



## Turn One C5/C6 Corvette Line & Cooler Kit Instructions

Thank you for your purchase! This kit can be used with a factory C5/C6 Corvette pump setup or with a Turn One C5/C6 Performance pump upgrade. Please read the instructions carefully. If you have questions or comments, all of our up-to-date contact options can be accessed at [turnonesteering.com/contact](http://turnonesteering.com/contact).

*Attention! The components of this kit are only compatible with AN-6 connections. It is critical that all necessary connections (specified below) are converted using an AN-6 style of hose connection.*

### **Pump pressure side**

If you have a factory pump, you would want the Extended AN-6 adapter (#302-006). If you are purchasing a Turn One pump, we can build the pump with an extended AN-6 restrictor installed in the pump, which can be specified at the time of purchase.

### **Rack and pinion pressure port**

The high-pressure line will connect to the larger port that sits towards the passenger side. Our AN-6 adapter (#302-002) will convert this port to AN-6.

### **Rack and pinion return port**

The low-pressure line connects to the smaller port that sits more to the driver's side. Our AN-6 adapter (#302-001) will convert this port to AN-6.

### **3/8" reservoir tube**

The last factory connection point that needs to be converted is the reservoir "slip-fit" tube. Turn One's reservoir adapter (#302-003) converts the flared tube to AN-6.

### **Hose Sections**

There are three sections of hoses. The 18" smaller-diameter hose is the high-pressure hose running from the pump to the rack and pinion. The 15" wider-diameter hose connects the rack and pinion to the fluid cooler (photos may show this line in either stainless braid or black braid). Lastly, the 21" wider-diameter hose connects the cooler to the factory fluid reservoir (photos may show this line in either stainless braid or black braid). See references below for each connection point.



### **Installation Tips**

For vehicles that do not currently have a factory power steering cooler, it may be wise to first connect the low-pressure hoses and perform a test fit of the cooler location to ensure that the hose ends reach the cooler input/output fittings and connect without issues. The cooler in this kit is designed to mount in the exact location of the factory Z06 cooler.

Once your AN-6 adapters are installed in the rack and pinion ports, it can be easy to forget which port is the high-pressure port and which is the low-pressure return. DO NOT hook up your lines backwards, or you will blow a rack seal. We have designed the kit to minimize the chance of hooking these lines up incorrectly. However, we still strongly recommend marking each port so you know definitively which is pressure and which is return.



The high pressure port (connection from the pump) is the larger diameter 18mm thread (M18x1.5)

The low pressure return port (connection going to the cooler) is the smaller diameter 16mm thread (M16x1.5)

### **Pump to Rack Connection**

The 45-degree fitting on the high-pressure line connects to the pump. The 90-degree swivel fitting connects at the rack and pinion high-pressure port (the one more toward the passenger's side). however we suggest connecting the low-pressure rack port BEFORE connecting the high-pressure port for ease of access. See reference photos below.



45-degree hose end to the pump



High-pressure hose shown in stainless steel coming from the top (low-pressure hose shown with black braid)

### **Rack to Cooler Connection**

The 120-degree swivel fitting connects to the rack and pinion low-pressure port (the one nearer the driver's side). The 90-degree swivel fitting connects to the cooler input. See reference photos below.



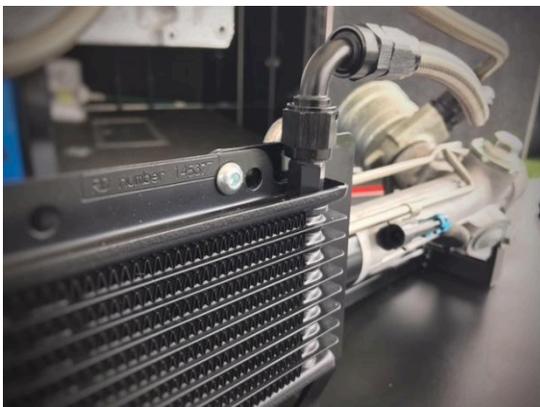
Low-pressure rack and pinion port  
(AN-6 adapters are installed)



Rack ports with both hoses connected

### **Cooler to Reservoir Connection**

As both ends of this hose have 90-degree swivel fittings, it does not matter which side connects to the cooler and which side connects to the reservoir tube adapter.



Cooler output connection



Low-pressure return hose shown  
connected to the AN-6 reservoir tube adapter