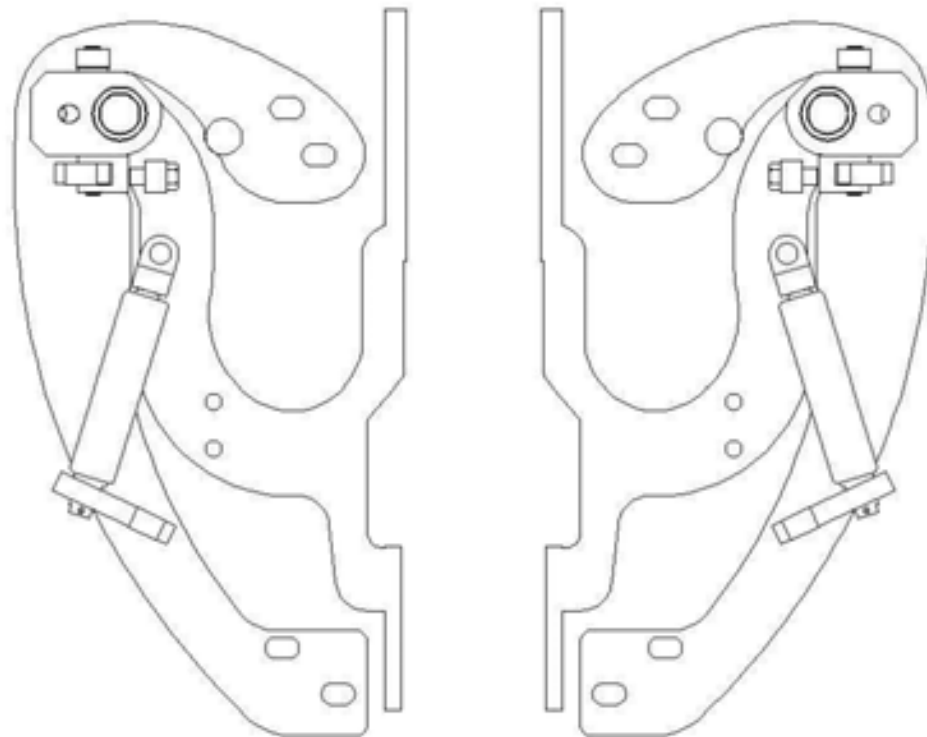




IMPALA

2000-2005

US PATENT #6,808,223 & #6,845,547



THIS KIT INCLUDES:

- 16 M8-1.25X30MM BOLTS WITH WASHERS
- 2 SHOULDER BOLTS WITH WASHERS
- WIRE LOOM
- RIGHT AND LEFT HINGE ASSEMBLY
- 2 SHOCKS 660 PSI
- 2 PINS



TOOLS REQUIRED FOR INSTALLATION:

- Spacers
- Locktite red
- Cutters
- Air ratchet, grinder and cutter
- Blue painters tape
- Screw Drivers Fork and Phillips
- 10mm, 11mm, 13mm socket and extension
- 1/4, and 3/16 Allen wrench

(Note: The pictures on the manual are for reference only they may not match your vehicle.)

1) Disconnect the battery.

2) Remove the head lights:

To remove the head light, pull straight up on the (2) plastic clips this will release the head lights. After the head lights have been released disconnect the wire harness and set the head light aside in a safe place.



3) Remove Hood:

In order to remove the fender you will have to remove the hood. Remove the (2) top 13mm bolts (on each side) from the hood and remove the shocks. Have your assistant help you put the hood in a safe place.

4) Remove fender:

Remove all fasteners from the wheel well.



On the skirt, remove one plastic clip this will release the front end of the skirt enough to pull on it, to gain access to (2) 10mm bolts.



Use the headlight hole to gain access to (2) 11mm bolts securing the fender to the bumper, this will allow you to pull on the bumper to remove (1) 10mm bolt securing the fender to the body.



Pull on the wheel well and remove the plastic or foam cover located by the factory hinges. Use a 10mm socket to remove (1) 10mm bolt.



Remove (3) 10mm bolts and (2) 13mm bolts. At this point you will be able to remove the fender.

5) Modify fire wall:

In order for your new Vertical Doors Inc. system to fit properly you will have to modify the fire wall. Cut the factory fender support bracket and grind the extruding piece of metal from the hood support.



6) Close door and use painter's tape to secure the door in preparation for factory hinge removal.



Use a 13mm socket to remove the factory hinges.

Hint (You can make your spacer out of paint sticks and about 8-10 turns of blue painters tape)*

7) Install new Vertical Doors Inc. system:

Make sure the VDI system is flat against the fire wall.

