



Revised 9/27/22

### BDE-6030

## VG30DE(TT) REMOTE OIL FILTER ENGINE BLOCK ADAPTER

Note: this adapter will eliminate the oil filter bypass valves located in the OE Twin Turbo filter tree. NA bypass valves are located in the block and you may elect to remove and plug these holes to ensure 100% of the engine oil is always filtered.



### PARTS LIST:

Qty	Description
1	BLOCK MOUNT ADAPTER
1	INLET/OUTLET ADAPTER
4	M8x1.25x18 SS CAP SCREW
2	10-24x1.000" SS CAP SCREW
1	10-24x1.250" SS CAP SCREW
2	VITON O-RING 0.691" (18mm) OD
1	VITON O-RING 0.943" (24mm) OD
1	VITON O-RING 2.637" (67mm) OD

### TOOLS REQUIRED:

6mm Allen wrench  
5/32" Allen wrench  
Petroleum jelly  
Oil or grease

## O-RING INSTALLATION

**Important: Always lubricate o-rings with petroleum jelly before installation!!!**

**Important: Do NOT use RTV silicone on the o-rings!!!**

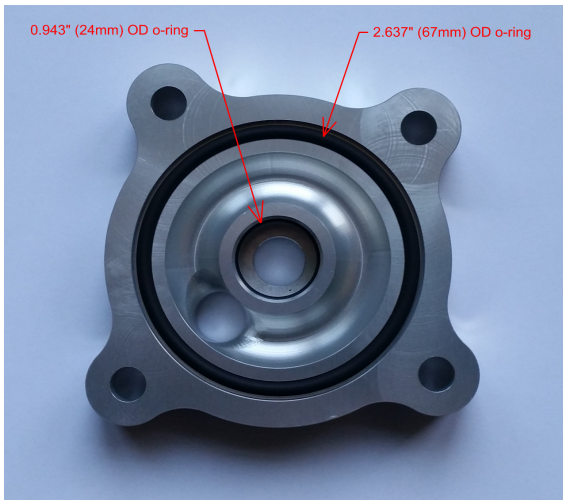


Figure 1 – back o-rings

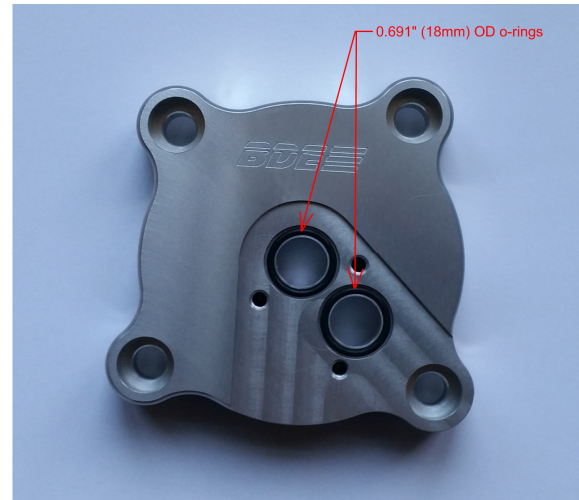


Figure 2 – front o-rings

- Install the 0.943" (24mm) OD o-ring into the center inside groove on the back of the block adapter (Figure 1). Do NOT use an OE o-ring on this position with the BDE adapter.
- Install the 2.637" (67mm) OD o-ring into the face groove on the block adapter back (Figure 1).
- Install both 0.691" (18mm) OD o-rings into the face grooves on the "BDE" logo side of the block adapter (Figure 2).

## ADAPTER INSTALLATION

**Important: Always lubricate with oil or grease threaded holes and threads on fasteners and fittings prior to installing!!!**



Figure 3 – engine block center nipple



Figure 4 – 10-24 cap screw locations

- Verify your engine block's oil outlet has its original center nipple installed (Figure 3), and it has no sharp burrs on it that could damage the Block Mount Adapter's center o-ring which seals on this nipple.
- Lubricate the OD of the center nipple with petroleum jelly.
- Place the Block Mount Adapter onto your engine block with the BDE logo on top (do NOT use a factory gasket here).
- Lubricate the four M8x1.25 Allen bolt threads, install and torque to 12 ft-lbs.
- Place the Inlet/Outlet Adapter on the Block Mount Adapter and locate it in the machined pocket.
- Lubricate the threads on the 10-24x1.000" SS cap screws and install into the two holes closest to the center (Figure 4).
- Lubricate the threads on the 10-24x1.250" SS cap screw and install into the hole closest to the engraved inlet/outlet arrows (Figure 4).

### **AN ADAPTER FITTINGS (not included)**

The inlet and outlet bosses are machined for -10 ORB adapter fittings (7/8"-14 threads with o-ring gland) and BDE recommends using no smaller than -10 AN hose on all external oil plumbing.

As always, before installing ORB adapter fittings, lubricate the threads in the inlet and outlet as well as the threads and o-rings on the fittings.







### **OIL PRESSURE SENSOR MOUNTING**

Due to tight clearances around the turbo and block adapter, it is probably easiest to relocate the OE oil pressure sensor to the outlet of your remote oil filter. BDE recommends using a -10 AN gauge adapter and 1/8" male NPT to 1/8" female BSPT adapter to accomplish this (see Figure 5 below for various options from Summit Racing).

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<b>Brand</b>	Russell Performance	Fragola Performance Systems	Earl's Performance
<b>Manufacturer's Part Number</b>	670360	495008-BL	968699ERL
<b>Part Type</b>	Gauge Adapters	Gauge Adapters	Universal Fittings
<b>Product Line</b>	Russell AN Flare Unions and Caps	Fragola Performance Systems Pressure Gauge Adapters	Earl's Performance AN to BSPT Adapter Fittings
<b>Summit Racing Equipment Part Number</b>	RUS-670360	FRA-495008-BL	EAR-968699ERL
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<b>Description</b>	Fitting, Fuel Pressure Take Off, -10 AN Male to -10 AN Female, 1/8 in. NPT Gauge Port, Aluminum, Blue, Each	Fitting, Straight, Gauge Adapter, -10 AN Male to -10 AN Female, 1/8 in. NPT Gauge Port, Aluminum, Black, Each	AN FITTINGMALE 1/8 NPT TO 1/8 BSPT FEMALE STRAIGHT ADAPTER
<b>Fitting Angle</b>	-	Straight	Straight
<b>Fitting Attachment 1</b>	Male threads	Male threads	Male NPT
<b>Fitting Attachment 2</b>	Female threads	Female swivel	Female BSPT
<b>Fitting Attachment 3</b>	Female threads	Female threads	-
<b>Fitting Category</b>	-	-	NPT to BSPT

Figure 5 – OE oil pressure sensor mount adapter options