

C&C CarWorx Corp. 400 Market Ind. Park • #19 Wappingers Falls, NY 12590 • USA 1-888-CAR-WORX (227-9679)

FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

– Introduction –



IMPORTANT!

License Plate Brackets cannot be returned due to a failed installation attempt if tape liner is removed.

Please check fitment before beginning the installation.

If you have questions on how to install, please contact us at info@mycarworx.com or call us toll-free at 1-888-CAR-WORX (227-9679).

Helpful General Information to Read Before Installing

All of our license plate brackets are designed and manufactured so they screw into the existing license plate mounting locations in the Toyota bumpers. Toyota provides dimples in the front bumper for the mounting of license plates. These dimples are not holes until you screw into them with our supplied screws which have a very sharp point designed to create the opening required to gain access to the factory-installed fasteners. Toyota does not open these holes because there are states that do not require front license plates.

Some Toyota models come with holes in the front bumper, (some square, some round,) which are for non-U.S. plates. These holes are not used in the installation of this product. You will notice that on those models, the dimples are found in the area between the non-U.S. holes in the center of the bumper. So, when you install our front license plate bracket, you can easily use the dimples as the location into which to mount this product. Not only does that make installation easy, it preserves the integrity of your model's design. And once installed, the front license plate bracket will cover up any non-U.S. holes giving your vehicle a clean, sleek, finished appearance.

ABOUT SUPPLIED SCREWS

There are 4-packs and 6-packs of stainless steel screws supplied for the various models. (See next pages for model parts.) There are two types of 4-packs: those with 4 long screws and those with 2 long and 2 short screws. 4-packs are used in the installation of top-mount brackets with the long screws used with washers through the top holes to install the bracket into the bumper. In cases where you need to use long screws in the bottom holes as well, the screws are not long enough to reach or puncture the lower part of the bumper. The bottom screws used with washers are to fasten the license plate and any surrounding vanity frame to the bracket. 6-packs are used for center-mount brackets where the long screws are used in the center holes without



washers to install the bracket to the bumper. The short screws are used with washers through the 2 top and 2 bottom holes to fasten the license plate and any surrounding vanity frame to the bracket. When installing screws, be careful to **lightly** tighten them to avoid damage to washers or warping of the bracket. Once cured, the heavy-duty **3M** tape supplied on each bracket will do the job of holding it in place so the screws don't need to be excessively tight. Self-closing black caps or separate caps are supplied to snap over washers when installation is complete.

ABOUT WASHERS AND CAPS

Be careful to use washers with wide outer rim facing out so that screw sits down recessed inside washer when in place. If your washer is upside down, your screw will not be recessed when installed and black cap will not fit over it properly. (See page 4 for washer photo and details.)

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— Toyota Model Parts as of May 2015 —

MORE ABOUT, SCREWS, WASHERS AND CAPS

A typical packet of screws, washers and caps which should arrive in your shipment.



Your packet may contain long screws, short screws and washers with self-closing caps or separate caps. Quantities vary by product installation need.



Shown below: A variety of screws, washers and 2 styles of screw caps which are both suitable for these installations.



TC-12-FP (Front)



Fits 2012-2013 Toyota Camry
Center Mount Bracket

Comes with 6 screws (2 long, 4 short), 4 washers and 4 caps

TC-12-FP (Back)



Fits 2012-2013 Toyota Camry
Center Mount Bracket

Comes with 6 screws (2 long, 4 short), 4 washers and 4 caps

TC-14.5-FP (Front)



Fits 2014.5 Toyota Camry
Center Mount Bracket

Comes with 6 screws (2 long, 4 short), 4 washers and 4 caps

TC-14.5-FP (Back)



Fits 2014.5 Toyota Camry
Center Mount Bracket

Comes with 6 screws (2 long, 4 short), 4 washers and 4 caps

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FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

Using a top-mount sample

– page 1 –

After following instructions on pages 1-5 for the top-mount installation, there are additional instructions more specific to center-mount installations beginning on page 6. For best results, installation temperature should be above 60° F.

- 1) Find the 2 dimples on the front bumper. They are located near the center of the vehicle. This is where the license plate bracket mounts.
Note: The square holes are for non-U.S. vehicle plates and are not used in this installation.



- 2) Trial fit the license plate bracket to the vehicle to verify fit.



- 3) Take a supplied screw and use it to start a hole at each of the dimples on the front bumper. Using a short screw is the easiest. Once you have opened the dimples with the short screws, remove the short screws to continue with the installation.



FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

Using a top-mount sample

– page 2 –

4) Thoroughly clean the area where the license plate will mount.
Then wipe the area where the tape will adhere to the bumper with an alcohol wipe.



Orange cellophane indicates where tape will adhere to bumper once cellophane is removed. This tape is **3M** Automotive Attachment Tape, the same type of tape used to hold body side moldings to vehicles. It is not made to be easily removed. See **3M** info on pages 11 and 12 to read tips on best practices for successful installations or repair procedures should you inadvertently contaminate tape.



5) Being careful not to touch the tape with your hands,
peel the tape liner off the tape on the license plate bracket.

FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

Using a top-mount sample

– page 3 –

8) Push the 2 long mounting screws through the mounting holes and line them up with the dimple holes you made earlier in the front bumper. Screw the 2 mounting screws into the bumper until lightly tightened.



At right is screw shown from back of bracket.



Below is view from the top as you guide screw toward dimple hole.



FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

Using a top-mount sample

– page 4 –

9) Press the license plate bracket tape areas firmly against the bumper.



The long screws are used to mount the license plate bracket to the vehicle bumper.

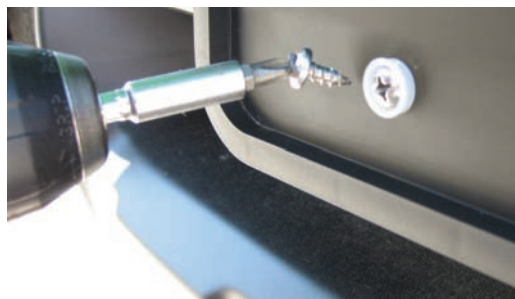
The top holes on the top-mount bracket are the larger diameter holes molded into the license plate bracket which are used as the mounting holes.

The long screws will easily slide through these holes. The short screws are used with washers to hold the license plate to the bracket.



AN IMPORTANT NOTE ABOUT WASHERS

Washers have a wider, more pronounced rim like a pie plate when viewed from the top. The screw must sit down recessed into the washer when installed so black cap will fit over it properly. If you have the washer upside down, the screw will not be recessed.



10) Remove the 2 top screws.

Using the 4 white washers that will hold the license plate to the license plate bracket, add 2 white washers to the top longer screws, and 2 white washers to the 2 bottom shorter screws so the head of the screw fits down into the white washer.

Now place your license plate / license plate vanity frame into the license plate bracket and reinstall the 2 top long mounting screws with washers into the top mounting holes.

Add the 2 bottom screws with washers, and lightly tighten all screws.

FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

Using a top-mount sample

– page 5 –

- 11) Snap the black cap covers over the 4 white washers that hold the license plate to the license plate bracket.



- 10) Do not wash your vehicle for 72 hours after installation. Rain will not affect the tape curing process.
The supplied screws are Stainless Steel to prevent rusting.
Below, the top-mount bracket is shown installed on a 2010 Subaru Forester.



FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

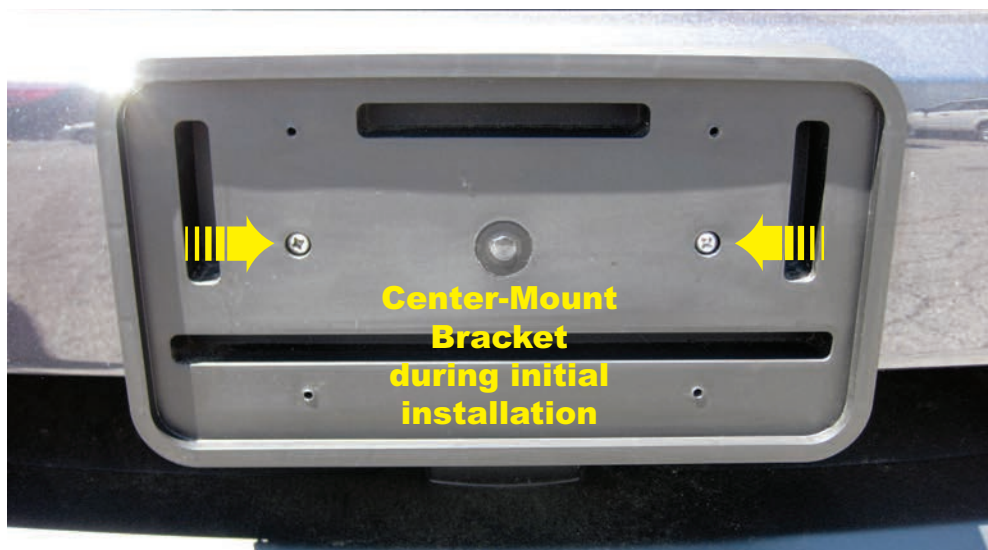
– page 6 –

Center-Mount Bracket Installation:

Dimples located in front bumper and screws temporarily in place to open holes where license plate bracket will mount using a center-mount bracket.



