



PRECISION PERFORMANCE
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BRS
Bilt Racing Service

**TECHNICAL
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BRS CAYMAN / BOXSTER 987.1 6-SPEED ENGINE OIL COOLER KIT 106-30

INSTALLATION MANUAL

This instruction manual or bulletin is not intended to be substituted for proper judgement, or common sense. Always refer to the factory manual or to the information supplied by the manufacturer with your product for detailed assembly or installation instructions.

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The BRS Cayman/Boxster 987.1 6-Speed Engine Oil Cooler replaces the existing engine oil cooler and uses an adapter plate that plumbs both engine oil and coolant/water to our remotely mounted 0.5 L capacity heat exchanger. The cooler is mounted to the transmission with supplied bracket, hardware, Aeroquip hose, and fittings. Maintaining a lower operating temperature will improve both the performance and longevity of your Porsche Cayman or Boxster engine.

Please note: this kit is only compatible with 2005-2008 987.1 Porsche Boxster and Cayman models with the six (6) speed manual transmission; installation of low temperature thermostat and center radiator recommended.

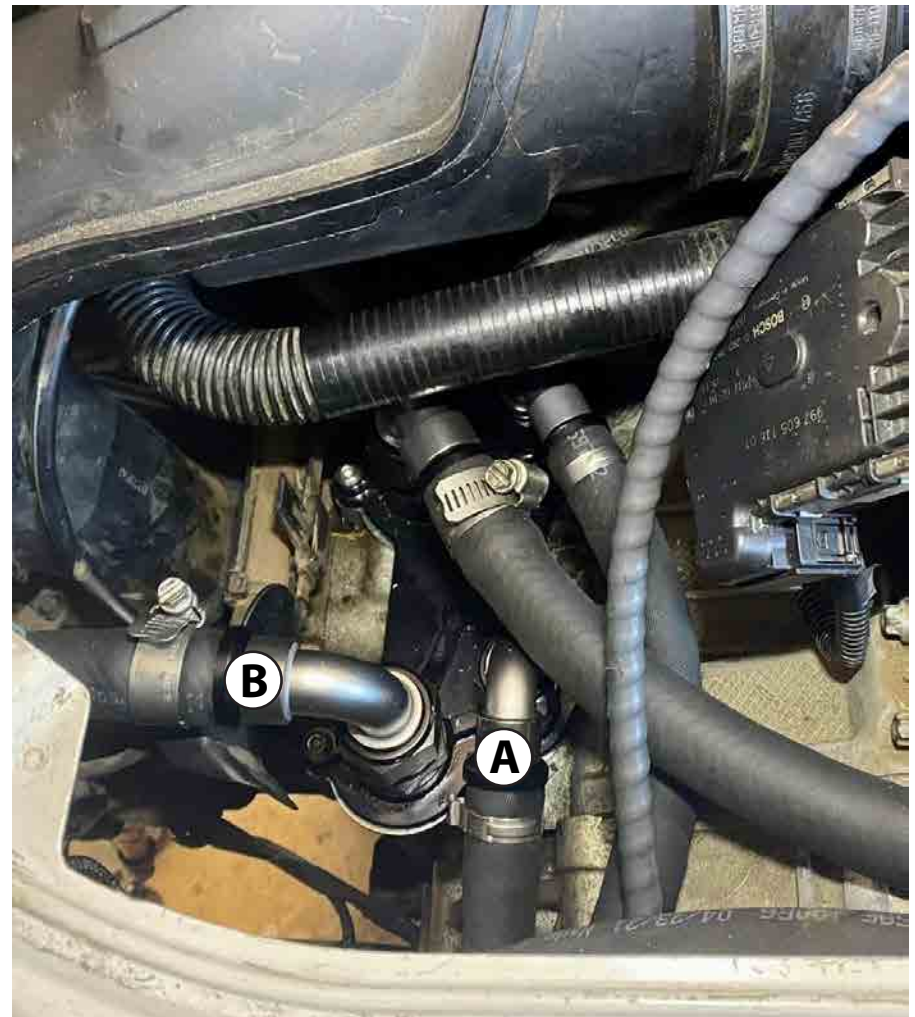


Remove the OEM heat exchanger on top of the engine. Replace o-rings with new.

