

RACETEC ENGINEERING

FRONT MOUNT INTERCOOLER (off-road use only)

Fits: Audi B6 2002-2005 1.8T

Purpose: The RaceTec Front Mount Intercooler was designed to decrease intake air temps by using a highly efficient heat exchanger core. This core is made of high quality cast aluminum endtanks with a superior bar/plate construction that provide maximum air flow and cooling with minimal pressure drop. The technology of bar/plate allow for consistency and durability that is unmatched by any other core type.

Kit Includes: (1) Core with endtanks
(1) Bracket for core installation
(1) Pressure tube with by pass valve connector from turbo to intercooler
(1) Pressure tube with boost sensor mounting from intercooler to throttlebody hose
(1) 45 Degree Silicone hoses
(2) Silicone hoses
(7) T-bolt clamps

Instructions: This is a **guide** to installing the RaceTec Front Mount Intercooler. If you do not have the knowledge and or experience to handle this task it is recommended that it is installed by a professional. Misuse or improper installation is not covered and will not be covered by warranty or return.

IMPORTANT NOTE: BEFORE ANY INSTALLATION OF THE THIS PRODUCT, IT SHOULD BE NOTED THAT IT IS NECESSARY TO GET UNDER THE VEHICLE TO COMPLETE THE INSTALLATION. NEVER GET UNDER ANY VEHICLE WITHOUT THE PROPER SAFTEY SUPPORT SUCH AS A CERTIFIED MECHANICS LIFT OR JACKSTANDS. IF YOU DO NOT HAVE THE PROPER TOOLS FOR LIFTING A VEHICLE DO NOT ATTEMPT THIS INSTALL.

1) Remove the front bumper.

- 2) Remove the turbo outlet hose, stock intercooler and boost sensor. Do not loose the clamps as they will be need to complete the FMIC install.
- 3) Remove the power steering line and temp sensor.
- 4) Start by hanging just the intercooler using the mounting bracket. After hanging the core, conduct a test fit with the pipes using the silicone but do not use the clamps. At this point you will want to check the alignment of the pipes and conduct a test fit with the bumper. Adjustments can be made by rotating silicone, using the slots in the mounting bracket to center the core and changing the depth at which each pipe sits into the silicone. The 45 degree hose provided in the kit will attach directly to the turbo to the passenger side pipe. Once the intercooler and pipes are aligned, use the provided t-bolt clamps to tighten down the silicone. The piping on the passenger side should be exactly as pictured. Please note the passenger side intercooler pipe routes between the Air Conditioning line and underneath the secondary air pump. The secondary air pump bracket and be bent upwards for additional clearance if necessary.



5) Locate the by-pass-valve bung on the passenger side pipe. Depending on the type of by-pass-valve your vehicle is setup with will determine if the provided 90 degree needs to be trimmed. The by-pass-valve hose will look exactly as pictured if your vehicle is using the stock valve. See picture below.



6) Once the passenger side pipe is in place and aligned, it will look like this:



7) Install the boost sensor on the driver side pipe.



8) Double check all t-bolt clamps and intercooler alignment. Reverse install the bumper , headlamps, and belly pan.