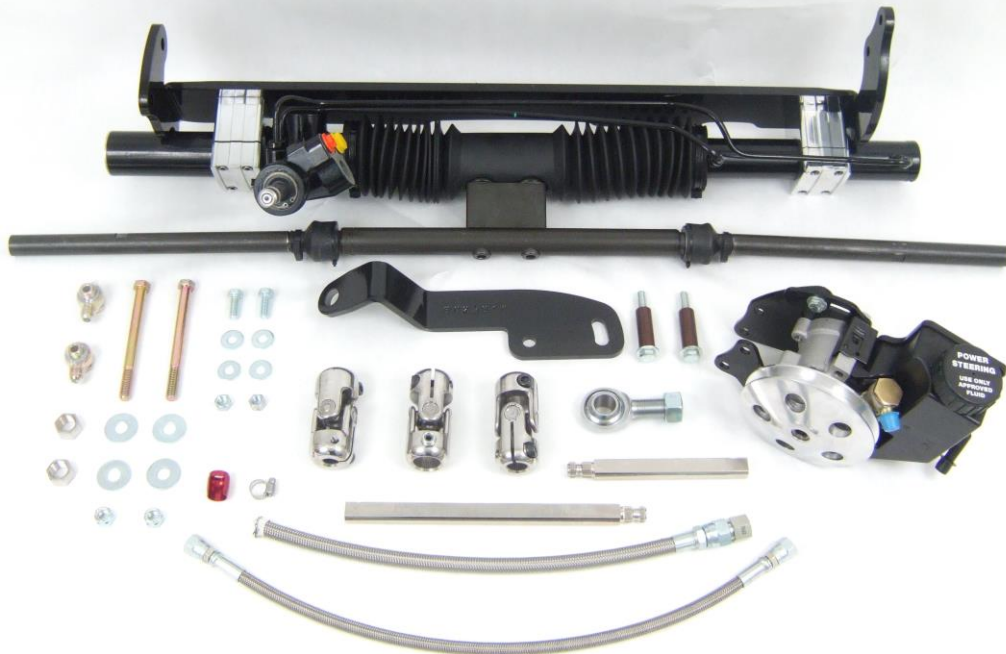




1970-81 CAMARO POWER RACK AND PINION INSTALLATION INSTRUCTION MANUAL

8010990-01, 8011000-01, 8011080-01, 8011090-01

Unisteer offers a limited warranty against all manufacturer defects of their kits and supplied parts. Unisteer will not honor any warranty on any parts that have been modified or improperly installed. Full refund will NOT be granted to any kits that are damaged, scratched, or altered in any fashion. Unisteer will not reimburse any labor money to the customer to change out the part even under a warranty repair.



Note: This particular installation used a big block Chevy with Headman Hustler 2-1/8" Headers.

