FRONT MOUNT INTERCOOLER – PART #48.10.45
fits: 2015-UP VW MK7/7.5 Golf R 2.0 TSI (DOES NOT FIT MK7 VEHICLES WITH FORWARD COLLISION WARNING IN LOWER GRILL)

PARTS LIST:
1 – INTERCOOLER
2 – HORNS BRACKET
2 – SILICONE INTERCOOLER HOSE
1 – #263 "T" BOLT HOSE CLAMP
3 - #275 "T" BOLT HOSE CLAMP
2 – NUTSERTS w/ TOOL
2 – INTERCOOLER MOUNTS
2 – CABLE TIES
2 – BLACK VINYL CAPS
1 – TEMP SENSOR BRACKET
2 – M6 X 16MM SOCKET BOLT
4 – M6 SERRATED FLANGE NUTS
4 – RUBBER ISOLATORS
1 – SMALL VINYL CAP
1 – M6X10MM BUTTON HEAD BOLT

TOOLS REQUIRED:
1 – T25 TORX
1 – 9/16" WRENCH
1 – RATCHET
1 – 13MM SOCKET
1 – 11MM SOCKET
1 – 5MM HEX KEY WRENCH
1 – FLAT HEAD SCREWDRIVER
1 – 10mm SOCKET
1 – 7mm NUT DRIVER
1 – ⅜" DRILL BIT
1 – ¼" DRILL BIT
1 – 15/64" DRILL BIT
1 – 1/8" DRILL BIT
1 – 13MM SOCKET
1 – 7mm NUT DRIVER
1 – 5/8" DRILL BIT
1 – ½" DRILL BIT
1 – 4MM HEX KEY WRENCH

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!

2. FRONT BUMPER REMOVAL: Open the engine hood and remove the (2) T25 Torx from the upper edge of the front grill, pull top of grill forward to un-clip. MK7: pull up grill to remove from bumper cap. MK7.5: pull lower part of grill straight forward, and then disconnect “Front Assist” sensor electrical connector.

3. Remove the (7) T25 Torx screws from the bottom edge of front bumper (marked in red) and (8) T25 Torx screws from front lower engine splash pan (marked in yellow).

4. Remove the (4) T25 Torx screws from the front leading edge of wheel arch lining on both sides. Vehicles With Headlight Washers: On passenger side the (2) T25 Torx inside fender well holding lower half of fender liner, unclip washer bottle tubing, then remove liner.

5. Vehicles With Headlight Washers: Washer Bottle: Squeeze blue locking tabs on both sides of fitting and then disconnect washer tank line. Using supplied vinyl cap quickly cap off pump to prevent fluid loss.

6. Carefully pull-out bumper cap from side of front fender. NOTE: If pull-out resistance too high to unclip then loosen the (2) 13mm hex nuts on backside.

7. MK7: Lift up locking tab just inside of headlight when pulling off bumper cap.

8. MK7.5: Using screwdriver push down on locking tabs along top edge of bumper cap to remove.
9. **Vehicles With Parking Sensors**: Before pulling front bumper completely off, disconnect electrical connection on driver side, access from above.

10. Using 7mm nutdriver loosen hose clamps and remove left side factory intercooler hose.

11. Using 7mm nutdriver loosen hose clamps and remove right side factory intercooler hose.

12. Using supplied vinyl black caps and cable ties, install on inlet and outlet side of original intercooler.

13. Unclip and remove the left and right side radiator air deflectors.

14. Remove plastic outside air temp mount from steel bumper then remove sensor from plastic mount.

15. Bend metal temp sensor bracket backwards up horizontally.

16. Using a 10mm wrench, unbolt right side horn from its mount and pull out wire harness support tab.

17. Remove OE horn bracket using M10 Triple Square (bracket will not be re-used). Repeat horn removal for left side.

18. Attach right side billet aluminum mount into existing square holes in radiator core support, then pull down to lock in place (Make sure bracket is fully seated). While pulling mount down through hole in mounting bracket drill through plastic core using 15/64” drill.


20. Remove mount and drill hole out to 25/64”.
21. Install Nutsert using supplied setting tool (see separate tool instructions).

22. Hold body from turning with 9/16" mm wrench then push firmly while turn setting bolt with 10mm socket until Nutsert crimps in hole. Remove tool.

23. Right side mounting: Install aluminum bracket to plastic radiator core and tighten with supplied M6x16mm bolt. Repeat mounting for left side.

24. Install and tighten rubber isolators into lower set of threaded holes for Golf R.

25. Due to production variation of upper A/C line carefully push line rearwards if necessary so line is in the middle of plastic core and billet bracket as pictured.

26. Both mounts shown installed.

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

28. Cut off wire loom support on driver side lower radiator core support.

29. Install and tighten supplied left side intercooler hose, (1) #275 "T" bolt clamp install at Intercooler and the (1) #275 "T" bolt clamp install at Discharge Pipe. NOTE: Do not over tighten "T" Bolt Clamps, just until firm or snug.

30. Position "T" bolt to bottom back side of intercooler and tighten.

31. Install and tighten supplied right side silicone intercooler hose, (1) #275 "T" bolt clamp installs at Intercooler and (1) #263 "T" bolt clamp at Air Charge Pipe.
32. Position ‘T’ bolt to bottom back side of intercooler and tighten. **NOTE:** Make sure ample clearance between A/C lines and Clamp.

33. Mount right side horn as shown using original bolt and nut. **NOTE:** Do not let horn rest against frame rail, bend bracket if necessary.

34. Mount left side horn as shown using original bolt and nut. **NOTE:** Do not let horn rest against frame rail, bend bracket if necessary.

35. Install supplied air temp sensor bracket and M6x10mm button head bolt to upper hole in billet mounting bracket, then mount sensor.

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