



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).

FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

**To Fit 2020, 2021, 2022, 2023 Jeep Wrangler Sport • Sport S • Sport Altitude
Plus 2020, 2021, 2022 Wrangler Freedom Edition**

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 Jeep Wrangler bumpers.

Jeep provides dimples in the front bumper for the mounting of license plates.

"Dimples" in Jeep Front Bumper



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. Jeep does not open these holes because there are states that do not require front license plates.

ABOUT SUPPLIED SCREWS FOR FRONT LICENSE BRACKETS

There 6-packs of stainless steel screws supplied for the various models of front license plate brackets. (See next pages for model parts.)

6-packs are used for recessed-screw mounting brackets where the long screws are used in the bigger recessed holes without screw covers to install the bracket to the bumper. The short screws are used with screw covers through the 2 top and 2 bottom holes to fasten the license plate and any surrounding vanity frame to the bracket. (Note: self-closing screw covers have replaced washers in most newer models.)

IMPORTANT: 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 so the screws don't need to be excessively tight. Self-closing black screw covers are supplied to snap over screw heads when installation is complete.



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FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

— Jeep Wrangler Model Parts as of Feb 2023 —

MORE ABOUT SCREWS, WASHERS AND SCREW COVERS

Note: Washers may not be used for your application since screw covers with self-closing caps have replaced them.

A typical packet of screws and screw covers which should arrive in your shipment.



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



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



JW-20-FP • Front



**JW-20-FP
Side View**



JW-20-FP • Back



Fits 2020, 2021, 2022, 2023 Jeep Wrangler Sport, Sport S, Sport Altitude
and 2020, 2021, 2022 Wrangler Freedom Edition

Recessed-Screw Mounting Bracket

Comes with 6 screws (2 long, 4 short), 4 screw covers

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FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

— Jeep Wrangler Model Parts as of Feb 2023 —

**JW-20-FP fits 2020, 2021, 2022, 2023 Jeep Wrangler
Sport, Sport S, Sport Altitude
plus 2020, 2021, 2022 Wrangler Freedom Edition Models**



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FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

Using FO-09-FP (Subaru Forester 2009-13) as a top-mount sample.

– page 1 –

After following instructions on pages 1-5 for the FO-09-FP, there are additional instructions more specific to **recessed mounting brackets** 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.



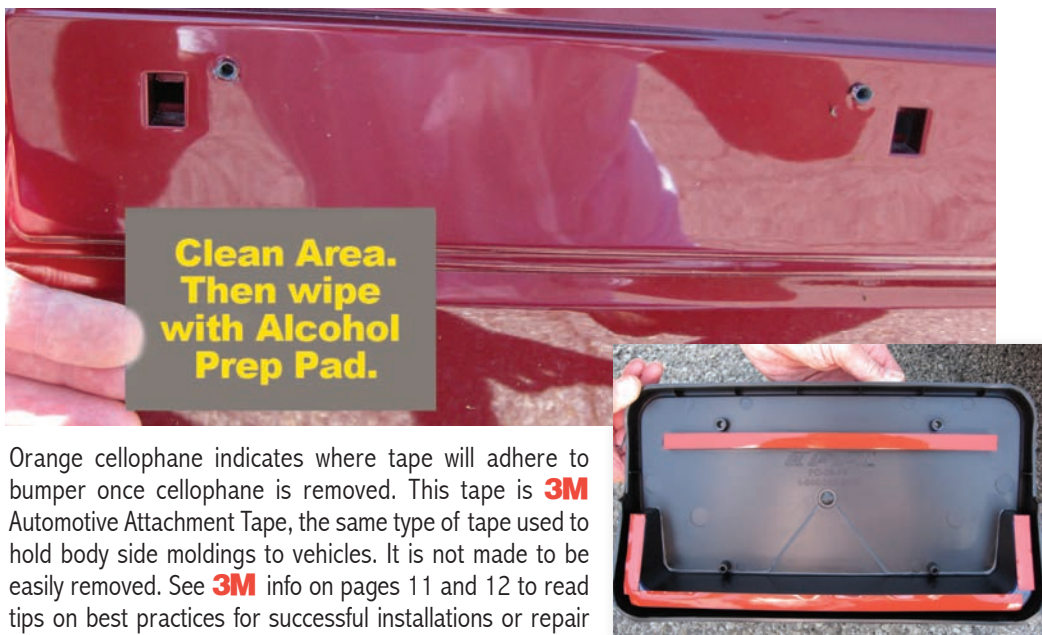
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FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

Using FO-09-FP (Subaru Forester 2009-13) as 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.

