

## Window Regulator Remove / Install

This write-up covers the left-front door on a 2005 MB C230 Komp.

This project took me about 6 hrs to do. (First time, i'd done the same job on a mark3 jetta before.)

You'll need some understanding of working w/ rivets.

Some tools needed were a drill, rivet gun and torx drivers.

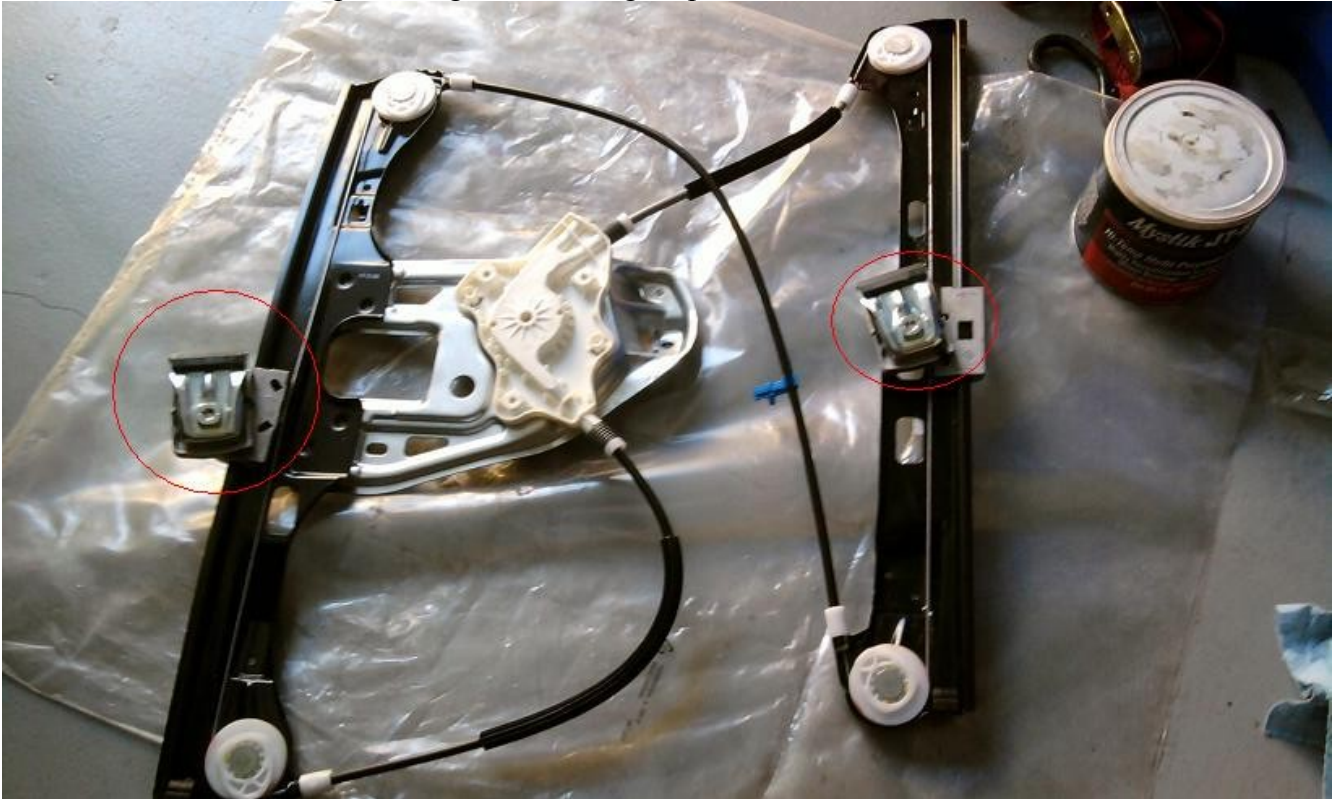
A friend to help is really nice.

The new part was about \$125 after tax/shipping.

Orig part # 203 720 29 46 that came off the car

Replacement # 203 720 31 46 as listed on a few vendor websites. There's actually 2 part #'s I found, depending on how the clamp is on your current regulator is, you'll need either or. The other part # had the clamps going directly up/down(# 203 720 15 46).

New Part: notice the clamps are angled, not straight up/down with the bracket.



First Step

### **Remove the door panel**

Since this has already been written up, i'll just post the link

<http://mbworld.org/forums/c-class-w203/76578-coupe-door-panel-removal.html>

The 11<sup>th</sup> post has a pdf file you can d/l

You will need to remove all the connecting wires,  
the one for the seat adjust  
the window console

the lower speaker

the door foot light: the best thing to do here is to unclip the light lense at the bottom of the door panel. It slides back(towards rear of door) and down(towards ground). Take a peek from the inside to see how it comes out.

