

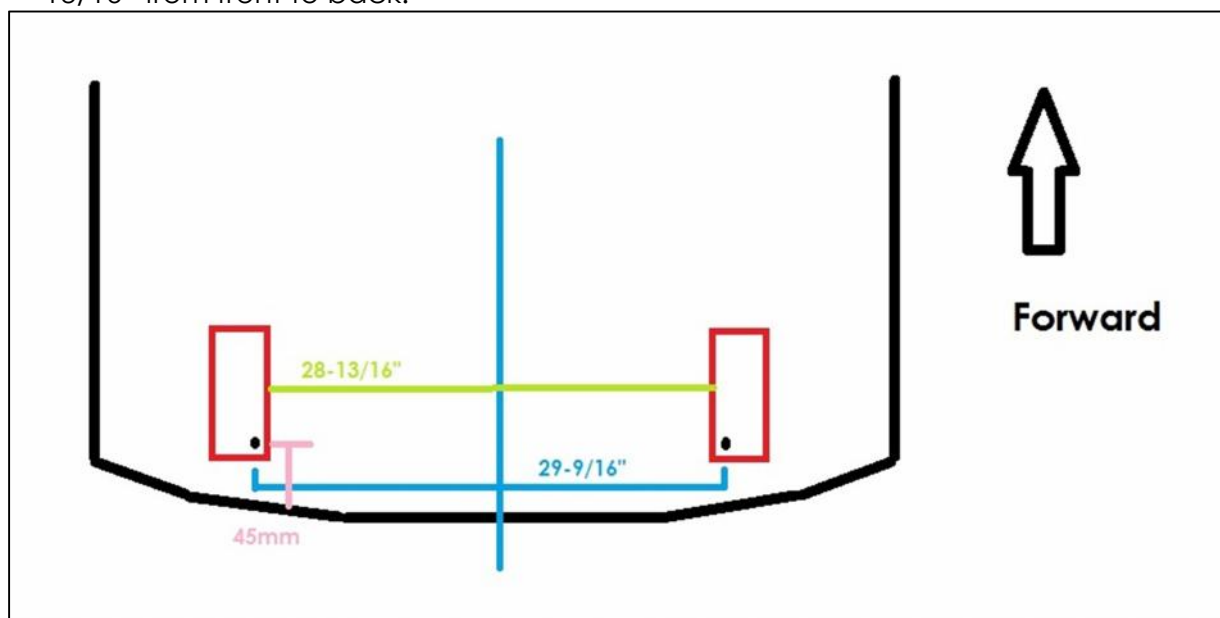


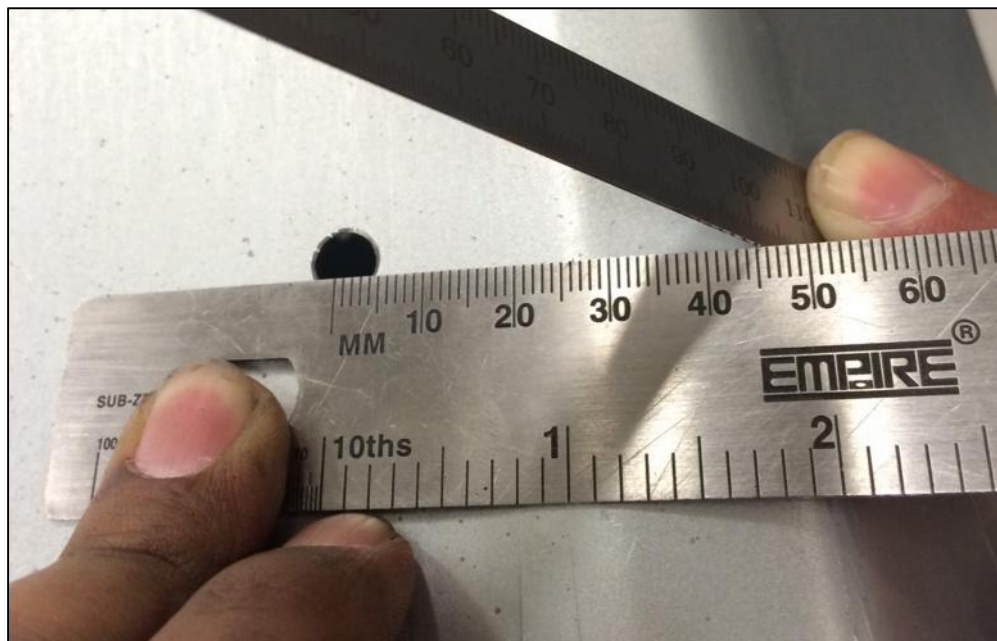
WATSON RACING 2010-14 Mustang G-STREAM WING MOUNTS INSTALLATION INSTRUCTIONS

