

C5 Corvette Intercooler Fluid Reservoir Kit



PN: L300165297

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Parts List

C5 Intercooler Fluid Reservoir Kit

#	Description	Part number
1	Intercooler fluid reservoir, 3.7L (0.98 gallon) capacity	XX04468-0015
1	Intercooler reservoir bracket, black anodized	XX04468-0010
1	Fender washer for intercooler reservoir bracket	91116A150
1	M6-1.00x16mm hex head bolt, stainless steel	47313
1	16 psi pressure cap, intercooler fluid	703-1726
1	Lingenfelter decal	L920010000
4	Instructions	N/A

Description	Additional Required Components	Part number
Spring clamp, 1-1/16" hose OD (quantity varies)		7329K16
OR		
Constant tension clamp, 9/16" band width, 13/16" - 1-1/2" clamp ID (quantity varies)		54205K11

Tools & Materials Required

- 10mm socket
- Ethylene glycol, green

Thank you for purchasing the Lingenfelter Performance Engineering (LPE) 1997-2004 C5 Corvette Intercooler Fluid Reservoir Kit. This kit includes the intercooler fluid reservoir, as well as the parts necessary to mount the reservoir directly above the battery. The LPE C5 intercooler fluid reservoir has a fluid capacity of 3.7 Liters (0.98 Gallons) and can be used on virtually any supercharged or turbocharged C5 Corvette application.

Read the entire instruction manual before beginning installation. Some stock parts will be used in reassembly.

The LPE intercooler fluid reservoir is designed to be used with hoses that have a 3/4" inner diameter.

Due to the expansion and contraction of the hoses in extreme temperatures, LPE recommends that either spring clamps (PN: 7329K16) or constant tension clamps (PN: 54205K11) be used for fastening the hoses to the intercooler fluid reservoir. Worm clamps do not adjust when the hoses contract, which could lead to the hoses leaking.

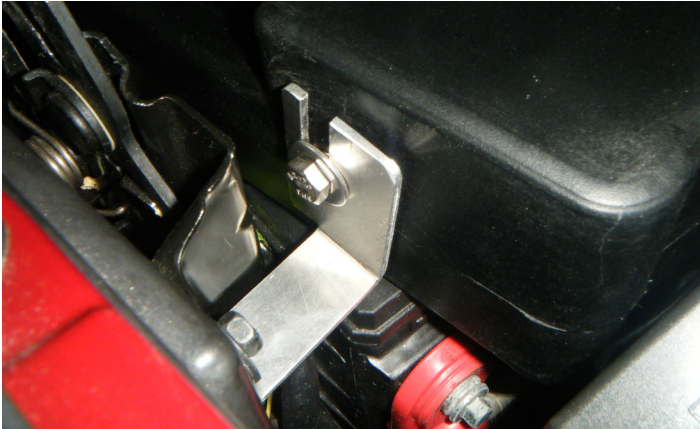
Because the intercooler fluid reservoir will be installed directly above the battery, it is necessary for the vehicle to have a side post battery in order to allow for the necessary clearance under the hood. Cars equipped with top post batteries, such as the 2004 C5 Corvette, will need to be converted to a side post battery before installation can begin.



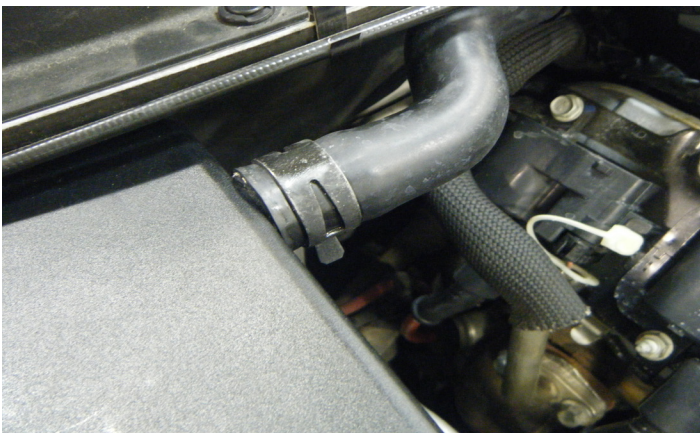
1. Open the hood. If you have been driving your vehicle, allow time for it to cool down before beginning this installation.



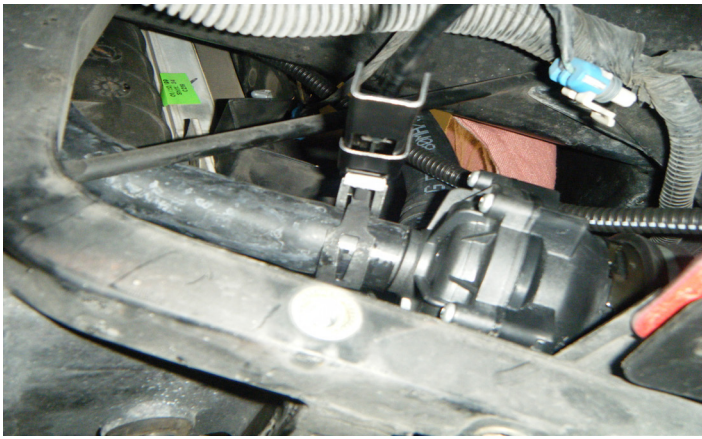
2. Using a 10 mm socket, install the supplied bracket (PN: XX04468-0010) on to the hood latch for the coolant reservoir using the existing fastener.



