



INSTRUCTIONS

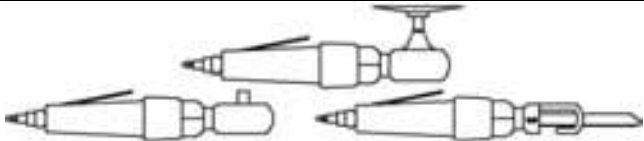
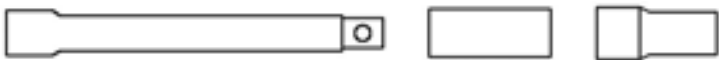






**US PATENT #6,808,223 & #6,845,547
AND OTHER PATENTS PENDING**



THIS KIT INCLUDES:

➤ 16 M8-1.25X30MM BOLTS WITH WASHERS	➤ RIGHT AND LEFT HINGE ASSEMBLY
➤ 2 SHOCKS 720 PSI	➤ 2 SHOULDER BOLTS
➤ 2 PINS	

TOOLS REQUIRED FOR INSTALLATION:

	➤ AIR RACHET, GRINDER AND CUTTER.
	➤ 10MM, 11MM, 13MM, 14MM, 15MM, SOCKETS AND EXTENSION.
	➤ FORK AND PHILLIP'S SCREW DRIVERS
	➤ SPACERS FOR THE DOOR GAP.
	➤ 3/16 ALLEN WRENCH
	➤ 1/4 TORX BIT
	➤ 9/16 WRENCH
	➤ LOCKTITE RED

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

1) Disconnect the battery

2) Remove the head light.



