



Oil Filter Bypass Adapters, Filter Mounts, Thermostats, & Sandwich Filter Adapters

501ERL, 502ERL, 503ERL, 504ERL, 510ERL, 514ERL, 516ERL, 517ERL, 1118ERL, 1119ERL, 1130ERL, 1131ERL, 1178ERL, 2077ERL, 2177ERL, 2178ERL, 2277ERL, 2377ERL, 2477ERL, & 2577ERL

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

Earl's filter bypass adapters (1118ER, 1119ERL, 1130ERL, 1131ERL, 1178ERL, and 1877ERL) are installed instead of the oil filter. Earl's sandwich adapters (502ERL, 503ERL, 504ERL, 510ERL, 514ERL, 516ERL, and 517ERL) are installed before the oil filter & then the filter mounts onto the adapter. These adapters 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.

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, **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.

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

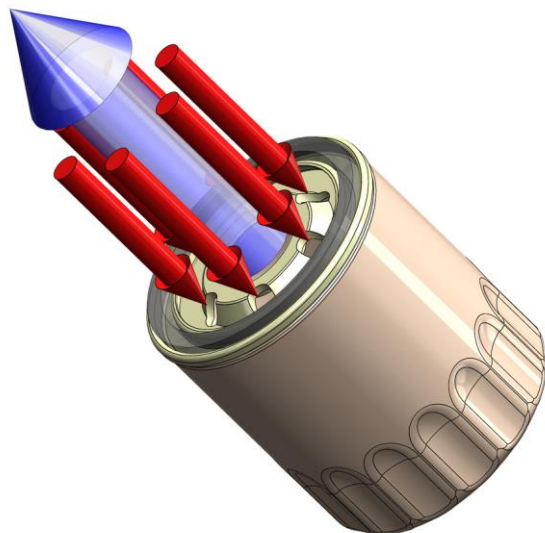


Figure 1

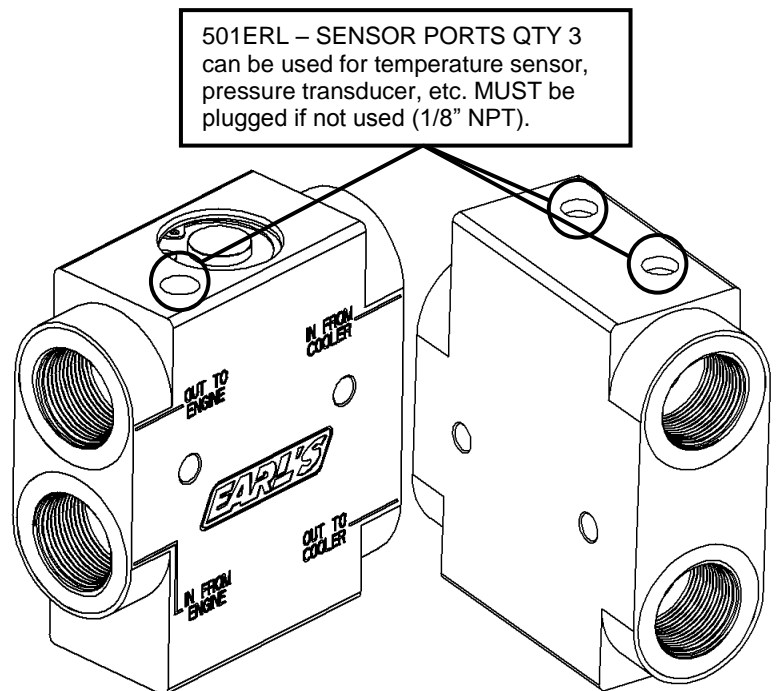


Figure 2

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 1**). 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.

