



1969-70 Rear Trunk Lid Spoiler Installation Instructions

Thank you for purchasing what we at National Parts Depot believe to be the finest reproduction wing made to date. The contours of the wing, stanchions and brackets are as correct as we can make them. The hardware included with this wing is supplied to us by AMK Products and is also as correct as original records allow. We ask you to proudly display this wing in MCA judged shows as we have received a Certificate of MCA Approval for a Concours Reproduction Part.

Read all instructions carefully and understand them before doing any actual work on the trunk lid or wing.



Outside mounting plate



Inside mounting plate



Reinforcement plate, 442A10-50A not included but sold separately.

D) Wing assembly

A) Each stanchion is attached to the spoiler using a flat retainer plate, a pivot plate, six sheet metal screws, and an Allen head bolt and washer.

B) The stanchions fit either side. Lay the spoiler upside down on a non-abrasive surface. With the stanchion placed in the wing slot, lay in the flat retainer plate to the outside of the stanchion and tighten down with 3 sheet metal screws.

C) The pivot plate attaches to the inside of the stanchion with 3 more sheet metal screws.

D) Tighten the Allen head bolt with a washer through the retainer plate and into the stanchions threaded hole.

E) Screw the studs into the bottom of the stanchion.

F) Duplicate this process on the other side.

II) Wing Mounting

A) Note that cars that were originally equipped with a rear wing and the reproduction deck lids already have the oval cutout for the reinforcement bracket. Non-winged cars with their original deck lid will need to have the oval hole cutout to properly mount the bracket. See the template photo on the next page.

B) With the wing now assembled you have two ways of mounting the wing to the trunk lid, the easy way and the hard way! The easy way is the way Ford did it at the factory. It simply states to mount the reinforcement brackets to the trunk hinge and using the brackets as a template, drill 4 mounting holes and drop the wing on and tighten. For this you will probably need a 3/8"-7/16" drill to allow some adjustment once the wing is mounted.

C) The hard way is the way I will be using. The problem with the above is that it leaves too much in the way of slop in mounting the wing. I have found that most restorers want things to be more precise and perfect than what the above process allows.



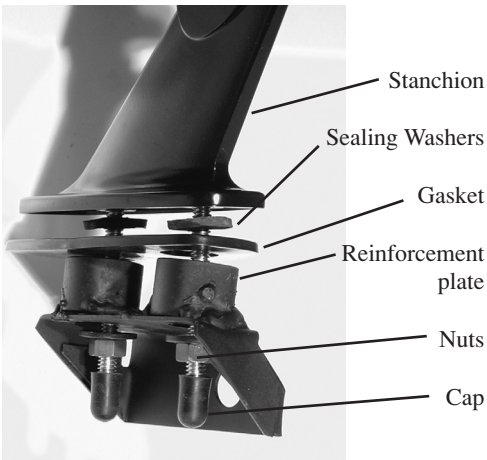
Marking center with drill bit



Aligning wing to underside of deck lid.



Template markings



Wing mounting hardware

1) Placement

a) If installing the wing without the reinforcing plates 442A10-50A (not recommended) jump to section 2.

b) Working with the trunk lid removed, after first marking it's position on the hinge brackets to ease alignment upon reinstallation, and sitting on a soft surface, mount a reinforcement bracket (not included with wing but recommended. pn#442A10-50A) to the hinge bolt, centered in the adjustment slot.

c) Locate the center of the bracket hole. I found a 1/2" drill bit that fit perfectly in the hole and with a few twists of my fingers the center point was scribed in the primer. In this case I'm using the rear hole on the RH (passenger) side.

d) Center punch and drill a 1/4" hole in the deck lid at the marked position. NOTE: If you are drilling into a trunk lid that is painted already you may want to mask (or duct tape) the area the holes will be drilled in to keep any slip of the bit from scratching the paint.

e) Measure the hole location, in my case I found the center line of the hole to be 11 1/8" back from the front edge of the deck lid and 3 3/8" in from the side. (your actual measurements may vary.)

f) Using your measurements, mark the rough location of the opposite rear stud hole. A check with the opposite bracket installed showed mine to be located in the bracket hole and perfectly centered on the trunk lid side to side.

g) Remove the brackets from the trunk lid.

h) Using the measurements taken in "d" and "e" above measure over from the side of the deck lid, in my case 3 3/8".

i) Use the supplied template to correctly locate the front holes.

