



## INSTALLATION INSTRUCTIONS

### Unitronic Dogbone Mount Upgrade for 2.5 TFSI® EVO (DAZA and DNWA) UH001-DRA

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 |
|-------------|---|-------------------|
| UH001-DR6   | Unitronic Dogbone Arm for 8V.2 / 8S 2.5 TFSI EVO          | 1                 |
| UH002-DR6   | Unitronic Street Poly Bushings                            | 2                 |
| UH003-DR6   | Unitronic Dogbone Insert                                  | 2                 |
| UH004-DR6   | Unitronic Dogbone Mount Top Cap                           | 1                 |
| UH005-GR6   | Unitronic Dogbone Mount Bottom Cap                        | 1                 |
| UH001-DR0   | Hardware Kit for Dogbone Mount for 8V.2 / 8S 2.5 TFSI EVO | 1                 |

#### RECOMMENDED TOOLS NEEDED:

- T25 Torx
- T45 Torx
- 13mm Socket
- 18mm Socket
- 21mm Socket
- 22mm Socket
- 18mm Wrench
- 3/8 or 1/2 Drive Ratchet (optional)
- 3/8 or 1/2 Drive Torque Wrench
- Wireless Drill (Optional)
- Impact gun (Optional)
- Sawzall with blade appropriate for cutting metal & plastics
- Rubber Mallet
- Pry Bar/Screwdriver
- Metric ruler or vernier
- 3 in PVC Pipe x 4 to 6 inches long (optional insertion tool)
- Silicone Spray (optional)
- Extra Light source, if required
- Emery Cloth/Scotch pad



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- 1** Secure your vehicle on hoist to gain access to the underside of the vehicle
- 2** Using the T25 Torx, remove the seven (7) screws fastening the underbody belly pan. (See Fig. 1)
- 3** Using the T45 Torx, remove the last three (3) screws fastening the back end of the belly pan. Remove the belly pan from the vehicle. (See Fig. 1)
- 4** Using the 13mm socket, remove the four (4) bolts fastening the sway bar to the subframe. Maneuver the sway bar upward to provide room for the installation of the mount. (See Fig. 2)
- 5** Using the 18mm socket, remove the two (2) bolts fastening the yoke to the engine and transmission. (See Fig. 3)
- 6** Using the 21mm Socket, remove the bolt fastening the original dogbone arm to the original rubber mount. Proceed with removing the dogbone arm out from the mount. (See Fig. 3)
- 7** Place the dogbone arm and yoke assembly on a table; using the 18mm socket and wrench, remove the bolt fastening the yoke to the OEM dogbone arm. The original yoke will be used with the installation of the new Unitronic dogbone mount assembly. (See Fig. 4)
- 8** Using the sawzall, locate the front section of the lower bushing where there is the least material to cut through. With caution, cut the bushing until through. To make it easier to remove lower bushing, add another cut to the opposite side. (See Fig. 5 & 6)
- 9** Using the pry bar or large screwdriver, remove the lower bushing from the subframe. (See Fig. 7)
- 10** Again, using the sawzall, locate the front section of the upper bushing where there is the least material and cut with caution until through. (See Fig. 5 & 6)



FIG. 1



FIG. 2



FIG. 3



FIG. 4



FIG. 5



FIG. 6



FIG. 7



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- 11** Again, using the pry bar or large screwdriver, remove the upper bushing from the subframe. (See Fig. 8)
- 12** Inspect the bore in case there were any burrs made during the removal of the upper and lower bushings. Using the emery cloth or scotch pad, smoothen the affected areas as best as possible. Remove debris from the bore.
- 13** Locate the Top cap (UH004-DR6) and Upper Damper (UH002-DR6) and insert the top cap into the Upper Damper. Align the Uni logo on the top cap with the Damper's opening. Insert the Top Cap and Damper into the bore with the Damper's opening orientated towards the front, aligned with the corresponding opening on the subframe. Carefully push the top cap and damper through the bore and allow it to sit atop the bore, beneath the sway bar. (See Fig. 9 & 10)
- 14** Locate and align the rectangular notch of the Upper Bushing (UH003-DR6) with the corresponding rectangular opening on the subframe. (See Fig. 11)
- 15** Once it is recessed enough, use the 3 inch PVC pipe to continue inserting until halfway to the top end of the bore. Locate the Top cap and Upper Damper sitting atop of the bore and allow it to insert into the upper bushing. (See Fig. 12 & 13)
- 16** Align the Upper Damper using the alignment tab to correspond with the alignment notch on the Upper bushing. Once inserted, inspect and continue inserting the bushing until the opening notch in the bushing is seen to sit approximately 2 mm below the top edge of the subframe hole. During this operation, be sure to maintain the alignment of the bushing with the subframe. (See Fig. 14 & 15)



