

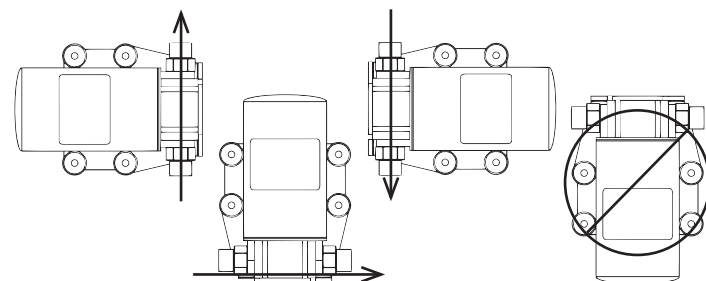
Please read these instructions completely before beginning installation.

Pump variants:

Fitting size	Filter	Part #
None	None	17-311-00-0005
-6	None	17-311-06-0005
	150 μ	17-311-06-IF05
-8	None	17-311-08-0005
	150 μ	17-311-08-IF05
-10	None	17-311-10-0005
	150 μ	17-311-10-IF05



TECHNICAL SPECIFICATIONS		
Ports	3/8" BSPP	
Max. work pressure	22 psi	
Max. work temp.	Tested to 250 °F	
Flow rate	0.9 gpm (1/2" ID hose)	
Self priming	5 ft (wet gears)	
Compatible fluids	Oil with viscosity < 350 cSt	
Pump head	Brass, nickel-plated	
Gears	Bronze, helical	
Motor	12 V with stainless-steel shaft, fluoro-elastomer lip-seal, rated IP-67	
Amperage draw	2.5 A / 12 V	
Fuse recommended	min. 5 A / 12 V	
Weight	2.6 lb without fittings or filter	
Dimensions	A	5.0 in
	B	4.4 in
	C	3.0 in



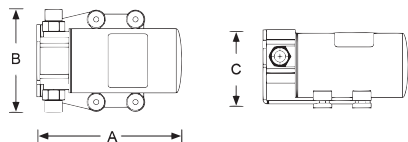
INSTALLATION

Self-priming 12V electric positive displacement gear oil pump with no internal bypass, designed for intermittent/discontinuous use. Avoid high pressure operating conditions to prevent overheating of the pump.

WARNING:

- Motor is not ignition-protected. Do not enclose pump in area with fuel vapor.
- Do not operate pump with either suction or discharge sides closed or blocked. Ensure that all system valves are open prior to pump operation.

1. Prepare the vehicle for installation: allow to cool completely.
2. Mount pump withing 4.2 ft height from the minimum level of the fluid.
3. Pump system can be mounted in any orientation except with the pump above the motor. (see diagram above).
4. Prime pump before initial use by pouring a small amount (about 3 fl oz) of oil into suction hose and run



Warning: Installation should only be attempted by those with mechanical skills and experience working on vehicles. Standard safety precautions consistent with the tools and dangers of automotive work should be followed to protect from injury. Specifically, wear protective equipment, take care to stabilize the vehicle on a level surface, engage the parking brake, and allow vehicle to cool before attempation installation; failure to comply can result in injury and/or damage to equipment.

pump for several seconds to draw oil into pump.

5. Direction of flow is normally left-to-right, although polarity can be reversed to run pump in opposite direction.
6. Pump pre-filter (if included with part #) utilizes cleanable and reusable 150 μ filter element.

Filter Maintenance: Clean filter element from inside-out using non-chlorinated brake-cleaner spray. Before reinstallation, allow filter element to dry, and inspect O-rings to ensure they are free of debris and not fraying.

Accessory parts available:

Item	Description		Part #
Thermal switches available in preset activation temperatures: 180 °F, 190 °F, 200 °F	Temperature		
	180 °F		TS180
	190 °F		TS190
Electrical relay: Bosch-style 5-pin 30/40 A power relay and socket	200 °F		TS200
			31-R30A-5P
In-line pre-filter, 150 μ filtration. Installs using a swivel union.			11-IF0606-D 11-IF0808-D 11-IF1010-D
AN swivel unions: female-female AN connectors.	Angle	AN size	
	00 °	-6	22-AN06SUAN06-00
		-8	22-AN08SUAN08-00
		-10	22-AN10SUAN10-00
	90 °	-6	22-AN06SUAN06-90
		-8	22-AN08SUAN08-00
-10		22-AN10SUAN10-00	
Pre-filter screen installs between AN connections, 250 μ filtration	AN size		
	-6		11-UF06
	-8		11-UF08
	-10		11-UF10

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