

VERTICAL DOORS, INC.

VerticalDoors.com

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BMW 6 SERIES 2003-2010

U.S. PATENTS

#6,808,223; #6,845,547; #7,140,075; #7,059,655

PATENTS AGGRESSIVELY ENFORCED!

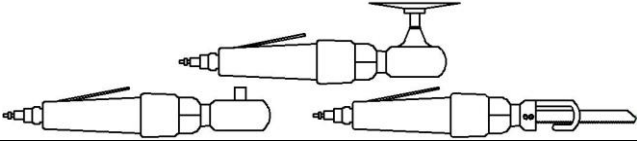

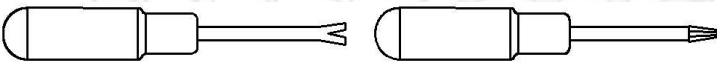


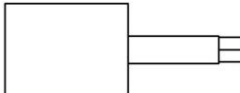
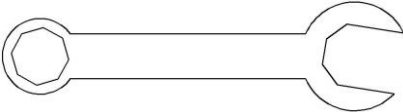
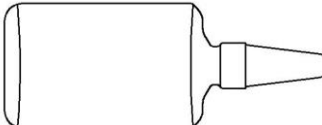
**PLEASE CAREFULLY READ ALL INSTRUCTIONS BEFORE
ATTEMPTING TO INSTALL THIS PRODUCT.**

**FOR QUESTIONS PLEASE
CONTACT US AT (951) 273-1069**

THIS KIT INCLUDES:

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

TOOLS REQUIRED FOR INSTALLATION:

	<ul style="list-style-type: none"> ➤ AIR RACHET, GRINDER AND CUTTER.
	<ul style="list-style-type: none"> ➤ 7MM, 8MM, 10MM, 11MM, 13MM, SOCKETS AND EXTENSION.
	<ul style="list-style-type: none"> ➤ FORK AND PHILLIP'S SCREW DRIVERS
	<ul style="list-style-type: none"> ➤ SPACERS FOR THE DOOR GAP.
	<ul style="list-style-type: none"> ➤ 3/16 ALLEN WRENCH
	<ul style="list-style-type: none"> ➤ 1/4 TORX BIT
	<ul style="list-style-type: none"> ➤ 9/16 WRENCH
	<ul style="list-style-type: none"> ➤ LOCKTITE RED

***OTHER TOOLS MAY BE NEEDED DEPENDING ON YOUR VEHICLE.
“Installers with experience recommended”***

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

Open the truck and disconnect the battery



Open the door and remove the kick plate as shown



Use a fork screw driver to pull up on the interior plastic cover (Pic 1)
After removing the interior plastic cover remove the silicone strip
attaching the wires to the kick plate as shown (Pic 2)
Pull back on the weather strip and set it to the side (Pic 3)
Use the fork screw driver to pry the kick plate as shown (Pic 3)
Set the kick plate to the side inside the car (between the seat and
body)

Remove fender

Remove all Phillip's screws or fasteners from the wheel well.



Open the hood and remove all the bolts from the top of the fender.



After removing the all fasteners around the wheel well pull back on the mud guard and you should be able to remove 3 bolts securing the fender to the bumper after removing the first 2 pull back to gain access to the 3rd bolt.



To remove the fender, you will need to remove all the screws securing the side skirt to the body.



Remove the fasteners for the front of the side skirt



With the kick plate removed you can now remove the push in plugs that secure the side

skirt to the body of the vehicle. Once all the plugs and fasteners are removed you will be able to remove the side skirt.



Once the side skirt is off the vehicle you will need to remove the two nuts and plastic bracket securing the bottom of the fender to the body.



Open the door and remove 2 screws securing the fender to the body.



