



Installation Instruction

Performance Intake



BMW Z4, 240i, 340i G-Chassis / Toyota GR Supra A90

B58

PART NUMBER : LF-230 / LF-240



Description

This instruction shows how to replace the OEM intake with do88 performance intake.

At this type of installation, we always recommend that you have mechanical experience and knowledge about safety during work on vehicles.

Parts List

- 1pc do88 Performance Carbon fiber air filter housing
- 1pc do88 Performance Carbon fiber pipe
- 1pc do88 Performance Heat shield
- 1pc do88 Performance Filter
- 1pc do88 Performance Bracket
- 1pc do88 Performance Silicone hose
- 1pc do88 Performance rubber grommet
- 1pc do88 Performance Air channel
- 2pc M4x10 Screws
- 5pc M5x12 Screws
- 4pc Hose clamps
- 1pc Evap joiner
- 4pc 4,2x9,5 Philips metal screws
- 4pc 4,2 x 12 x 9,5 Screw clips
- 1pc Turbo inlet joiner (optional)
- 3pc M6x20 Hex socket screw (optional)
- 3pc M6 spring washer (optional)



Note!

- The filter is delivered without any filter oil applied therefore we recommend that the air filter is applied with cotton filter oil to increase air filtration if you drive your car in any dusty environments. Do not apply too much filter oil, read the filter oil instructions. Apply air filter oil evenly along the crown of each pleat. Allow the oil to wick for about 20 minutes, and then add some more in any light areas on either side of filter until there is a uniform color in all areas. You can for example use BMC Filter oil with part number "WAFLU250".
- We recommend cleaning the air filter every 10.000 km, please use universal cleaning product designed for cotton air filters. You can for example use BMC Washing fluid with part number "WADET500".



Step 1

Remove the engine cover.



Step 2

Disconnect the air mass meter electrical connection, loosen the hose clamp that holds inlet hose to air box and separate the hose from the air box. Then remove the air box by pulling upwards.



Step 3

Disconnect the EVAP hose from the left side of the inlet pipe and the cable clip from the bottom right. Then you can rotate the inlet pipe and remove the clip holding it in place. Remove the inlet pipe from the turbo inlet adapter.



Step 4

Loosely secure the bracket to the do88 Performance filter housing using two screws.



Step 5

Mount the heatshield on top of the bracket and secure with 3 screws. Now tighten all 5 screws holding the bracket and heatshield to the filter housing.



Step 6

Install the screw clips so they line-up with the holes in the filter housing.



Step 7

Position the plastic air duct and enter one of the included Phillips screws at a time just about 0,5-1 turn into the screw clips.

When all 4 screws are entered, tighten the screws so that the air-duct sits to the filter housing.



Step 8

Transfer the intake temperature sensor and fasten it with included M4 screws and install the rubber grommet to the pipe according to the picture.



Step 9

Install the do88 Performance filter and secure it with the included hose clamp, maximum fastening torque 5Nm, do NOT overtighten the hose clamp as it will damage the carbon fiber pipe.



Step 10

Install the pipe and filter assembly into the filter housing and seat the rubber grommet to the filter housing so that the edge of the filter housing is in the small groove.

If you are installing the air intake system with the do88 turbo inlet, also perform step 11 – 14, otherwise go to step 15.



Step 11

Perform this step, only when installing with do88 turbo inlet.

Loosen the 3 x T30 screws that holds the turbo inlet to the turbocharger.



Step 12

Perform this step, only when installing with do88 turbo inlet.

Pull and twist it out. Then disconnect the breather connection(s) from the turbo inlet and disconnect the electrical connector.



Step 13

Perform this step, only when installing with do88 turbo inlet.

As the PCV heater element will not be used together with the do88 turbo inlet, secure the electrical harness and connector under the heat blanket.



Step 14

Perform this step, only when installing with do88 turbo inlet.

Transfer the OEM O-ring to the turbo inlet and install with included screws.

Because of the removal of the PCV heater element the engine management may set a fault code but should according to our knowledge not set a CEL. To avoid this, the PCV heater function must be disabled in the ECU.



Step 15

Mount the included evap adapter to the turbo inlet hose end secure with included hose clamp. Connect the evap to the adapter.

Seat the silicone hose to the turbo inlet and make sure it seats into the grooves fully.



Step 16

This is shown on loose parts here for better visibility.

Place the hose clamp close to the edge of the silicone hose and tighten just enough for the hose clamp to sit in that position. The rotation of the hose against the intake pipe must be set before tightening this clamp.



Step 17

Install the filter housing assembly in the car. Start by making sure the tabs are seated correct in the OEM bushings. Then make sure the pipe is inserted far enough down the hose. Orient the hose and carbon fiber pipe together so they align well. Tighten the hose clamps to 5Nm do NOT overtighten the hose clamp on the carbon fiber pipe as it will damage it.

Re-install all other parts in reverse order.



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