p/n WR-REARWINGSPT

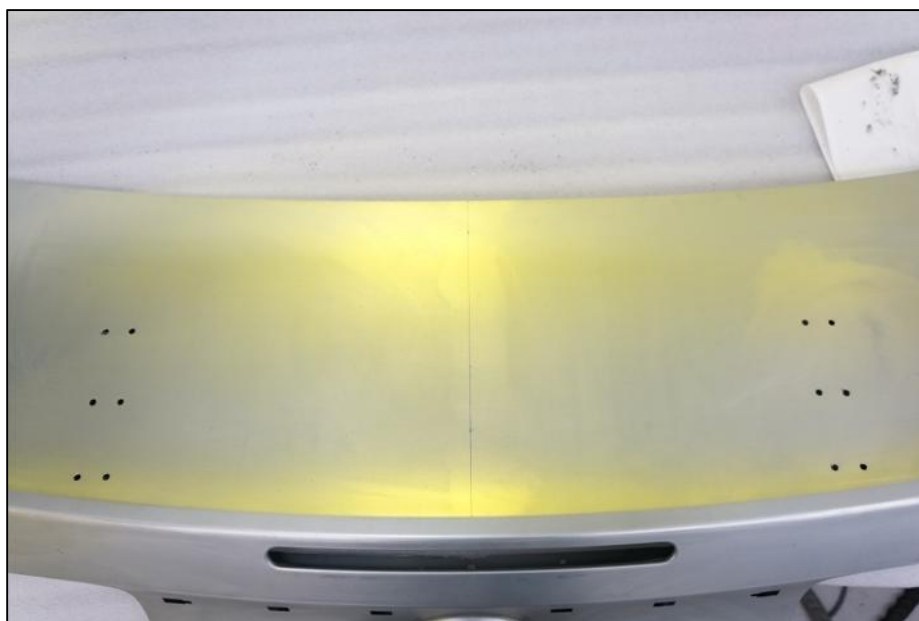
The Watson Racing G-Stream Wing Mount kit was designed for professional installation, using some of the existing holes in the underside of the trunk lid while also requiring some cutting/modification. **Please read through ALL instructions before starting.** Be sure to take all necessary steps to protect your paint- masking tape, etc.

- 1) On the top of the trunk lid, find the centerline of the trunk by measuring across (left to right) near the base of the rear window, and again towards the rear of the trunk lid. Find the center of these two measurements, and place a mark on masking tape in both locations. Connecting these two points by drawing a straight line should indicate the center of the trunk lid. Check by measuring from the edge of the trunk lid to this line, from both left/right sides of the trunk lid.
- 2) Using the graph below and its measurements as a reference, place the G-Stream uprights on the trunk lid, and mark your holes with a fine marker or center punch. The vertical blue line is the centerline of the trunk lid, and can be used for measurement reference and placement of the uprights. The 'feet' of the uprights are placed 28-13/16" apart (centered), as measured from their inside edges. If measured from the centerpoint of the lower/inner mounting holes, they are 29-9/16" apart. The center point of the same lower/inner mounting hole is approx. 45mm from the rear edge of the trunk lid (see picture on following page). Please note that the feet of the wing uprights are parallel to each other, and **NOT** parallel to the left/right edges of the trunk lid (which skew outward as you move toward the front of the car). Careful measurements must be used to ensure the uprights are parallel to each other and pointing straight- i.e- the measurement between the feet should be a consistent 28-13/16" from front to back.

