



SDHQ Motorsports
190 S McQueen Rd
Ste 109 Gilbert, AZ 85233
Phone: 480-633-2929

Product Packing List

Product: *SDHQ-13-9201-G12-12*

Description: 2012-2014 Ford Raptor Power Steering Reservoir

- | | | |
|-------|---|--------------------|
| _____ | (1) Universal Billet Power Steering Reservoir | SDHQ-00-9201-U1 |
| _____ | (1) SDHQ Power Steering Reservoir Mount | SDHQ-13-9202-G12 |
| _____ | (1) Hardware Package | SDHQ-13-9201-G12-B |
| _____ | (1) Quart of Power Steering Fluid | |
| _____ | (1) 5/16" - 18 x 1" Grade 8 Hex Head Bolt | |
| _____ | (2) 5/16" Grade 8 Washers | |
| _____ | (1) 5/16" - 18 Grade 8 Locknut | |
| _____ | (1) 1/4" - 20 x 3/4" S.S. Button Head Bolt | |
| _____ | (2) 1/4" S.S. Washer | |
| _____ | (1) 1/4" - 20 S.S. Locknut | |
| _____ | (1) AN-6 Push Lok 90° Fitting | |
| _____ | (1) -10 ORB to AN-12 Flare Fitting | |
| _____ | (1) AN-12 Push Lok 90° Fitting | |

Inspected and Packaged By: _____ **Date:** _____

For questions or help with the installation, please call SDHQ Offroad @ 480-633-2929
Mon.-Fri. 8:00am-5:30pm and Sat. 8:00am-3:30pm Arizona Time. www.sdhqoffroad.com

Included in **SDHQ-00-9201-U1**:

- (1) SDHQ Power Steering Reservoir Cap
- (1) SDHQ Power Steering Reservoir Body
- (1) Hardware Package
 - (1) AN-6 Anti-Cavitation Fitting
 - (1) SDHQ 3D Printed Baffle

SDHQ-00-9201-U1-A
SDHQ-00-9201-U1-B
SDHQ-00-9201-U1-C



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INSTALLATION INSTRUCTIONS

Product: *SDHQ-13-9201-G12-12*

Description: 2012-2014 Ford Raptor Power Steering Reservoir



<u>Parts List</u>	<u>Hardware List</u>	<u>Required Tools</u>
(1) Universal Power Steering Reservoir SDHQ-00-9201-U1 (1) SDHQ Power Steering Mount SDHQ-13-9202-G12 (1) Hardware Package SDHQ-13-9201-G12-B	(1) Quart of Power Steering Fluid (1) 5/16"–18 x 1" Grade 8 Hex Head Bolt (2) 5/16" Grade 8 Washers (1) 5/16" – 18 Grade 8 Locknut (1) 1/4" – 20 x 3/4" S.S. Button Head Bolt (2) 1/4" S.S. Washer (1) 1/4" – 20 S.S. Locknut (1) AN-6 Push Lok 90° Fitting (1) -10 ORB to AN-12 Flare Fitting (1) AN-12 Push Lok 90° Fitting	Hand Pump Siphon Oil Catch Container Shop Rags Pliers 7/16" Deep Socket 3" Extension Ratchet 5/16" Drill Bit Drill 5/32" Allen Wrench #6, #10 and #12 AN Wrenches or 11/16", 1" and 1 3/8" Wrenches

Tech Notes

Exercise extreme caution when working on a vehicle's power steering system and fluids can be hot and/or pressurized.
 Check the reservoir fluid levels at operating temperatures after 25 – 50 miles of driving.

Minimal drilling required.

AN Wrenches are highly recommended for install, the equivalent standard wrenches would work also.

Approx. Install Time: 2 Hours

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*****READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! *****

Installation Instructions:

1. Unbox your kit. Verify all parts are accounted for. Familiarize yourself with the parts.

If the SDHQ Power Steering Cooler Kit (**SDHQ-13-9203-G12**) was purchased, begin those instructions first.

