



**INSTALLATION INSTRUCTIONS
REMOVABLE NO DRILL LICENSE PLATE MOUNT
DUO - CENTER MOUNT INSTALLATION**

Thank you for choosing to purchase a Carbonio product. Please take the time to fully read over these instructions before attempting to install the kit. This will greatly speed up the installation process and minimize any difficulties you may encounter.

Notes & Disclaimers

- These instructions explain the procedure to install a No Drill License Plate Mount on a particular vehicle **style**. Individual kits are vehicle specific and may contain pieces that differ slightly from the images contained in this manual.
- The license plate mount is almost infinitely adjustable comes pre-assembled with a generic setup. Before mounting the license plate the assembly first needs to be fitted to the car and sized depending on the particular vehicle and license plate size that is being used. Once sized it can be removed and installed without any need to make any further adjustments.
- Installation of this mount involves adhering two low-profile receiver pieces to the under-surface of the front bumper. While this piece is removable, doing so requires their replacing and replacement units are available from Carbonio.
- **All testing for both quality/durability of adhesion along with the ability to cleanly remove has been done on OEM finishes. All adhesives and cleaners/promoters included are designed and certified specifically by 3M for automotive applications. Vehicles with clear bra (PPF film), body wraps, or non-factory paint on the mounting surface, run the risk of adhesion issues and should be approached with caution.**
- The end of these instructions outlines the correct procedure to remove the receiver cleanly without doing any damage to the mounting surface
- This mount can be used with aftermarket license plate frames and plate covers

Tools Required:

- Phillips head (star) screwdriver (for North American installs)
- Masking tape
- Pencil
- Measuring tape or ruler

LABOUR ESTIMATE GUIDE

15 Minutes

Step 1: LOCATING THE CENTER OF THE VEHICLE

Step 1: Lay a piece of masking tape on the nose of the vehicle (ideally as close as possible to the mounting location) and mark the center with a line. A ruler or tape measure can be used to confirm center.

TIP: Most vehicles will have an emblem or a factory detail of some type that will help locate center. After making your center mark step back and double check your placement by viewing the car straight on and confirming that the line is centered.



Step 2: TEST FITTING THE MOUNT TO THE CAR

The mount should be first test fitted before proceeding with the final installation. This is a very important step that **SHOULD NOT BE SKIPPED** as it makes final installation much easier and prevents improperly positioning the mount.

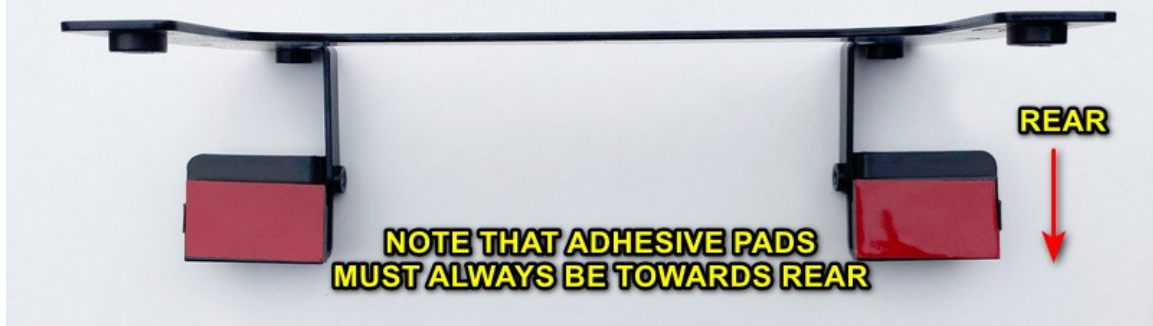
Mount positions

These instructions show the installation of the license plate mount with the receivers adhered to the underside of the bumper and with the plate positioned up from there. This is not the only option and it is totally ok to mix and match orientations by placing the receiver on the topside of a bumper opening or have the plate holder hang low. Most vehicle applications require the adhesive mounts to be oriented on the inside of the arms.

*NOTE – Porsche applications require adhesive mounts to be oriented on the outside of the arms.



MOUNTS ON OUTSIDE OF ARMS



Step 2a: Make sure that the plate holder and mounts are in their fully extended position and that the adjustment screws are just tight enough where the mount can pivot relative to the plate holder and still hold its position when released.



Step 2b: Using the center mark (made earlier) as a guide, Locate the full assembly on the vehicle. Try various depths and angles until you find a position that you like.



The goal is to find a position that is as deep as possible while still keeping the plate holder about 1cm (3/8") away from the surface of the bumper. **Try to avoid locating the mounting base where two different surfaces meet. Be ABSOLUTELY SURE that there are no obstructions or raised surfaces that would keep the mount from mating 100% FLAT.**

Once this is done take a mental note of the area where the red adhesive backing contacts the vehicle. **Even better is to mark the perimeter of the location with some masking tape.** If this option is chosen it is best to do it BEFORE prepping the surface for adhesion because the adhesion promoter can react with the tape making it hard to remove.

TIP: It may be helpful to make a small centering mark on the mount to help line up the assembly to the vehicle.

Step 3: PREPARING THE SURFACE FOR THE MOUNT

Having established the ideal mounting point it is now time to prepare the mounting surface for the mounting base.

