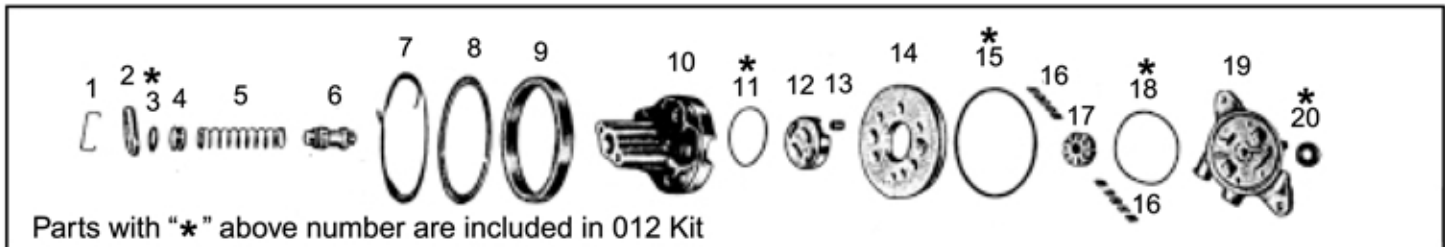




Power Steering Pump Kit

INSTRUCTIONS

Place a pan beneath the generator and the pump. Disconnect the hydraulic hoses. Remove upper and lower pump mounting bolts and remove pump from back of generator. Be sure work area is free of dirt.



Parts with "*" above number are included in 012 Kit

- | | | | |
|------------------------|---------------------------|-------------------------|--------------------------------------|
| 1. Cover Plate Spring | 6. Control Valve Assembly | 11. Pressure Plate Seal | 16. Rotor Vanes |
| 2. Cover Plate | 7. Filter Retainer Spring | 12. Pressure Plate | 17. Pump Rotor |
| 3. O-Ring | 8. Filter Retainer | 13. Alignment Sleeve | 18. Body Seal |
| 4. Plug | 9. Oil Filter | 14. Cam Ring | 19. Pump Body and Connector Assembly |
| 5. Flow Control Spring | 10. Pump Cover Assembly | 15. Reservoir Seal | 20. Drive Shaft Seal |

DISASSEMBLY

- Remove the bolts and the sealing washers at the back of the pump reservoir cover. You may have to apply some force to remove the cover because of the reservoir seal. Twisting and turning the cover may be necessary. DO NOT pry or hammer on the cover.
 - Remove the three bolts that hold cover assembly #10 to pump body #19. Lift cover assembly #10 and remove oil filter #9 and retaining ring #8. Be sure to take note of the position of alignment sleeve #13. Set aside cover assembly #10.
 - Remove cam ring #14 (Our 13574) by lifting it off of the alignment pins. Mark the cam ring and the pump body to insure proper alignment during reassembly. Remove O-ring #15. The pump rotor #17 (Our 13568) and the rotor vanes #16 (Our 13568) can now be lifted off the pump body. #14, #16, and #17 available in our kit 13526. #16 and #17 available in our kit 13566.
 - Remove O-ring #18 and generator drive seal #20 from the pump body.
 - Remove cover plate spring #1 and plate #2 from pump cover assembly #10. Plug #4 will pop out when the cover is removed. Remove O-ring #3 from the plug. Using a small punch, tap control valve #6 and pressure plate #12 from the bottom of cover assembly #10. Remove O-ring #11 from the inside of cover #10.
- the rounded edges of the vanes point outward. Now install pressure plate #12 on guide pins of the cam ring. Insert alignment sleeve #13 in the cam ring. It will fit snugly in only one hole.
 - Install new O-ring #11 and filter retainer #8 on pump cover #10. Lubricate the inside of the pump cover where O-ring #11 is seated. Place filter #9 in position on the cam ring. The pump cover can now be installed on the cam ring, aligning the bolt holes and sleeve #13. Install bolts and tighten.
 - Lubricate control valve #6 and slide it down inside the pump cover with the hex head pointing upward. Drop spring #5 into the pump body. Install the new O-ring #3 onto plug #4. Lubricate and install in the pump cover. While holding the plug down, slip cover plate #2 over the top of the plug and install spring #1.
 - Lubricate O-ring #15 and install the reservoir and two retaining bolts with new sealing washers. Lubricate seal #20.
 - Install the pump on the car aligning the generator drive shaft. DO NOT FORCE the pump. If it is properly aligned, it will slide together. Install the hoses. Fill the reservoir with automatic transmission fluid. Start the car and let the engine idle for a few minutes. Turn the wheels slowly from one side to the other to bleed the system.

Clean all of the parts that will be used again and wipe or blow them dry. Check all of the parts for excessive wear.

REASSEMBLY

- Press the new seal #20 into pump body #19. Install new O-ring #18 in pump body. Install O-ring #15 on cam ring #14. Place the cam ring on the pump body, sliding it down onto the alignment pins. The widest edge of the cam ring goes towards the pump body, and the bolt holes must be properly aligned.
- Dip rotor #17 in automatic transmission fluid and place the rotor in the cam ring with the rounded sides of the splines towards the generator drive seal. Also lubricate the rotor vanes #16 and slide them into the slots on the rotor making sure that

These installation instructions are based upon the original shop manual directions. These manuals are available through Danchuk Manufacturing.

1955 Shop Manual - #522
 1956 Shop Manual - #523*
 1957 Shop Manual - #523

* The 1955 Shop Manual should accompany the 1956 Shop Manual, because the 1956 Manual is a supplement covering only the changes made between those model years.