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FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

Using FO-09-FP (Subaru Forester 2009-13) as a top-mount sample.

– page 3 –

6) 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 FO-09-FP (Subaru Forester 2009-13) as a top-mount sample.

– page 4 –

7) 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.

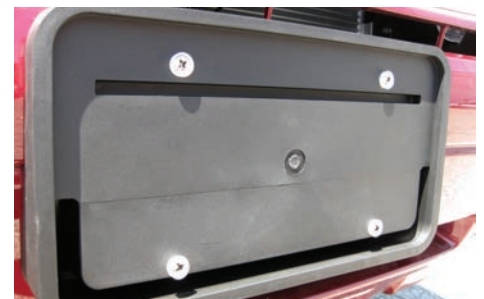
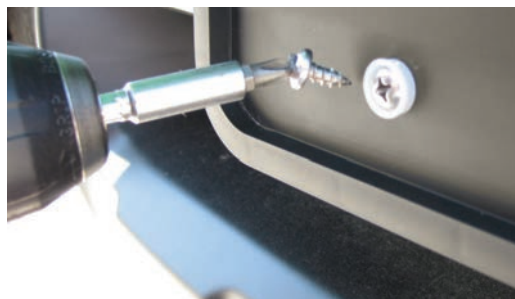
The top holes on the FO-09-FP Forester bracket are the larger diameter holes molded into the license plate bracket which are used as the mounting holes.

The long screws will easily slide through these holes. In some older models, the short screws are used with washers to hold the license plate to the bracket. In most new models, the short screws are used with self-closing screw covers to hold the license plate to the bracket.



AN IMPORTANT NOTE ABOUT RARELY USED 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.



8) Remove the 2 top screws. Depending on your model, you may use the 4 white washers that will hold the license plate to the license plate bracket. Then add the 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. If you were supplied with screw covers which replace the washers, insert screws as above. Now place your license plate / license plate vanity frame into the license plate bracket and reinstall the 2 top long mounting screws with washers or screw covers into the top mounting holes. Add the 2 bottom screws with washers or screw covers, and lightly tighten all screws, then close screw cover caps.

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FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS

Using FO-09-FP (Subaru Forester 2009-13) as a top-mount sample.

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- 9) Snap the black cap covers over the 4 white washers or close the screw cover caps 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 FO-09-FP Forester bracket is shown installed on a 2010 Forester.



FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS BASED ON SUBARU MODEL

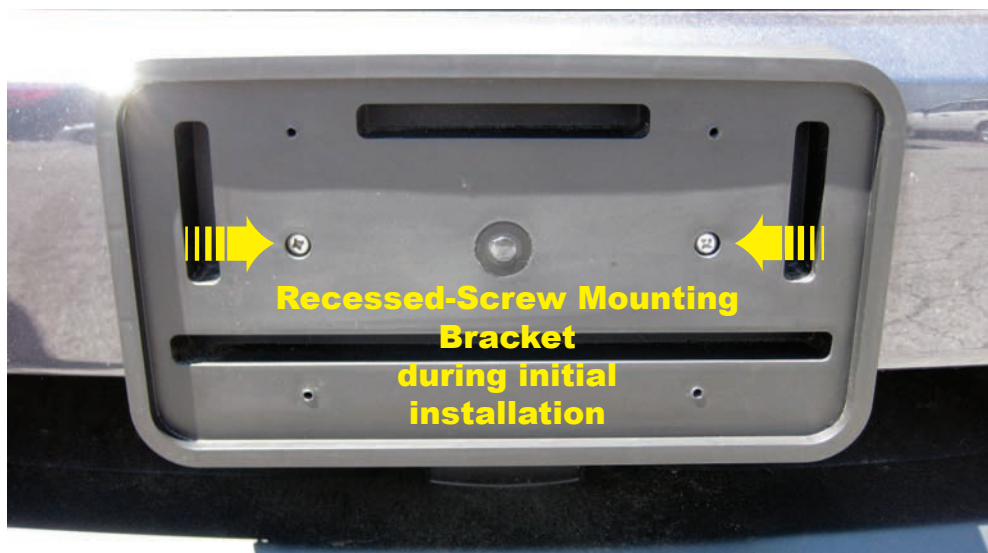
— page 6 —

Recessed-Screw Mounting Bracket Installation:

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



Below: Recessed-Screw Mounting 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 last 2 pages.)