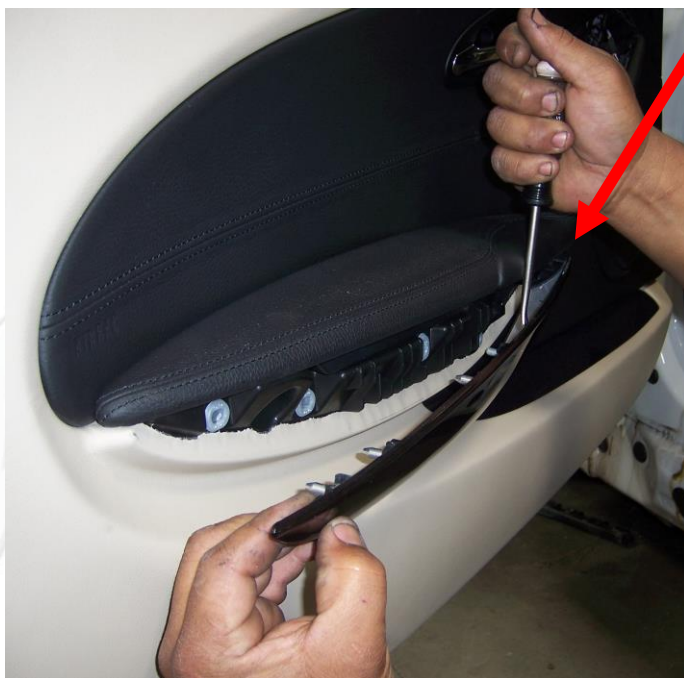
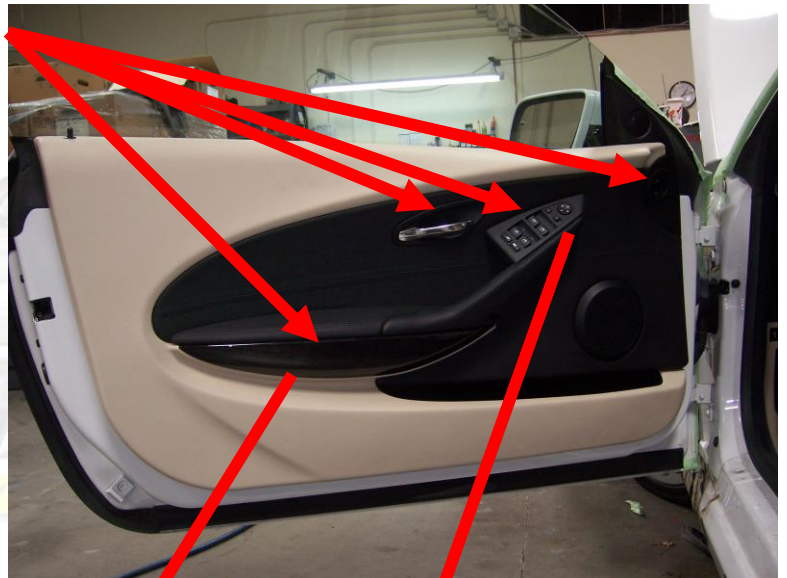
Use a star screw driver to remove 1 bolt securing the fender to the body.



