



# 8700

## Power Steering Fluid Exchange Machine



### NOTES:

- Use extreme safety measures when working with a running engine.
- Block drive wheels, ventilate exhaust.
- Always use safety glasses and wear gloves.
- This is a non-intrusive service – no lines or hoses connected/disconnected.
- Select correct service kit referring to #9933 application guide.
- **Do not allow air into the system. When engine is running, do not reduce reservoir level below the reservoir outlet hose; keep extraction hose at least one (1) inch above reservoir bottom.**

### PROCESS:

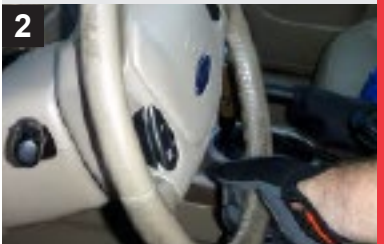
- A.     • Install a fresh container of Pre-Cleaner and Power Steering Fluid on the fluid exchanger by securing cap / in-feed tubes.
- Turn the black selector on the faceplate to point towards the Pre-Cleaner on the left.
- B.     • Attach exchanger's battery clips to vehicle's 12 volt battery terminals:
- First attach the red clip to positive "+" terminal, then the black clip to negative "-" terminal.
- C.     • Remove the power steering reservoir cap (and screen, if applicable).
- D.     • Insert the drain / fill hose into the power steering reservoir (use extension tubes if needed).
- E.     • With **ENGINE OFF**, completely empty reservoir by pressing the red button on the remote.



# 8700 Power Steering Fluid Exchange Machine (Continued)



- F.
- Refill reservoir with Pre-Cleaner by pressing the white button on the remote.
  - Start the engine.
    - Use extreme safety measures when working at a running engine.
    - Block drive wheels, ventilate exhaust.



G

- G.
- With steering tires straight ahead (see photos):
    1. Place hand on steering wheel at 12:00 o'clock position.
    2. Turn steering wheel right to 5:00 o'clock position.
    3. Turn left past 12:00 o'clock to 7:00 o'clock position.
    4. Turn right to 12:00 o'clock position.
  - Repeat three times.

- H.
- **To prevent air from entering the system and damaging the pump, avoid completely emptying reservoir (see Notes).**
  - Possible method; raise hose one (1) inch off reservoir bottom and hold at reservoir opening to maintain elevation, then remove fluid until air bubbles appear in hose.
  - Remove old fluid by pressing red light button on remote, release button when reservoir fluid level is one inch from bottom.

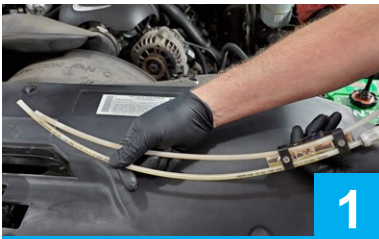




# 8700 Power Steering Fluid Exchange Machine (Continued)

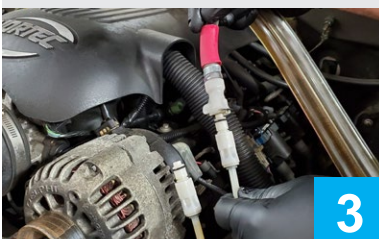
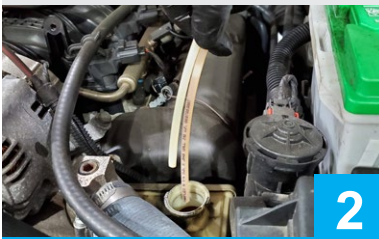


- I.
  - Turn the black selector on the faceplate to point towards the New Fluid on the right.
  - Fill reservoir with Fluid by pressing the white button on remote, release button when correct fluid level is reached.
  - Repeat wheel turning steps until fluid container is empty and reservoir is full:
  - With steering tires straight ahead (see photos above):
    1. Place hand on steering wheel at 12:00 o'clock.
    2. Turn steering wheel right to 5:00 o'clock.
    3. Turn left past 12:00 o'clock to 7:00 o'clock.
    4. Turn right to 12:00 o'clock.



## 8700 ALTERNATE METHOD USING PART #8710 SPRING CLIP WAND:

1. Adjust one hose on the #8710 Spring Clip Wand so it is about 2" shorter.
2. Insert both ends into the reservoir and hold in place with the spring clip
3. Connect the red Evac Hose end to the fitting that is higher (at the top of the fluid level)
4. Connect the Green Add Hose end to the fitting that is near the bottom of the fluid reservoir.





## 8700 ALTERNATE METHOD USING PART #8710 SPRING CLIP WAND: (Continued)

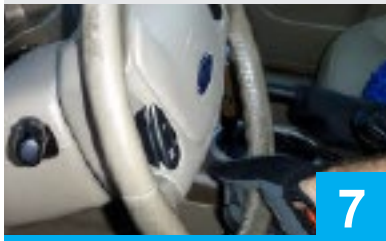
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5. Turn the fluid selector switch to Pre-Cleaner. With the engine off, press Evac Switch to remove old fluid.
  - a. Then refill by pressing Add Switch, do not over fill.



6. Start engine. Turn Steering Wheel to the 12:00 position.
  - a. Turn BOTH EVAC and ADD switches on. This will simultaneously add new fluid and evacuate old fluid.
  - b. While adding and evacuating fluids:**



7. Turn the steering wheel right from the 12:00 o'clock position to the 5:00 o'clock position.



8. Turn the steering wheel past the 12:00 o'clock position to the 7:00 o'clock position.



9. Turn right to the 12:00 o'clock position

10. Repeat until the New Fluid bottle is almost empty (leave about an inch of fluid in the bottle for topping off if needed).

11. Turn both switches off. Adjust fluid level. Disconnect machine.