



INSTALLATION INSTRUCTIONS

Unitronic Carbon Fiber Intake and Inlet System for Audi® B9 RS4® / RS5® UH030-INA

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
UH023-IN3	Carbone Air Duct for B9 A4®/A5®/S4®/S5®/RS4®/RS5®	1
UH029-IN1	Carbon Intake/Transition Tube for B9 2.9TFSI®	1
UH034-IN3	Carbon Fiber Airbox, B9 A4/A5/S4/S5/RS4/RS5 (UH022-IN3 Rev2a)	1
UH033-IN2	B9 2.9TT EPDM Coupler Uni Intake to Uni Inlet	1
UH036-IN0	Hardware Kit for B9 Intake	1
UH015-IN5	Carbon Turbo Inlet for B9 2.9TFSI	1
UH007-IN4	6" Air Filter, Tapered Cone, 180mm	1
UH016-IN8	2.9TT Uni Inlet Adapter 48mm	2

RECOMMENDED TOOLS NEEDED:

- 16mm Deep Socket
- Ratchet
- Pick Tool
- 3mm Allen Hex Socket
- 7mm Socket
- T25 (Ball Head)
- Torx Socket
- T30 (Ball head) Torx Socket
- U-joint or Wobble Extension
- Pry Tool and Long Pick / Pry Tool
- Work Light



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- 1** Prepare tools: 16mm deep socket and ratchet, pick tool, 3mm allen hex socket, 7mm socket, T25 (ball head) torx socket, T30 (Ball head) torx socket, u-joint or wobble extension, pry tool and long pick/pry tool, work light. (See Fig. 1)
- 2** Begin by removing the engine cover by lightly lifting the 4 corners of the cover. (See Fig. 2)
- 3** With a Thin pry tool lift the top half of the plastic clips holding the front cowl on the bumper. Once the clips are lifter remove them. (See Fig. 3)
- 4** Release the hood latch and remove it by pressing on the tab at the top of the latch (See Fig. 4)
- 5** Pry the cowl from the middle outwards carefully to avoid damaging the bumper trims. (See Fig. 5)
- 6** Remove the front cowl by sliding it back straight away from the bumper support. (See Fig. 6)
- 7** Locate the wiring harness clips and slowly pry them off the turbo inlet with a pick tool. (See Fig. 7)
- 8** With a pick tool slowly go around the edge of the PCV connector to release it from the edge of the barbed port on the inlet. (See Fig. 8)

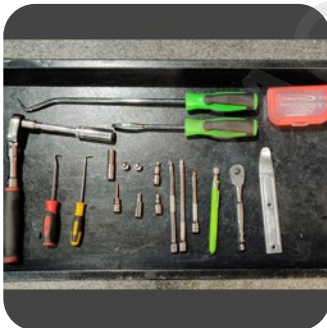


FIG. 1



FIG. 2



FIG. 3



FIG. 4



FIG. 5



FIG. 6



FIG. 7

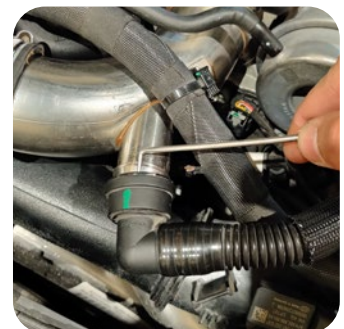


FIG. 8

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- 9** Locate the Air temperature sensor in between the turbo inlet and the oil filter housing and with a pick lift the plastic tab (green, red). After the tab is pulled out you can compress the tab by hand to release the connector. (See Fig. 9)
- 10** Using a 16mm deep socket and ratchet unscrew and remove the air temperature sensor. (See Fig. 10)
- 11** Using a ratchet and 7mm socket loosen the clamp on the intake flex hose. (See Fig. 11)
- 12** To reach the lower turbo inlet bolt you need a ¼" ratchet an extension that works for the distance available and a u joint or wobble socket attachment and a T30 socket. First insert the extension, then the socket on the end and finally attach the ratchet. Be careful not to strip the bolt. (See Fig. 12A and 12B)
- 13** The top bolts have easy access and can be removed with the T30 socket. (See Fig. 13)
- 14** Locate the diverter port under the OEM inlet and use a long pick tool to release the side clips to allow it to be removed from the inlet. (See Fig. 14A and 14B)
- 15** After removing the turbo inlet, proceed to remove the front intake duct by loosening the 2 TORX 25 screws from the front. (See Fig. 15)

