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## **DODGE CHALLENGER AERO-PLATE (MADE IN USA) FRONT LICENSE MOUNTING BRACKET (PATENT US 7401427B) INSTALLATION AND CLEANING INSTRUCTIONS (UPDATED 2014)**

### **CAREFULLY READ THIS ENTIRE DOCUMENT BEFORE PROCEEDING**

Congratulations on your purchase of the MMI Aero-Plate front license plate bracket for the Dodge Challenger, it is the finest bracket available for the Challenger.

The MMI Aero-Plate front license plate bracket for the new generation Dodge Challenger gives you a better option of not marring the front bumper of your car with the factory license plate bracket. Many owners risk getting a ticket in those states that require a front registration plate to be displayed on the front of the car just because the factory bracket is big, gaudy, and takes drilling four holes in the most “eye-catching” part of the Challenger, it’s front end.

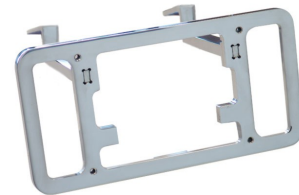


Figure 1

The Aero-Plate bracket is simple to mount and takes less than 1 hour, when using the proper tools. The only holes needed to be drilled are the two used to mount the bracket arms to the bumper brace, out of sight, behind the fascia of the front bumper.

**ALWAYS TAKE THE PROPER SAFETY STEPS WHEN WORKING ON YOUR CAR AND OBEY ALL MANUFACTURER INSTRUCTIONS RELATING TO WORKING ON THE CAR ESPECIALLY THE JACKING AND SECURING OF A RAISED VEHICLE. ALWAYS WEAR PROPER SAFETY GOGGLES.**

### **I. Required Tools.**

1. 5/16” hex socket – 1/4” drive.
2. 1/4” ratchet wrench with short extension.
3. 5/64” Allen wrench.
4. Electric drill, 1/8” drill bit and center punch.
5. Safety goggles.
6. Jack, jack stands and wheel chocks if jacking up the vehicle.
7. Blue thread lock.

## II. Installing Your Aero-Plate Bracket

The first thing to do is pick the manner of getting under the front end of your car. A lift will make the installation much easier, faster, and safer. A “pit” is also a good alternative. If jacking the car, follow the instructions from the manufacturer and use jack-stands and wheel chocks.

1. If your car is equipped with the shroud under the radiator and motor, remove it. This does not pose a problem as the shroud has to be removed during routine oil changes and is designed to be removed and replaced for service. The shroud is in two pieces, both need to be removed.

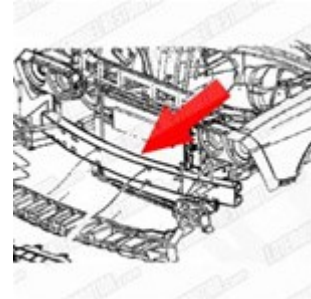


Figure 2

2. You will now see the lower grille below the bumper. The grille has two rows of holes. Notice the two arms of the Aero-Plate bracket fit precisely through these holes. You will also see the bumper brace to which the arms will mount. See Figure 2.

3. Find the center of the grille and count out to the 4<sup>th</sup> hole on each side from the center, the 3<sup>rd</sup> and 4<sup>th</sup> holes for 2011 and newer models. These are the holes through which the arms will be fed.

4. From behind the grille, slide the arms through the holes in the position depicted in Figure 3.

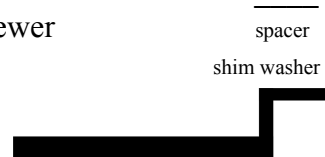


Figure 3

5. Attach the license mounting plate to each of the arms as shown in Figures 1 & 4. Apply a small drop of blue thread lock (not supplied) to the tips of the set screws. Secure the arms using the set screws and tighten them in place with a 5/64” Allen wrench. **It is important that the set screws remain tight so check them periodically.**



Figure 4

6. Slide the assembled bracket back towards the bumper. Place the bracket approximately 1/8 inch from contact with the center of the bumper as shown in Figures 4 & 5.

7. Make sure the assembled bracket is straight. For 2011 and newer models use provided aluminum spacers, see figure 3, 2014s may need 1 to 2 1” shim washers between top arm & spacer. From behind the grille, mark the attachment holes on the arms to the bumper brace. A spring-loaded punch works well for this.



Figure 5

8. Where you have determined to mount the arms, drill a 1/8”

hole into the bumper brace where you have made the marks.

9. Apply a drop of blue thread lock to the threads of the #10 stainless steel attachment screws. Attach the arms with the #10 stainless steel screws and small washers. Do not tighten the screws until you are satisfied the bracket is straight. Then tighten the screws.

10. Replace both shroud pieces.

11. Mount your license plate or license plate and license plate frame combination to the bracket mounting plate using four 1/4" – 20 screws (not supplied). We recommend using stainless steel screws. Custom screws are also available. See Figures 5 & 6. We caution you to check your local and state laws regarding license plate frames as many states are now strictly enforcing their laws regarding frames that cover any of the information on tags.



Figure 6

12. **The Aero-Plate bracket should only be used for normal street applications under normal driving conditions and should not be used in high speed/racing applications.**

### **III. Aero-Plate Cleaning Instructions.**

Your Aero-Plate bracket is designed and finished to last for years. Only clean the Aero-Plate bracket with standard car wash detergent **otherwise the finish will be damaged.** **Do not use any harsh cleaners, such as, Fantastic, Simple Green or Orange Blast.**

*Notification/Disclaimer: The Aero-Plate, front license plate mounting bracket, has a limited Ninety (90) day, form date of purchase, Original Manufacturer warranty, to the Original Purchaser, against defects in materials and workmanship only and has no other warranties what so ever either expressed or implied. Purchaser/User assumes all risk, responsibility and liability for any and all damages resulting from or arising out of the installation and/or use of the Aero-Plate license bracket. Dodge Challenger Aero-Plate is the Proprietary Property of Man Machine Interface, Inc., Duplication in whole or in part is Strictly Prohibited.*

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