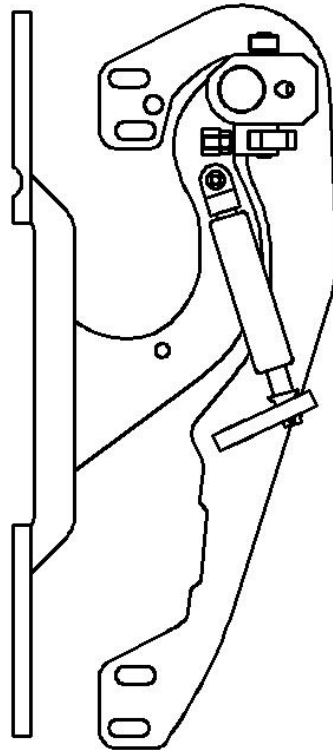
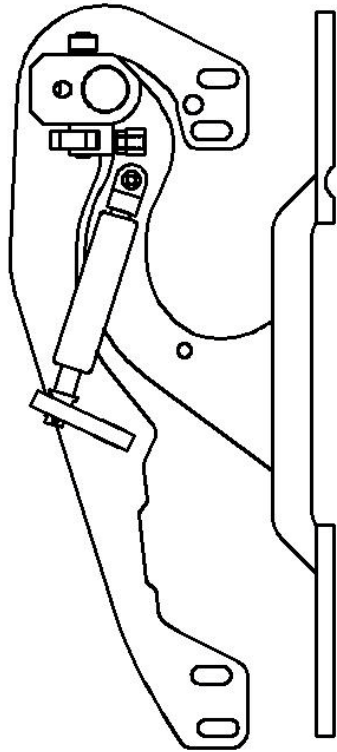




SCION TC 2004-2006

INSTRUCTIONS

**US PATENT #6,808,223 & #6,845,547
AND OTHER PATENTS PENDING**



THIS KIT INCLUDES:

- 16 M8-1.25X30MM BOLTS WITH WASHERS
- 2 SHOULDER BOLTS WITH WASHERS
- 2 PINS

- RIGHT AND LEFT HINGE ASSEMBLY
- 2 SHOCKS 720 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.

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

1) Disconnect the battery.

2) Open door completely and remove the door catch that is attached to the inner frame and the door. Remove one 10mm bolt and 2, 10mm nuts. After removing the door catch reinstall the 10mm bolt.

3) Remove front bumper and fender.

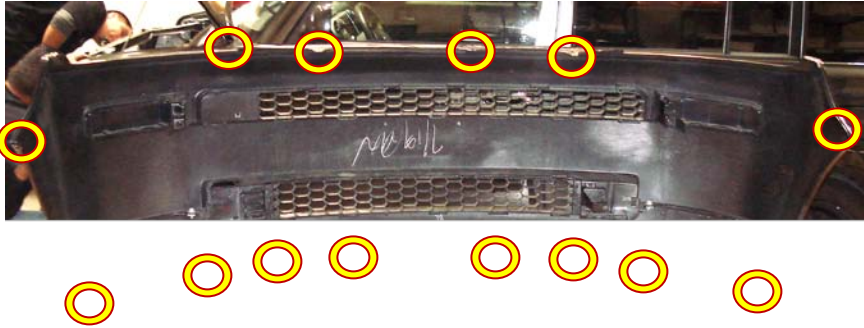
Remove all plastic clips around the inner fender.

Remove the front grill

Remove all fasteners from the top of the fender including the fasteners at the back of the engine compartment.



To remove the bumper you will have to remove several fasteners at the bottom of the bumper and also a couple on the sides.



Remove the bolts caps and bolts in the front and rear of the side skirts.
Remove all the fasteners at the bottom of the side skirts.
This will give you access to one bolt at the bottom of the fender, securing the fender to the body.



Pull back the mud guard and use a socket and an extension to remove one bolt just under the side marker light.

Disconnect the side marker from the fender.

Now you should be able to carefully remove the fender.