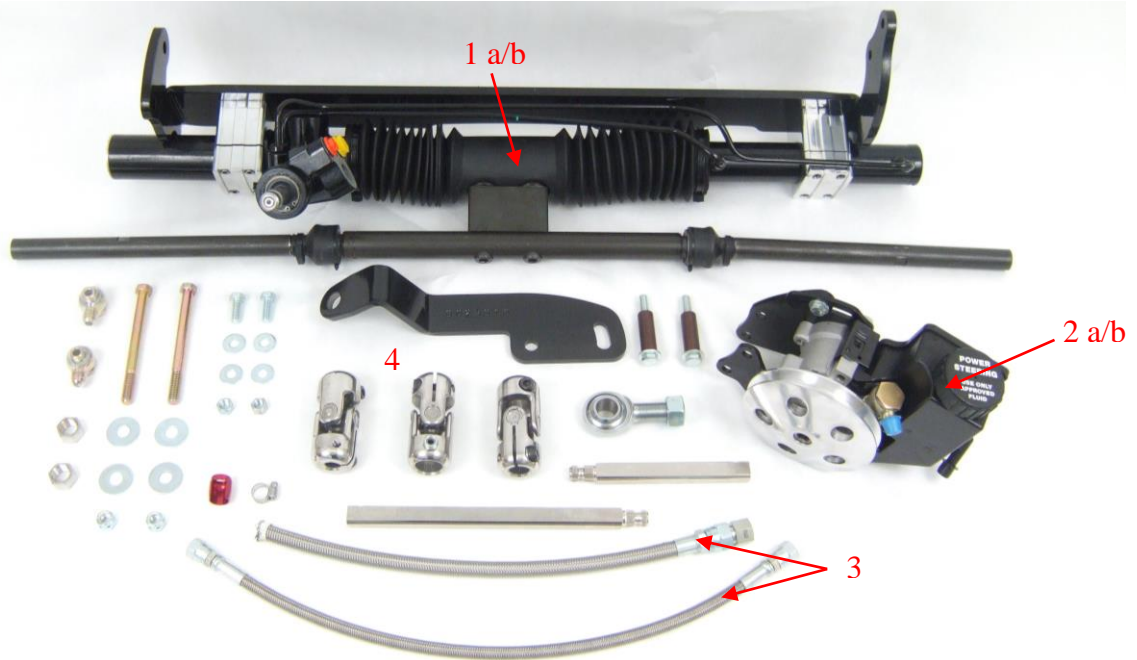
***USE ONLY POWER STEERING FLUID IN SYSTEM. DO NOT USE ATF.**

***ALTHOUGH THIS KIT IS FAIRLY SIMPLE TO INSTALL SOME MODIFICATIONS MAYBE NECESSARY TO YOUR VEHICLE.**

***BEFORE STARTING BE AWARE OF THE MODIFICATIONS NEEDED.**

***ALSO BE AWARE THAT THERE ARE APPLICATION/PROVISIONS NEEDED IN ORDER TO INSTALL. PLEASE READ ALL INSTRUCTIONS FIRST.**

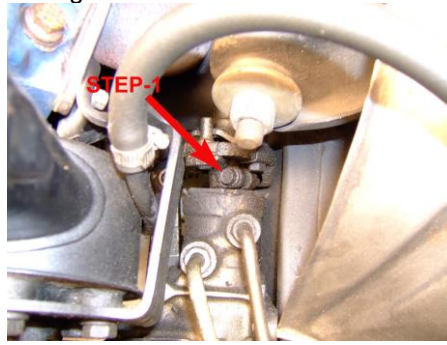
***DUE TO VARIABLES OUTSIDE OUR CONTROL THESE KITS MAY NOT FIT ALL APPLICATIONS. ALSO, PLEASE VERIFY KIT WILL FIT YOUR APPLICATION BEFORE ALTERING VEHICLE.**



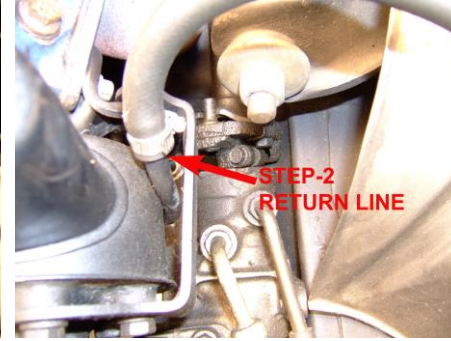
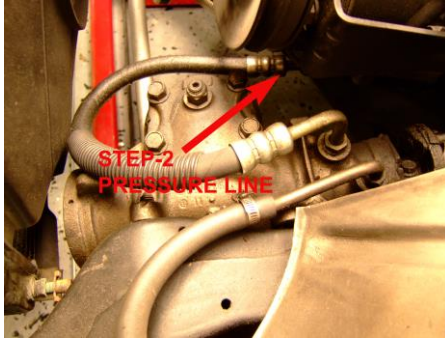
Kit Contents:

#	Part Number	Description	Kit Included In	Qty	Inspected By
1a	8010980	70'-74' Rack & Pinion	8010990, 8011000	1	
	--113890	- Inner Ends		2	
	--621060	- Rack Install Kit		1	
	----120400	--- 11/16" Jam Nut		2	
	----120410	--- 7/16"-14 Lock Nut		2	
	----120490	--- 3/8"-16 Lock Nut		2	
	----200850	--- 5/16" Flat Washer		4	
	----200860	--- 7/16" Flat Washer		4	
	----230810	--- 3/8"-16 x 1" HHCS		2	
	----231430	--- 7/16"-14 x 5" Hex Bolt		2	
	----621710	--- 16mm & 18mm Banjo Fitting Kit		1 ea	
1b	8011070	75'-81' Rack & Pinion	8011080, 8011090	1	
	--114640	- Inner Ends		2	
	--621060	- Rack Install Kit		1	
2a	8060510	BB LW Pump Kit	8011000, 8011090	1	
	--8020630	- V-Belt Pulley		1	
	--8060470	- C-5 Pump w/ Reservoir		1	
	--8021960	- BB Mounting Bracket		1	
	--8021950	- BB Stabilizer Bracket		1	
	--620770	- Pump Install Kit		1	
	----200840	--- 3/8" Lock Washer		1	
	----200850	--- 5/16" Flat Washer		2	
	----200880	--- 1/2" Flat Washer		1	
	----205990	--- Bracket Stand Off		1	
	----206070	--- Pump Stand Off		1	
	----230660	--- 3/8"-16 x 1" Bolt		1	
	----231510	--- 3/8"-16 x 4" Hex Bolt		1	
2b	8060550	SB LW Pump Kit	8010990, 8011080	1	
	--8020630	- V-Belt Pulley		1	
	--8060470	- C-5 Pump w/ Reservoir		1	
	--8022450	- SB Mounting Bracket		1	
	--8022440	- SB Stabilizer Bracket		1	
	--621230	- Pump Install Kit		1	
	----200850	--- 5/16" Flat Washer		2	
	----206190	--- Stand Off		2	
	----231270	--- 3/8"-16 x 3" Hex Bolt		2	
3	8022140	Line Kit	All	1	
4	8051780	Shaft Kit	All	1	
	--8023810	- Shaft Support Bracket		1	
	--8050250	- U-Joint 9/16"-30 x 3/4"-DD (Middle)		1	
	--8050350	- U-Joint 1"-48 x 9/16"-30 (Column)		1	
	--8050770	- Shaft Support w/ Nut		1	
	--8050880	- U-Joint 3/4"-36 x 3/4"-DD (Pinion)		1	
	--543100	- 6.5" DD Shaft		1	
	--544990	- 10 5/8" DD Shaft		1	

1. Raise hood and remove pinch bolt at shaft and gearbox connection.



2. Remove power steering pump and brackets from engine. Disconnect pressure and return line from pump.



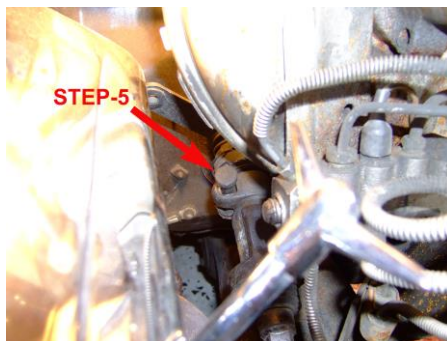
3. Raise vehicle and remove outer tie rod ends and cotter pins from steering arms. Remove idler arm assembly from passenger side of vehicle. Remove drag link from pitman arm.



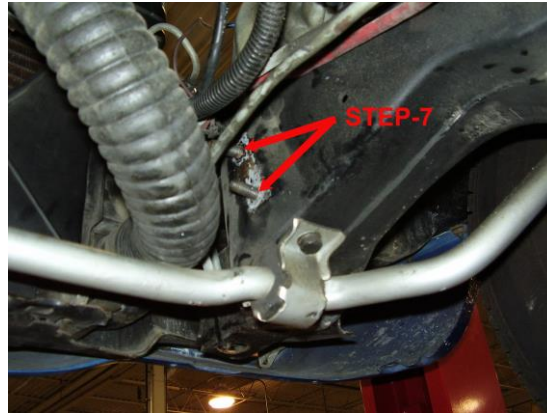
4. Remove stock steering linkage from the vehicle. Remove the 3 bolts on the outside of the driver side frame that hold the gearbox to the vehicle, then remove the entire gearbox. Note: this may require wiggling the box off of the steering shaft.