NOTE: Your Carbonio mount kit includes an alcohol wipe and an adhesion promoter packet. These are designed to work specifically on automotive paints and plastics together with the included 3M adhesive and **MUST** be used to achieve a reliable installation. All adhesion must be made on clean and dry surfaces.

*****If your vehicle has had ceramic coating applied in the area where your Carbonio mounting base will be bonded, it is crucial that all remains of ceramic coating be removed using an appropriate cleaning agent (this includes PPF which is pre-impregnated with ceramic coating). Carbonio cannot warranty components that do not adhere to ceramic coated surfaces*****

Step 3a: Open the alcohol wipe packet and use the included cloth to clean both mounting surfaces well. Allow the alcohol at least 30 seconds to evaporate before proceeding.



Step 3b: Open the 3M adhesion promoter packet and use the included sponge to evenly wipe each mounting surface. Once done allow the chemical to dry at least 30 seconds.



NOTE: USING THE 3M ADHESION PROMOTOR IS AN ESSENTIAL STEP THAT IS NOT TO BE SKIPPED. NOT USING THE ADHESION PROMOTOR SIGNIFICANTLY WEAKENS THE ADHESIVE BOND AND VOIDS ANY

Step 4: ADHERING THE MOUNT TO THE VEHICLE

Having located the mount assembly and cleaned / prepared the mounting surface it is time to adhere the mount to the vehicle.

Step 4a: Remove the red backing plastic from each base to expose the adhesive surface.

TIP: Removing the backing can be tricky to start. A sharp knife can help get the backing separated from the tape.

NOTE: Be absolutely sure of your position because the bond between the 3M mounting tape and the car is very strong and IMMEDIATE.



Step 4b: Do not touch or dirty the adhesive surfaces. Locate the mount just separated from its final position and **press it firmly** in place on the cleaned / prepared mounting location – **Continue to press firmly across all of the mount surface areas for 10 seconds, release, then press firmly again and repeat 5 times.**

IT IS NOT POSSIBLE TO REPOSITION THE MOUNT ONCE THE TAPE TOUCHES THE MOUNTING SURFACE



Step 5: **FIXING THE MOUNT POSITION**

With the base adhered to the car it is now necessary to set the position of the mount.

Step 5a: Use the included Allen (hex) key to loosen the side screws enough so that the plate holder portion can be slid in and out and up and down. Locate the plate holder in the position you like best.

TIP: The aim is generally to have the closest point of the plate holder about 5mm (1/4") from the bumper surface.

Step 5b: Once the position is set, lightly tighten the side screws with the Allen key to keep the assembly in position.

Step 5c: Reach underneath and loosen the two large black thumb nuts 1-2 turns and lift out the plate mount assembly leaving behind the receiver on the car. With the assembly now in your hands, use the Allen key to properly tighten down the side screws.



Step 5d: Re-install the mount by fitting the mount into the receivers (reverse of Step 5b) and by tightening the thumb nut firmly by hand.

TIP: Make sure that the mount is all the way into the receivers before tightening down. This ensures that the locking tabs all line up and there is no chance of loosening.

Step 6: **FITTING THE LICENSE PLATE TO THE MOUNT**

North American License Plates

Using a Phillips (star) head screwdriver affix your license plate to the mount using the four screws provided. Note: These screws should be long enough to accommodate most aftermarket license plate frames and there is no issue using a plate frame or cover with the Carbonio mount.

Rest of World (ROW) License Plates (must have been specified at time of order)

Rest of world cars have their license plates adhered to the plate mount using high strength 3M tape that is pre-installed on your plate holder. In order to ensure a good bond, the backside of the license plate must be clean. Use rubbing alcohol or some adhesive promoter (left over from Step 4) on the backside of the license plate in order to prepare its surface for adhesion.

Once the license plate is prepared, remove the red backing from the mounting tape and adhere the plate to the exposed tape.

Take your time and be sure that the plate is straight and centered because you cannot reliably remove and re-position the license plate once it touches the tape.

Step 7: FITTING PROTECTIVE RUBBER BUMPERS

In order to eliminate the chance of any paint damage, 2 self-adhesive rubber bumpers have been included.

One or both of these bumpers should be adhered to the backside of the number plate or mount to act as a safety stop for the front bumper. Ultimately the final location of these bumpers is **up to the discretion of the installer** however the goal of the bumper is to act as a point of contact between the backside of the plate or mount and the paint of the bumper.

TIP: The rubber bumpers are very soft and can be in constant light contact with the bumper without causing any damage. When setting the final mount position (in Step 5) it is ok to set it close enough to the surface of the bumper (less than the height of the bumper) where the mount has a little bit of 'spring' to it. In this way once the bumpers are installed the mount has a *light force* always pushing it into the bumper. This makes for a more stable mounting that better absorbs bumps and vibrations.

Removal of receiver mount

Despite the very strong bond offered by the 3M tape used, it can be removed without damage to the vehicle. The best way to do this is by using dental floss as a 'saw' to cut the foam body of the tape between the base and the vehicle.

Once the tape is cut and the base is removed, the remaining tape residue can be cleaned off of the paint or plastic with a mild solvent and some elbow grease. A soft tool like a wooden popsicle stick can be used to help remove the more stubborn pieces while a light polishing compound can be used to remove the final residue left behind from the tape.