The reason I have marked the holes first using the wing and side measurement is to align the holes perpendicular to the deck lid. Just using the template alone can cause the holes to be marked at an incorrect angle and/or spacing and once drilled will not allow the wing to mount on the stanchions. Use the template to create an arc and the intersection of the template arc and the side mark is the drill location.

j) Reinstall the reinforcement brackets and verify that all new hole marks are within the bracket's holes.

k) Measure twice. Adjust as necessary for proper alignment and spacing, measure again, mask, center punch and drill. You can use a 5/16" drill bit to allow for some adjustment should your measurements turn out to be off a little.

l) Dress drilled holes to remove burrs and coat with primer or POR-15 to prevent rust from forming on the bare steel.

m) Remount trunk lid using reinforcement brackets in their proper position, and align to body using reference marks created before removal.



Bolted on and perfectly aligned

2) Installation without the 442A10-50A reinforcement brackets.

a) This method may not allow for the installation of the reinforcements brackets at a later date.

b) Lay out masking tape on the upper painted surface of the deck lid to make pencil marks and to adjust the marks as necessary to center the marks. And to protect the paint while drilling.

c) The following measurements were taken from the above mounting section using the brackets. The deck lid used was a reproduction and these measurements should be used as a guide only on your deck lid. Before drilling any holes use the template below, the stanchions and wing to align and center the wing on your deck lid.

d) To locate the front stanchion holes measure back $9 \frac{7}{16}$ " from the front edge of the deck lid and $3 \frac{1}{2}$ " from the side edge. Use the template to scribe an arc for the rear holes. Carefully place the assembled wing on the front hole marks and scribe the rear stud location at the intersection of the arc created with the template. This is to insure the stanchions are square to the wing and the deck lid itself.

e) Recheck alignment and remeasure all hole locations before drilling! Make sure you still have tape protecting the paint. Center punch and use a $\frac{1}{4}$ " drill (or $\frac{5}{16}$ " if you want some adjustment room) and carefully drill the holes.

3) Mounting

a) Place sealing washers on wing studs

b) Place stanchion gaskets over studs.

c) Carefully lower wing into holes in trunk lid.

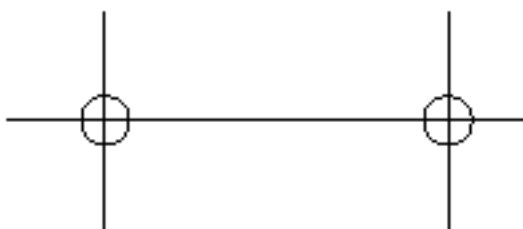
Be careful to not scratch the paint!

d) Install the nuts with spin washers to the studs and tighten. Make sure wing is square and gasket lips surround the stanchions.

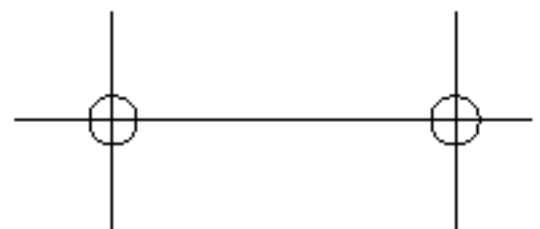
e) Cover exposed stud ends with rubber caps.

f) Adjust wing angle by loosening both Allen head bolts, adjust angle to desired position and retighten bolts.

Thank you for purchasing our rear wing. We are very proud of it and we hope you enjoy it as much as we enjoy being your parts supplier!
National Parts Depot



Locate $\frac{1}{4}$ " holes
 $1 \frac{25}{32}$ " (1.78125") on center



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 $1 \frac{25}{32}$ " (1.78125") on center