Hydroboost Not Building Pressure

Tech Sheet



Notes:

1. Note: please read through all instructions prior to removing or installing any part. If you do not feel comfortable with the instructions or in your ability to install or modify your vehicle, please take to a reputable mechanic to have them perform the installation. BJ's Off-Road can not and will not determine your ability to install this kit, and the extent of our warranty and liability only cover the components of this kit, and do not cover improper installation, abuse, neglect, labor rates, etc. Contact us with any questions prior to installation.

If your hydroboost doesn't seem to build pressure, or has a spongy pedal when running and a firm pedal when the engine is off, you may have a blockage, leak or air in the system. If you have already gone through the rest of the brake system and verified there are no leaks or air in the system (after bleeding multiple times), then the issue may lie with your hydroboost unit. If so, we recommend checking the following:

1. Do NOT use Teflon Tape with this system. If you did, it could be that a piece of Teflon tape is jamming the valve (see attached pic below). If this is the case, clean and reinstall.



2. If that isn't the issue, you might check the pump out. If the power steering feels normal it's probably not an issue but if it's heavy then it may be the poppet valve is jammed so it never builds pressure. If so, you may need to replace your power steering pump.

3. It's possible that some contaminant in the power steering fluid is jamming the spool valve. If you have a single return pump reservoir that has a tee in the return line, you may want to install a Cardone (serviceable) 3/8" PS filter #MPP 991FLT4 below the tee on the steering gear side.

4. You will also need to clean the screen in the filter as it can plug up. Sometimes just adding a filter frees the valve.

5. You might try a technique used to free particles from jammed spool valves to see if it helps aerate the unit more completely. There is a chance this may work for you:

    a. Start the vehicle and check the power steering fluid.
    b. Idle the engine for 15 seconds.
    c. Rev the engine to 2200 rpm, while turning the steering wheel lock-to-lock 10 times.
    d. Rev the engine to 2200 rpm, while pumping the brakes hard to the floor 25 times.
    e. Rev the engine to 2200 rpm, while turning the steering wheel lock-to-lock 5 times.
    f. Rev the engine to 2000 rpm for 15 seconds.
    g. At idle, turn the steering wheel lock-to-lock 3 times without applying the brakes and with the transmission in park. If hard effort or binding is noticed, repeat steps 4-6.
    h. Road test the vehicle in the parking lot at speeds of 5-10 mph and lightly applying the brakes. Bring the vehicle to a complete stop to verify the operation of the brakes.

If that doesn't clear the issue, then most likely the unit needs torn down and cleaned which we can't provide tech on due to liability, but our builder can rebuild them (contact for pricing).