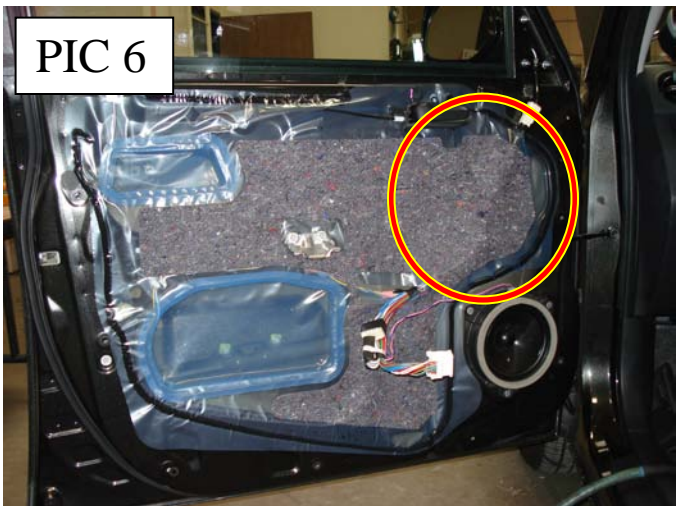
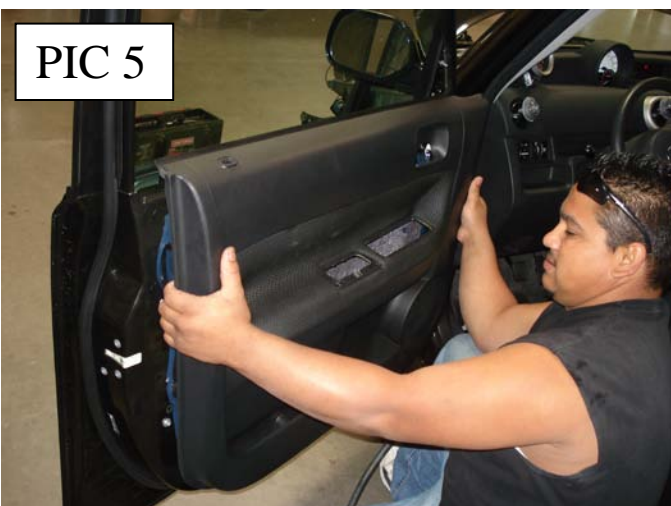
4) WIRE MODIFICATION

You will need to modify the wire layout.

Remove the kick plate and disconnect the door wire harnesses. Pull them out and remove the factory wire boot as shown on picture 2.



Once you have removed the wire boot, remove the door and open the door and remove the door panel.

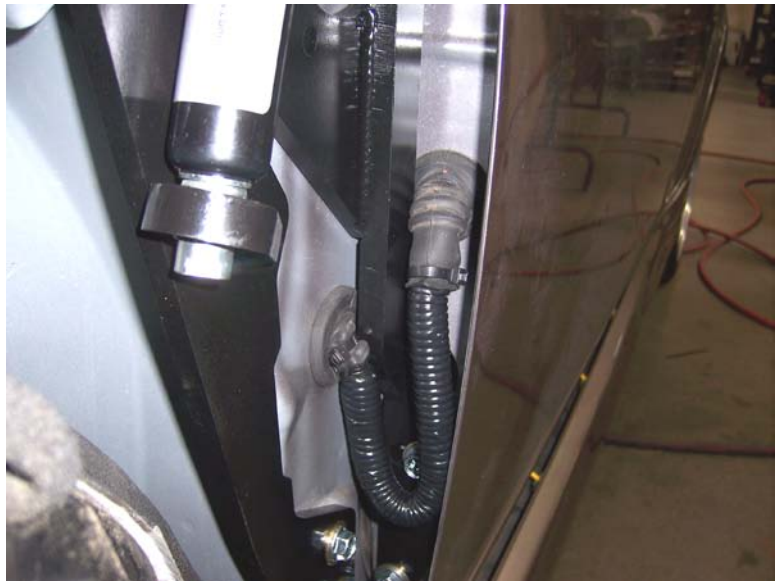


Pull back the plastic cover just above the speaker, this will allow you to remove the door catch.

After removing the wire boot, you should be able to pull the wires back in to the door.

