

NEUSPEED® FRONT MOUNT INTERCOOLER

Fits 2006-10 VW GTI MKV & Jetta V 2.0T FSI

For vehicles equipped with the NEUSPEED CAI Extension kit, you must order CAI conversion kit part number 65.10.98 to facilitate installation of the FMIC. Otherwise you must run intake in the standard P-Flo configuration.

PARTS LIST:

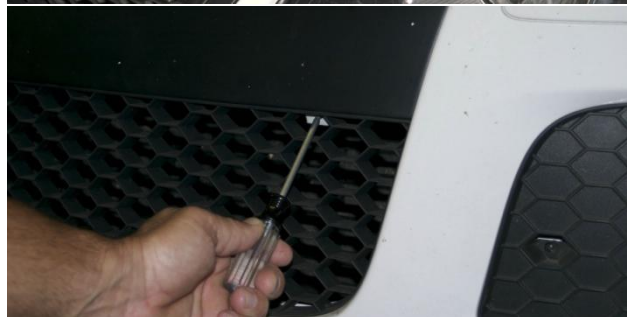
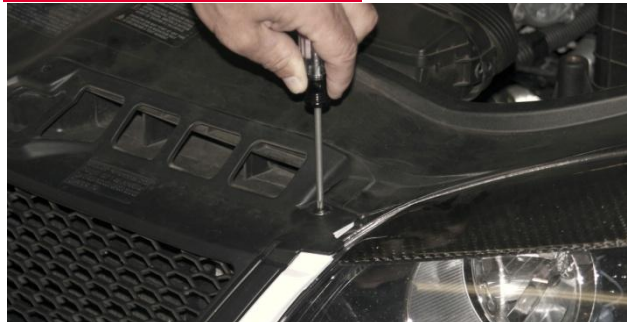
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|-------------------------------|---|--------------------------------|-----------------------------|
| 1 - INTERCOOLER | 1 - "U" PIPE | 1 - STRAIGHT PIPE | 4 - CABLE TIES |
| 1 - HORN BRACKET | 2 - INTERCOOLER MOUNTS w/ISOLATORS | 1 - 45° SILICONE HOSE | 4 - M6 SERRATED FLANGE NUTS |
| 1 - SILICONE INTERCOOLER HOSE | 1 - BILLET DISCHARGE PIPE TO HOSE ADAPTER | 1 - 6¼" STRAIGHT SILICONE HOSE | 4 - #10 SHEET METAL SCREWS |
| 1 - SILICONE REDUCER HOSE | 7 - CONSTANT TENSION HOSE CLAMPS | 2 - BLACK CAPS | 4 - LOCK WASHERS |

TOOLS REQUIRED:

- | | |
|-------------------------|---------------------------|
| 1 - T20 TORX | 1 - T30 TORX |
| 1 - PHILIPS SCREWDRIVER | 1 - FLAT HEAD SCREWDRIVER |
| 1 - WRATCHET | 1 - 10mm SOCKET |
| 1 - 13MM WRENCH | 1 - 7mm NUT DRIVER |

1. Park car on a flat, level surface capable of supporting the vehicle's weight on a jack and jack stands. Using the manufacturer's recommended lifting point(s), raise front of vehicle and support with jack stands. **NEVER WORK ON A VEHICLE SUPPORTED ONLY WITH A JACK!**

FRONT BUMPER COVER REMOVAL:



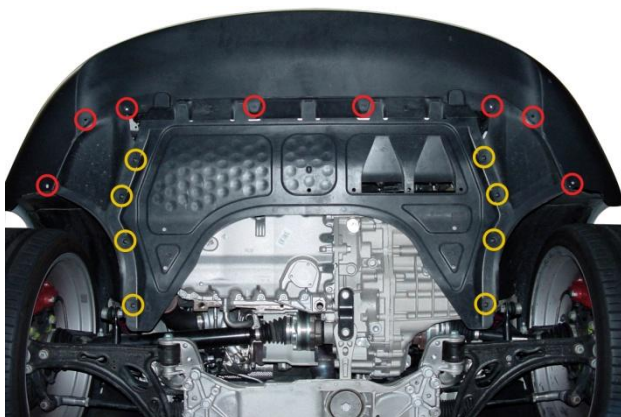
2. Open the engine hood and remove the (2) T20 Torx from the upper edge of the front grill, then remove the (2) lower T20 Torx just below the license plate.