3) Remove the fender

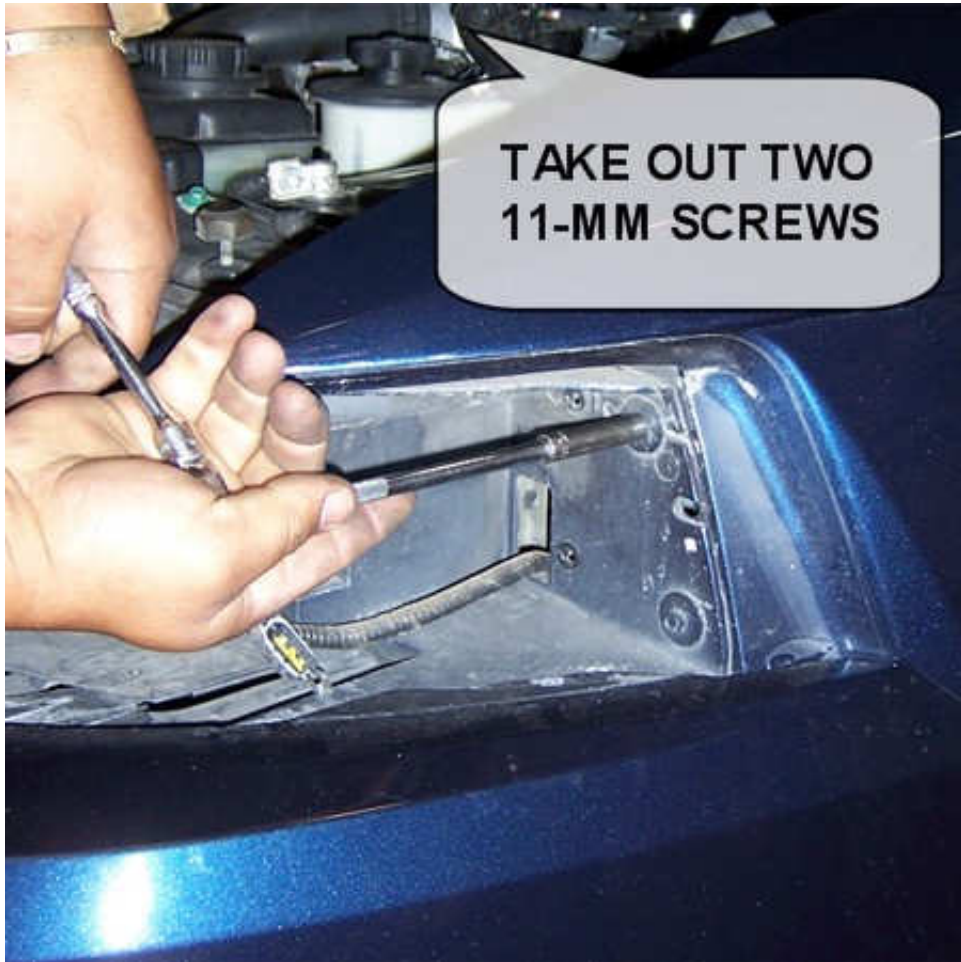




**YOU WILL
NEED TO PULL
BACK THE
SPLASH
GUARD**



**AND REMOVE
TWO 8-MM
SCREWS ON
THE BACK OF
THE FENDER**



**TAKE OUT TWO
11-MM SCREWS**



4) Remove the hold down screws on the cruise control motor, and rest it, on top of the splash guard.

5) Remove the inside foot panel to gain access to the wire harness and to take out the bolt holding the original hinge in place.



Remove the clip that holds down the foot panel with the fork





REMOVE ON 13-MM SCREW TO TO RELEASE BOTTOM STOCK HINGE

6) You will need about six inches on slack on the wires. After you gain the extra slack on the wires take out the bottom hinge bolt.

PULL THE WIRE HARNESS LOOSE TO GAIN MORE SLACK ON THE WIRES



7) Remove the door panel.



USE THE FORK TO UNDUE THE CLIP HOLDING THE CONTROL PANEL IN PLACE



REMOVE THE WIRE PLUG AND TWO PHILLIPS SCREWS



REMOVE THE DOOR HANDLE BY PULLING ON IT AND PUSHING THOUGH THE BACK



TO REMOVE THE DOOR PANEL TAKE OUT ONE CLIP BY THE HINGE AND PULL THE PANNEL STRAIGHT UP



8) You will need more wire slack from the kick panel.

9) Close door and use painters tape to secure the door in preparation for factory hinge removal.



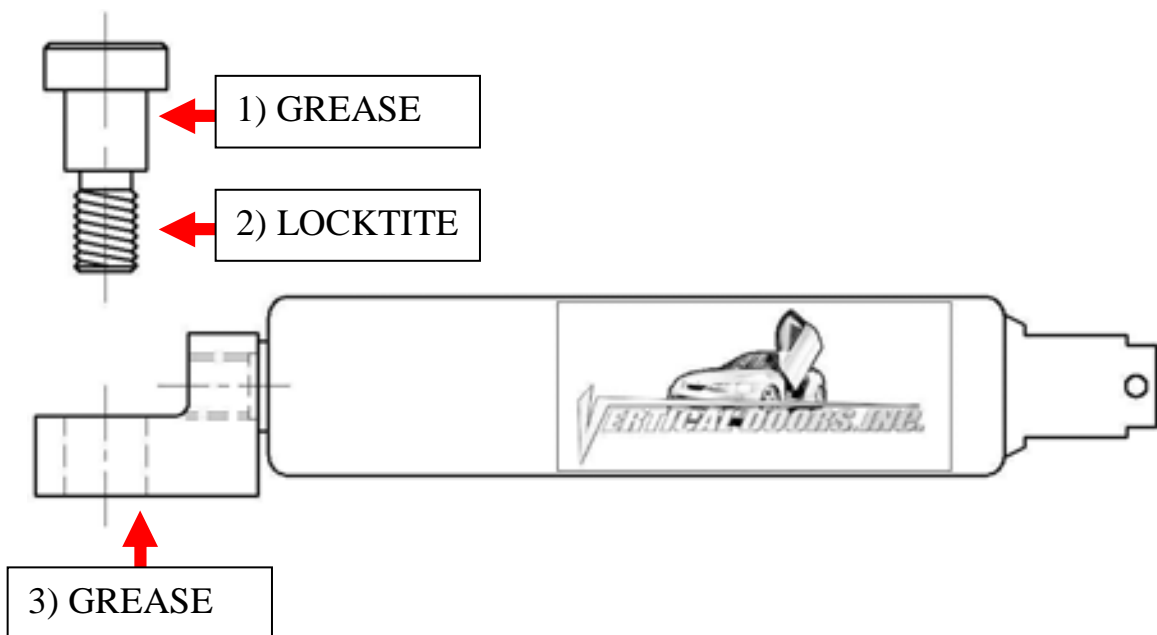
10) Remove factory hinges, and install door spacers

