



Oil Filter Block-Off Plates (for use with Remote Oil Filter Adapters ONLY) HEMI0001ERL, HEMI0002ERL

WARNING!!! IMPROPER INSTALLATION OF THIS PRODUCT CAN DAMAGE INTERNAL ENGINE COMPONENTS.

MOPAR's Gen 3 and Gen 4 Hemi engines place the oil filter at the front corner of the engine, which can prove troublesome when it comes to swapping a Hemi into some vehicles. To solve this, Earl's Oil filter Block-Off Plates (HEMI0001ERL or HEMI0002ERL) are installed onto the engine block instead of the oil filter to provide exceptional clearance for steering and suspension components in Hemi swap applications, as well as easier oil and filter change maintenance.

Earl's Remote Oil Filter Adapters (2077ERL, 2177ERL, 2178ERL, 2188ERL, 2277ERL, 2377ERL, 2477ERL, or 2577ERL) must be installed, the filter mounts onto the adapter. The remote oil filter adapter must be plumbed into the engine block's oil galley ports, which are two 3/8" NPT ports on the cylinder block near the factory oil filter. These adapters and block-off plates are installed using the same type of lubrication as the oil filter, and use the same installation torque that is used on the normal oil filter. See **Figure 1** for diagram.

The upper port on the engine block is the oil drain from the remote filter.
The bottom port on the engine block is the oil feed to remote filter.

