



INSTALLATION INSTRUCTIONS

Unitronic Intercooler Upgrade Kit for 2.0 TSI® Gen3 MQB® UH009-ICA

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
UH005-IC3	1.8/2.0 TSI Gen3 MQB IC Core	1
UH005-IC0	Intercooler Hardware Kit	1

RECOMMENDED TOOLS NEEDED:

- T25 Torx
- T30 Torx
- Flat Head Screwdriver
- Ratchet
- 7mm Socket
- 10mm Socket
- Jack stands and jack or vehicle hoist



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- 1** Safely jack up your vehicle and secure it using jack stands to gain access to the underside of the front end.
- 2** Using a T25 Torx, remove the two (2) screws holding the front grill in place. (See Fig. A)
- 3** Remove the grill by pulling it towards the front of the vehicle, releasing the bottom clips.
- 4** Using a T30 Torx, remove the three (3) torx screws holding the bumper to the radiator support. (See Fig. B & C)
- 5** Using a T25 Torx, remove the four (4) screws holding the fender lining on both sides. (See Fig D, E, F & G)
- 6** Using a T25 Torx, remove the eight (8) screws holding the belly pan. (See Fig. H & I)
- 7** Remove the belly pan. (See Fig. J)
- 8** Unclip the edges of the bumper.



FIG. A



FIG. B



FIG. C



FIG. D



FIG. E

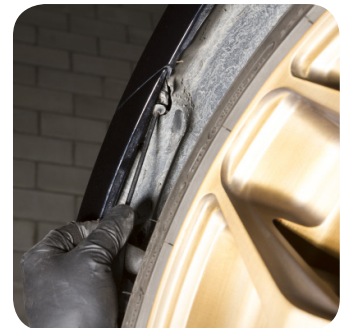


FIG. F



FIG. G

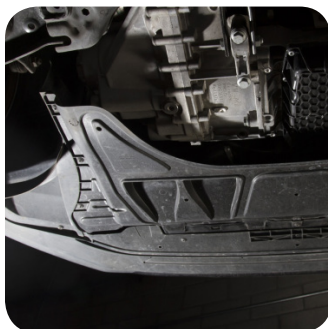


FIG. H



FIG. I



FIG. J



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- 9** Remove the bumper slowly, it is best to be helped by a friend.
- 10** If equipped with a fog light, unplug the connectors on each side before completely removing the bumper.
- 11** From underneath the vehicle, remove the driver side intercooler outlet hose using either a flathead screwdriver or a 7mm socket wrench to loosen both clamps. (See Fig. K)
- 12** Using a flathead screwdriver or 7mm socket, loosen the both clamps for the inlet hose on the passenger side of the vehicle. (See Fig. L)
- 13** Remove the inlet hose and outlet hose from underneath.
- 14** Using a 10mm socket, remove the two (2) center nuts holding the impact beam onto the upper rad support. (See Fig. M)
- 15** Unclip the Ambient Temperature sensor from the impact beam and the wire loom from the radiator support. (See Fig. N)
- 16** Using a T30 Torx, remove two (2) bolts on each side holding the impact beam onto the radiator support. (See Fig. O)
- 17** Using a 16mm Socket, remove the eight (8) bolts holding the impact beam onto the chassis. (See Fig. P)
- 18** Unplug the horns on each side. (See Fig. Q & R)



FIG. K



FIG. L



FIG. M



FIG. N



FIG. O



FIG. P



FIG. Q



FIG. R



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- 19** Remove the Impact Beam. (See Fig. S)
- 20** Using a small flathead screwdriver, remove the two (2) air guides on each side by unclipping the three (3) clips. (See Fig. T & U)
- 21** Remove the two (2) brackets holding the intercooler/radiator and condenser stack to the rad support using a flathead screwdriver. (See Fig. V & W)
- 22** Unclip the hood cable holder from the radiator support.
- 23** Remove the plastic cover from the junction box of the hood latch.
- 24** Remove the cable from the junction. (See Fig. X)
- 25** Unclip the windshield washer filler neck from the radiator support.
- 26** Unplug the connector for both headlights. (See Fig. Y)
- 27** Unplug the airbag sensor by pulling the red tab and pressing down to release it. (See Fig. Z)



FIG. S



FIG. T



FIG. U



FIG. V



FIG. W



FIG. X



FIG. Y



FIG. Z



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- 28** Unplug the radiator temperature sensor.
- 29** Unplug the hood latch sensor. (See Fig AA)
- 30** Using a T30 Torx, remove the two (2) bolts holding the radiator support to the chassis. (See Fig. BB)
- 31** Using a T30 Torx or 10mm Socket, remove the bolt located behind each headlight. (See Fig. CC)
- 32** Slowly spread the front end apart from the intercooler. (See Fig. DD)
- 33** Remove the intercooler brackets on each side.
- 34** Unclip the radiator from the intercooler by pressing on the upper tabs. (See Fig. EE & FF)
- 35** Gently spread the intercooler from the radiator.
- 36** Press on the upper tab to release condenser from the intercooler and slide it up freeing the intercooler. (See Fig. GG)
- 37** Pull the Intercooler up slowly and rotate it out.
- 38** It is recommended to have someone hold the radiator while you install the intercooler. Slide the outlet tank first, all the way under the radiator.
- 39** Slowly rotate the intercooler back into position.



