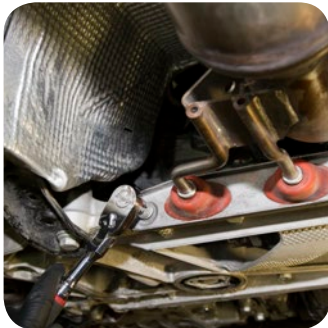


FIG. M

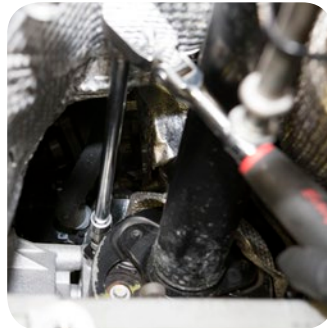


FIG. N

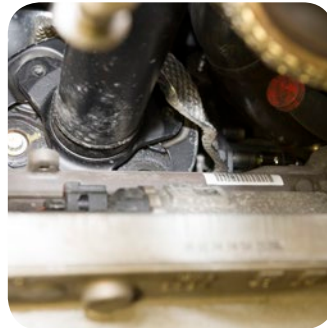


FIG. O



FIG. P

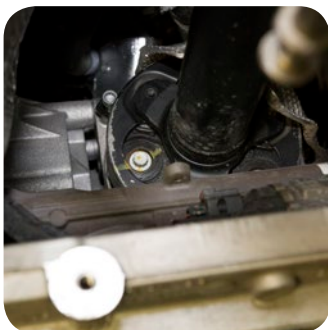


FIG. Q



FIG. R

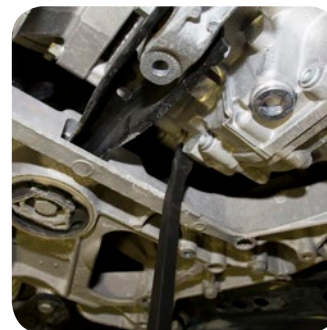


FIG. S

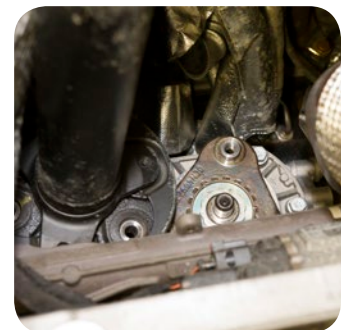


FIG. T



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Unitronic Downpipe for AWD 1.8 TSI® Gen3 MQB®
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- 18** Using a 13mm socket, extension, and ratchet, from the top, loosen the nut holding the downpipe bracket located near the engine motor mount. (See Fig. U)
- 19** From under the vehicle, use your 13mm socket to remove the 2 nuts holding the downpipe to the engine bracket.
- 20** Loosen the two (2) 13mm bolts holding the downpipe bracket to the engine block. (See Fig. V)
- 21** Remove the two (2) 13mm nuts from the middle exhaust sleeve clamp and slide it out of the way. (See Fig. W)
- 22** Remove the downpipe from the vehicle by rotating it to the side and sliding it out. (See Fig. X & Y)
- 23** Remove the o2 sensor from the downpipe using your o2 sensor wrench.
- 24** Locate the Unitronic Cat Section (UH031-EX2). Install the primary o2 sensor into the correct mounting location.
- 25** Install the Cat Section on the car from underneath and mate the upper v-band flange to the turbocharger. (See Fig. Z) Be sure to align the 2 studs from the downpipe bracket into their specific slots on the downpipe. (See Fig. AA)
- 26** Reinstall the two (2) 13mm nuts holding the downpipe to the engine bracket. (See Fig. BB)

