

Detroit Speed
Power Steering Pump & Hose Routing Instructions
P/N: 090901DS, 090904DS, 090905DS, 090906DS, 090301DS & 090304DS

Detroit Speed's power steering pumps are compatible with any power steering gear or rack and pinion. All pumps are completely new and are not remanufactured. DSE pumps deliver constant flow under given operating pressures. The transverse bearing compact pumps (TC pumps) are less sensitive to radial belt loading than other types of pumps. This power steering pump offers the same performance characteristics as our other pumps, and it saves 1.4 pounds over the cast iron version. The aluminum housing has a cast aluminum finish, and the integral reservoir makes for a clean, compact package.



P/N: 090901DS



P/N: 090301DS

Features:

- Flow = 2.4-2.8 GPM at 1500 rpm
- Pressure relief = 1250-1450 psi
- TC pumps offer high efficiency and quiet operation
- All DSE pumps are compatible with Vintage Air's Front Runner accessory drive system
- Features a 0.665" shaft diameter
- All pumps, including those with an integral reservoir, fit within the Front Runner confines
- All pumps are available with Mustang II flow control valve. This flow control fitting will restrict the flow to approximately 2 gal/min while retaining the appropriate pressure in the system

Installation Instructions:

1. Install power steering pump and reservoir in vehicle. When using a remote reservoir, it should always be mounted higher than the power steering pump. This will improve fluid return from the reservoir to the pump. Turn page over for routing diagrams.
2. Remove the trapped air in the steering system.
 - a. After filling the system with power steering fluid, raise and support the front of the vehicle.
 - b. Verify that the engine is turned off.
 - c. Slowly turn the steering wheel from full left lock to full right lock. **NOTE:** Avoid hard steering input into full lock positions.
 - d. Check the fluid level and maintain it at the "full" mark or 1/2" to 3/4" above the reservoir inlet fitting.
 - e. Repeat Steps 2.c through 2.d three to four times.
 - f. Start the engine and repeat Steps 2.c through 2.e.
 - g. Turn the engine off and recheck the fluid levels.

Line "A"

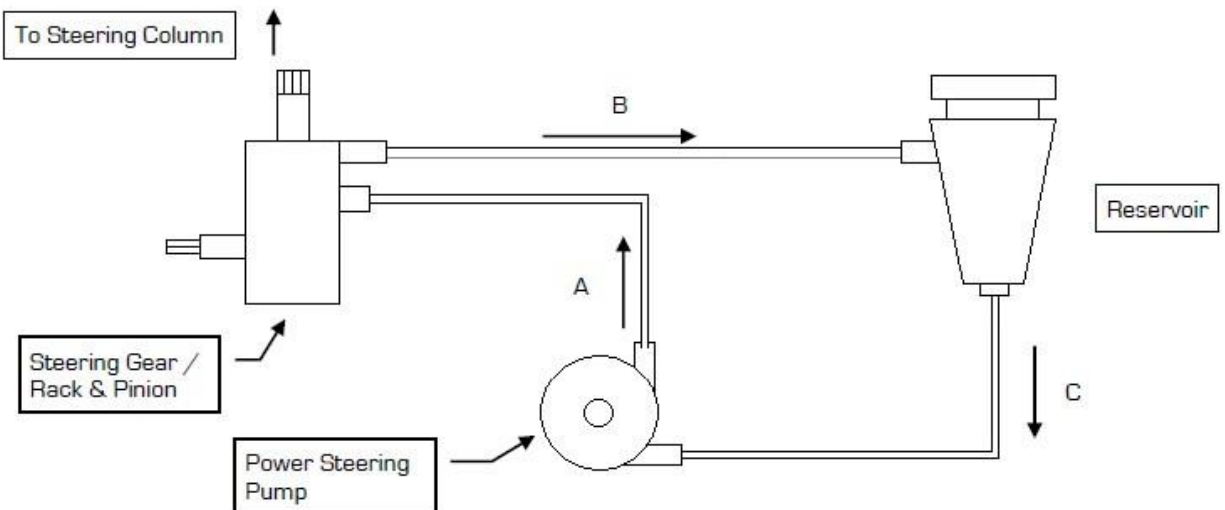
Power steering pump to the steering gear inlet (forward most port in vehicle). This is a -6 size line when using AN fittings and braided hose.

Line "B"

Power steering gear to the pump reservoir (the steering gear outlet is port closest to the steering column). This is true whether you are using a steering box or a rack and pinion. This is also a -6 size line when using AN fittings and braided hose.

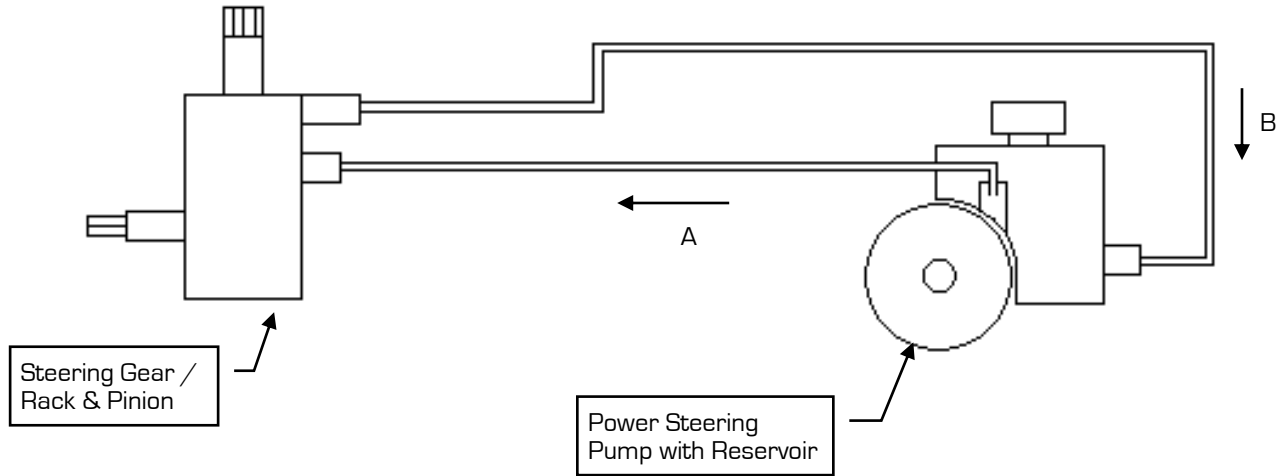
Warning: Pulley must be installed with proper tool (K-D Tool #2897 or equivalent). Do not attempt to hammer or press pulley on power steering pump shaft! Failure to use proper tool will destroy pump.

Power Steering Pump and Remote Reservoir Diagram



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Factory-Style Power Steering Pump with Integral Reservoir Diagram



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If you have any questions before or during the installation of this product, please contact Detroit Speed at sales@detroitsspeed.com or 704.662.3272

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