



INSTALLATION INSTRUCTIONS

Unitronic Intercooler Upgrade Kit for B9 S4® & S5® UH017-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
UH017-IC3	Intercooler	1
UH009-IC0	Brackets	2
UH011-IC0	Intercooler Hardware Kit	1

RECOMMENDED TOOLS NEEDED:

- 1/4" and/or 3/8" Ratchet
- 7mm Socket
- 4mm Allen Socket
- T25 Torx Screwdriver or Socket
- T30 Torx Socket
- Flat Head Screwdriver



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- 1** Unpack all components of your Unitronic Intercooler System, lay them out on the table, and ensure that you have all the pieces as listed in the packing list above.
- 2** Place the vehicle securely on jack stands or on a lift, remove the front wheels and open the engine compartment.
- 3** Remove the hood latch by pushing the tab in on the top of the latch and pulling upwards on the latch to remove it. (Fig. A)
- 4** Remove the radiator shroud by pulling up on either side to unclip it from the grill, then pull it out of the support by pulling forward on the shroud. (Fig. B)
- 5** Mark the position of the four T30 screws. Then, remove the four T30 screws holding the top of the front bumper cover to the bumper support. (Fig. C)
- 6** Remove the three T25 screws from the wheel well liner next to the fender. Repeat on both front wheel wells. (Fig. D)
- 7** Fold back the wheel well liner carefully, remove the plastic pushpin clip holding the fender and bumper cover. Remove the T30 screw holding the front of the fender to the back of the bumper cover. Repeat on both front wheel wells. (Fig. E)
- 8** Remove the two T25 screws and the five T30 screws that hold the underbelly pan and the front bumper cover.



FIG. A



FIG. B



FIG. C



FIG. D



FIG. E



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- 9** Pull bumper cover away from the side of the front fenders. Repeat on both sides. (Fig. F)
- 10** Partially pull and lift the bumper cover away from the front of the car.
- 11** Disconnect the electrical connectors (ACC radar sensors, park distance sensor) and pull the wiring harness off the mounting tabs.
- 12** Fully remove bumper cover.
- 13** Loosen the hose clamp of the intercooler and pull off the hose. Repeat on both sides. (Fig. G)
- 14** Remove the plastic air guide that runs up and down by pushing in the two tabs where the air guide connects to the radiator support, pull it forward, and then gently manipulate the air guide out of the car. Repeat on both sides. (Fig. H)
- 15** Squeeze the top and bottom of the release clip holding the intercooler, pull forward the top of the intercooler to release the intercooler. Repeat on both sides. (Fig. I)
- 16** Lift the intercooler to remove from the support and remove from the car.
- 17** Remove the outside air temperature sensor (OAT) and unclip the harness from the crash beam.
- 18** Remove the two T30 screws from the radiator support. (Fig. J)



FIG. F

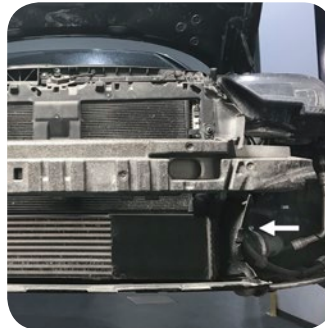


FIG. G



FIG. H



FIG. I



FIG. J



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- 19** Maneuver the Unitronic intercooler to the left, behind the crash beam and above the lower bumper support. Then, bring the right side above the right lower bumper support. Seat the lower tabs of the Unitronic intercooler in the support tabs for the stock intercooler. (Fig. K)
- 20** Install the brackets provided with the intercooler, using the T30 screws to the radiator support. Hand tight prior to alignment. (Fig. L)
- 21** Install the four M5 screws and washers provided with the intercooler to secure the top from moving. Hand tight prior to alignment. (Fig. L)
- 22** Reinstall both plastic air guides, outside air temperature sensor (OAT) and clip the harness to the crash beam.
- 23** Align intercooler then tighten the two T30 screws and the four M5 screws (Fig. L)
- 24** Reinstall the hoses to the intercooler and tight the clamps. (Fig. M)
- 25** Reconnect the electrical connectors (ACC radar sensors, park distance sensor) and reinstall wiring harness in the mounting tabs.
- 26** Reinstall bumper cover and make sure the tabs on the top of the bumper slide into the slots on the top of the bumper support.
- 27** Snap bumper cover in the side of the front fenders. Repeat on both sides.
- 28** Fold back the wheel well liner carefully and reinstall the plastic pushpin clip holding the fender and bumper cover. Reinstall the T30 screw holding the front of the fender to the back of the bumper cover. Repeat on both front wheel wells.
- 29** Reinstall the three T25 screws of the wheel well liner next to the fender. Repeat on both front wheel wells.
- 30** Reinstall the two T25 screws and the five T30 screws that hold the underbelly pan and the front bumper cover.

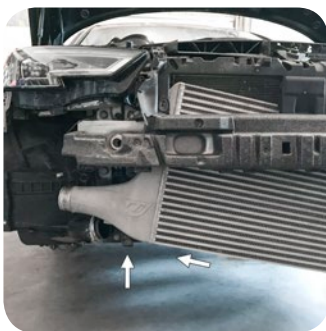


FIG. K



FIG. L



FIG. M



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- 31** Reinstall the radiator shroud by sliding it into the support. Carefully align all the tabs and push down, it should clip into place with very little force.
- 32** Reinstall the hood latch by aligning it in the center and pushing down, you should hear it click back into place.
- 33** Reinstall the front wheels (torque 88lb-ft or 120Nm), close the engine compartment and remove the vehicle securely from the jack stands or from lift.

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