



APIKOL B5 A4 SIDE MOUNTED INTERCOOLER INSTALLATION INSTRUCTIONS

Only work underneath your vehicle after properly supporting it with adequate jack stands on a flat surface. **NEVER work under a vehicle only supported with a jack.**

Estimated Installation Time: Approximately 2-3 hours

- 1) Safely support the front of your vehicle on jack stands.
- 2) Remove the lower engine cover (belly pan)
- 3) Remove the front bumper:
 - Remove the screws in the wheel well that attach the fender liner to the bumper cover with a T25 Torx. (See Fig. 1)
 - Remove the lower bumper grills. This will expose the 6mm Allen-head bolts that will come out downward (toward the ground). Remove these 2 bolts (See Fig. 2)
 - With a helper, slowly slide the bumper off of the 2 supporting mounts; be prepared to unhook connectors for the fog lights (if applicable). You will also need to pinch off the headlight washer hose on the vehicle side of the quick connect (visible on the driver side of the car with the bumper pulled out). Once the hose is pinched off, disconnect the hose. (See Fig. 3)



Figure 1



Figure 2



Figure 3

- 4) Remove the driver side headlight by removing the two upper and one lower mounting bolt(s) with a T27 Torx and set it aside (See Fig. 4)
- 5) Put the front radiator support in the "service" position by removing the six upper/side mounting bolts with a T27 Torx, and the seven front bolts with T45 Torx. (See Fig. 4, 5, 6)



Figure 4

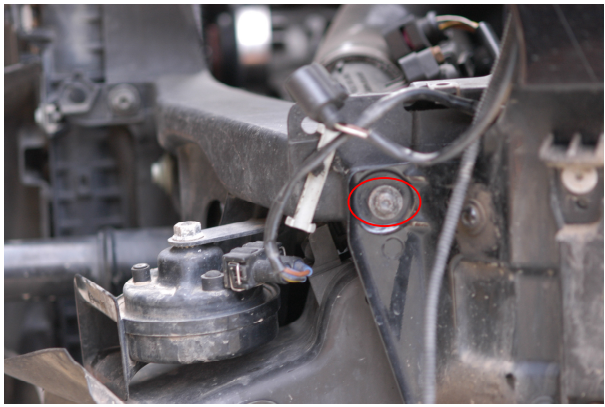


Figure 5

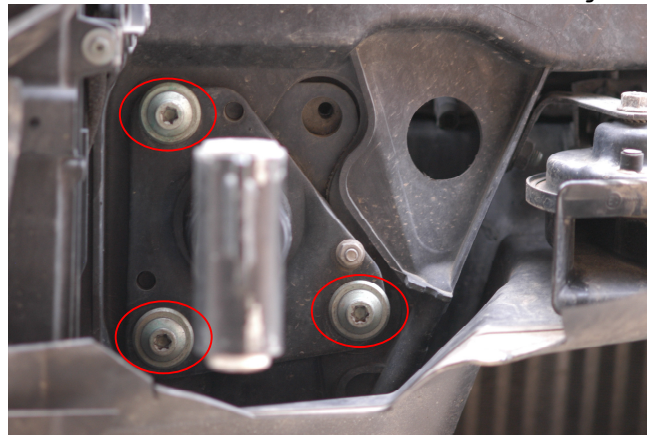


Figure 6

- 6) Disconnect the upper throttle body hose and remove the OEM intercooler, lower rubber hose, shroud, and pressure sensor connector (if ATW/AWM equipped)
- 7) On vehicles with ATW and AWM motors (1999.5-2001), it is also necessary to remove the lower fender support bracket, along with the bolt for the upper fender bracket. The lower bracket must then be clearanced to fit the Apikol SMIC (See Fig. 7, 8)