Hint* (You can make your spacer out of paint sticks and about 10-12 turns of blue painters tape)



11) Install new hinge making sure is flat against all contact surfaces, use new bolts to secure hinge to the firewall and door. *Note you will need to use one existing nut on the top part of the hinge.* Once the new vertical door hinge is secure remove the painter's tape.

Hint(When locking hinge in place tighten bolts or nuts to door first then firewall bolts second.*



***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.

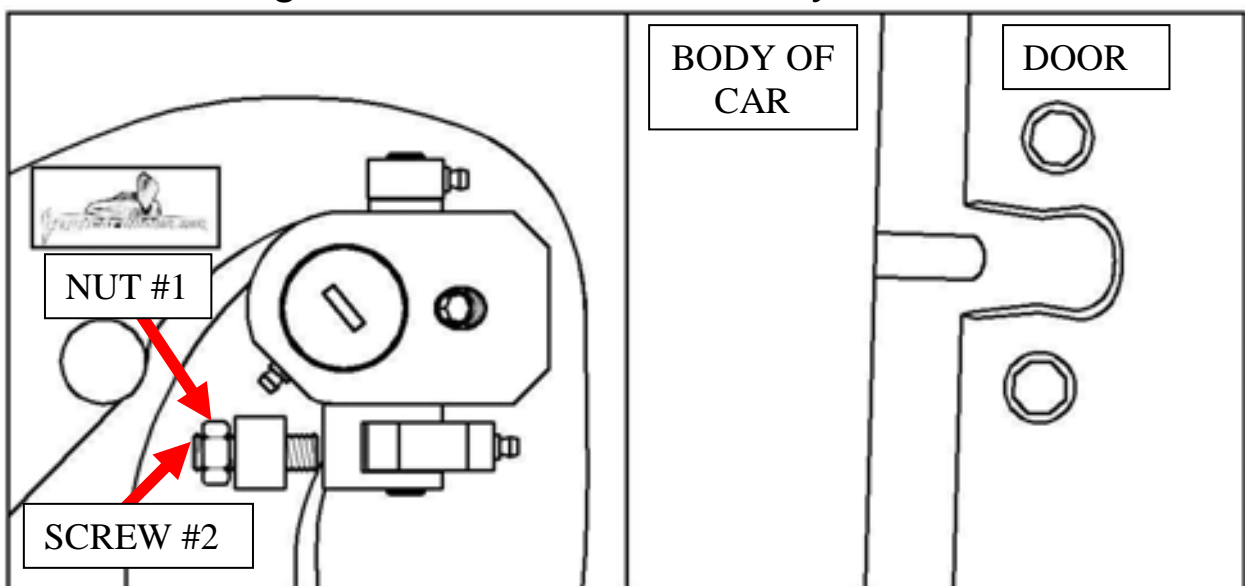
2ND, make sure you put red Loctite, where the arrow is pointing, on thread of shoulder bolt.

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.