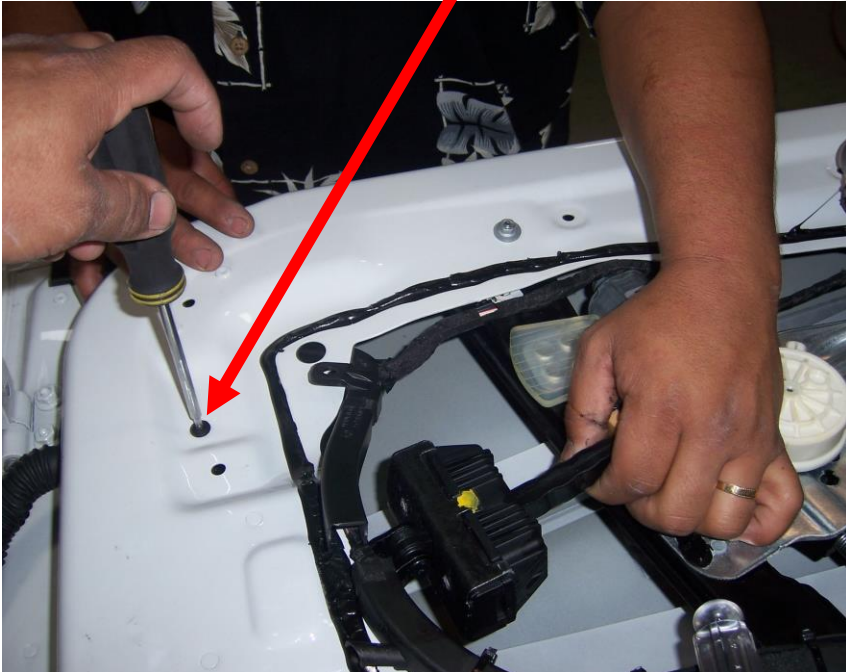
Now you should be able to remove the fender from the body but first you will need to unplug the side marker lights from the fender as shown.



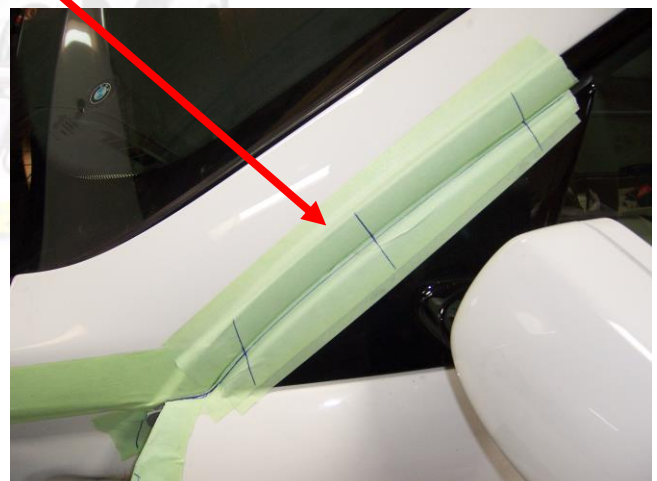
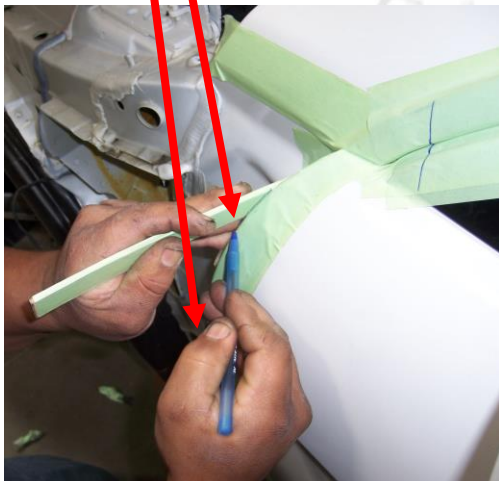
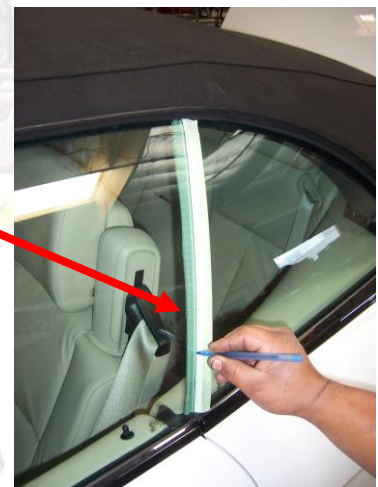
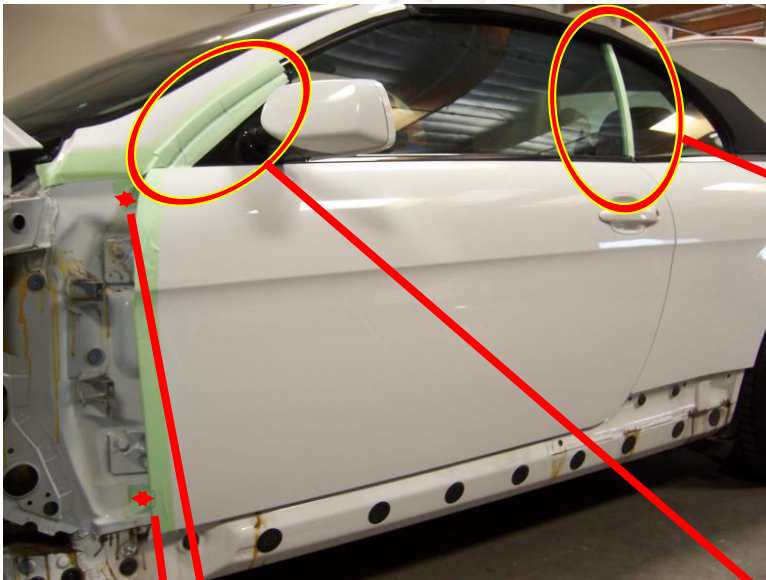
You will need to remove the door panel cover. Remove all plugs bolts and screws as shown. Make sure to disconnect the speaker and any other accessory attached to the door.