FIG. AA



FIG. BB



FIG. CC



FIG. DD



FIG. EE

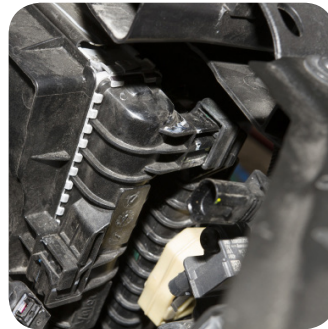


FIG. FF



FIG. GG



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- 40** Align the intercooler and radiator. Make sure the lower two (2) tabs match the intercooler and afterwards, clip the upper radiator into the intercooler. (See Fig. HH & II)
- 41** Make sure the two (2) bottoms tabs of the intercooler are mounted into the positioning grommet onto the radiator.
- 42** Reinstall the intercooler mounting brackets on each side.
- 43** Slowly bring back the radiator support into the intercooler.
- 44** Reinstall the bolts holding the radiator support onto the chassis and the bolts behind the headlights. (See Fig. BB & CC)
- 45** Reinstall the intercooler by mounting the clips into the radiator support.
- 46** Reinstall the condenser onto the intercooler and secure it in place using the supplied set screws.
- 47** Plug both headlight connectors, both Airbag sensors and the latch sensor. (See Fig. Y, Z & AA)
- 48** Reinstall the hood latch cable and mount the junction on the radiator support. (See Fig. X)



FIG. HH



FIG. II



FIG. BB



FIG. CC

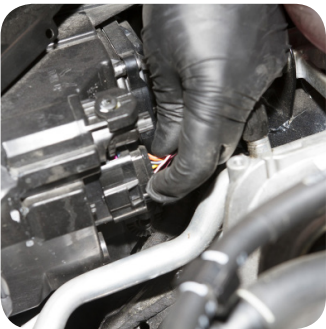


FIG. Y



FIG. Z



FIG. AA



FIG. X



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- 49** Reinstall both air guides. (See Fig. T & U)
- 50** Reinstall the four (4) bolts holding the impact beam onto the radiator support. (See Fig O)
- 51** Reinstall the two (2) nuts and washers holding the impact beam and the upper rad support bracket. (Figure JJ)
- 52** Align the impact beam with the chassis and reinstall the eight (8) 16mm bolts holding it. (See Fig. P)
- 53** Reinstall the ambient temperature sensor. (Fig. KK)
- 54** Plug both horns. (See Fig. Q & R)
- 55** Reinstall the intercooler inlet hose and properly secure both clamps using a 7mm socket or a flathead screwdriver. (See Fig. K)
- 56** Install the intercooler outlet hose between the intercooler and the throttle body pipe. (See Fig. L)



FIG. T



FIG. U



FIG. O



FIG. JJ

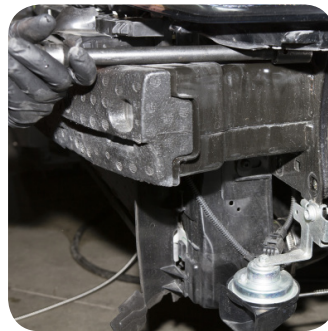


FIG. P



FIG. KK



FIG. Q



FIG. R



FIG. K



FIG. L



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- 57** Properly secure both clamps using 7mm socket or a flathead screwdriver.
- 58** Connect both fog lights.
- 59** Slowly reinstall the bumper making sure to clip it on both edges.
- 60** Reinstall the bolts holding the bumper to the fender on each side. (See Fig F)
- 61** Reinstall the three (3) bolts holding the cover to the radiator support. (See Fig. B & C)
- 62** Reinstall the four (4) screws holding the fender lining to the bumper on each side. (See Fig. D, E, F & G)
- 63** Reinstall the eight (8) screws holding the lower portion of the bumper to the radiator support and the belly pan. (See Fig. J, H & I)

CONGRATULATIONS! You have successfully installed Unitronic's Intercooler Upgrade Kit!



FIG. F



FIG. B



FIG. C



FIG. D



FIG. E

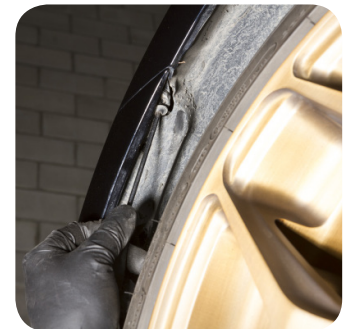


FIG. F



FIG. G



FIG. J

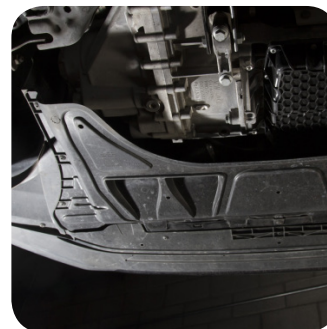


FIG. H



FIG. I