Remove the speaker held in by 3 screws.

The door should be completely apart at this point, set it aside.

It should look like this



Next Step

### **Remove Window**

this was a little hard for me, as the clamps holding in the window was at bottom, and I didnt have access to loosen the clamp. If you can, loosen the clamps and slide the window out the top of the door. If you cannot, do what I did, go on to remove the rivets so you have some room maybe get access to loosen the clamps.

Next Step

### **Remove the rivets**

the window regulator is held in by rivets. You will need to drill them out. The hole is about 6mm, so you want to use something much smaller as to not make the hole larger. Theres 8 rivets in all.

3 from the left window regulator bracket. 2 from the right. And 3 from the airbag.

You'll need to start w/ the airbag rivets, as the top rivet on the left regulator is behind it.

This was the toughest part for me, getting out all 8. it took awhile.

On some of these pics, i've already drilled them out.

To get access to these rivets you'll need to peel back the noise dampener material, its held on by a sticky substance. As you pull it back, you'll see it cling together like cheese. I used some scissors to cut

at it, as to not stretch it all out, and thin it out. Pull as you go and cut the cheese. Dont worry, it comes back together perfectly when u go to reassemble and sticks fine.

Lower Left Rivets



Top Right, behind the noise dampener cover.



Lower Right



## Airbag rivets



The top right on the left window regulator bracket is behind the airbag. So off it goes.

Remove the window if you havent already done so.

Next Step

### **Remove the old window regulator from door.**

My old one was all messed up, and cable was run all weird. I just clipped the old cables to make it easier to take out. Note, There is a bracket holding the top central cable, if you clip, you can pull it through easy. More on this later as we reassemble.

Unclip the electrical connector for the window motor and Remove it from the old regulator. Its held on by 3 screws.

Next Step

### **New regulator Prep**

you'll want to prep the new regulator. I applied some extra lube/grease on the cables. Slide the window clamps all the way down, and apply some lube. Then slide them all the way up, and apply more lube. Install the window Motor. Before doing this, you'll want the window clamps at an ideal position where you can still get to the clamp screw(see pic). Keep this in mind as you install the motor. I found the 2<sup>nd</sup> opening from the bottom the best.

(If you goof this, you'll need to hook up the window console to the electrical so you can adjust the position.)



(notice the blue clip, clip this into the 2<sup>nd</sup> opening after you've installed the regulator)

On to motor install. You'll notice the motor mate is geared, you'll want to match this up as you're installing the motor. You'll need to move the window clamps slightly up or down until the motor FULLY seats as you press in the motor, then screw it down.

Next Step

### **Install Window Regulator**

The best way to get the regulator in is as such. Hold the regulator in both hands, 1 hand per bracket. Turn the whole unit counter clockwise quarter turn, so that the front bracket(right hand) is at top. Now slide the regulator in through the opening, top first. As you work it in, turn it back clockwise and get it all in.

Once you have it roughly lined up, you'll need to hook up the electrical for the motor.

Now you'll need to secure it. I decided not to use rivets again, as it was such a hassle to get off.

I used M5x.8 12mm bolts, lock washer and nut instead.

Both the left and right bracket has a small hook that hooks the door(see pic). Once you get that, you can start securing.



Near the top of the door, the top cable will need to go inside this holding bracket so it doesn't rub w/ the window(see pic).





Go on and install the blue clip at this point. (see 3 pics up)

Next Step

**Install the window**

Yes, we're going to install the window before getting on to the airbag. We need to make sure the window works before we lock in the airbag.

Once you have all the bolts in, its time to install the window. Slide the window down the door and into the regulator clamps. Your window should have the old marks from the old clamps, use this and try to line it up best. Clamp it in just enuf to hold it pretty good. Now you should test the operation. Bring over the door panel, and hook up the window console electrical. Turn the car to on, and bring the door all the way up and down. Make sure it flows freely and doesnt jam. Bring the clamps back to the opening so you can make adjustments if necessary. Turn off the car and Unhook the electrical. Tighten the clamps down good, Careful not to overtighten, its glass afterall.

Next Step

**Install airbag**

for the airbag, I decided to keep w/ using rivets. That and I couldnt get my hands behind the door to get at the holes for nuts/bolts. Heres a pic with the new rivets in. note, theres a hook here as well.



the rivets I used were 5mm in diameter



The rest is reversing the order of install.

Note, for the window, you'll need to re-sync it so that the auto-up/auto-down will work properly. Lower the window(single click – not auto-down)all the way down, then bring it up(again, single click, not auto-up) and hold it for 10secs after the window reaches the top. This should re-sync your window. Test the auto-up/auto-down feature, it should be golden.

cheers!

Dr tran

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