Remove the door catch. After removing all the bolts from the door catch assembly you will need to remove 1 screw for the door as shown to release the door catch.



After removing the fender use painters tape to mark the factory door location on the vertical, horizontal and how far is the edge of the door is to the body by the bottom and top hinges as shown.



At this point you can unplug the wire harness from the door. Use 2" painters tape to secure the door to the body and remove the factory hinges.

Make sure to have your partner help you remove the painters tape and door from the vehicle after removing the factory hinges.



Set the door on a secure location and remove the factory hinges from the door and install the new VDI bracket as shown, using the factory nuts.

You will need some wire slack for the VDI kit to work properly. Pull back on the inner door cover and remove the clips securing the wires to the door you will also have to cut a piece of the wire guide as shown.



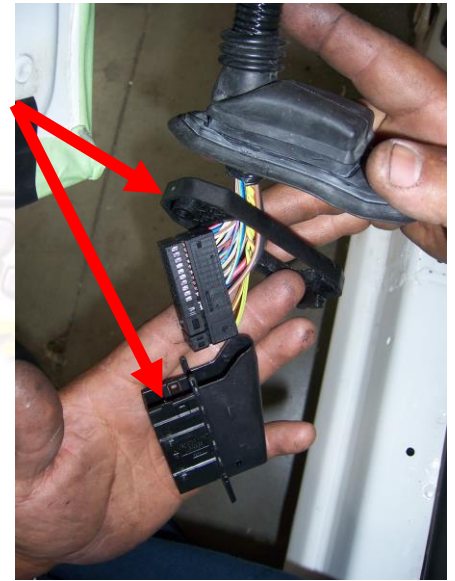
The picture on the left is an example of how much wire slack you will need. After gaining the wire slack make sure to secure the wire to the door using zip ties.

Your wires should look like the picture on the right after you are done.

Attach the second half of the VDI hinge to the door bracket as shown.

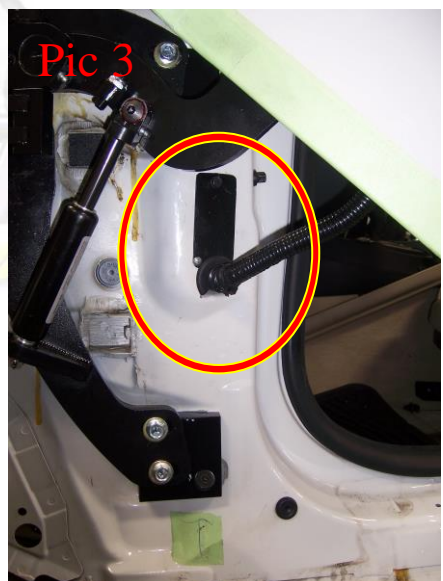


You will need to take apart the wire harness assembly and remove 2 items from it



You will need to remove the top fender support from the body. The best way use a drill to drill out the 2 tack points.

