

ZERO Oil Cooler Kit Installation

Please note; this oil cooler kit will only work with the upgraded Zero 60mm radiator cooling pack. This kit should be installed by a mechanically competent person, the vehicle oil system this kit plumbs into is critical to engine operation so care must be taken to ensure all lines and fittings are tight and free from damage prior to running the engine. After installation run the engine up to full operating temperature then turn off and check the installation for leaks prior to using the vehicle on the public highways or circuits.



If your Zero chassis was produced before October 2019 you will need to fit the 'retrofit' oil cooler bracket to the lower front cross member of your Zero.

This can be easily done by using the bracket to mark, drill and fit 2 M6 riv-nut inserts into the lower cross member. Ensure the riv-nut inserts are located in the center of the cross member as shown.



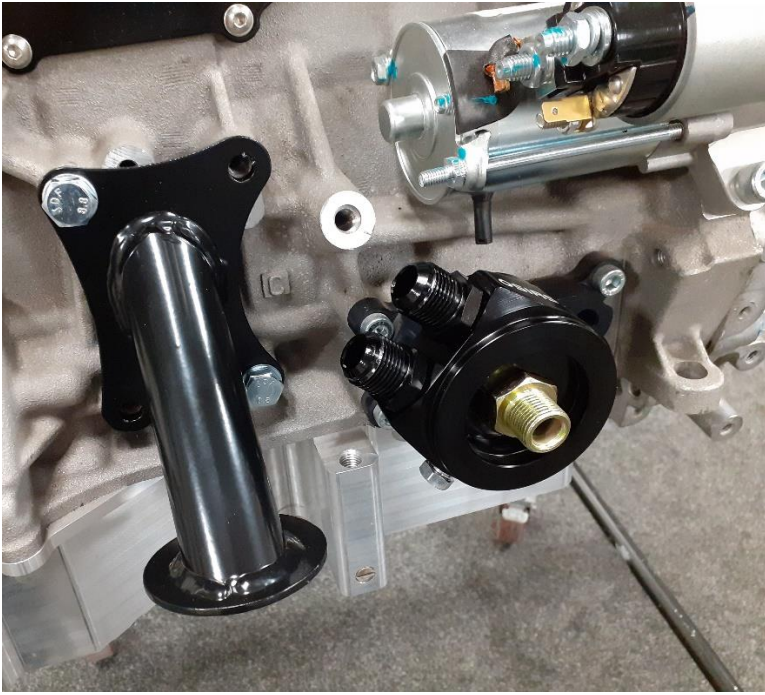
Mount the retrofit bracket securely to the cross member with M6 fasteners and washers.



Mount the oil cooler securely to the retrofit bracket with M6 fasteners and washers.

The cooler must be mounted solid and all fasteners tight.

Leave the oil cooler 90-degree hose fittings loose at this point, they will be tightened at the last stage when securing the oil lines.



Securely mount the oil sandwich plate ensuring to apply a small amount of oil to the O-ring that sits on the engine oil housing. There is not a specific torque setting for the center adaptor bolt due to the O-ring seal on the plate but you must ensure this is tight. The use of a small amount of thread lock is advisable.

Position the oil sandwich plate as shown with the fittings at the 10 o'clock position placing their routing over the engine mount.

Refit oil filter with a small amount of oil on the O-ring and tighten.



Install the oil lines to the sandwich plate.

Caution;

It is the installer's responsibility to check all sandwich plate NPT plugs, line fittings, and other connections in the oil cooler kit to ensure they are fully tightened before operating the vehicle. GBSC recommends that you check all connections at regular intervals, especially during the first few miles after installation.



Use the 20mm P-clips in the oil cooler kit to securely mount the oil lines to the vertical chassis member shown here, ensure that the oil lines clear all moving parts and are not tight from the sandwich plate to the P-clip as the engine will move during operation so some flex in the line is required.

Tighten all oil line hose fittings now that the oil lines are correctly routed.

The installation is now complete. Run engine and check for any leaks.