FIG. 8



FIG. 9



FIG. 10



FIG. 11

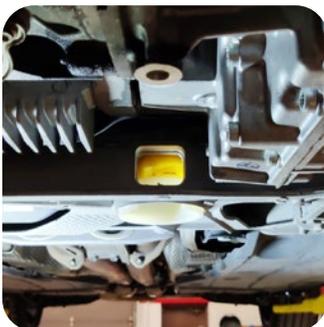


FIG. 12



FIG. 13



FIG. 14



FIG. 15



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### Unitronic Dogbone Mount Upgrade for 2.5 TFSI® EVO (DAZA and DNWA) UH001-DRA

- 17** Locate and align the rectangular notch of the Lower Bushing (UH003-DR6) with the subframe opening. As was done previously (step 14); carefully tap the bushing, axially centered, until the upper edge of the lower bushing contacts the upper bushing. Inspect both bushings for alignment with the corresponding hole in the subframe.
- 18** Using the 18 mm Socket and 18mm Wrench, assemble the original yoke to the Unitronic Dogbone Arm (UH001-DR6) and torque accordingly to 75 ft-lbs (100 Nm). (See Fig. 16)
- 19** Lightly apply silicone spray to the recessed areas of the upper and lower Dampers.
- 20** Insert the Lower Damper (UH003-DR6) into the lower bushing, aligning the tab with the corresponding notch on the lower bushing.
- 21** Install the Unitronic Dogbone Arm and Yoke. Insert the dogbone arm into the subframe opening to interface and engage the Upper and Lower Dampers. (See Fig. 17)
- 22** Using the 18 mm socket, align and hand tighten the yoke using the two original 18mm bolts for the engine and transmission. The OEM recommends to replace these bolts after removing, to always install by hand for the first few turns, and cautions that there is a risk of damaging the threads on the transmission threaded connection of the body. Torque accordingly to 37ft-lbs + 90° (50 Nm + 90°). (See Fig. 18)
- 23** Insert the Bottom Cap (UH005-DR6) with the supplied 22 mm Bolt and Lock Washer into the lower damper; with the Unitronic Logo toward the front. Configure the lock washer, so the conical side is facing up, in contact with the Bottom Cap. Hand tighten the bolt until snug. Using the torque wrench, torque to 10 ft-lbs as a base setting. (See Fig. 19)

NOTE: If desired, it can be made stiffer by increasing the torque value until there are two full threads protruding past the hole in the top cap.

At its maximum setting, NVH significantly increases and may be less desirable. It is the user's sole discretion on what is considered appropriate.



FIG. 16



FIG. 17



FIG. 18

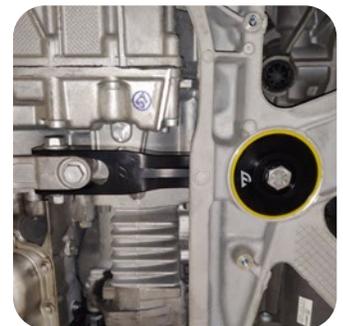


FIG. 19



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- 24** Using the 13 mm socket; maneuver and align the sway bar and brackets back to its original position. The OEM recommends to replace these bolts after removing, to always install by hand for the first few turns, and cautions that there is a risk of damaging the threads on the subframe threaded connection of the body. The subframe bolts on the body must not be loosened or tightened with an impact wrench. Torque accordingly to 15 ft-lbs + 180° (20Nm + 180°).
- 25** Inspect installation for anything that may be missing.
- 26** Using the T25 & T45 Torx, re-install the belly pan.
- 27** Safely lower the car and proceed to take it for a test drive.

**CONGRATULATIONS! You have successfully installed Unitronic's Dogbone Mount!**