You will need to make the wire opening on the door a little bigger about a total of 3-1/2 inches as shown (pic 1) place on the included grommets between the provided plate and wire as shown (pic 3) this will protect the wires from damage



Before you can reinstall the door you will need to install the provided spacers as shown.

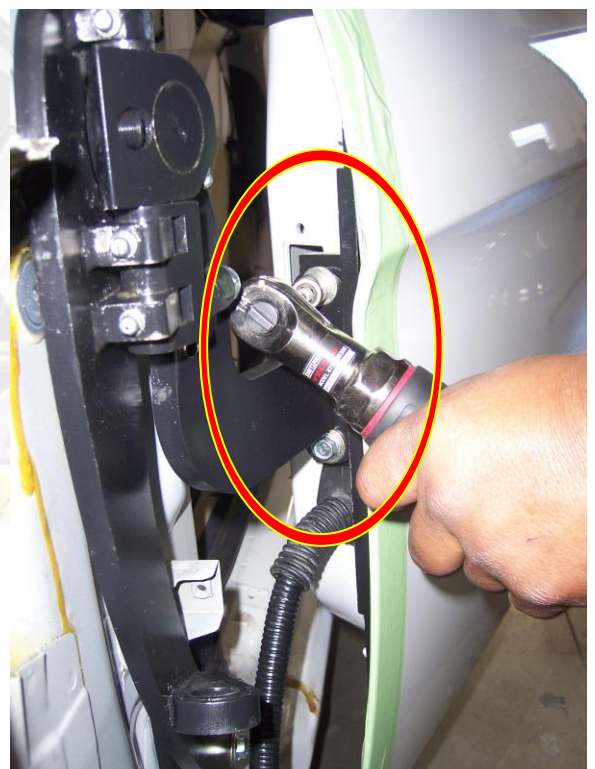
You will need to cut and bend a small part of the apron as shown.