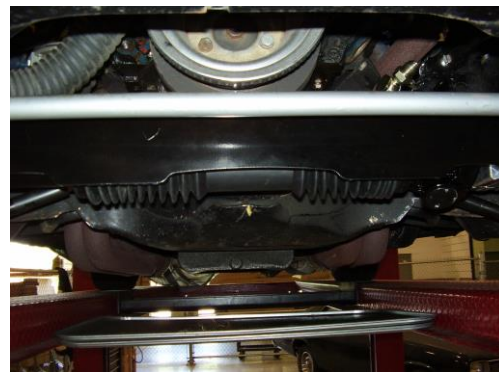
5. From under the hood, remove the pinch bolt at the top of the steering column. Slide the stock shaft off of the column.



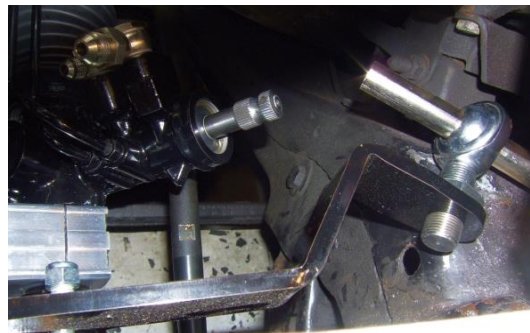
6. You are now ready to install the new system.
7. From under the vehicle, install the new rack and pinion assembly between the frame rails. The passenger side uses the supplied 3/8 hardware and bolts in the place where the idler arm used to be.



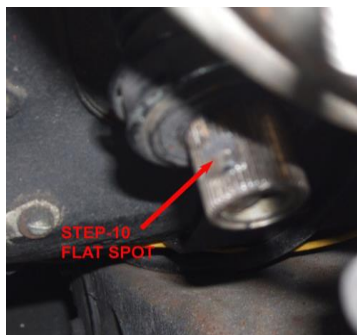
8. The driver side uses the supplied 7/16 hardware and uses 2 of the 3 mounting holes where the gearbox used to be. Once the rack is hanging in the car leave the hardware loose. Making sure the rack is in the center of the car and the pinion is also centered you can now install your steering shaft support bracket.



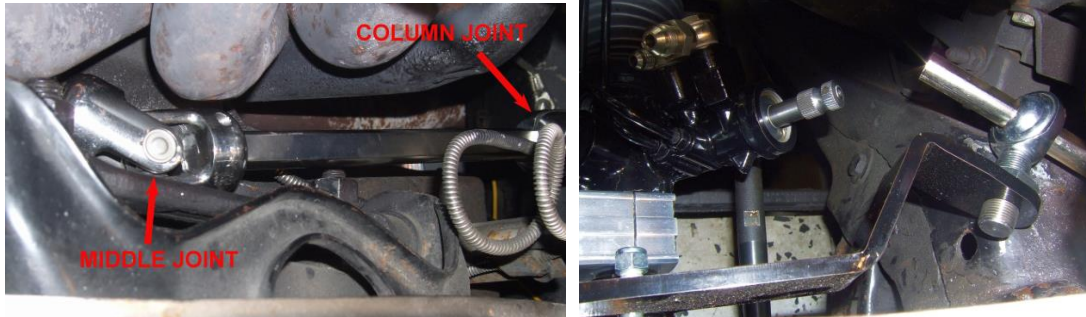
9. Install the heim joint by threading it into the hole and start with the joint about 1/2 way through the threads for adjustment. Slide the support bracket over the driver side mounting bolts and leave loose.



10. Install the upper u-joint onto the column shaft and paying attention to the flat surface of the shaft, place u-joint set screw over flat. Locktite the set screw and tighten to 25 ft lbs. Then tighten jamb nut.