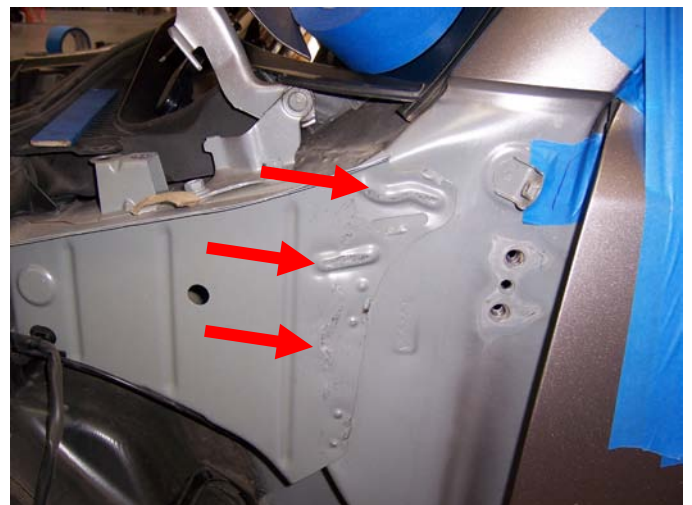
After pulling the wire into the door you will need to modify the door as shown on picture 8.

**place the hinge on the door and make sure that the new hole clears the mounting feet of the hinge as shown.



Once you have made sure the new hole will clear the mounting feet of the door re-route the wires using the top hole.

6) BODY MODIFICATION.
The new VDI kit needs to sit flat on the apron.
Place the hinge against the apron and note what parts are extruding from the apron and flatten them.



7) INSTALLING THE NEW VDI KIT.

Use painter's tape to mark the factory location of the door.

Make sure to mark the vertical and horizontal location of the door.

Also mark and measure the distance between the front edge of the door and apron at the bottom and on the top.



These marks will make it much easier to re-install and match the fender to the door.

Use painters tape to secure the door to the body.

Remove the Factory hinges.

Install the new VDI hinge as shown on picture 9.

Use the enclosed wire loom to protect the wires as shown on pictures 10 & 11.

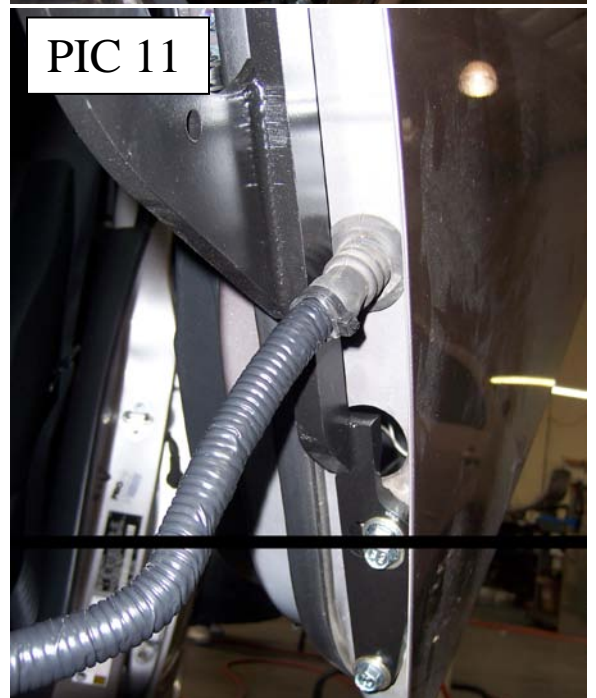
Note the way the wires have been routed.



