



## INSTALLATION INSTRUCTIONS

### Unitronic 3" Turbo-Back Exhaust System for MK6 GTI® UH018-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](http://www.getunitronic.com)

It is recommended to confirm all parts are present prior to beginning to remove the OEM exhaust system.

#### PACKING LIST:

PART NUMBER	DESCRIPTION	QUANTITY INCLUDED
UH006-EX1	Unitronic Downpipe Section for 1.8/2.0 TSI®	1
UH001-EX2	Unitronic Cat Section for 1.8/2.0 TFSI®/TSI	1
UH001-EX4	Unitronic 3" Adjustable Link	1
UH002-EX5	Unitronic 3" Resonator Section for MK6 GTI	1
UH002-EX6	Unitronic 3" Muffler Section for MK6 GTI	1
UH001-EX0	Unitronic 3" V-Band Clamps	4
UH002-EX7	Unitronic 3" Seal Rings	4

#### RECOMMENDED TOOLS NEEDED:

- Jack Stands & Floor Jack (or vehicle lift)
- 13mm socket (3/8")
- 11mm socket (3/8")
- 3/8" ratchet
- 8" or 12" prybar
- PB Blaster, WD-40, Liquid Wrench, or any other penetrating oil.
- Locking pliers
- 22mm oxygen sensor wrench
- 16mm socket



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**1** Secure your vehicle safely on jack stands to gain access to the underside of your vehicle and open your hood. It's recommended to disconnect the negative terminal from the battery, too.

**2** From underneath the vehicle, use Penetrating Oil to soak the downpipe studs/nuts, o2 sensors, and slip clamp connection between the downpipe and cat-back sections.

**NOTE:** We recommend you do this first to ensure penetrating oil has ample time to penetrate through any rust or corrosion, by the time you're ready to loosen the nuts. For added ease, spray the studs/nuts multiple times throughout the initial steps.

**3** Disconnect the MAF sensor connector and remove wire from retaining clip on the accordion style air intake tube. **(See Fig. A)**

**4** Using locking pliers, release tension from the clamp holding the accordion style air inlet tube to the MAF housing and slide air tube off MAF housing. Release clamp safely on edge of air tube. **(See Fig. B)**. Follow the same method for removing the clamp on the other end of the accordion style air intake tube. **(See Fig. C)**. Remove air intake tube from the vehicle.

**5** Unplug the upper oxygen sensor connector located near the brake master cylinder on the driver side of the vehicle and remove wire from retaining clip on firewall **(See Fig. D and E)**

**6** Using a 22mm Oxygen sensor wrench, remove the primary (upper) oxygen sensor from the stock downpipe. **(See Fig. F)**

**NOTE:** Please ensure that the sensor probes of the Oxygen sensors are not contaminated with grease, etc. Contaminating the Oxygen sensor may negatively influence its function.



FIG. A



FIG. B



FIG. C



FIG. D



FIG. E



FIG. F



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**7** Remove the two (2) upper downpipe flange nuts using a 16mm socket and ratchet. **(See Fig. G & H)**

**8** Remove the [axle shaft] heat shield from the engine block using a 16mm socket and ratchet **(See Fig. I)**

**9** Remove the lower two (2) downpipe flange nuts using a 16mm socket and ratchet. **(See Fig. J)**

**10** Using your 22mm o2 sensor wrench, remove the post-catalyst o2 sensors from the stock downpipe.

**11** Unbolt the front portion of the passenger side lower plastic cover **(See Fig. K)** Using a 13mm socket and ratchet to access the o2 sensor connector. Temporarily disconnect the sensor. **(See Fig. L)**

**12** Unbolt the two (2) bolts holding the subframe grommet bracket to the vehicles subframe using a 13mm socket and ratchet. **(See Fig. M)**. Using a pry bar, remove the red grommets from the downpipe hangars **(See Fig. N)**.

**13** Unbolt the two (2) exhaust tunnel braces from the vehicle using a 13mm socket and ratchet. Each brace has four (4) 13mm nuts.



FIG. G



FIG. H



FIG. I



FIG. J



FIG. K



FIG. L



FIG. M



FIG. N



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**14** Loosen the two (2) 16mm nuts on the stock slip clamp holding the downpipe and cat-back sections together using a 16mm socket and ratchet. **(See Fig. O)**

**15** Using a pry bar, remove the exhaust hangers from the rubber hangers mounted to the chassis. **(See Fig. P)**

**16** Remove the stock slip clamp from the stock cat-back first then from the downpipe.

**17** Carefully remove the downpipe from the vehicle by sliding the mounting flange from the turbo studs. Once cleared off the studs, the downpipe may require some finagling to get it entirely out.

**18** Locate the exhaust hanger affixed to the resonator of your stock exhaust and remove it from the rubber exhaust hanger. It is recommend to use your prybar and penetrating oil to help slide the hanger from the rubber mount. **(See Fig. Q)**

**19** Locate the rear exhaust hangers on the suitcase muffler (one on each side) and slide those off in the same fashion as you did in Step 4. **(See Fig. R)**

**20** Side out the two exhaust hangers at the rear of the exhaust tunnel. **(See Fig. S)**

**21** Remove the stock cat-back and set it aside. Now you're ready to install your Unitronic 3" Cat-Back System. **(See Fig. T)**

**22** Locate the Unitronic MK6 GTI 3" Resonator Section (UH002-EX5) and slide the exhaust hanger posts into the rubber hangers located at the rear of the exhaust tunnel. **(See Fig. U)**



FIG. O

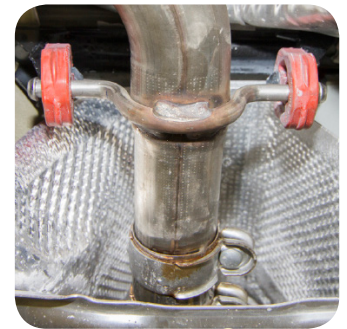


FIG. P



FIG. Q



FIG. R



FIG. S



FIG. T



FIG. U



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### Unitronic 3" Turbo-Back Exhaust System for MK6 GTI® UH018-EXA

**23** Slide the exhaust hanger into the 2nd rubber hanger.

**24** Locate the Unitronic MK6 3" Muffler Section (UH003-EX6) and start by installing this section into the two rubber exhaust hangers on either side of the muffler section. Its recommend to start with the passenger side mount, then move to the driver's side mount. **(See Fig. V & W)**

**25** Locate one of Unitronic's 3" V-Band Clamps (UH001-EX0) and one 3" Seal Ring (UH002-EX7). Slide the V-Band clamp over the resonator pipe, making sure to use the sealing ring between the v-band flanges. Ensure the seal ring is properly positioned in the corresponding groove in the v-band flange, and mate the two flanges together. Hand tighten the v-band clamp. You will come back and tighten them all once you're cat-back is fully installed. **(See Fig. X & Y)**

**26** Locate Unitronic 3" Adjustable Link (UH001-EX4) and repeat Step 11 for these v-band connections between the resonator section and cat section. **(See Fig. Z)**

**27** Re-install the middle exhaust tunnel bracket using the oem 13mm nuts, 13mm socket and ratchet.

**28** Align your tips appropriately and secure both v-band clamps to 7lb-ft of torque. It's very important not to over torque the clamps. You should re-check torque specifications on the clamps after a full heat-cylce.

**CONGRATULATIONS! You have successfully installed Unitronic's Turbo-Back Exhaust System for MK6 GTI!**



FIG. V



FIG. W



FIG. X



FIG. Y



FIG. Z