Hint Tighten the bolts on the door first and then install the bolts on the body.*



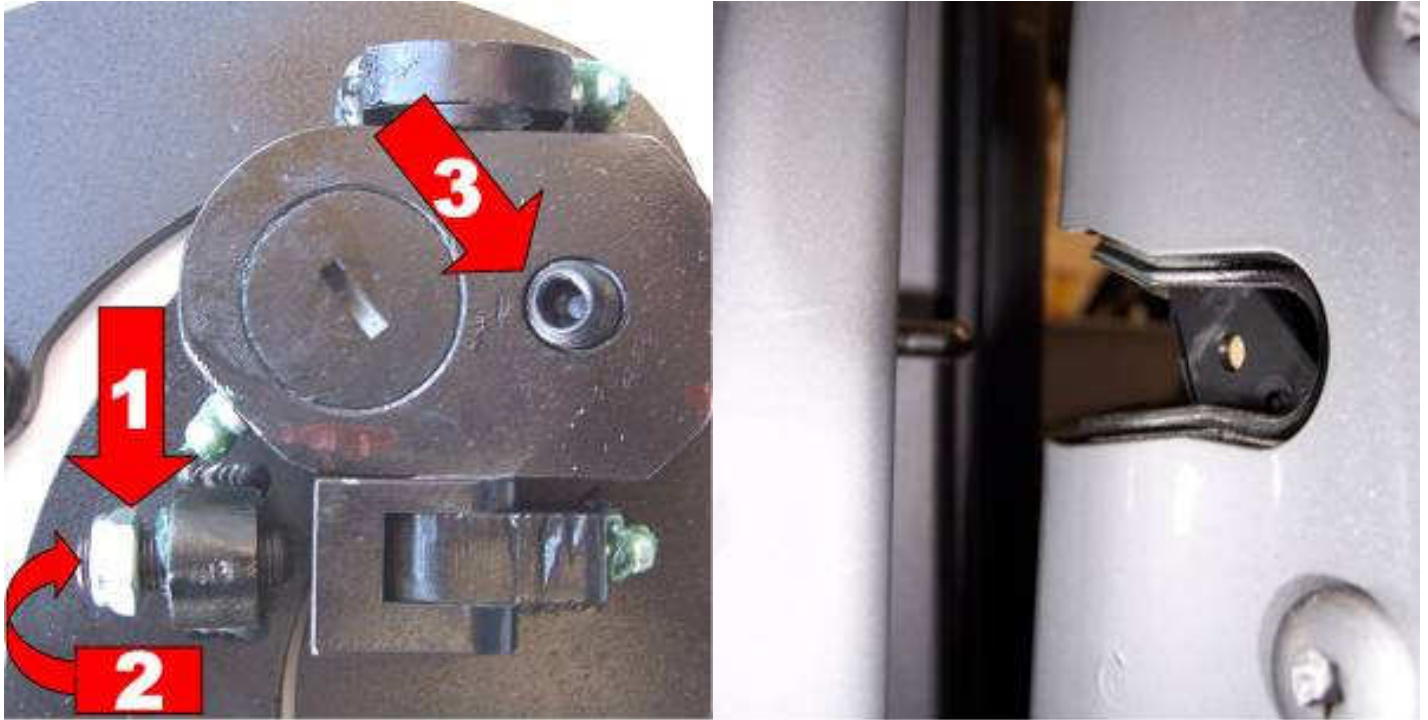
***IMPORTANT STEP: DO NOT SKIP THIS STEP. THIS STEP IS CRUCIAL IN YOUR INSTALLATION PROCESS, IF THIS STEP IS NOT COMPLETED WHEN INSTALLING THE VERTICAL DOOR KIT; ALL WARRANTIES ARE VOIDED, AND MAY CAUSE FUTURE PROBLEMS WITH YOUR VERTICAL DOOR SYSTEM.**

ON FIGURE 5, make sure you put red Loctite, where the arrow is pointing, on thread of shoulder bolt.

ON FIGURE 6, make sure you put grease on the body of shoulder bolt where the arrow is pointing.

ON FIGURE 7, make sure you put grease on the bottom side of the shock end.

8) Once hinge is locked in place, break nut #1 then turn Allen set screw #2 on fig until it hits the block then open the door and continue to adjust until the door matches with the striker, open and close door making sure it closes like factory.