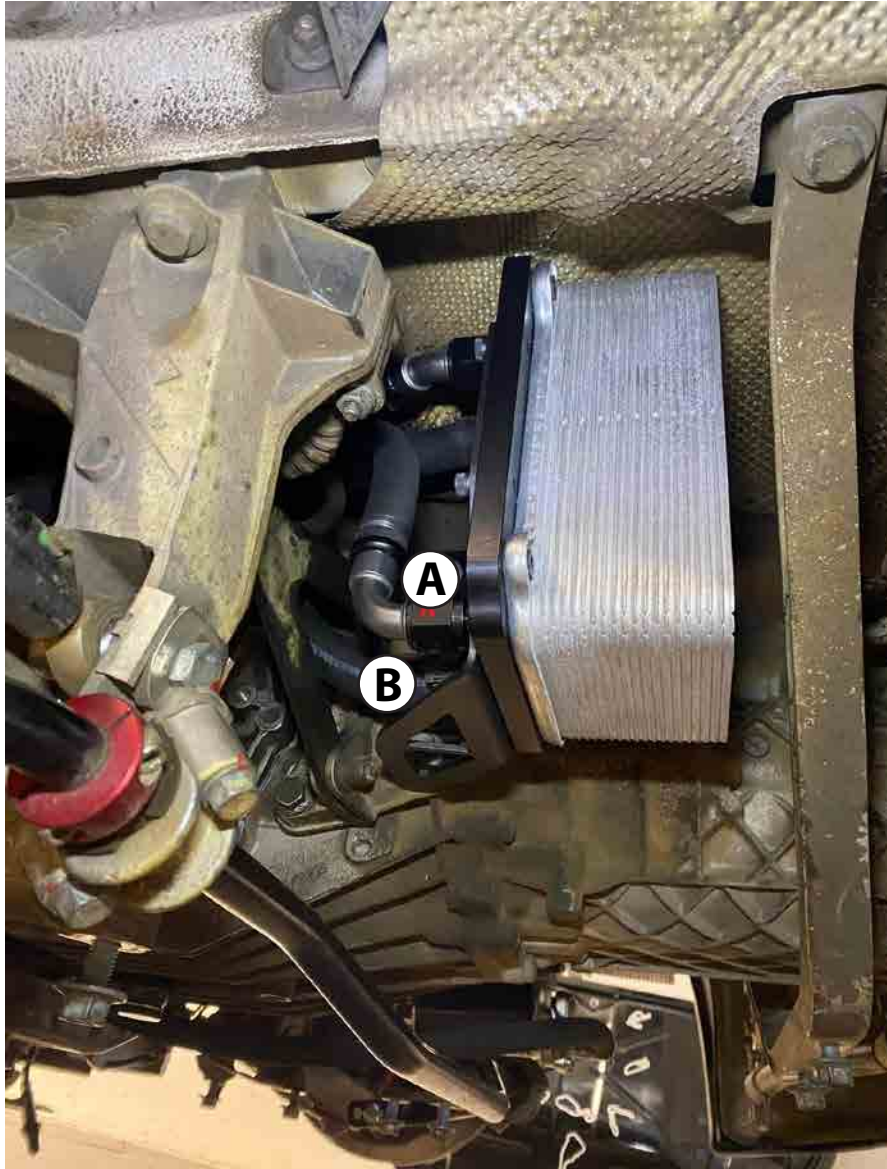


Mount the AN adapter plate in place of the OEM cooler. It may be easiest to thread AN adapter into the plate off of the engine. Note the routing of the hoses. **Hose A is the oil feed** and should be routed to the lower AN fitting on the cooler. **Hose B is the coolant feed** and should be routed to the lower coolant barb on the cooler.

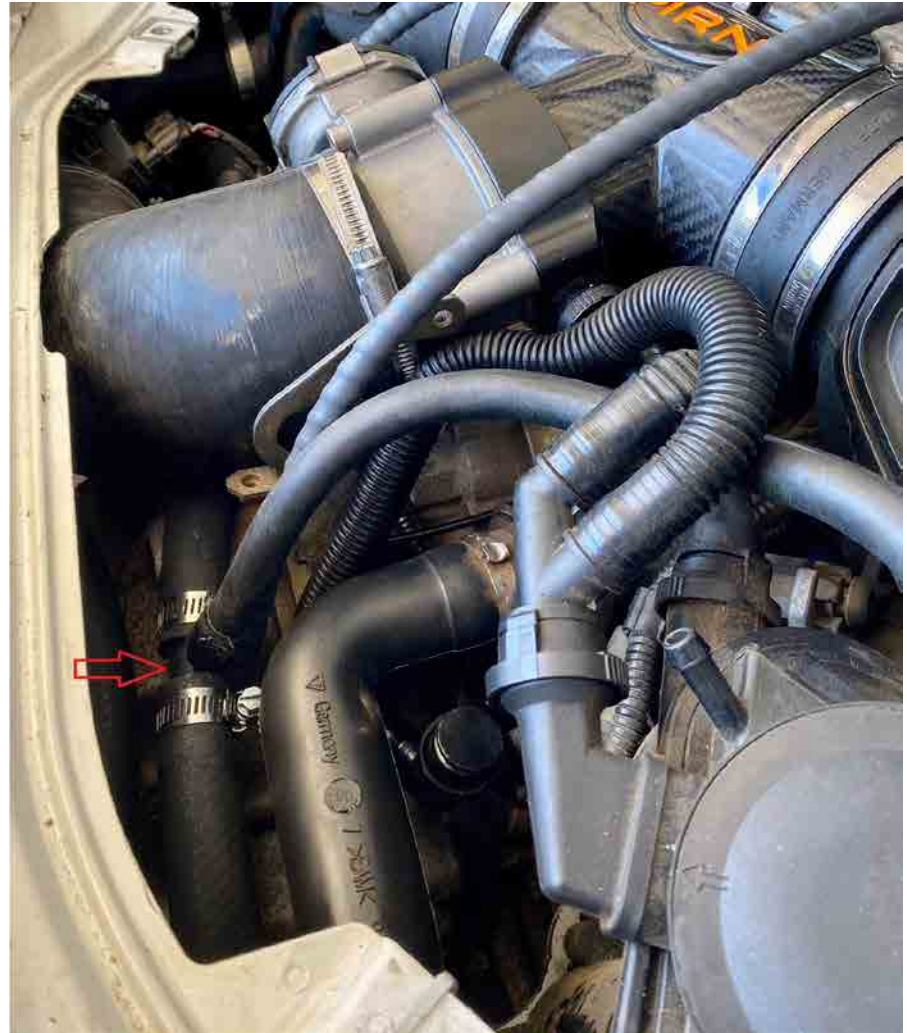
(Note: Coolant return hose routed for use with 117-12 kit. If 117-12 is not used hose position may differ.)



The heat exchanger with bracket will mount onto two of the left side transmission mount. The cooler bracket will be mounted in between the bottom of the bolt head and the transmission mount.



Place the T fitting inline on the coolant return near the highest point of the line and attach the bleed line from the OEM cooler.



Please ensure only stepless clamps are used on the barbs of all the push lock fittings. The stepless clamps should be positioned on the barb so that it is in between two ribs. Hose clamps will be used only on cooler barbs and T fitting barbs.