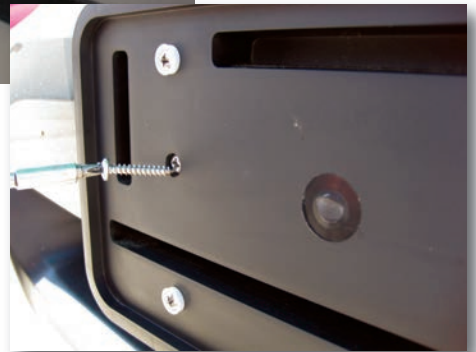


FRONT LICENSE PLATE BRACKET INSTALLATION INSTRUCTIONS BASED ON SUBARU MODEL

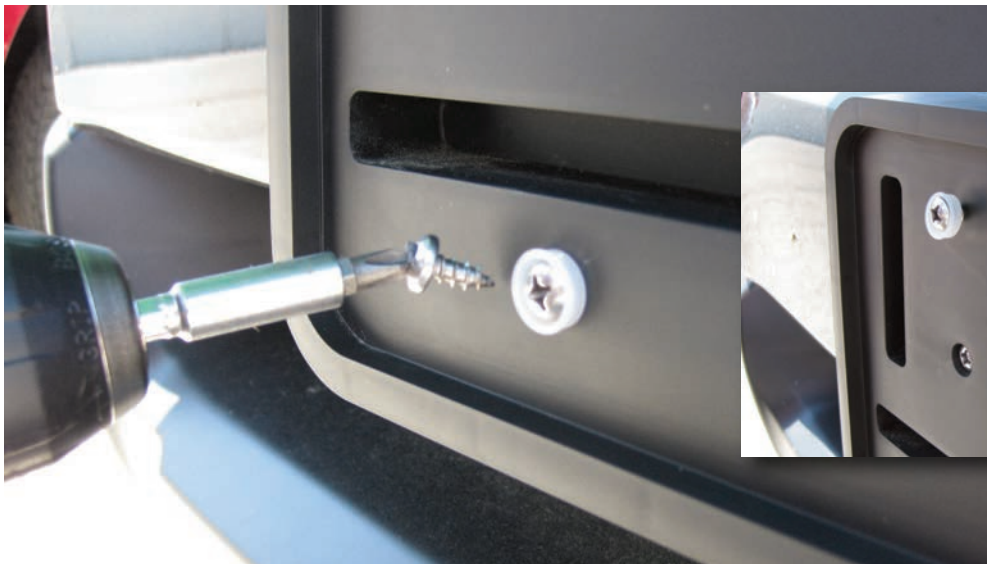
— page 7 —



Jeep 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 screw covers since they are recessed into the bracket and will be covered by your licence plate.



Use the white washers or self-closing screw covers 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 BASED ON SUBARU MODEL

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The Recessed-Screw Mounting Bracket shown with black cap covers snapped over 3 white washers that will hold the license plate to the bracket. Most newer models now use self-closing screw covers which accomplish the same goal.

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.





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

Technical Update

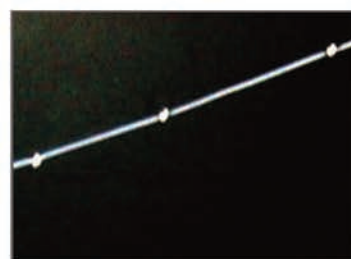
January 2006

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

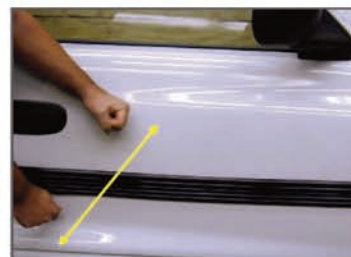
1. Use a piece of monofilament line and make several knots spaced about 1 inch apart.
2. Use the knotted monofilament to saw through the tape and remove the trim without damaging it or the vehicle surface. (Use of gloves recommended.)



Step 1

Remove the Tape/Residue from the Vehicle

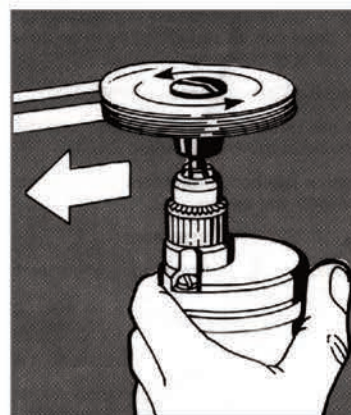
3. All tape/residue must be completely removed from the vehicle surface. Use a 3M™ Stripe-Off Wheel (Part Nos. 07498 or 07499, which are solid wheels) to remove the tape/residue without damaging the vehicle surface.
4. The following technique is necessary for the removal wheel to work with the black 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

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.



Step 15

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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