

K870008 (RH) Delco Rebuild Kit

Delay Style Height Control Valves Only



Mounting Bracket (Cover)

1. After the Valve is removed from the vehicle remove the Mounting Bracket from the old Valve by removing the four screws. Clean to remove dirt and debris from Bracket especially the top and bottom surfaces around the 4-hole pattern which will mount to the Valve.
2. Remove the four Phillips head screws from the new Valve, but keep the black gasket in place covering the Valve cavity.
3. Place the cleaned mounting bracket onto the Valve so that the hole pattern matches the holes in the black gasket and the Valve body. The bracket should only fit one way onto the new part. Start one screw into the hole by itself at the end of the pattern (see sketch). Do not tighten any screws until all four are started in the part. Start a second screw into the hole opposite the first. Then start the third and fourth screws.
4. Tighten the four screws by alternating the sequence 1, 2, 3 and then 4 as shown in attached photo. Tighten to 15-20 in. lbs. (See photos on last page)

Control Arm

1. Before removing the Arm from the old Valve use a pencil or a scribe to mark the Arm where the "white" plastic body contacts the Arm.
2. Now remove the Arm from the old Valve. Clean to remove dirt and debris from both sides of the Arm but try not to completely remove the marks made in step one.
3. Mount the Arm onto the "black" plastic body so that the threaded Stud and black pin go thru the holes in the Arm. Remove the Locknut from the bag and while holding the black plastic body in your hand tighten the Locknut onto the Stud. Just before the Arm becomes tight look at the marks on the Arm and line them up with the sides of the black plastic body. Continue to tighten the Locknut onto the Stud. Tighten to 70-80 in/lbs.
4. Remove the black rubber plug and green clip from the bag. Insert the Plug into the hole in the end of the black body. Place one side of the Green Clip onto the Plug while pushing the other end over the black pin. Use a 3/8" socket to push the Clip down firmly over the pin until the clip contacts the Arm.

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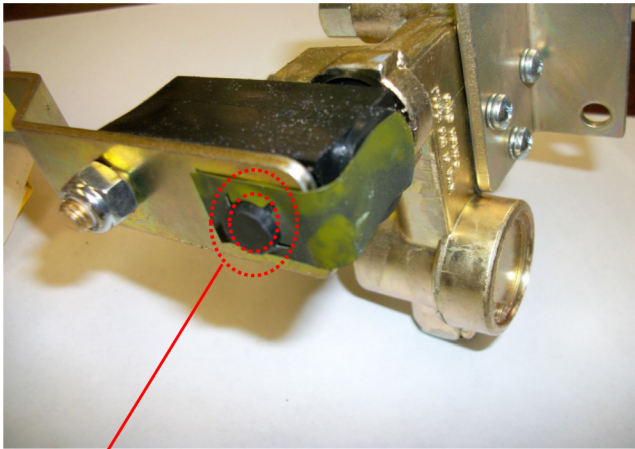
Air Fittings

1. The Valve has two compression fittings for the Intake and Air Shock tubing.
 1. The Valve Body is supplied with compression fittings for 1/8" Tubing. It is ready for installation of tubing. Make sure the tubing is clean and the end is cut square. Insert Tubing until firmly seated into the fitting.
 2. Hand tighten Nut. Mark the Nut and Fitting Body. Use wrenches to tighten an additional 3/4 of turn. Be careful not to over tighten the fittings. It is better to under tighten and tighten again if needed. Over tightening could permanently damage the Valve fittings.
 3. If your Valve uses a different type or size of fitting we suggest replacing these with new parts from your local auto parts store.



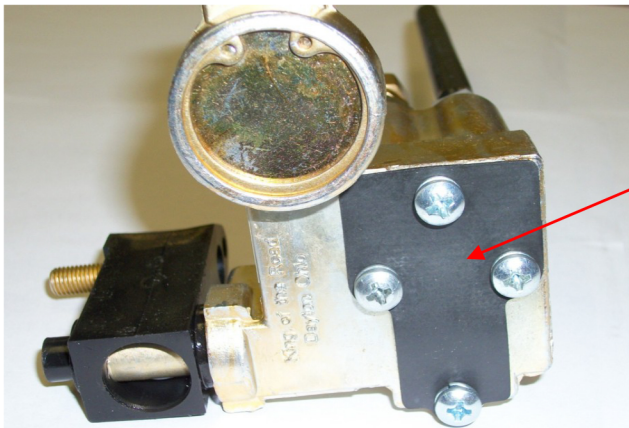
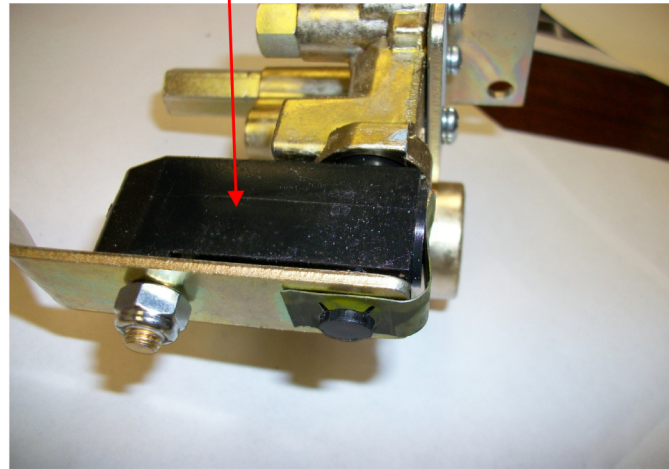
4. After Valve assembly is complete, check the system for leaks and correct as necessary.
5. Your Valve's ride height adjustment should be fairly close to where the old valve was but you may need to do a final adjustment of the Arm's location on the vehicle. See the Vehicles ride height specification determined by Cadillac and [follow the Cadillac procedures](#).
6. If height adjustment is required the Valve is adjusted by loosening the Locknut on the Control Arm, holding the Valve by the black plastic body and moving the Arm up (higher), or down (lower) as needed to meet the Cadillac specification.

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Note Green Clip is installed after the Control Arm and the Black Rubber Plug are assembled. Make sure Clip is seated tightly against Arm. A 3/8" socket can be used over the post to press Clip down against the Arm.

Note that this plastic body was White on the earlier valves but is the same part.



Keep Gasket in place after screws are removed. Avoid dirt and debris from entering the Valve body.

Start screws a few turns through the Mounting Bracket and Gasket before tightening. Torque screws in the sequence shown.

