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\*Patent Pending

# **One Piece Products**

**Series V-STANG**

**1965-1966 Ford Mustang**

**Coupe/Convertible/Fastback**

**One Piece Door Glass**

**Conversion Manual**

**[www.OnePieceProducts.com](http://www.OnePieceProducts.com)**

**(888)One Products**

**(888)663-7763**

## Installation Instructions



1965-1966 Ford Mustang

First and foremost, we at One Piece Products wanted to **Thank you** on your interest of our newly designed Full One Piece Door Glass conversion kit for the 1965-66 Ford Mustang Fastback/Coupe/Convertible. This kit is designed to be a direct bolt on kit with some modifications required. Our kit is designed to fit the original *Manual Regulator, we are currently testing the Nu-Relics power upgrade for future release.*

Here at One Piece Products we thrive on creating unique glass kits for the automotive enthusiast and their babies. You will be pleasantly surprised with our upcoming new projects!

In the next following pages you will find a detailed description on the installation process of our one piece door glass conversion kit. The pictures will include a short one or two sentence description of the step mentioned.

**PLEASE BE AWARE THAT DUE TO THE NATURE OF THE MUSTANG. THERE ARE MANY ADJUSTMENT POINTS IN THIS INSTALLATION. MINOR MODIFICATIONS ARE SOMETIMES REQUIRED!!**

If for any reason you have difficulties during the installation process please feel free to contact us at **(888)663-7763** or email us at [info@onepieceproducts.com](mailto:info@onepieceproducts.com). You can call during normal business hours 9:00 a.m. to 4:00 p.m. Pacific Standard Time.

## Kit Contents

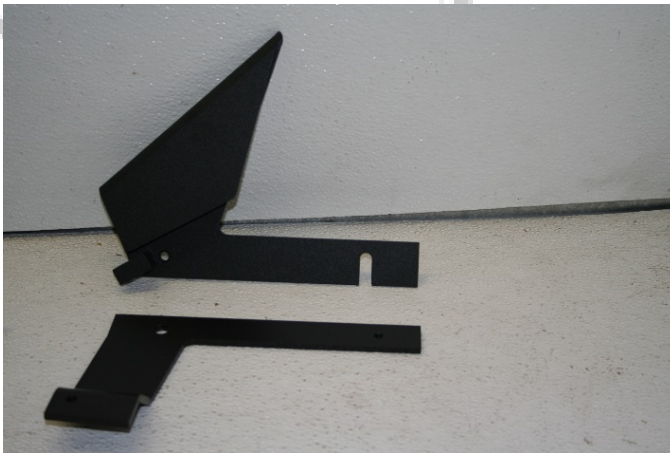


1.

**Standard green curved**

**tempered 3/16" (2) Left & Right** (for reference Glass comes with attachment for installation. **Note the picture on top is of our 65-66 Mustang coupe, the lower glass mount is different. The 65-66 Mustang has only 2 Front rollers attached and a guide channel on the rear.**

**Quantity (2)**



2.

**Front Glass Triangular**

**support brace-** used to support inner and outer door skin where the original brace it taken out. Comes in two pieces that bolt together.

**Quantity(2)**



3.

### New Inner & Outer

**scraper set.** Used as anti-rattle channels for the glass, also prevents water from coming into the door area. *Note: We will be getting them soon with the clips already attached for easier installation.*

**Quantity (4)**



4.

### New front and Use

**Original Rear Vertical Guide.** Used in replacement of the old vertical guide glass rail assembly. *(You might need to use the lower adjustment bolt from the original vent glass or the one provided in the kit. The thread in the Vertical bracket might be different.)* Picture is of the 67-68 kit. The 65-66 have no rear Vguide. You will using original rear guide.

**Quantity (4)**



5. adjustment bolts.

**Bag of 1/4" & 5/16" Nuts, bolts & washers**

**Quantity (1bag)**



6. **New Square White Rollers** included, for our New Roller channel. Two per regulator, 8 for both vertical guide rails and Regulators. 4 will already be mounted to the glasses.

**Quantity (4per door, 8per kit)**



7. **Upper front Adjustment bracket.**  
**Used on the upper front vertical guide as an adjustment point.**



8. **The Bracket will mount to the Front Vertical Guide that the glass runs in as it moves up and down.**  
**Please note the 2 Bolts facing the same direction are bolted to the inside skin of the door shell.**

**Quantity (2)**



9. Upper Regulator door glass stop. Used to stop the door glass at a specific level so the glass can seal up properly against roof rail seal.