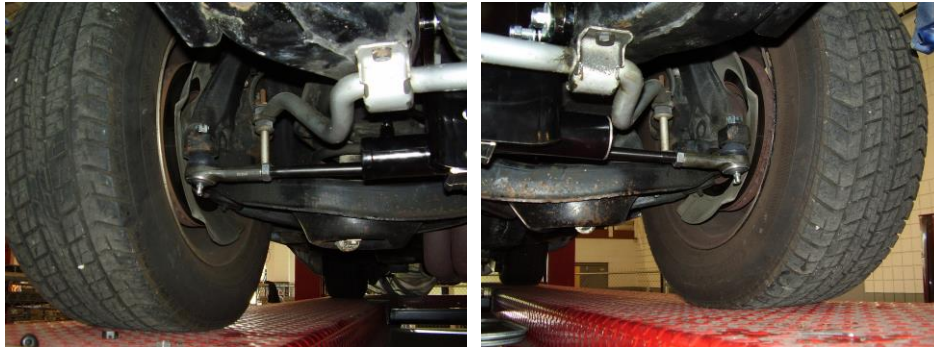
11. Next install the pinion joint onto rack and leave loose. Slide intermediate shaft through heim joint and into pinion u-joint. Install bolt and leave loose.
12. Install long primary shaft into column joint and into middle joint. It will be necessary to adjust the heim joint and tilt of the shaft support bracket to obtain clearance and correct adjustment of linkage.



13. Once you think you are close to your final adjustment tighten main mounting bracket bolts to 65 ft lbs. Make sure your adjustment for clearance has not changed, if it did you will need to adjust heim joint and shaft support to get proper alignment and clearance.
14. Pay special attention to your u-joint phasing the top and bottom joint need to be out of phase by 90 degrees or yokes need to be opposite of each other. Make sure your rack and pinion is centered and make sure your steering wheel is in the center position before connecting all the shafts together.

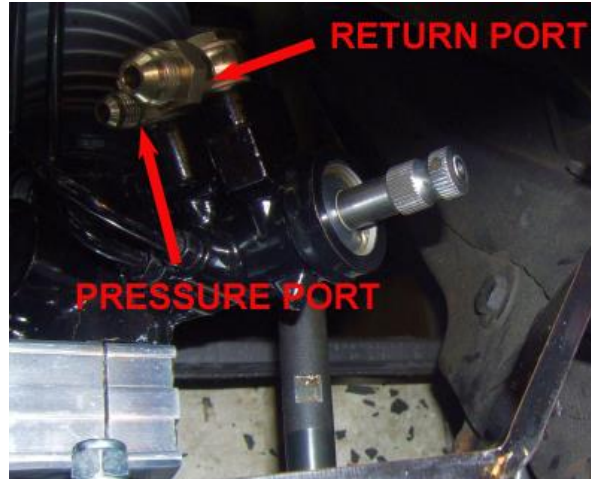


15. Once your adjustment is complete, install your old outer tie rod ends and torque to 30 ft lbs. Also install cotter pins.



16. Tighten all u-joint pinch bolts to 35 ft lbs.
17. Install the supplied brackets and hardware for the power steering pump assembly to the engine. Your pump has come pre assembled. The top of the bracket goes to the upper hole on the water pump and uses the supplied standoffs and the lower slot goes to the lower hole on the pump where your stock adjuster was. This will cover the install for big block versions.
18. The stabilizer bracket goes on to the driver side cylinder head accessory hole for big block models. Measure and purchase a new length belt to go around and drive your new pump assembly.
19. For small block set ups follow the supplied directions included with bracket kit to go through the install.

20. Once you have the pump mounted and the belt installed and tight. You may now connect your pressure and return line. The pressure line goes from the bottom port on the rack to the top port on the pump. The return line goes from the upper port on the rack to the slip on portion of the reservoir. Tighten all fittings to 30 ft lbs. Tighten hose clamp on reservoir.



21. Top off power steering fluid and start vehicle. Turn wheel back and forth to purge out any air in the system. Turn off vehicle and let sit for a while top off fluid and recheck.
22. Check your toe adjustment by trying to eye up how straight your tires are in the straight ahead position. Set your toe by turning your tie rods in or out as needed to position.
23. You will need your car aligned by a professional shop. The above adjustment is to get your car to the shop to get it aligned.

If you have any questions or problems regarding this product please contact:

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