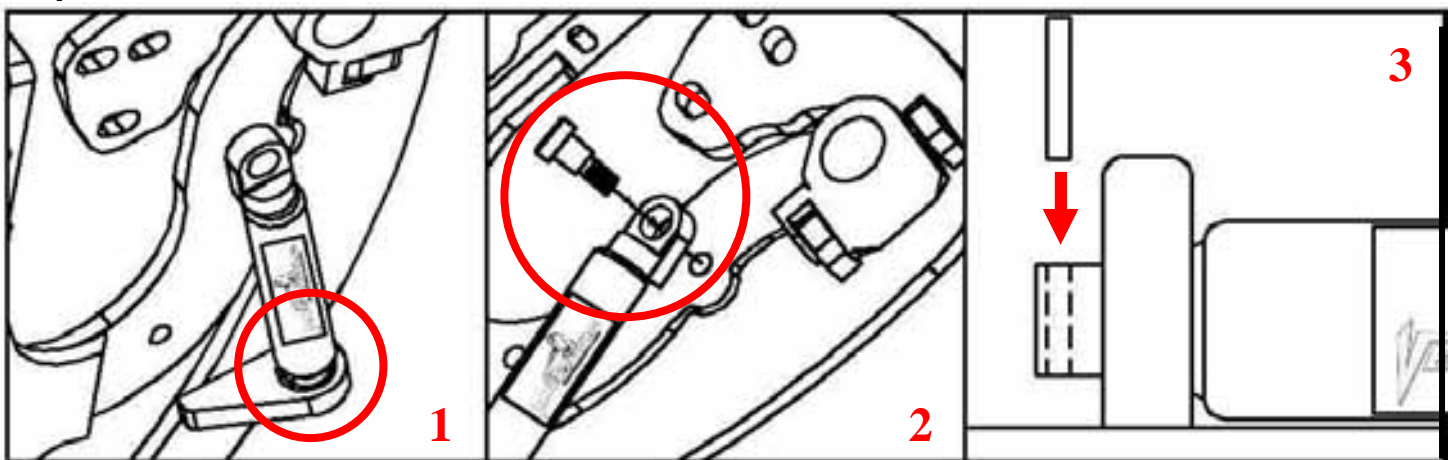


12) Once hinge is locked in place, break nut #1 then turn Allen set screw #2 on fig until it hits the block then open the door and continue to adjust until the door matches with the striker, open and close door making sure it closes like factory.