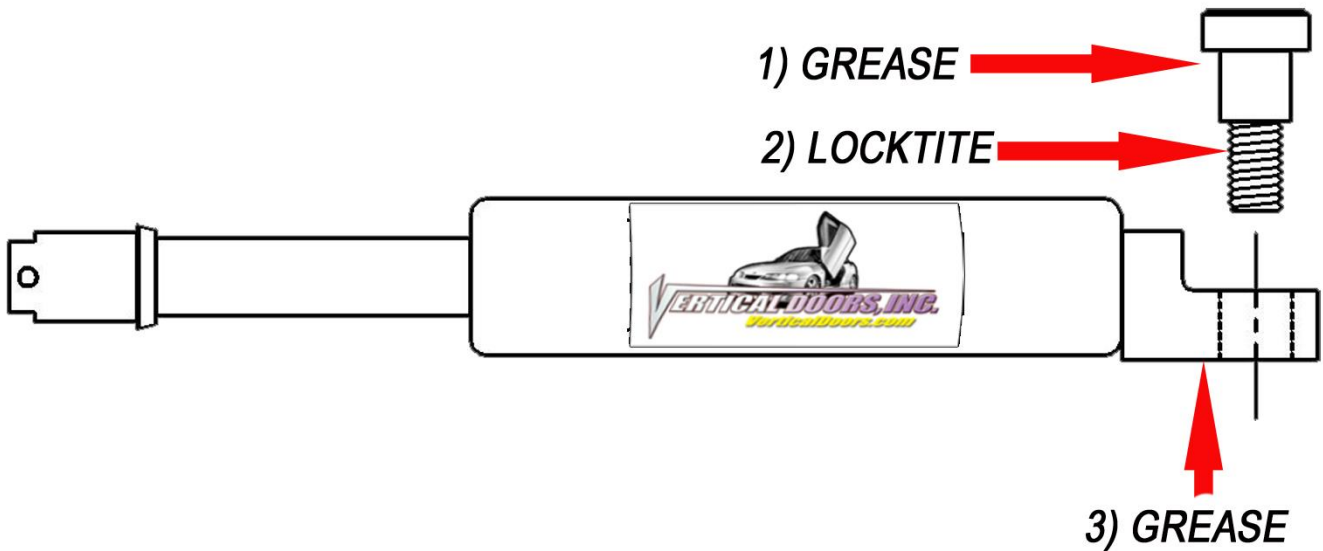


Once you have reinstalled the door make sure all the factory mark align perfectly.

To adjust how far the door sticks out from the fender you will need to loosen the bolts between the door bracket and the hinge as shown.

Note: All marks have to match the factory door location to achieve a proper installation.





****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.***

1ST, make sure you put grease on the body of shoulder bolt where the arrow is pointing.

2ND, make sure you put red Loctite, where the arrow is pointing, on thread of shoulder bolt.

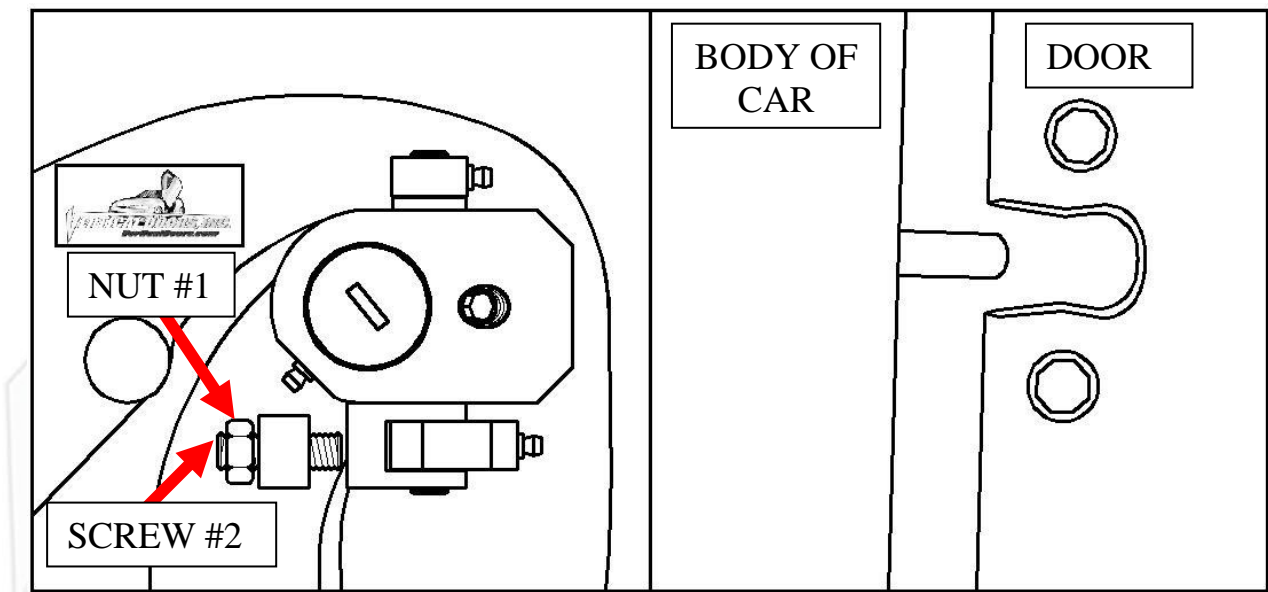
3RD, make sure you put grease on the bottom side of the shock end.



WARNING! THE USE OF ANY TYPE PLYERS, PAINT OR FOREING MATERIALS ON THE SHOCK'S BODY OR SHAFT WILL VOID THE WARRANTY.