3. The top of the front grill can now be tilted outwards and lifted upwards off of the vehicle.



4. Remove the (2) T30 Torx screws from the top edge of the front bumper. Remove the (5) T20 Torx screws from each front leading edge wheel arch lining.



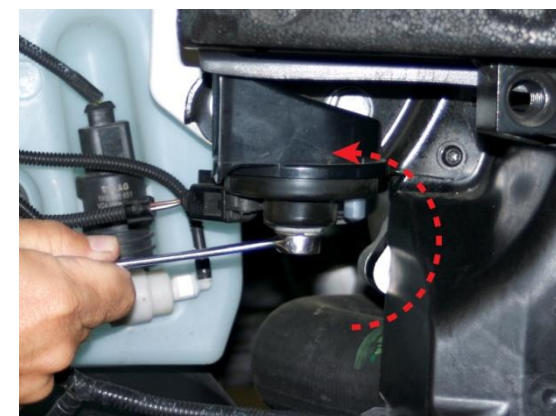
5. Remove the (8) T20 Torx screws from the bottom edge of front bumper (marked in red) and (8) T20 Torx screws from front lower engine splash pan (marked in yellow).



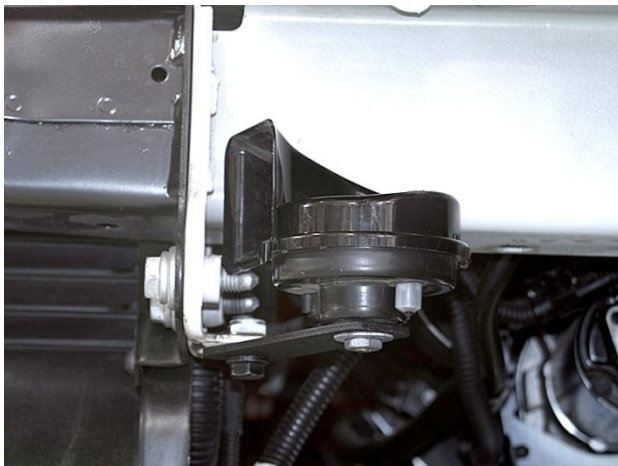
6. Before pulling front bumper completely off, disconnect both fog light connections and both side marker lamp sockets.



7. If equipped, disconnect headlight washer hose connection on the passenger's side by removing the "C" clip. **NOTE:** Cap or plug washer hose (red cap shown) to prevent fluid loss from reservoir. Remove bumper cover.
8. Remove the (2) radiator air deflectors by removing (1) Philips screw on each duct. Unclip the outside air temperature sensor from left deflector before removing.



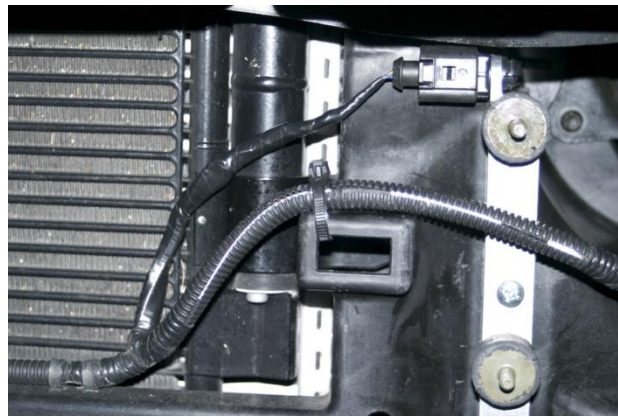
9. Using a 13mm wrench, unbolt right-side horn from its bracket and remount to the top-side, as pictured.