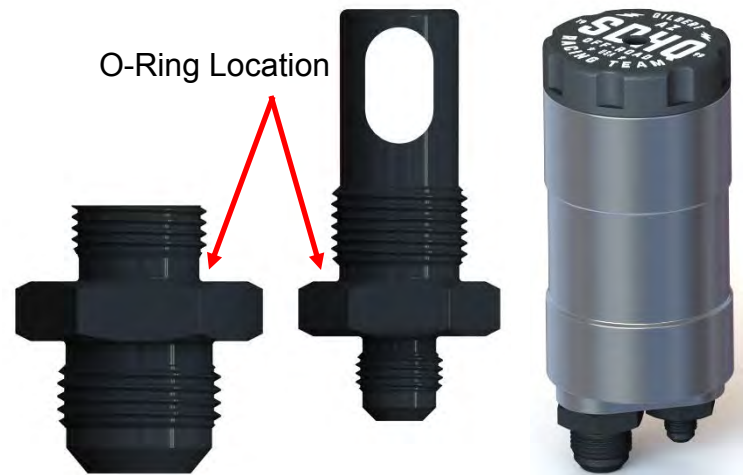
2. **Preparing your Truck.** Locate the factory power steering reservoir attached to the fan shroud on the front driver side of your engine bay. Using a hand pump siphon or something similar, remove all of the power steering fluid out of the reservoir.
3. Take note of the orientation of the power steering hoses. Use pliers to remove the return and send hoses on the reservoir. Remove the wiring harness off the reservoir mounting stud. Using the 7/16" socket, extension and ratchet, remove the factory steering reservoir.
4. Install the SDHQ Power Steering Reservoir Mount using the same clip on nut the factory power steering reservoir used. Orientate the Reservoir Mount such that the vertical tab on the mount aligns with the plastic on the fan shroud. Mark the plastic using a sharpie. Remove the Reservoir Mount.
5. With your 5/16" drill bit and drill, drill out the sharpie mark on the plastic fan shroud.
6. **Installing the SDHQ Power Steering Reservoir.** Install the new SDHQ Power Steering Reservoir Mount using the same bolt that was taken off the stock reservoir. Be cautious not to over-tighten.
7. Insert the 1/4" – 20 x 3/4" S.S. Hex Head Bolt and 1/4" Washer through the vertical tab on the mount and plastic fan shroud. Secure the mount with the 1/4" Washer and 1/4" – 20 Locknut.

8. **Assembling the SDHQ Power Steering Reservoir.** The SDHQ Power Steering Reservoir and fittings need to be assembled before installing into the mount. Locate the SDHQ 3D Printed Baffle, the SDHQ Power Steering Cap and the SDHQ Power Steering Body as pictured right. Verify the o-ring on the SDHQ Power Steering Body and Cap. Place the 3D Printed Baffle in the Body and tighten the Cap onto the Body.

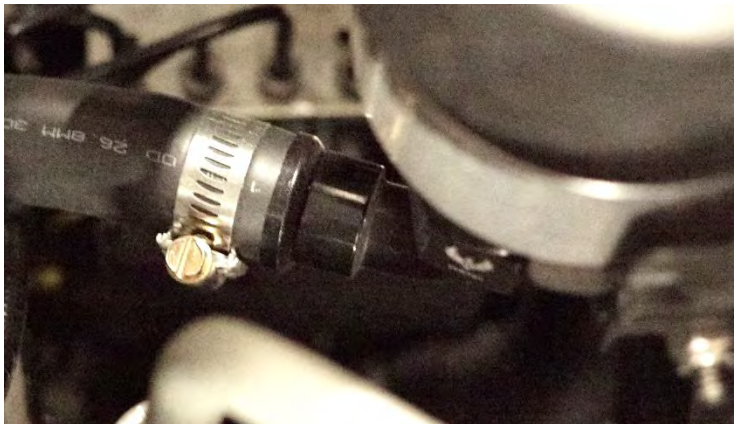


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9. Locate the AN-6 Anti-Cavitation Fitting and the AN-10 Port/AN-12 Flare Fitting. Check for the O-rings on these fittings, arrowed in red on the right. Lube the threads of the AN-6 Anti-Cavitation Fitting with assembly lube. Thread this fitting into the right hole on the bottom of the Power Steering Reservoir where the SDHQ Logo is legible on the Cap. Lube the threads on the AN-10 Port/AN-12 Flare and thread this fitting into the other threaded hole. Tighten both fittings.



10. Lube the AN-6 Anti-Cavitation Fitting and AN-10/AN-12 Fitting. Install the AN-12 Push Lok 90° Fitting onto the AN-12 Flare. Install the AN-6 Push Lok 90° Fitting onto the AN-6 Fitting. Angle these fittings such that the factory hoses will connect without any kinks in the hose. Tighten all fittings.
11. Install the SDHQ Power Steering Reservoir and Cap onto the Reservoir Mount. Secure the Reservoir using the 5/16" hardware.
12. Install the factory hoses to new SDHQ Power Steering Reservoir. The larger diameter pressure hose will slip over the larger diameter fitting. The smaller diameter return hose will slip over the smaller diameter fitting. Secure the hose with the factory hose clamp. Place the wiring harness from Step 3 onto the mounting stud.



13. Using the supplied power steering fluid, fill up the power steering reservoir to the internal fill line (machined ridge). With the power steering cap off, start your vehicle for (2) seconds and then turn off. Refill the reservoir. Repeat one more time. Start your vehicle and cycle the steering 3 – 5 times to get the air out of the lines and check for leaks. Refill the reservoir. Clean up any spilt fluid.
14. Take your truck out for a drive to get it up to operating temperatures and to finish removing the air out of the power steering lines. Refill the reservoir if needed. The fluid should be at the fill line at operating temperature. Check the reservoir after 50 miles. Enjoy your new SDHQ Power Steering Reservoir!

*****Double check all hardware is installed correctly and tight*****

*****Re-torque ALL bolts after 100 miles*****



1720 W Elliot Rd. Gilbert, AZ 85233
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