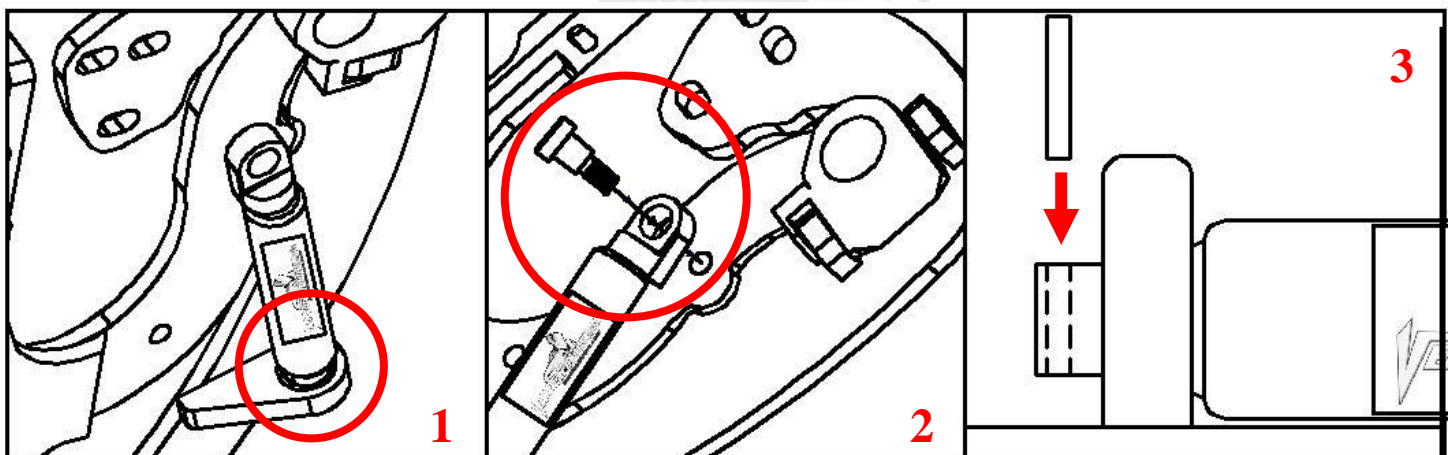
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Once hinge is locked in place, break nut #1 then turn Allen set screw #2 on fig until it hits the block then open the door and continue to adjust until the door matches with the striker, open and close door making sure it closes like factory.



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

Install the shock.