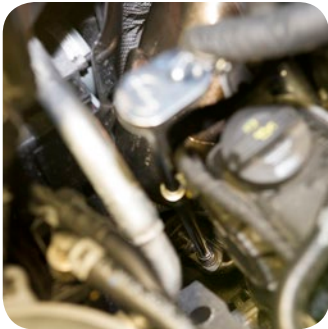


FIG. U



FIG. V

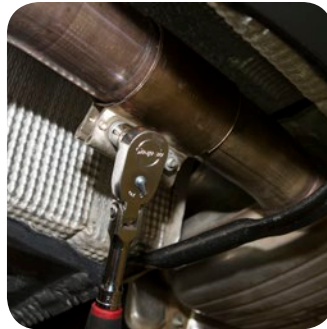


FIG. W

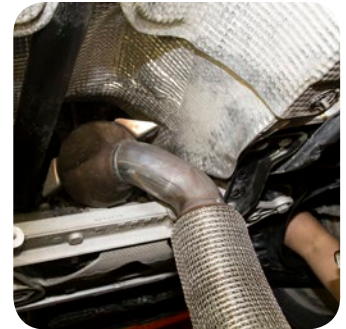


FIG. X

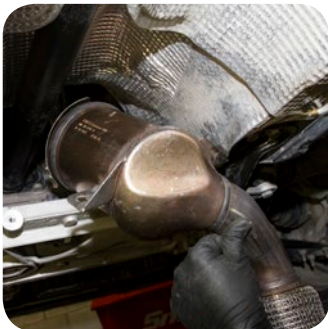


FIG. Y

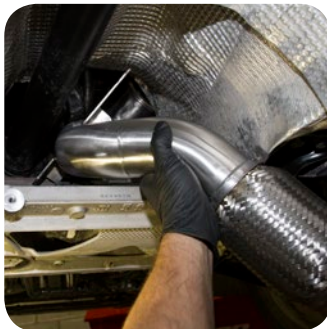


FIG. Z

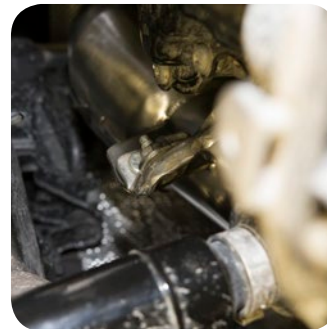


FIG. AA

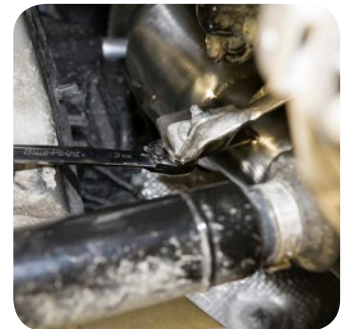


FIG. BB



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- 27** Retighten the two (2) 13mm nuts holding the downpipe bracket to the engine block. (See fig. CC)
- 28** Install the lower downpipe subframe bracket onto the mounting bracket of the Unitronic Downpipe Section. (See Fig. DD) and tighten the 2 13mm bolts (See Fig. EE)
- 29** Locate the Unitronic Downpipe Downpipe section (UH014-EX1)
- 30** Install the Unitronic Downpipe Section. (See Fig. FF)
- 31** Locate one of the Unitronic V-Band Clamps (UH001-EX0) and one Sealing Ring (UH002-EX7) and insert the sealing ring into the appropriate groove on the v-band flange, mate the Cat Section and Flex Section's V-band flanges together, and affix the V-Band Clamp around the V-band flanges to secure it in position. (See Fig. GG)
- 32** Locate the Unitronic 3" to 60mm Reducer (UH013-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 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. HH)
- 33** Re-install the stock v-band clamp to mate the turbocharger discharge to the Unitronic Downpipe Cat Section. (See Fig. II)
- 34** Re-Install the primary o2 sensor wiring into the corresponding firewall retaining clips. (See Fig. JJ)
- 35** Finally, check and adjust tip alignment, if necessary, and tighten all Unitronic V-Band Clamps to 7 ft-lb using a torque wrench.

CONGRATULATIONS! You have successfully installed Unitronic's Downpipe!

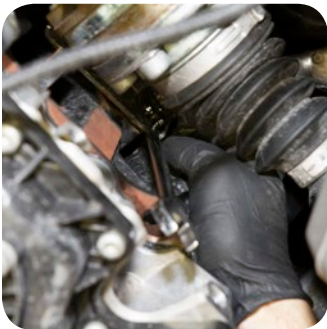


FIG. CC

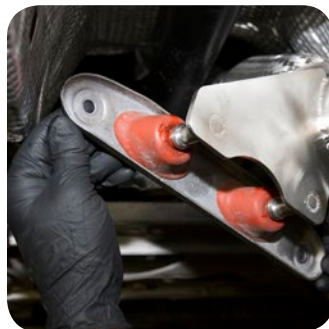


FIG. DD



FIG. EE



FIG. FF

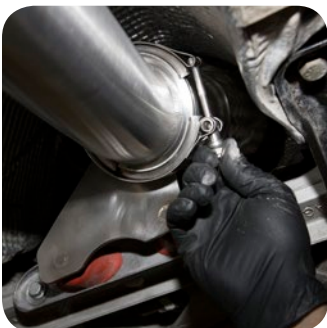


FIG. GG

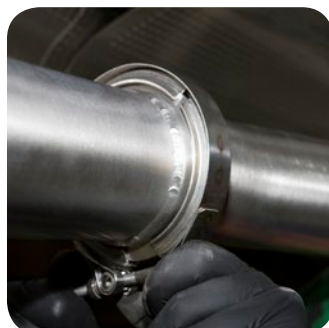


FIG. HH

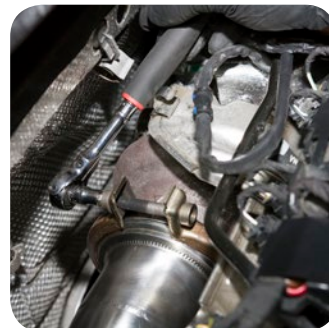


FIG. II



FIG. JJ