3. Loosely install the supplied M6x1x16mm bolt (PN: 47313) and M6 washer (PN: 91116A150) into the coolant reservoir (PN: XX04468-0015) and slide the assembly into the bracket installed in the previous step. Tighten the bolt to secure the coolant reservoir to the bracket.



4. Using a spring or constant tension clamp, connect the rear intercooler hose to the top coolant reservoir fitting.



5. Route the hose from the bottom coolant reservoir fitting to the intercooler pump inlet and secure to the bottom reservoir fitting and the pump using spring clamps or constant tension clamps.



6. Fill the intercooler reservoir with green ethylene glycol. Screw on the pressure cap supplied in the LPE kit (PN: 703-1726). Refer to figure 1 on page 4 for the boiling points of different ethylene glycol aqueous solutions at different pressure levels.

NOTE: LPE recommends using two (2) different color coolants. One color for the intercooler system, and the other color coolant for your engine cooling. This is to differentiate between the intercooler and the cooling system if a leak occurs.

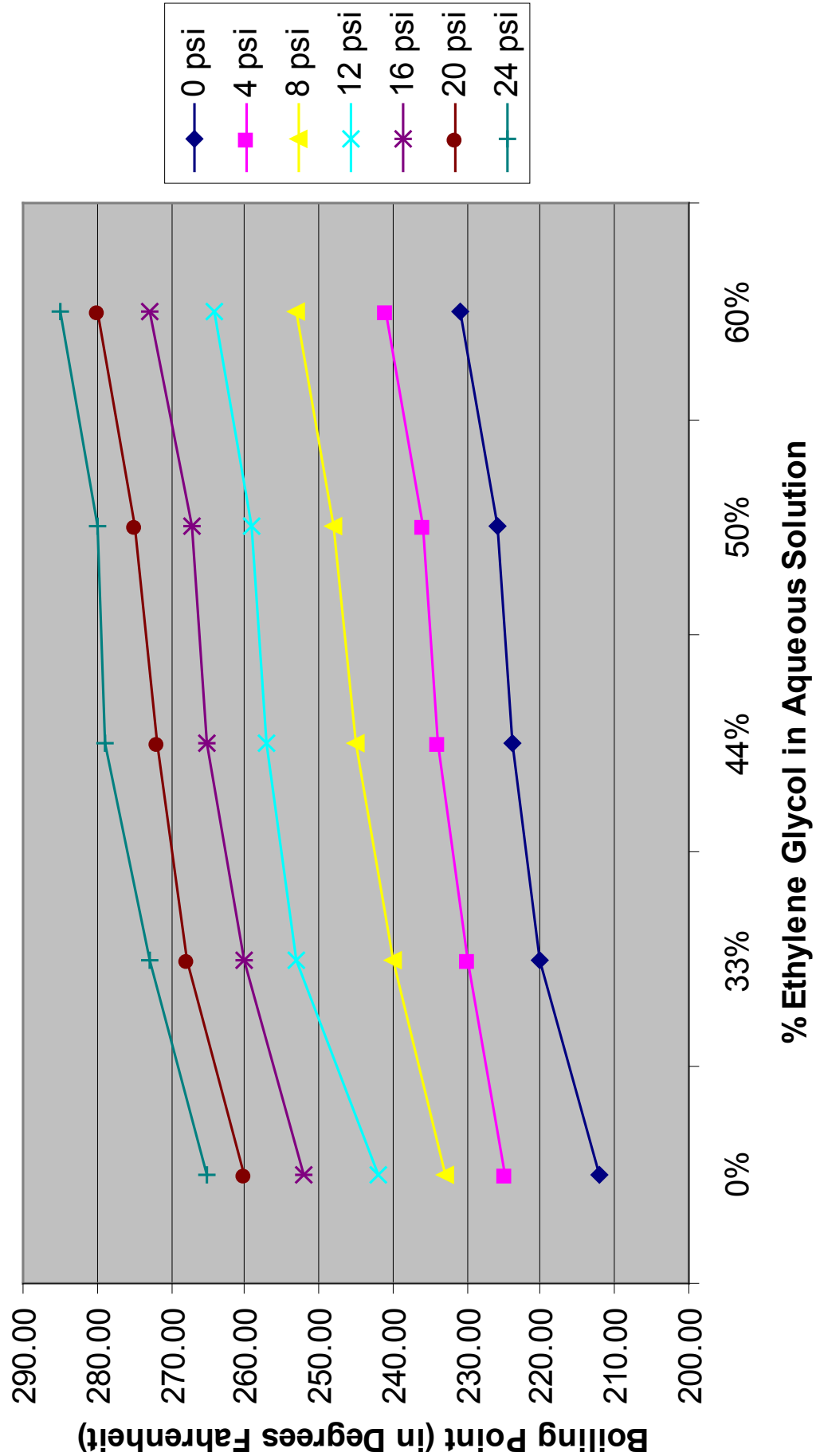


7. Screw the supplied pressure cap onto the intercooler fluid reservoir.

Installation of the LPE intercooler fluid reservoir kit is now complete.

FIGURE 1

Boiling Points of Various Aqueous Ethylene Glycol Solutions at Various Pressures



For additional product installation information and technical support, contact LPE or your LPE products distributor. You can also find technical support and usage discussions regarding this product and many other LPE products in our Internet forums:

<http://www.lingenfelter.com/LPEforumfiles>



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