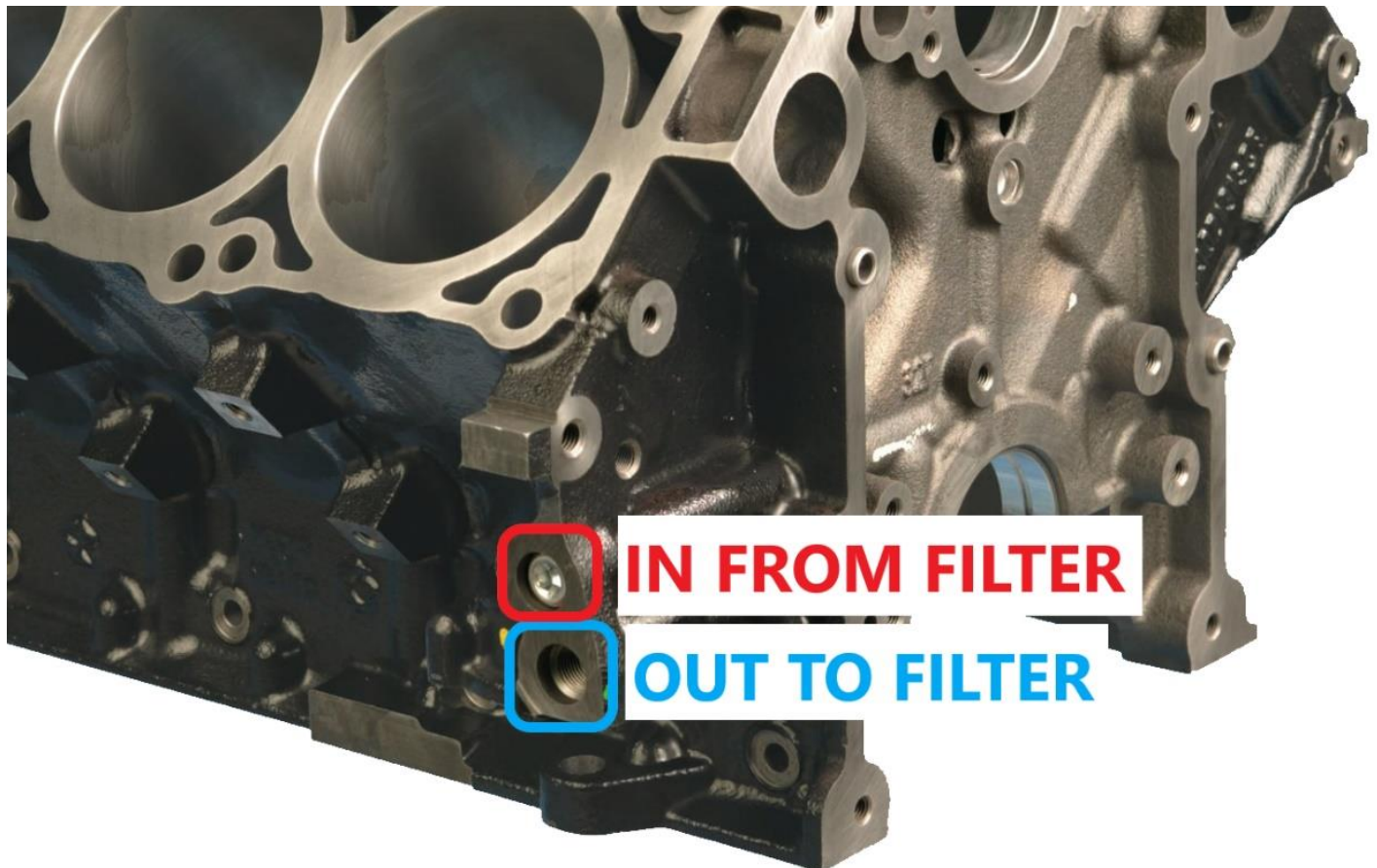


Figure 1

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Oil flow is directional through filters, filter adapters, and thermostats. Reversing flow at any point will likely starve the engine from oil and lubrication. During installation take care to ensure flow is correct and monitor oil pressure when engine is started. If the oil pressure is low or none, **TURN OFF THE ENGINE IMMEDIATELY** and inspect the oil flow path. If the oil pressure sensor is before the filter, gauge, or light, it will not show there is a problem.

Oil filters have an internal check valve allowing flow in only one direction. This valve holds oil in the passages when the engine is off to assure lubrication during startup. Typical automotive filters to be used with this product will have standard flow direction (**Figure 2**). Visual observation of the sandwich adapter or remote filter mount's passages will confirm this flow direction in and out of the filter. There is typically an ARROW or IN/OUT near the hose connection to show flow direction.

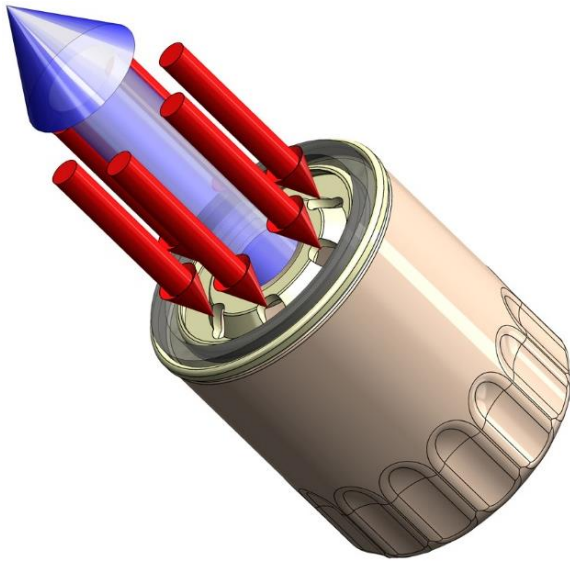
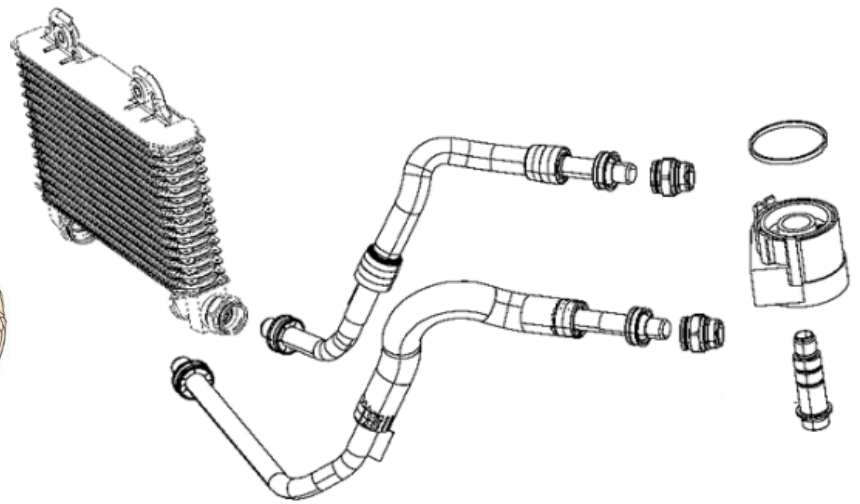


Figure 2



Figures 3 & 4

Some Hemi vehicles are equipped with an additional oil cooler adapter or “oil cooler” from the factory (**Figures 3 & 4**) that utilizes the original oil filter flow path. **THIS FACTORY OIL FILTER ADAPTER IS NOT COMPATIBLE WITH HEMI0001ERL and HEMI0002ERL BLOCK-OFF PLATES, OR HEMI0003ERL OR HEMI0004ERL OIL FILTER RELOCATION KITS.** The factory adapter will need to be removed to utilize these kits.

If the vehicle is using an oil cooler or oil thermostat (like Earl's 501ERL) it must be plumbed in correctly or it is likely to starve the engine from oil and lubrication. Plumb the entire system with oil flow in series (out of one component, into the next). This will ensure that all of the oil passes through the filter and the cooler.



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If you have any questions concerning the installation of these products, please contact Technical Service at 1-866-464-6553.