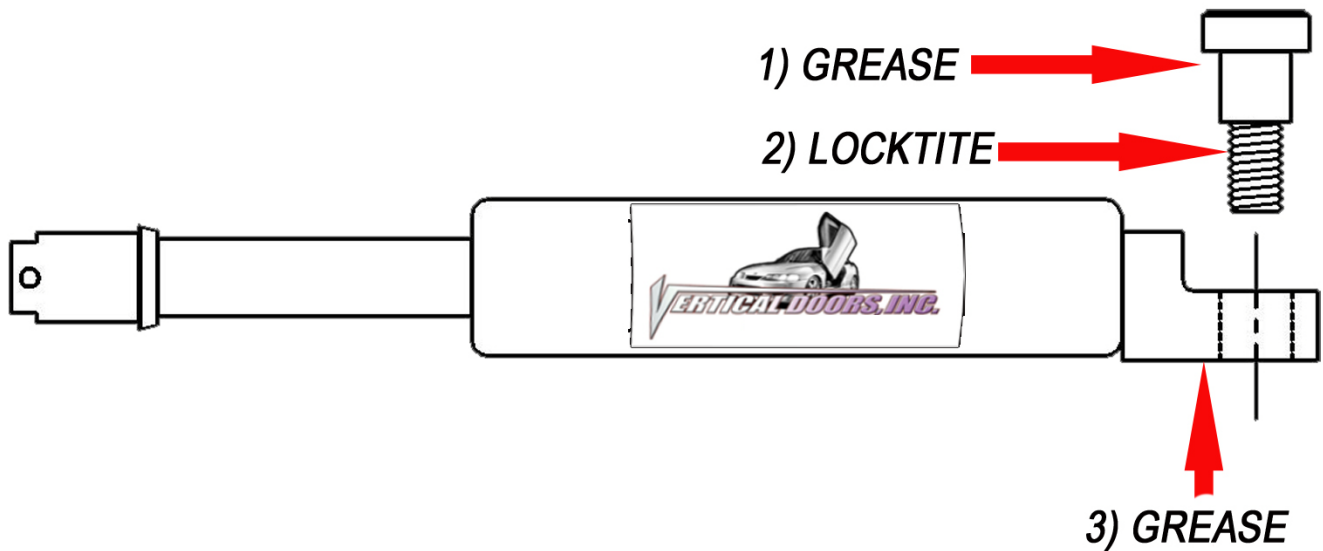
PIC 9



PIC 10



PIC 11

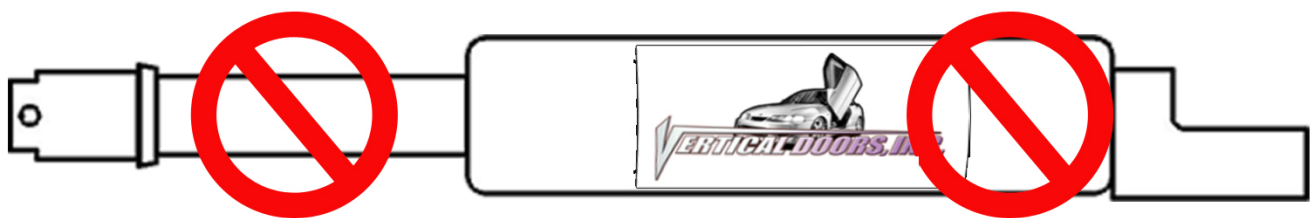


****IMPORTANT STEP: DO NOT SKIP THIS STEP. THIS STEP IS CRUCIAL IN YOUR INSTALLATION PROCESS, IF THIS STEP IS NOT COMPLETED WHEN INSTALLING THE VERTICAL DOOR KIT; ALL WARRANTIES ARE VOIDED, AND MAY CAUSE FUTURE PROBLEMS WITH YOUR VERTICAL DOOR SYSTEM.***

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

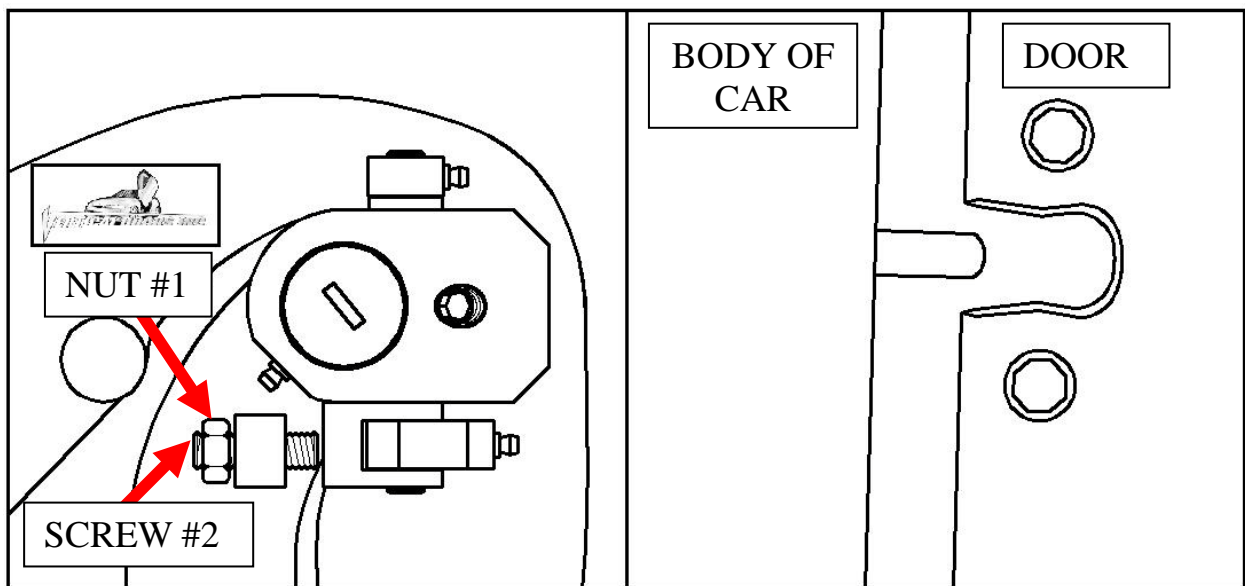
2ND, make sure you put red Locktite, where the arrow is pointing, on thread of shoulder bolt.

