

Installation Instructions for 50950 Remote Mount Electric Water Pump

BE CAREFUL – DO NOT OVERTIGHTEN THE THREADED FITTINGS! Use a Teflon thread sealing compound #555-28011 to avoid leaks and to guard against galling of threads.

Installation Instructions:

Mounting Instructions:

1. Before working on the engine, disconnect the battery ground cable.
2. Remove the old water pump to be replaced, if so equipped.
3. Once the old pump is removed, flush entire cooling system.
4. This pump is designed to be cage mounted or bulkhead mounted (sold separately). Mount pump at or below mid point of cooling system so that the pump is gravity fed. To avoid cavitation the outlet of the pump must be higher than the inlet. You may fabricate a bracket for square frame mounting.
5. Once you have mounted your water pump you must make the connection to the block from the pump. You will need available 12AN block adapters (sold separately). Block adapter kits are complete with o-ring seals that mount directly to the front of the block so you can use braided hose. You may also need a Y-block (sold separately) to split the lines into two exiting from the pump. **NOTE: block adapters and Y-block are sold separately.**
6. Your remote pump also has the capability to reverse flow your cooling system. Instead of making the connection from the pump to the block you will connect the pump to the existing water neck. The water will then exit from the block and return to the radiator. **NOTE: you may still need to use block adapters and Y-block to complete the system.**

Inlet Installation:

1. Each hose inlet (sold separately) is supplied with an o-ring seal for positive sealing however it might be necessary to use a small amount of sealant on the o-ring to prevent any leaks. Our hose inlets have a 1 ¼ hex for easy tightening. (**Note: Be sure not to overtighten inlet, it could cut or split o-ring.**)
2. Reconnect all hoses.

Connecting Electric:

1. The **Blue** wire connects to an on/off battery positive (+) switch.
2. The **Black** wire connects to suitable chassis ground or battery negative (-).
(**Note: Remember to reconnect battery ground.**)

Fill Procedure:

1. Fill the cooling system and inspect for leaks.
2. Once the system is full, replace the fill cap and turn on the pump.
3. While the pump is running, remove the fill cap and top off coolant level.
4. Start the engine and run until it reaches normal operating temperature.
5. Check for smooth operation.
6. Turn engine off and recheck coolant level.

Installation Components:

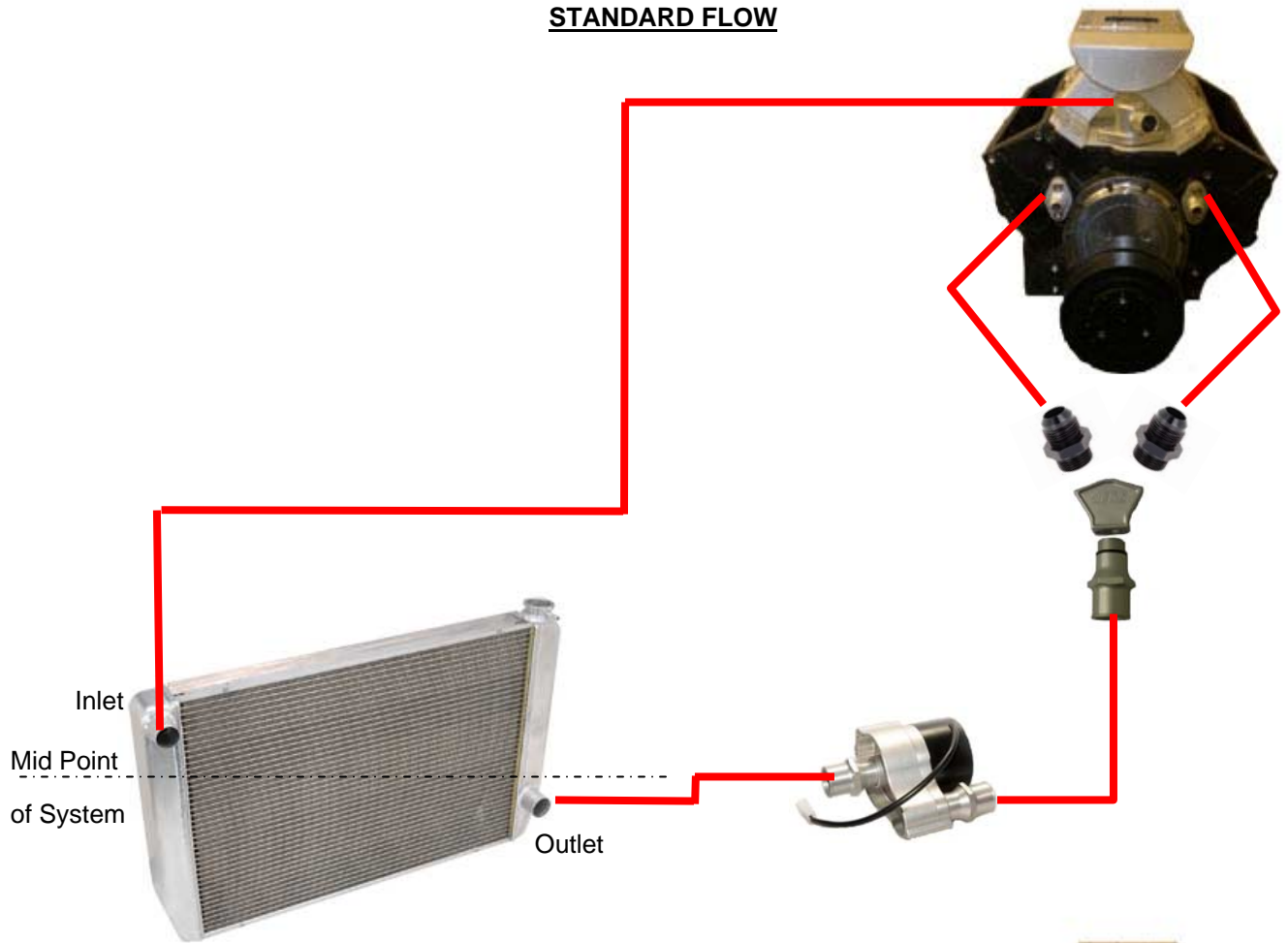
IMPORTANT!: The inlet and outlet of the pump; and the inlet of the Y-Block require use of JEGS fittings and hose adapters.

