



05: With a socket and ratchet, remove the adjusting nut. I always like to count the number of turns it takes to remove the nut. This way I have some idea where it should be when it comes time for reassembly.

06: The valve to adapter bolts can now be removed. This will allow you to remove the valve housing and spool.

07: Now carefully remove the spool from the housing.

08: Next you remove the spring, o-ring, valve reaction spool, spring thrust washer, valve spring, spring retainer, annulus seal, annulus spacer gasket and valve shaft washer from the adapter. It is a good idea to place them on a clean paper towel in the order that they were removed. This way there is less of a chance for a mistake when reassembly is started and you will also be able to see exactly what parts you are replacing.

09: Carefully turn the adjuster plug out of the adapter sleeve. It is very important that you do not knick the top surface.

10: Turn the adapter upside down. This will allow the spring and one of the two ball seats to fall out into your hand.

11: Now remove the ball stud, the other ball seat and the ball stud boot. With these removed the sleeve will slide out of the adapter. Wash all of the removed parts in a non-toxic solvent and thoroughly dry. Now carefully inspect all parts for damage, such as scratches, burrs, distortion, or excessive wear. Replace any damaged parts now before reassembly. If you find any parts that need to be replaced, contact Zip Corvette Parts. They will be able to help.

12: With your inspection done and all of the parts cleaned you are ready to begin reassembly. Start by replacing the sleeve and the ball seat into the adapter. Now install the ball stud and the other ball stud seat. The ball seat spring is next (small coil down). Put the adapter into a vise and place the shaft through the seat in the adjuster plug. Screw the adjuster plug into the sleeve. Turn the plug until tight, then back off until the slot lines line up with the notches in the sleeve.

13: Insert the plug to sleeve key. Be sure the small tangs on the end of the key fit into the notches in the sleeve.



14: Install the valve shaft washer, gasket, annulus spacer, the reaction (annulus) seal (lip up), spring retainer, reaction spring (valve spring), valve reaction spool, spring thrust washer, and valve adjustment spring. Be sure to install the o-ring seal on the spool before installing the spool on the shaft. Also, install the washer with the chamfer up.

15: Now install the Vee Block seal onto the valve spool lip down.

16: Carefully install the spool into the housing. DO NOT jam the spool into the housing.

17: Place the housing and spool onto the adapter. The side ports should be on the same side as the ball stud. Bolt the housing to the adapter. Depress the valve spool, install the adjusting lock nut onto the shaft, and turn it onto the shaft the number of turns that it took to take it off originally. If you do not remember, start with four turns.

18: Now tape off all of the steering hose ports and ball stud and refinish the whole valve in Eastwood's Under Hood Black. This will give it a brand new look.

19: Install the ball stud boot and re-install the dust cover, but do not tap it down fully. Once installed on the car you may have to remove it to adjust the valve. Install the control valve onto the drag link so that the control valve bottoms. Then back off enough (if necessary) to install the clamping bolt. Tighten the control valve clamping bolt and assemble the ball stud to the Pitman Arm. Torque to specs. Fill and bleed the system. Then balance the valve.

20: BALANCING THE CONTROL VALVE: The control valve must be adjusted after being dissembled as outlined in the following procedure: Balancing Instructions

CONTROL CYLINDER: To remove the piston rod seal, start by removing the snap ring. Then pull out the rod until it stops.

21: Now remove the backup lock nut, backup washer, piston rod scraper and piston rod seal.

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<form> Image: State Stat</form>		47: It is very important that the power steering hoses are routed properly. Hoses installed out of position can cause pressure losses and increases and they can also be subject to chafing and other abuses during turns. Always make hose installation with the front wheels pointed straight ahead. Never twist hose to make them fit. Here is the proper routing for the mid-seventies Corvettes. 48: This is our power steering system completely rebuilt and ready to install. Ready to run and no more drips.
Pursual Pursual Pursual Pursual Pursual Pursual Pursual Pursual Pursual <th></th> <th>How To Rebuild Your 1963-1982 Corvette's Power Steering Source: Zip Corvette Parts 8067 Fast Lane Mechanicsville, VA 23111 (800) 962-9632</th>		How To Rebuild Your 1963-1982 Corvette's Power Steering Source: Zip Corvette Parts 8067 Fast Lane Mechanicsville, VA 23111 (800) 962-9632
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