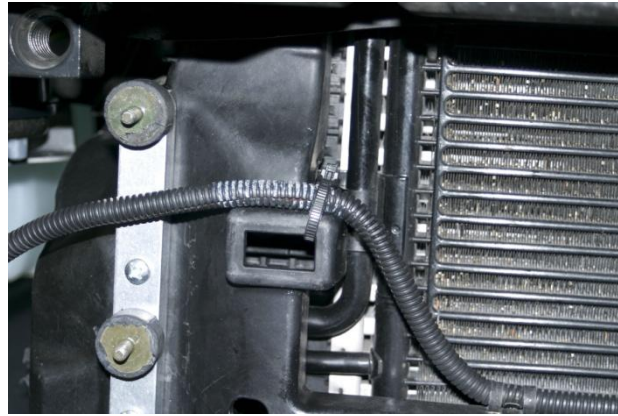
10. Using a 13mm wrench, unbolt left-side horn from its bracket. Remove OE bracket and using supplied bracket, remount to vehicle as pictured.



11. Using supplied #10 sheet metal screws and lock washers, attach intercooler mounts to existing holes in radiator core. Mount with sensor hole provision on top, mounts to driver's side of vehicle.



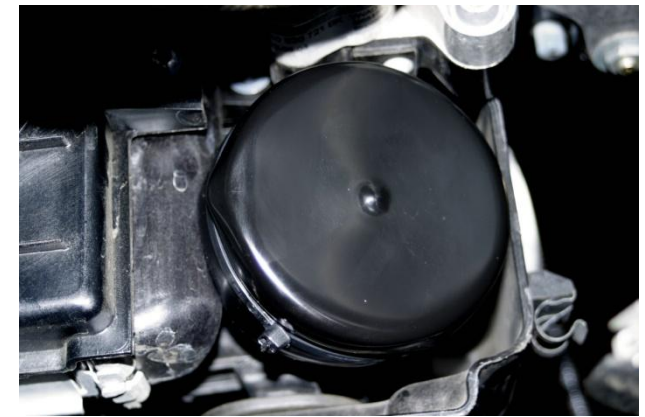
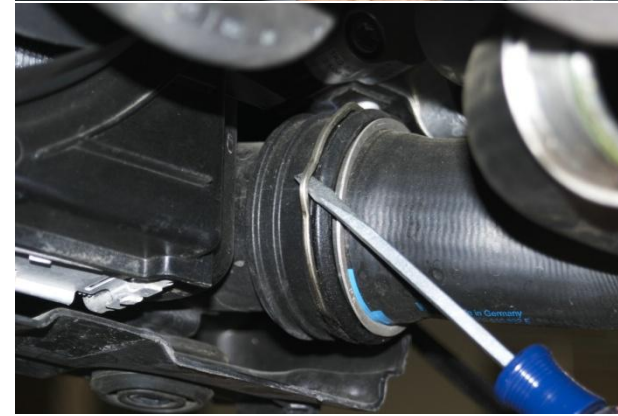
12. Install outside temperature sensor onto driver's side mount and remove wire harness and retaining clips from sides of radiator core. Using supplied cable ties, tie the harness to radiator core as pictured.



13. Mount intercooler core to vehicle using the supplied (4) 10mm hex flange nuts.



14. Remove passenger's side intercooler hose. Using screwdriver, carefully pry out locking spring clip to release hose connections on both ends. Pull out hose.



15. Using supplied cable tie, install black cap on inlet side of original intercooler.



16. Carefully remove seal from original hose and install on NEUSPEED billet hose coupling.





17. Install *NEUSPEED* billet hose coupling into OE aluminum pipe. Make sure clip locks into place.



18. Assemble and install intercooler inlet pipe and hose section as pictured with supplied clamps. **NOTE:** *NEUSPEED* print on 45° hose goes toward billet coupling. Adjust hose connections as necessary for clearance. Tighten all hose clamps with 7mm nut driver.



19. Remove the driver's side intercooler hose. Using a screwdriver, pry out locking spring clip to release hose at the intercooler and undo clamp at pressure pipe.



20. Using supplied cable tie, install black cap on outlet side of original intercooler.



21. Assemble and install intercooler outlet pipe and hoses as pictured with supplied clamps using silicone hose reducer, custom aluminum pipe and 6" silicone hose. **NOTE:** Adjust pipe as necessary for fog light clearance. Tighten all hose clamps with 7mm nut driver.

22. Double-check tightness of all connections and make sure there is adequate clearance for all components. Re-install bumper in reverse of disassembly.