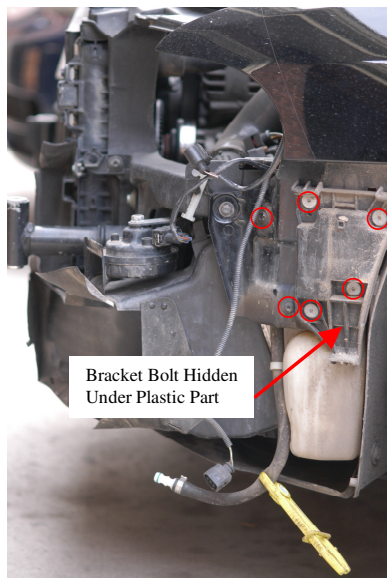


Figure 7

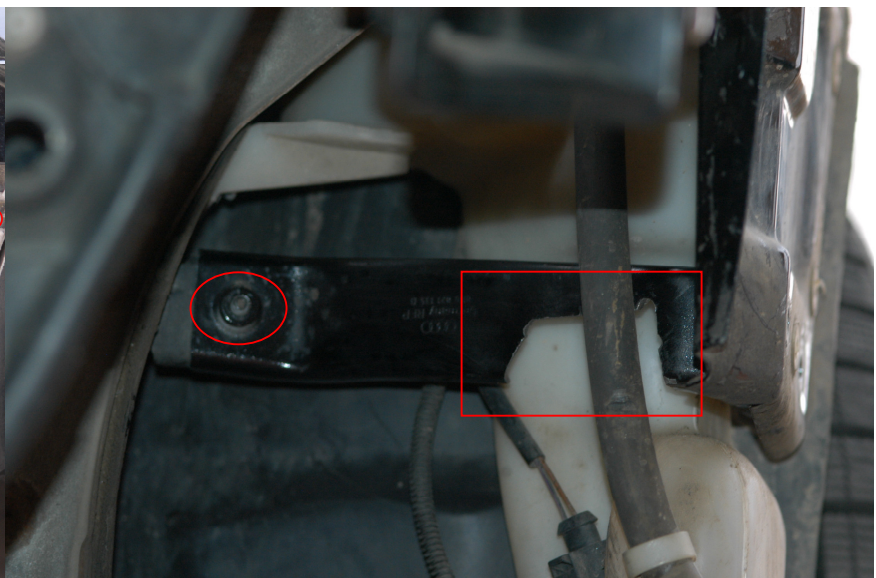


Figure 8

- 8) Trim the lower intercooler hose by approximately $\frac{3}{4}$ to 1 inch on the side that connects to the crossover pipe. A sharp utility knife or other razor works best. In order to cut in a straight line, it is helpful to tape apply tape around the hose prior to cutting for use as a guide. (See Fig 9)



Figure 9

- 9) Trim the side and bottom of the radiator support to clearance the upper end-tank of the intercooler. (Fig. 10, 11) After installing the intercooler, double-check that the radiator support does not interfere with or rub the intercooler.

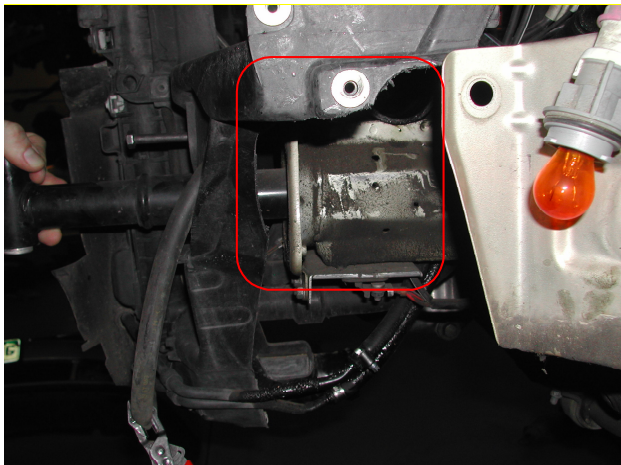


Figure 10

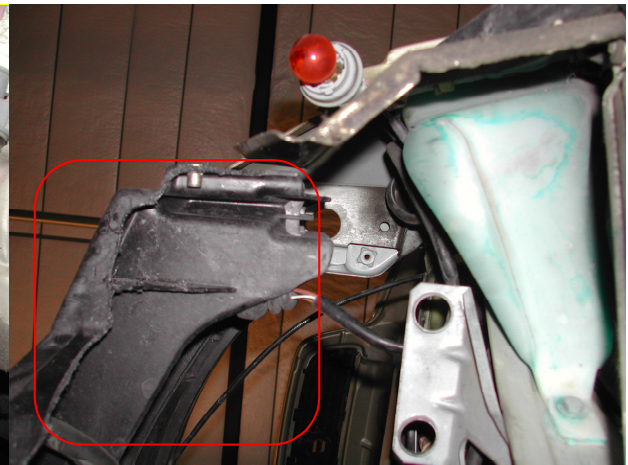


Figure 11

- 10) Place one of the two rubber isolating washers (from the upper mount on the stock intercooler) onto the lower mounting stud of the Apikol intercooler before mounting it in the car. (See Fig. 12)

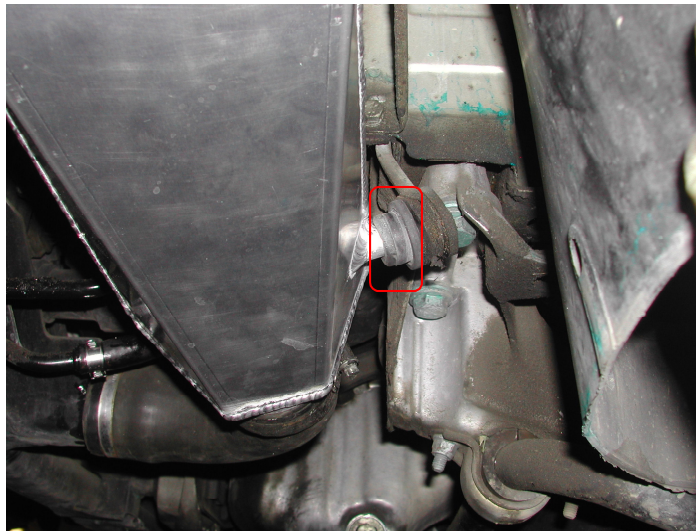


Figure 12

- 11) Mount the intercooler in the vehicle with the mounting tab positioned on the outside of the radiator support, but inside the fender. Slide upper and lower hoses into position and tighten all clamps. (See Fig. 13, 14)



Figure 13

Figure 14

- 12) Carefully slide the radiator support back toward the installed position and note any interference with the intercooler. Remove additional portions of the radiator support to completely clear any interference with the intercooler.
- 13) With the radiator support re-positioned, the intercooler bracket will bolt between the fender mounts and the radiator support using the supplied spacer(s) between the fender and radiator support before installing the supplied bolt.
- 14) Re-install the headlights, bumper and lower engine tray.

Enjoy your Apikol Side Mount Intercooler!!