Below: Center-mount bracket screwed into holes made above, after having cleaned the area, removed tape cellophane, and pressed bracket onto clean bumper for good tape adhesion in preparation for complete license plate installation. (Review page 2 and other previous pages for information about cleaning, tape preparation, etc. Also see **3M** tape info on pages 11 and 12.)

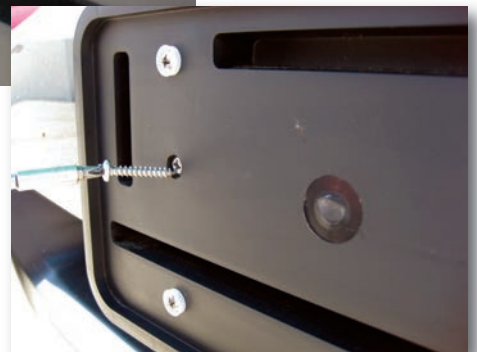


FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

– page 7 –



Some license plate brackets are supplied with 6 screws. The 2 long screws are used in the mounting holes in the center of these license plate brackets to mount the bracket to the bumper. These screws do not use any washers, or caps since they are recessed into the bracket and will be covered by your licence plate.



Use the white washers with the short screws in the 2 top and 2 bottom holes which will be used to hold the license plate to the bracket.



FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

– page 8 –



The center-mount bracket shown
with black cap covers snapped over 3 white washers
that will hold the license plate to the bracket.

Do not wash your vehicle for 72 hours after installation. Rain will not affect the tape curing process.
The supplied screws are Stainless Steel to prevent rusting.



RP-17

REAR LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

RP-17 • Front



Fits most
vehicle years,
makes or models.
Comes with all
necessary hardware.

RP-17 • Back



The RP-17 Rear License Plate Bracket is designed and manufactured to screw into the existing license plate mounting locations on each vehicle. Not only does that make installation easy, it preserves the integrity of your model's design.

RP-17 rear license brackets are supplied with a hardware packet consisting of 4 screws, 4 screw covers with attached closing caps, 4 screw bushings and 4 multi-retainers. Some applications will require only 2 screws and 2 of the multi-retainers since some vehicles will only have 2 license plate mounting holes.

When installing screws, be careful to **lightly** tighten them to avoid damage or warping of the bracket. Once cured, the heavy-duty **3M** tape supplied on each bracket will do the job of holding it in place.

When installation is complete, simply snap black screw cover caps over screw heads for a clean, professional finish.

FOR COMPLETE INSTALLATION INSTRUCTIONS, PLEASE VISIT:
<https://goo.gl/uAxFm2>





Repair Procedures for Pressure-Sensitive Trim Using 3M™ Automotive Attachment Tapes

Technical Update

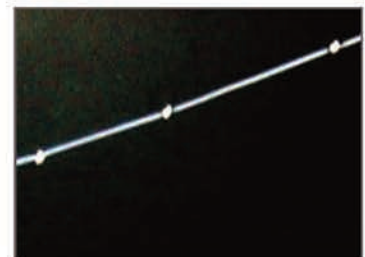
January 2006

Supersedes Technical Update dated December 2003

This technical update outlines the recommended procedures for repairing pressure-sensitive body side moldings (BSMs) and trim attached with both black 3M™ Automotive Acrylic Plus Tapes and gray 3M™ Automotive Acrylic Attachment Tapes. The following procedures offer specifics on removal and re-application of BSMs and trim.

Remove the Body Side Molding (BSM) or Trim from the Vehicle

1. Use a piece of monofilament line and make several knots spaced about 1 inch apart.
2. Use the knotted monofilament to saw through the tape and remove the trim without damaging it or the vehicle surface. (Use of gloves recommended.)