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



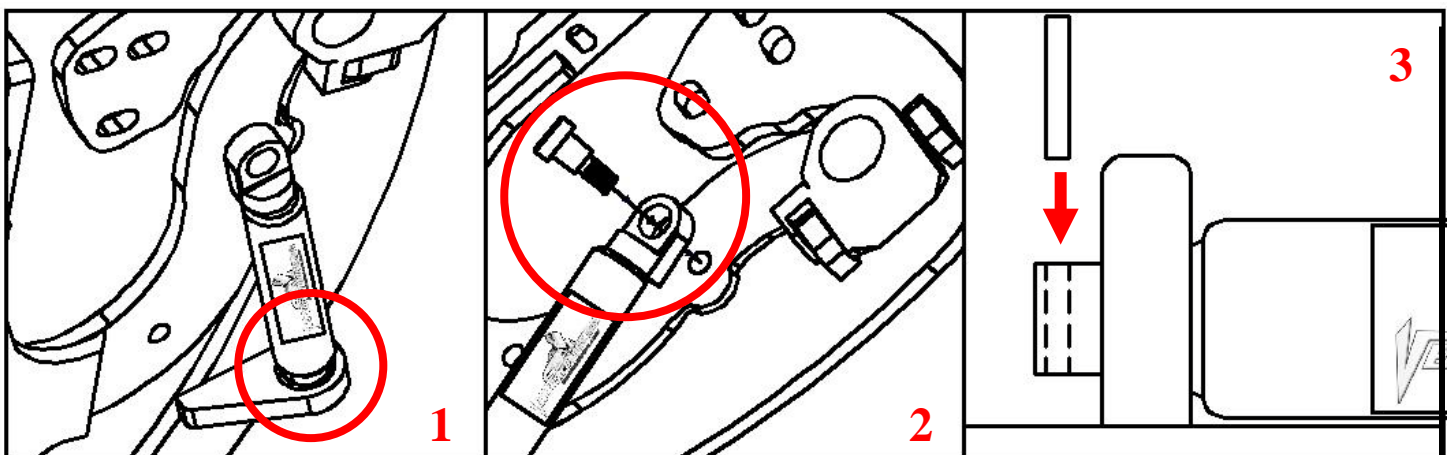
WARNING! THE USE OF ANY TYPE PLYERS, PAINT OR FOREIGN MATERIALS ON THE SHOCK'S BODY OR SHAFT WILL VOID THE WARRANTY.