**Please note that the L- Bracket attached to the main glass bracket is attached to the glass when you receive it. You will need to remove it and put it back on after the glass is in the door.**

**Quantity(4)**



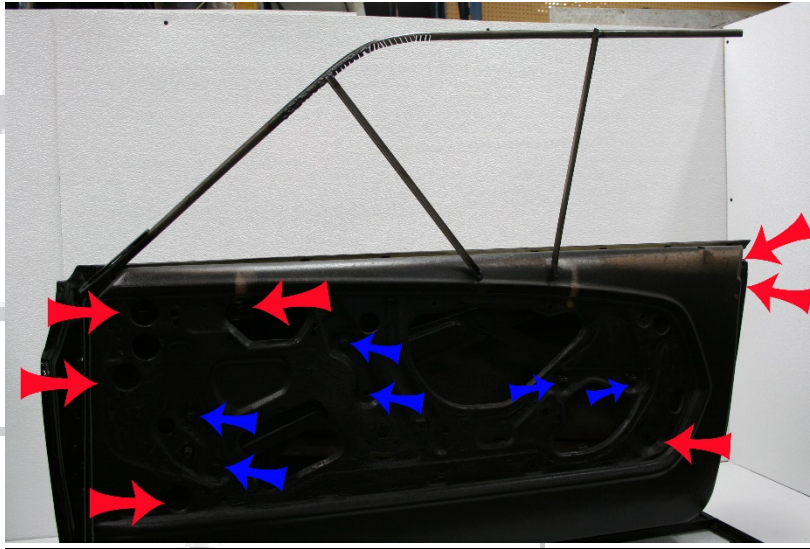
10. Side view of Upper door glass stop. L-Bracket w/ stud mounts to the inside door skin of door. Both L-brackets should hit each other to stop the glass at your appropriate height. Only 1 Upper door stop is required. **Note this picture shows also the lower glass regulator channel for the 67-68 Mustang , NO NEED TO WORRY ABOUT THAT CHANNEL FOR THE 65-66 Mustang.**

## Tools needed

- ***1/4"-1/2" Step Drill.***
- ***1/4" drill bit***
- ***Hand screwdriver or Drill with Phillips head tip.***
- ***Flat thin screwdriver.***
- ***10mm, 7/16" nut driver or ratchet, 10mm & 7/16" socket w extensions.***
- ***7/16" wrench, 5/16" wrench***
- ***Allen tool***
- ***Metal hacksaw to cut sheet metal brace.***
- ***1" masking tape.***
- ***Lawn chair w/ six pack for a break, maybe a case??!***



## Disassembling the door



- 1. Remove the seven Bolts indicated by red arrows to remove the vent glass (as shown by the red arrows in the picture.) Remove the 3 Phillips screws that are located on the original horizontal C-Channel. Also remove the old door glass stops on the front and rear of the door glass. Remove the old scrapers first to make removing the glass easier. Take out the 3 Bolts that hold the old rear vertical guide. Slide the original door glass all the way up and out of the door. This should enable you to slide the vent glass assembly away from its cavity. **(Make sure the 4 bolts are removed connecting the vent assembly including lower door glass stop.)** Pull back then twist the vent assembly gently so you can slide it out easier. **(Watch out with the lower vent bracket so you won't get stuck.)****



2. With all the bolts removed lift out the door glass and set aside.



3. With all the Bolts removed you will have to lift and twist on the vent glass. You can also slide to the other end of the door and out of the back. The lower vent bracket becomes stubborn at time to remove. So be careful on this removal.



4. Now it's time to remove the Regulator. There are 6 bolts for this step.

- **New Regulator Roller Replacement** Take out the manual regulator; you need your 7/16" socket and ratchet for that. You will be **replacing** the two older ***smaller rollers*** that ride in the lower glass rail to the ***larger New ones*** supplied in the kit. **Simply grind** the expanded part opposite side of the roller and use your center punch to punch it out the old Roller. You will need to use a step drill to resize the original hole to a 1/4" hole. **Simply slide** the new larger Roller on and bolt it down using **Loctight thread adhesive**. After you done, make sure the stud of the New Roller **DOES NOT SPIN**, (it should be on solid.)**Quick tip:** **Grind the stud flat with the nut for future clearance. When fully installed the regulator arms will pass the nuts opposite the rollers, that is why you would want that little extra clearance.**



**Now bolt** the old regulator with the new Rollers back on the door.

## Installing THE KIT

### Cutting the brace between the inner and outer door skin:



Locate the two brace tabs

under the old vent glass, simply cut them with your saw and remove them.



This is what the tabs should

look like when remove, (Nothing There!)

## Installing the glass



3.

Once the regulator is installed and in place you can install the door glass from the top and bolt it down

**NOTE: Make sure the Rear Vertical Guide is in place. You will slide the glass into the door and make sure that the angled channel attached to the glass lines up with your rollers. It helps to have the regulator bolts loose on this step.**



4.

Bolt the

power Regulator in place. **Note: on some doors I have had to slot the mounting holes, so I can rotate the regulator for adjustment.**

#### Adjustment Points for the Rear Vertical Guides



5.

With the rear vertical guide in Place lower adjustment bolt for future adjustment.

***NOTE: Look for the 3 adjustment Bolts behind the covers. This is for the height adjustment of the rear part of the glass. The Bottom bolt is the Pitch adjustment. It give you the angle so that the top of the glass rest firmly on the Roof Rail Trim.***



These are the rear bolts **BELOW** the latch assembly. One is hidden usually behind a round plug.



