



INSTALLATION INSTRUCTIONS

MAKE: BMW
MODEL: 335i (E90/E92/E93)
YEAR: 2011-2013
ENGINE: L6-3.0L (t) N55

Intercooler w/ Tube 46-20242-B



Parts Included:

- Intercooler Tube (x1)
- Clamps (x2)
- O-Ring (x1)
- Screws (x2)
- Intercooler (x1)
- Silicone Hose (x1)
- Plugs (x2)
- Trim Seal (x2)

Tools Needed:

- 6mm, 7mm & 8mm sockets
- T15, T20, T25 & T30 Torx Sockets
- Ratchet
- Flat head screw driver
- Grease
- Allen Wrench Set

CAUTION: Allow time for your vehicle to cool down prior to installation. When working on or under your vehicle proceed with caution. Exhaust systems reach high temperatures and may cause serious burns. Wear protective safety equipment; eye goggles and gloves to ensure a safe installation. aFe recommends professional installation on our products.

- Step 1.** Park vehicle on level ground and engage parking brake.
- Step 2.** Remove the two (x2) screws that attach the air scoop to the radiator support using a T20 Torx bit or nut driver.
- Step 3.** Unclip the rest of the scoop from the air box and remove the air scoop assembly from the vehicle.
- Step 4.** Disconnect the three (x3) rubber grommets from the back of the air box that hold the wire loom.
- Step 5.** Loosen the clamp securing the intake tube to the turbo inlet tube using a 6mm socket or nut driver.
- Step 6.** Disconnect the sensor plug from the sensor in the intake tube.
- Step 7.** Now you can remove the air box from the vehicle by pulling straight up on it. There will be three (x3) rubber mounting grommets on the bottom of the air box.
- Step 8.** Unscrew the mounting bolt on the intercooler tube to the engine, using a T30 Torx bit or driver.
- Step 9.** Loosen the clamp between the upper and lower intercooler tubes using a 7mm socket or nut driver.
- Step 10.** Unplug the sensor from the intercooler tube and remove the clip securing the tube to the throttle body using a screwdriver.
- Step 11.** Now you can remove the upper intercooler tube from the vehicle.
- Step 12.** Remove the sensor from the tube using a T15 Torx bit or driver.
- Step 13.** Install the supplied O-ring into the groove on the inside of the aluminum adapter on the aFe intercooler tube and the factory sensor from the previous step with the supplied bolts.
Note: Use a small amount of grease on the O-rings to prevent them from tearing and for ease of installation.
- Step 14.** Remove the belly pan from underneath the front of the vehicle using an 8mm socket.
- Step 15.** Disconnect the intercooler tube on the driver and passenger sides by using a screwdriver to remove the clips securing both intercooler tubes to the intercooler.
- Step 16.** Remove the two (x2) mounting screws on each side of the intercooler using a T25 Torx socket.
- Step 17.** You can now remove the intercooler from the vehicle by unhooking it from the plastic mounts and pulling it down.
- Step 18.** Remove the lower half of the driver side intercooler tube from the bottom.
- Step 19.** Install the supplied trim seal onto the fan shroud where it will meet the intercooler.
- Step 20.** Install the aFe intercooler the same way the factory intercooler was using the factory T25 Torx screws and tighten.
- Step 21.** Reconnect the factory hot side intercooler hose to the aFe intercooler and install the factory retaining clip.
Note: Use a small amount of grease on the factory seal and O-ring to prevent it from tearing and for ease of installation.
- Step 22.** Install the plugs supplied into the auxiliary sensor ports on the aFe intercooler, using an Allen wrench.
Note: Seal the threads using teflon tape or some type of thread sealant.
- Step 23.** Install aFe silicone hose with the one (x1) clamp from the top and connect it to the intercooler outlet on the driver side.
- Step 24.** Install the aFe intercooler tube into the vehicle with the one (x1) clamp, reconnect the sensor, do not tighten clamps at this time.
- Step 25.** Ensure the tube is not touching any metal surfaces then tighten the clamps from **Steps 23 & 24** with an 8mm socket or nut driver.
- Step 26.** Reinstall belly pan from **Step 14**.
- Step 27.** Reinstall air box from **Step 7** and tighten clamp using a 6mm socket or nut driver.
- Step 28.** Reconnect intake sensor and the rubber grommets on the back of the air box from **Steps 4 & 6**.
- Step 29.** Reinstall factory air scoop from **Step 2**.

Installation is now complete. Enjoy and thank you for choosing aFe Power!