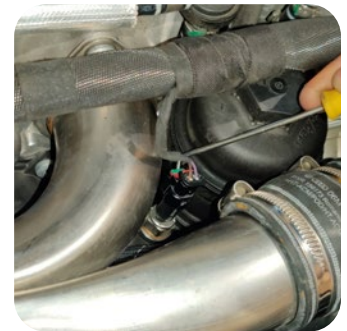


FIG. 9



FIG. 10



FIG. 11



FIG. 12A



FIG. 12B



FIG. 13



FIG. 14A

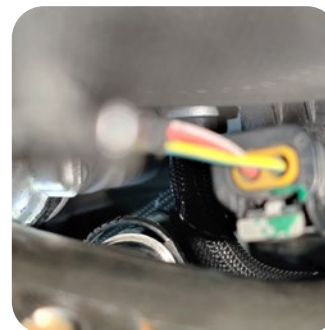


FIG. 14B



FIG. 15



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- 16** Tilt the duct backwards and upwards before removing it from the intake assembly. (See Fig. 16A and 16B)
- 17** Pull the OEM airbox out by slowly pulling straight upwards making sure to release the 3 rubber grommets: one on the left top side and two on the bottom middle of the box. (See Fig. 17)
- 18** Transfer the rubber grommets to the Unitronic carbon intake box as shown: (See Fig. 18)
- 19** Reinstall the Unitronic Intake system in the reverse order of removal. First push the carbon intake box back into the grommet slots, then realight the front duct in the airbox and swing down to attach to the front mounting point. (See Fig. 19)
- 20** Install the front duct with the provided cap head screws and a 3mm allen hex bit. (See Fig. 20)
- 21** Preapre the Unitronic carbon fiber turbo inlet by inserting the corresponding adapter rings to the turbo application (wether OEM turbo or upgraded turbo use the appropriate adapter inserts). Then install the OEM face gasket and insert the bolts into the mounting holes. The OEM gasket should keep them in place. (See Fig. 21)
- 22** Using a long pick tool reclip the bottom plastic hose connection clip before bolting the inlet back on the turbos. (See Fig. 22)



FIG. 16A

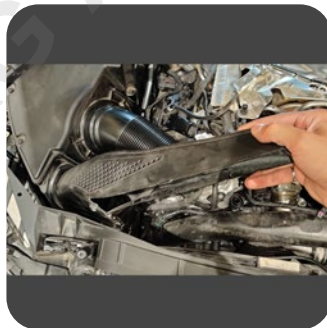


FIG. 16B



FIG. 17

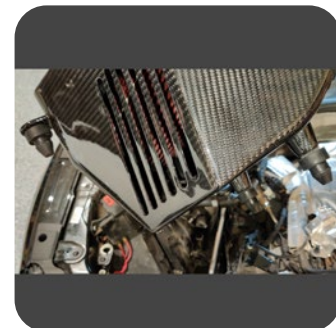


FIG. 18

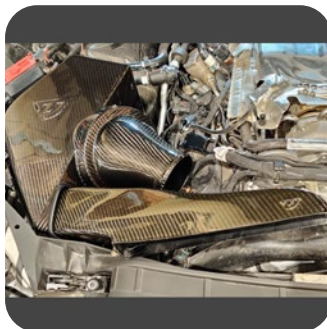


FIG. 19



FIG. 20

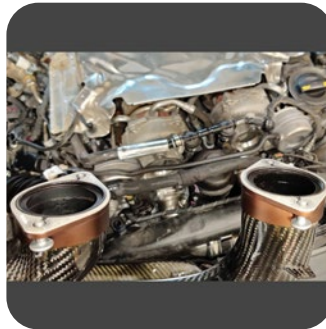


FIG. 21

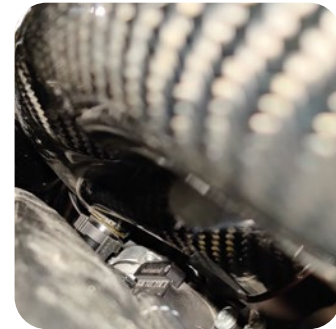


FIG. 22



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- 23** Reinstall the bottom screws using the same method as for uninstalling the OEM inlet. First pass the extension through then attach the wobble head, T30 torx socket and finally the ratchet on the front. Be careful to tighten the bolts without stripping them. These bolts call for 5-10 Nm but it might be hard to get a torque wrench in the limited space. (See Fig. 23A and 23B)
- 24** Reinstall the top bolts with the same T30 torx socket and ratchet. (See Fig. 24)
- 25** Reinstall the intake temperature sensor with the 16mm deep socket and tighten to 10 Nm. Reconnect the wiring and push down the locking tab on the connector. (See Fig. 25)
- 26** Reconnect the PCV port tube and clip the wiring harness clips onto the carbon inlet. (See Fig. 26)
- 27** Reinstall the cowl piece with the 6 plastic clips. Reinstall the hood latch handle. (See Fig. 27)
- 28** Reinstall the engine cover by aligning the rubber grommets on all 4 corners and lightly pushing down to clip them. (See Fig. 28)

CONGRATULATIONS! You have successfully installed Unitronic's Carbon Fiber Intake System!

PIÈCES D'ORIGINE ET PERFORMANCE

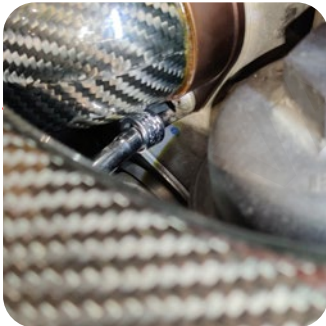


FIG. 23A



FIG. 23B



FIG. 24



FIG. 25



FIG. 26



FIG. 27



FIG. 28