6. This is the adjustable inside roller channel mounting bolts.

**NOTE: You will most likely have to slot them vertically so you may be able to Level the glass so that the top of the glass stays parallel to the roof line.**



7. If you need to Level the top part of the glass to the roof line, Elongating the 2 holes that the Power Regulator mount to will give you that adjustment.



8. These two bolts slide horizontally for adjusting the traveling angle of the glass as it goes up and down.





9. In order to put in the **front Vertical Guide**, you must roll the glass as far up as possible, you will notice the Front rollers attached to the glass come past over the scraper line. You can now proceed and slide the front V guide up from the bottom. Slowly bring the glass back down into the door and make sure the roller is in the channel.



10. You will have to drill 2 new holes using the template provided in the kit. With these holes you will mount the upper adjustment bracket for the front guide rail. Use the guide holes that are used for the door panel clips as a reference.



11. Use your step drill to drill a pair of  $\frac{1}{4}$ " Holes.



12. With the holes drilled now you can flatten out the ridge of the sheet metal where the bracket will mount on the inside. Slide on the upper front adjustment bracket and bolt it down.



13. Leave the adjustment bolt in the middle of the bracket a little loose so you can tighten later for final adjustment.

14.

## Installing New Front Triangular Brace



15. Lower the glass all the way down so you can install the Allen bolt for the install of the first part of the Front triangular bracket. **(Don't fully tighten you still need to slide the corner bracket in.)**



16. The first triangular bracket has a slot on it so you can slide it over the Allen bolt that was installed previously. Now go ahead and tighten the Allen bolt.



17. The second bracket is a little trickier to install. Try to bolt on the lower end of the bracket then follow it up with the other end with the short bolt. The last bolt should be the Long one in the middle that connects both inner and outer brackets together. Adjust the bracket to match the angle of the Roof rail seal then tighten. At this point the bracket might not seal yet but make sure the angle is correct. ***Quick tip: You might have to grind the threaded part of the Short bolt closest to the new vertical guide so it does not scratch the inside part of the glass.***

### **New door glass stop installation**

## Replacing Hinge Bolt



18. Remove the upper bolt of the lower hinge and replace it with the new shorter bolt.



19. Install the new lower bolt.

20. *The Glass might come close to and possibly hit the inside brace located opposite the new shorter bolt we just installed. KEEP AN EYE ON IT for clearance. If need be you might have to grind a little portion off that inside brace.*

## Scraper installation



21.

Install the new

Scrapers. You will notice two short scrapers (inner), and two longer scrapers (outer). They will be clipped for ease of install. In the triangular brace area you can use **3M weatherstrip adhesive** preferably black to secure the unclipped area.



22.

Follow the same

steps for the inside scraper.

## Relocating a portion of the Roofrail seal



In the area where the old vent glass met the door glass, peel and separate the roof rail seal and remove the screws that hold the metal channel to the body.



You will be shifting it out roughly  $\frac{1}{2}$ " -  $\frac{3}{4}$ " depending on your door glass clearance. Do not glue the roof rail seal yet you will need to test the seal against the door glass.





This is what the final adjustment should look like, with the Roofrail seal pressing up against the back of the glass.

### Check for adjustments



This is the front lower adjustment bolt. By turning it RIGHT you are pulling the top of the door glass when up away from the roof rail seal. By turning it Left you are bringing the glass closer to the roof rail seal, where it belongs.



This is another adjustment point on the front upper vertical guide. It can slide in and out.

***Quick Tip: Do not forget to lubricate the new channels and every moving part in the door glass kit.***



- **HOOORAYYYYY!!!!**
- **You're Done!!**

**GREATJOB!!!**

**DOESN'T THAT LOOK BETTER!!!**

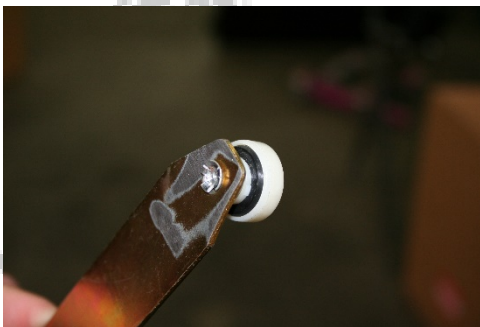
# Electric Life Power Window upgrade

## Adjustments

The Electric Life power window upgrade will work only if these adjustments are made to the new regulator assembly.



- Grind off the back expansion stud of the original smaller roller.



- Replace with the new rollers provided in the kit. The diameter of the hole is slightly bigger, but the aluminum stud will expand to the hole as described in the picture.



- This is what the new rollers should look like installed.



**Thank you** for Purchasing our 1967-68 Ford Mustang Fastback Full

**One Piece Door Glass. We hope you found this kit to be not too difficult to install, and would gladly appreciate any suggestions to improve our kits**