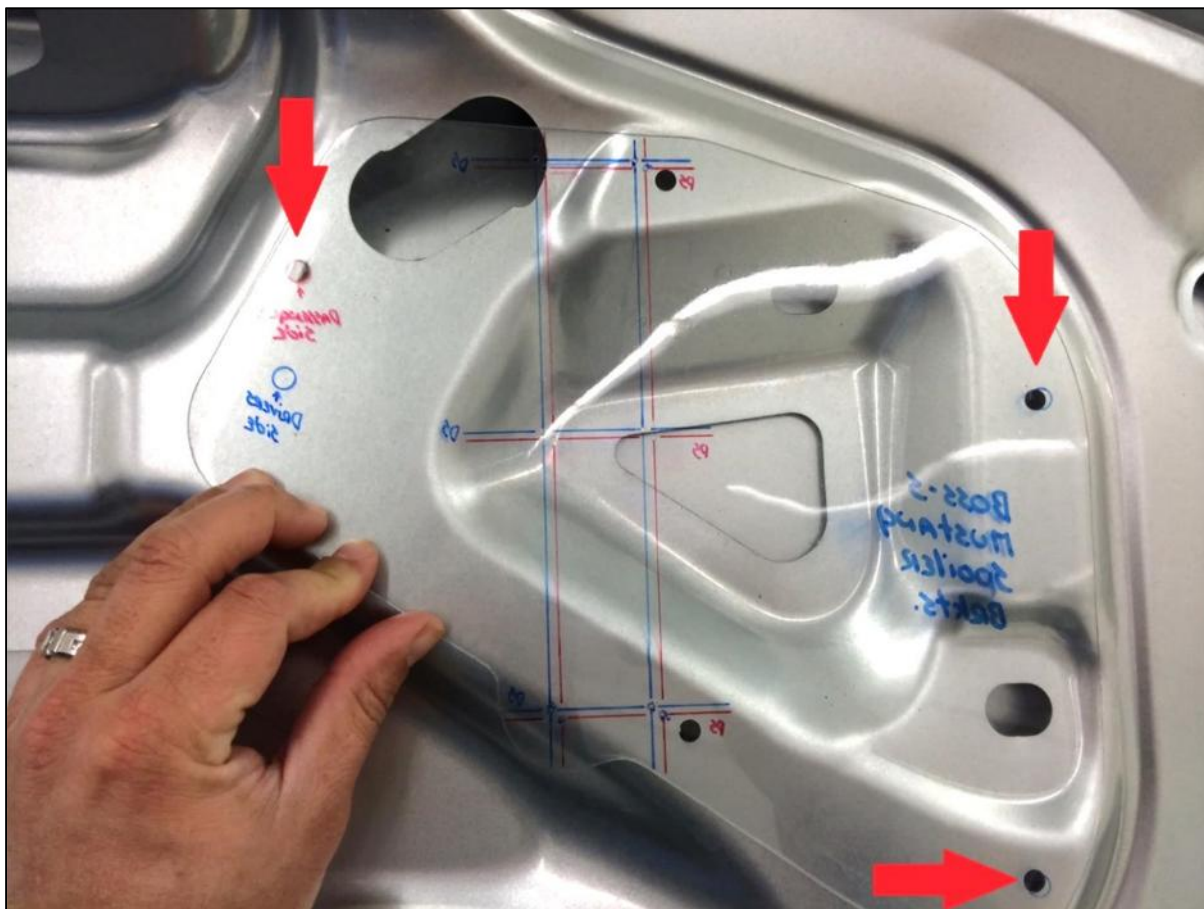




- 3) Drill these 12 holes with a 7mm drill bit, or to the size of the fastener you are using to attach the wing uprights. All 12 holes drilled, note center line on trunk lid:



- 4) Before beginning work on the underside of the trunklid, please look over the template carefully to familiarize yourself with the hole pattern/layout and which holes are specific to the left and right sides. The 6 spoiler upright mounting holes are close, but are actually in slightly different locations from side to side. The same template will be used on both sides of the trunk lid.
- 5) With trunk lid open, align the template on either the right side or left side of the trunk lid. Using the picture below as reference, note that the template aligns with THREE existing holes on either side (red arrows), and that the inner-most of these three holes (above the hand in the photo) is different from left to right. Tape template in place.



- 6) Using a fine-tipped marker or center punch, mark the 6 mounting holes specific to the side of the trunk lid that you are working on. Observe that one of these holes may not fall onto the inner layer of sheet metal. Drill the 5 holes that land on the inner metal with a 1/8" pilot drill bit. ***NOTE:** You may drill all the way through the trunk lid to locate the same 6 holes on the top/surface of the trunk lid, but this can be risky as the holes can be misplaced on the top of the trunk lid, depending on the angle you are holding your drill.
- 7) Enlarge 5 of the 6 holes (the 5 on the inner trunk lid layer) to 1-1/8" using a hole saw, Rotabroach circle cutter, pencil grinder, etc. The intent of these large holes is to allow clearance for the mounting bosses on the back of the Watson mounting plates. The material to be removed is **ONLY** to be removed from the layer of metal on the underside of the trunk lid- **DO NOT** cut/drill the 1-1/8" holes all the way through the top-side sheet metal. Refer to the picture on the following page.
- 8) In picture on the following page, note the circled pieces of scrap metal that were removed from between the 1-1/8" holes cut in the trunk lid. This is optional, but can be accomplished with an air body saw or cut-off wheel. For the very top two mounting holes, only one 1-1/8" hole was cut, then the hole was opened up into the existing hole towards the left.



- 9) The Watson Mounting Plates are attached to the trunk lid using the same 3 alignment holes outlined in Step #5 above. Depending on the resources you have at hand, we prefer to install Rivnuts into these three holes, which are essentially crimped rivets with internal threads. There are many tools and methods for installing these, including pneumatic rivnut setters, hand crimpers, or using a nut and bolt.



Rivnuts installed (circled):



Alternatively a threaded “u-nut” or “j-clip” can also be used by drilling a hole (large enough for the u-nut) immediately next to the hole you intend to use with the bolt. Slide the u-nut into the hole you drilled, and center its threads over the hole for the mounting bolt.



- 10) Loosely install the Watson mounting plates to the trunk lid using three bolts that match the thread of the rivnuts or u-nuts you used. Then, loosely install wing uprights to the top of the trunk lid and through the Watson mounting plates, only finger-tightened at this time. Install the spoiler to the uprights, and begin the process of tightening all fasteners. A thread-locking compound is highly recommended.



Thank you for choosing Watson Racing products! If you have any technical questions or comments, please call us at: 855-WATRACE (928-7223).