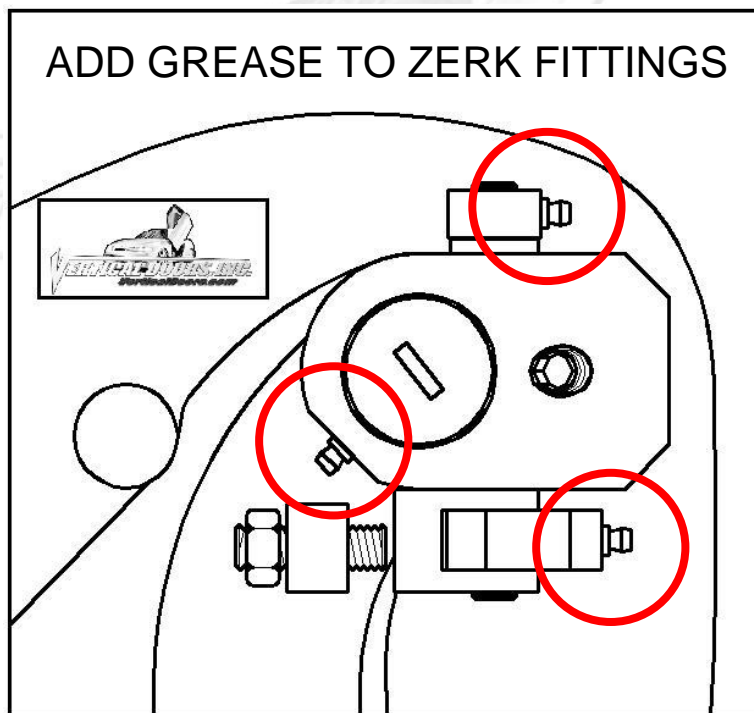
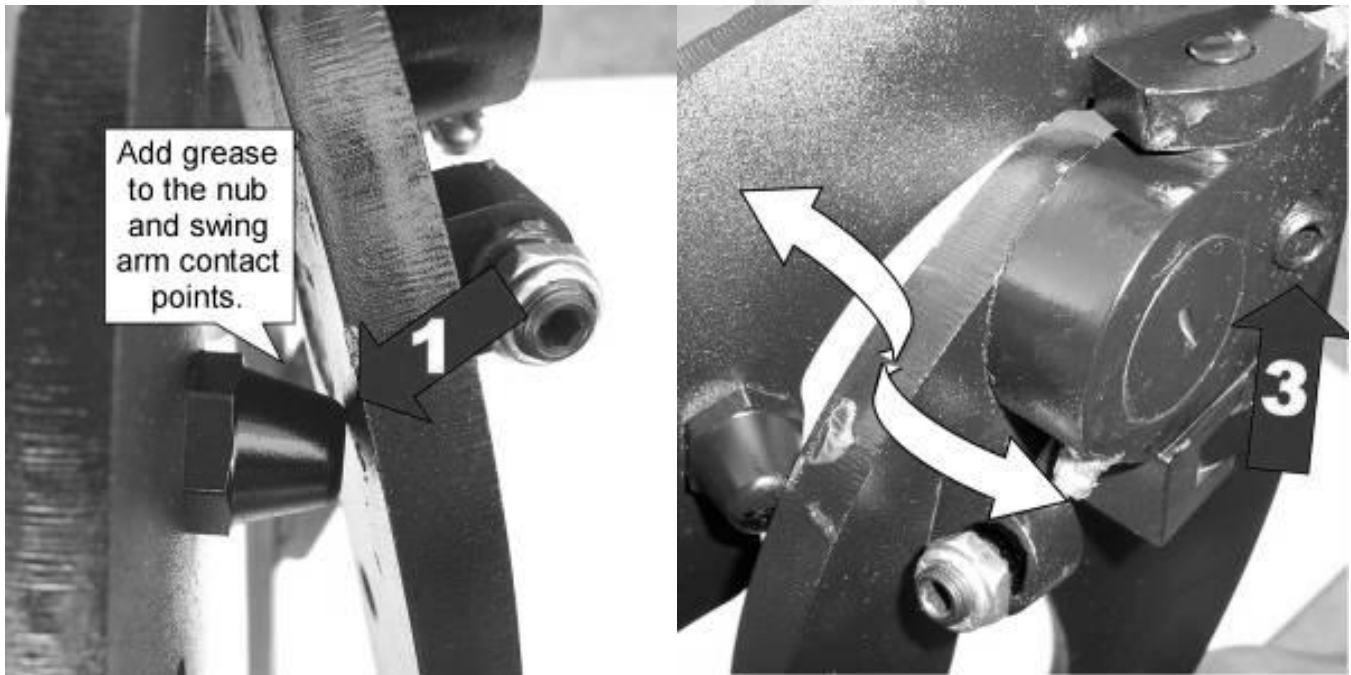


*Hint** (You will need a helper to raise the door). (Slip the spherical rod mount into the spherical ball bearing (1). Using a 1/4 Allen wrench, tighten the screw into the swing arm (2). After the shock is installed secure it by installing the pin in the bottom shock end (3).

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After shock is installed re-install door panel and 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 Adjustment screw (#2) to realigned striker with door. After the door is align 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 Loctite.

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 and smooth. Use touch up paint to paint the cut edge of the fender to give it finish look.



Close the door and replace the fender.

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

Follow the same instruction for the passenger side.

Thank you for your purchase of the



NOTE:

Vertical Doors Inc. assumes no responsibility for any damages caused by improper installation