Part #	Description	Part #	Description
50908	-12AN Inlet Fitting	50905	1-1/4" Hose Adapter
50909	-16AN Inlet Fitting	50906	1-1/2" Hose Adapter
50955	Cage Mounting Bracket	50907	1-3/4" Hose Adapter
50960	Y-Block	50908	-12AN Hose Adapter
50965	-12AN Block Adapters for Small Block Chevy	50909	-16AN Hose Adapter
50966	-12AN Block Adapters for Big Block Chevy	50970	Ford 221/289 Backing Plate
50967	-12AN Block Adapter for Small Block Ford	50971	Ford 302, 5.0L (Fox), 351W Backing Plate
110170	-12AN x -12AN Straight Fitting, Black	100170	-12AN x -12AN Straight Fitting, Blue
100216	-12AN x -16AN Straight Union, Blue		
	requires 100185 O-Ring		

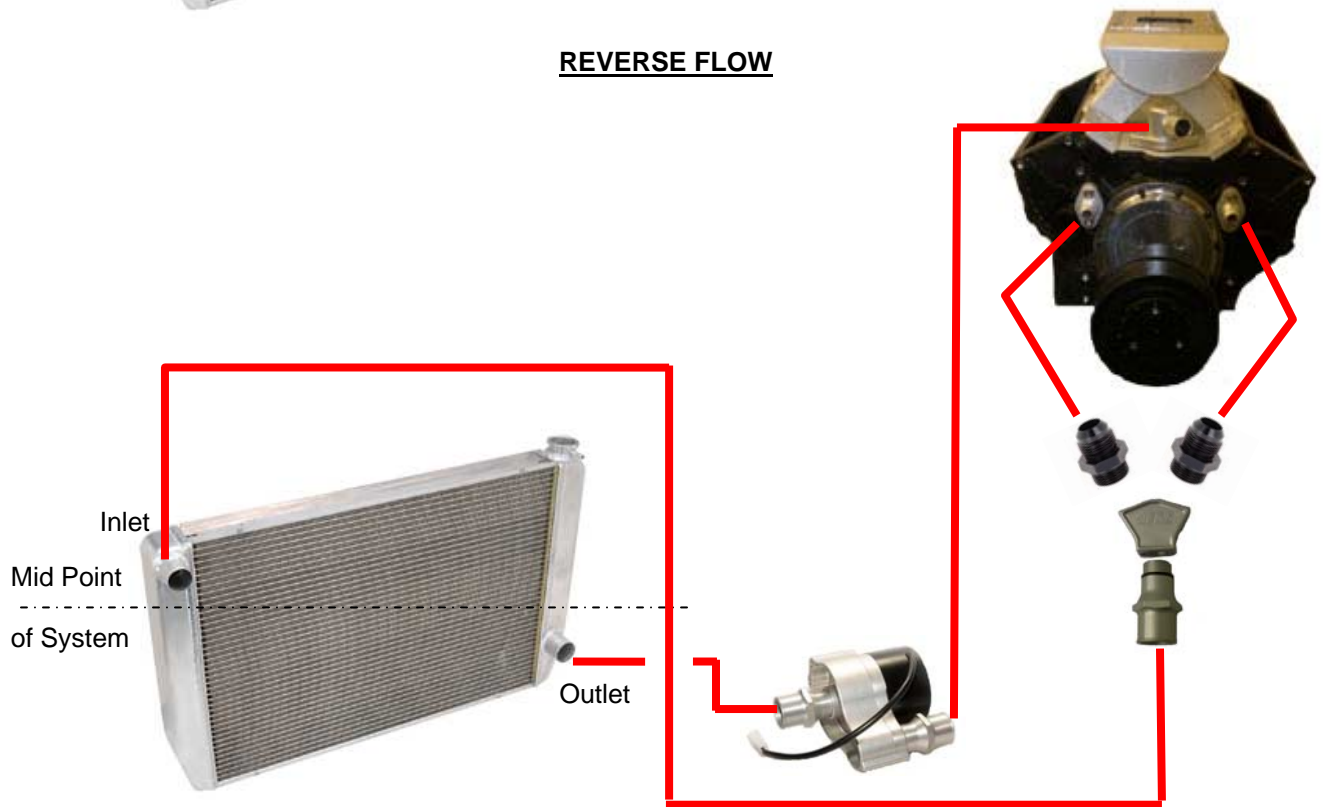


1-800-345-4545 jeps.com

STANDARD FLOW



REVERSE FLOW



1-800-345-4545 jegs.com