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

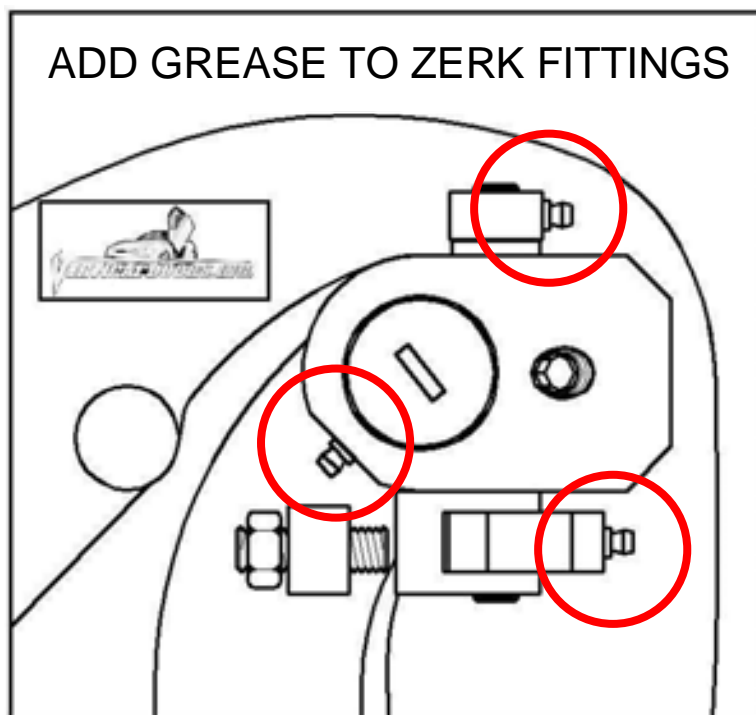
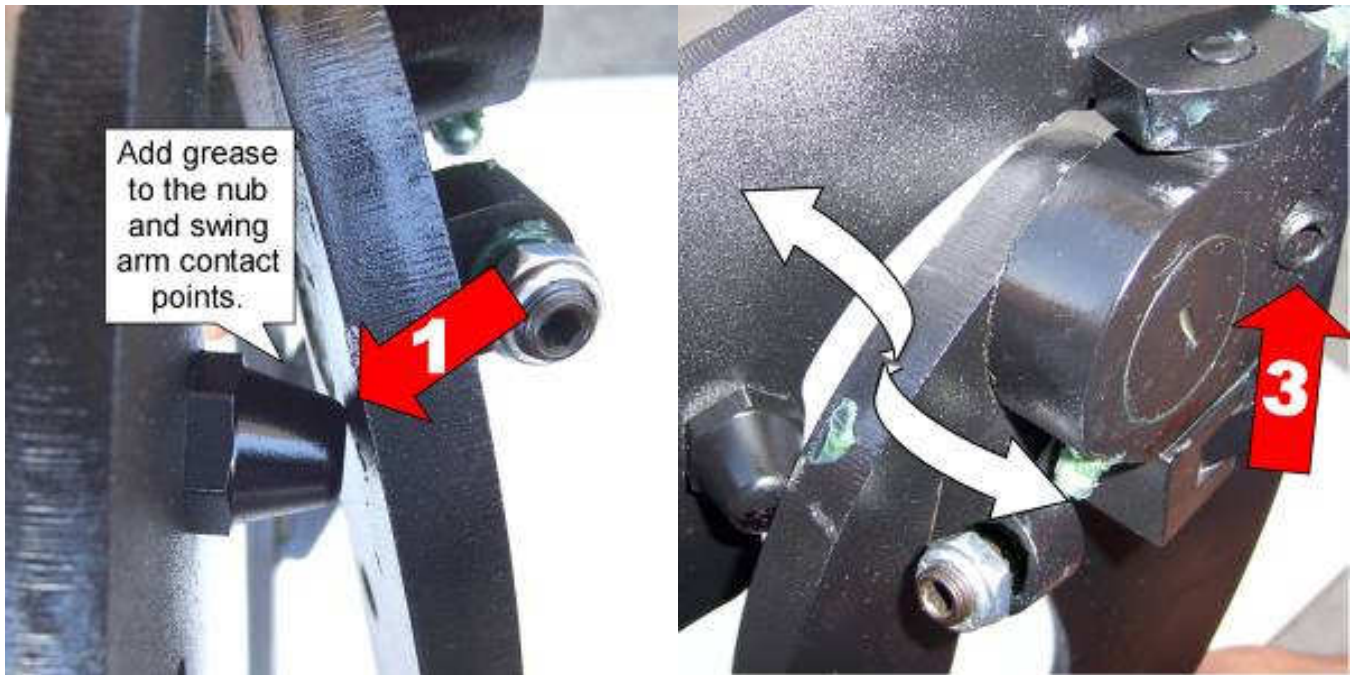
13) Install the shock.



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).*

14) 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.

15) You will have to cut the inner lip of your fender to make room for the new Vertical Doors hinge. Use a power cutter and grinder to cut and remove any sharp edges. Use black door trim to give it a finish look.



16) To re-install the cruise control unit discard original bracket and use the one provided in the kit and position the unit according to the pic. Move the bracket back enough to clear the new Vertical Doors Inc. system.



17) Now that you have enough wire slack use plastic wire tubing provided in the kit, wrap it around the wire harness and finish it with black electrical tape. Then open and lift the door and lower and close making sure system works properly.

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



18) Replace the fender.

For the other side just follow the same steps except steps 4 and 16.