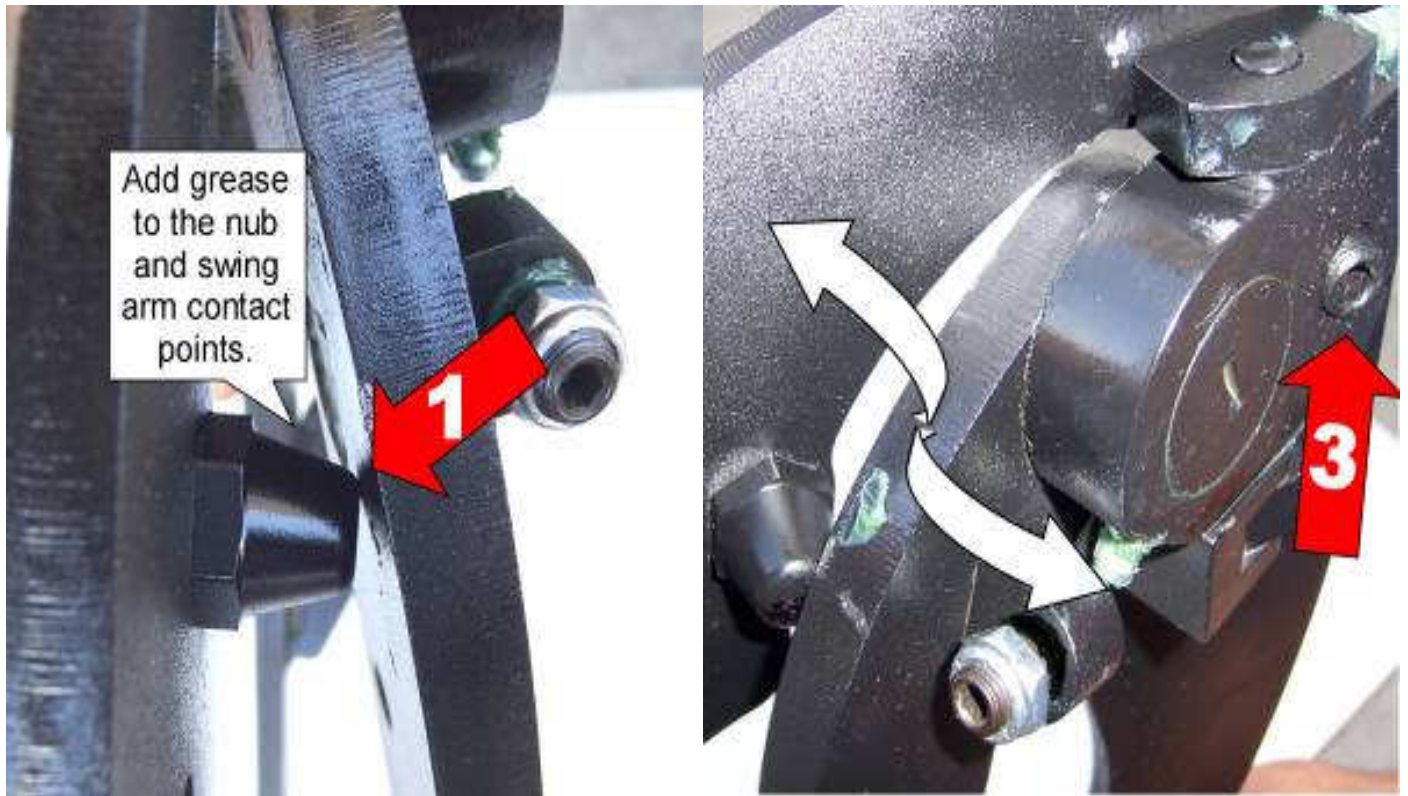
Hint(leave #1 nut loose until shock is installed Allen set screw will have to be re-adjusted after shock is installed.*

9) Install the shock.



Hint (You will need a helper to raise the door). (Slip the spherical rod mount into the spherical ball bearing. Using a 1/4 Allen wrench, tighten the screw into the swing arm. After the shock is installed secure it by installing the pin in the bottom shock end.)*

10) After shock is installed lift the door. Adjust door opening screw #3 clockwise until distance between nub and swing arm is enough so that the swing arm moves up and down freely.



Hint (Fine tune the Allen set screw (#2) to realigned striker with door. After the door is aligned, test door by opening and closing, lifting and lowering door several times.*



Note: Do not install fender until the adjustment of the door is accurate, and the set screw is tightly secure. Also make sure everything is tight, adjustment is set and everything is Locktite.

11) Modify factory wire loom:

In order to be able to open and raise the door, cut the factory wire loom in half and add included wire loom to protect exposed wires.



12) Cut the inner lip of your fender to make room for the new Vertical Doors hinge. Note: After you have cut the fender use a sander or grinder and make sure the surface is completely flat.



13) Lift the door and Replace the fender by reversing steps 2, 3, and 4.

Hint(Make sure the electrical wires don't get pinched enough to damage wires)*

14) Use a grinder or sander to grind the side molding to allow the door to open properly.

Note: You will only need to shave a very small piece of molding.



15) For the other side just follow steps 2-14, except for a few changes.

You will have to disconnect the windshield water reservoir in order to remove the passenger's side fender.



**Thank you for your purchase of the
IMPALA 2000-2005
Vertical Doors Inc. system
Simply uplifting**