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.*

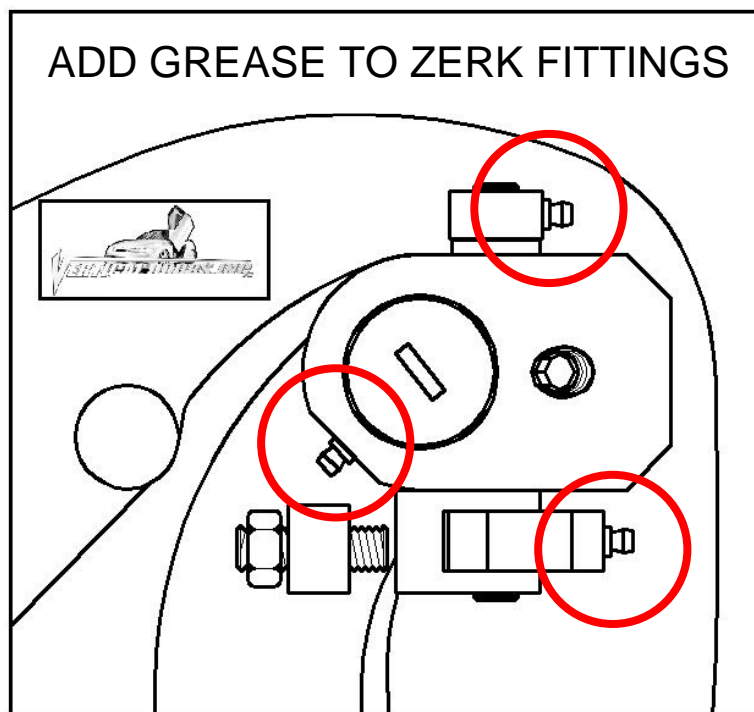
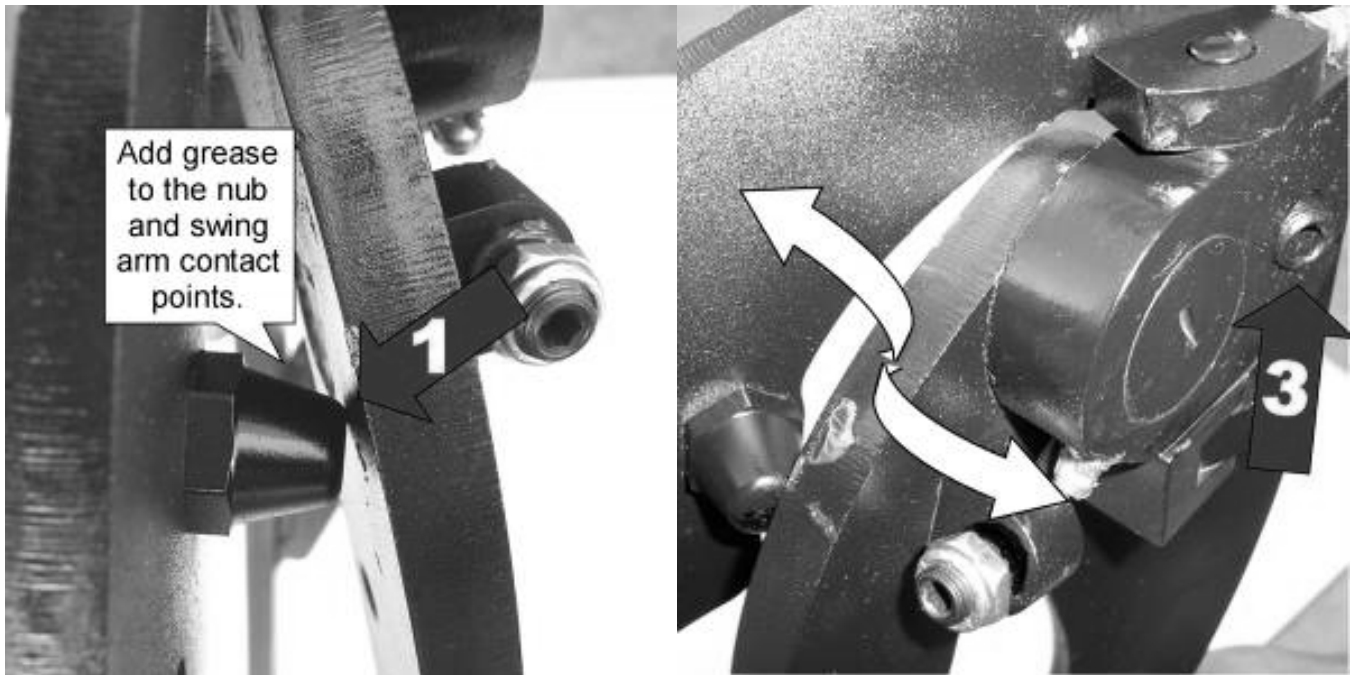
9) Install the shock.



Hint (You will need a helper to raise the door). (Slip the spherical rod mount into the spherical ball bearing (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).*

10) 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 Locktite.

11) You will have to cut the inner lip of your fender to make room for the new Vertical Doors hinge.

The cut on your fender will be very similar to this (08 XB).

The Idea is to cut just enough to let the VDI kit work without hitting the fender.



12) After making sure the kit works properly and that all power locks, power windows and power mirrors work properly reinstall the fender.

13) For the other side just follow steps 2-12.