Step 1

Remove the Tape/Residue from the Vehicle

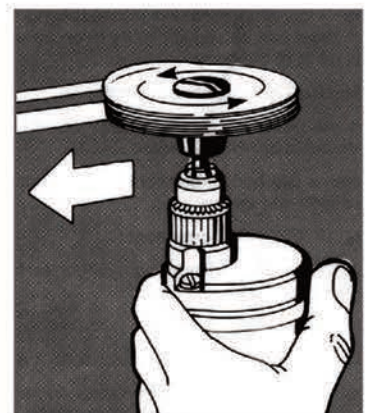
3. All tape/residue must be completely removed from the vehicle surface. Use a 3M™ Stripe-Off Wheel (Part Nos. 07498 or 07499, which are solid wheels) to remove the tape/residue without damaging the vehicle surface.
4. The following technique is necessary for the removal wheel to work with the black 3M™ Acrylic Plus Tapes: The wheel must rotate clockwise and be applied to the tape from right to left. Or, the wheel must be rotating into the tape to remove it without smearing.
5. After removal of the tape/residue with the wheel, use 3M™ Prep Solvent-70 (Part No. 08973) as a cleaning wipe. Then wipe with isopropyl (rubbing) alcohol and dry with a clean, lint-free cloth.



Step 2

Remove the Tape/Residue from the BSM/Trim

6. All tape/residue must also be removed from the BSM/trim.
7. This can be accomplished with the 3M Stripe-Off Wheel, using caution not to gouge the backside of BSM/trim.
9. Or, the BSM/trim can be placed in a suitable container and 3M™ Citrus Base Cleaner (3M ID No. 62-4615-4930-5) sprayed to saturate the tape on the part. Allow the BSM/trim to soak in the 3M Citrus Base Cleaner for 12-24 hours with the tape side down in the cleaner. Then use a plastic squeegee to remove the softened tape/residue.
9. Clean off any remaining residue with the 3M Citrus Base Cleaner by scrubbing with a cloth and wipe with isopropyl (rubbing) alcohol. Dry with a clean, lint-free cloth.
10. Other solvents, such as 3M™ General Purpose Adhesive Cleaner (Part No. 08984) or 3M Prep Solvent-70 (Part No. 08973) can be used to clean the tape/residue from the BSM/trim, but caution must be used to assure they do not attack or mar the parts.



Step 4

Apply Adhesion Promoter to BSM/Trim

11. Prime the BSM/trim with 3M™ Automotive Adhesion Promoter (Part No. 06396) in the areas the tape will be applied.
12. Be careful not to drip or spill the primer on the BSM/trim face as it may craze or damage the finish.
13. The use of the 3M™ Automotive Adhesion Promoter (Part No. 06396) will assure an optimum bond due to the widespread use of low surface energy plastics by the automotive industry.



Step 11

Apply 3M™ Automotive Acrylic Plus Tape to BSM/Trim

14. Apply the 3M™ Automotive Attachment Tape to the BSM/trim, being careful not to entrap air between the part and tape.
15. Use a hard rubber roller or firm hand pressure to securely bond the tape to the BSM/trim.
16. Keep all contaminants (fingers, gloves, cloths, etc.) off the adhesive surface of the tape while applying it. Store the BSM/trim with the new tape applied in a clean area until it is re-applied to the vehicle.



Step 14



Step 15

Re-Apply the BSM/Trim to the Vehicle

17. Apply BSM/trim to a clean, dry vehicle (as previously described).
18. Application temperatures below 60°F should be avoided. It is important that the vehicle not have any condensation on it (i.e., a cold vehicle moved into a warm shop). If necessary, warm the vehicle surface with a heat gun to obtain the recommended vehicle surface application temperature of 60°F to 110°F.
19. Apply BSM/trim with a rolling motion and with firm pressure to assure maximum tape contact with the vehicle, resulting in greater adhesion.
20. Use a hard rubber hand roller to roll the BSM/trim on the vehicle. Apply firm pressure while rolling to ensure complete adhesive wet-out and a good bond.
21. Check the edges of the BSM/trim to verify good tape adhesion. Re-roll the BSM/trim with more pressure if necessary.

Important Precautions and Recommendations

- DO NOT...**
- Touch or contaminate the exposed adhesive surface of the tape.
 - Let the tape sit around with the adhesive surface exposed.
 - Apply the new tape over the old tape or tape residue.
 - Use an adhesion promoter on the painted surface of the vehicle.
- DO...**
- Use recommended 3M products for repair of all automotive BSMs and trim.
 - Read and follow safety precautions on the product label and MSDS for each product used in this procedure.

3M™ Automotive Adhesion Promoter 06396 is recommended for tape bonding to all plastic substrates. Please contact your 3M sales representative with application or performance questions.

Note: All statements, technical information and recommendations herein are based on tests 3M believes are reliable. 3M does not warrant or guarantee the accuracy or completeness of this information.

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Automotive Aftermarket Division
3M Center, Building 223-6N-01
St. Paul, MN 55144-1000
www.3M.com/automotive



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