

Table of Contents

REF: Body Parts	3
Lowering the Detachable Windshield	3
<i>Fabricating a Bracket</i>	3
<i>Re-locating the Bottom Clamp</i>	4

[Go To Technical Menu](#)

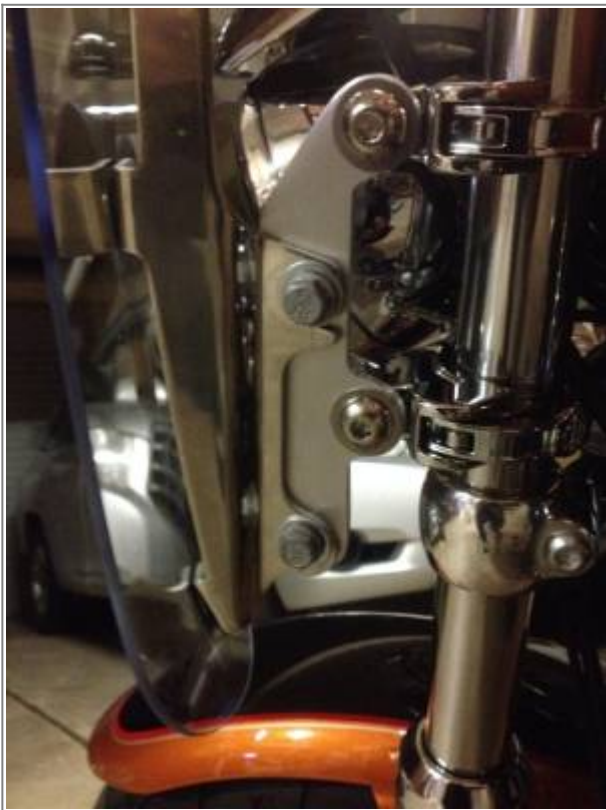
REF: Body Parts

Lowering the Detachable Windshield

Fabricating a Bracket

This was made from a standard aluminium strip from the local aluminum supplier (50 mm wide, thickness 4.3 mm / 11/64 in) cut to shape with a brushed finish.

Finished product: ¹⁾



Fitting stages: ²⁾



Re-locating the Bottom Clamp

Finished product: ³⁾



Process stages: ⁴⁾

- Remove the brackets and tie a string between the clamp holes to get the center line and keep the clamped angle the same.
- Tape the area to be drilled to help keep from chipping the outside edges while drilling.
- This one was drilled 1-1/4" up in a drill press.
- Be sure to leave enough meat between the hole O.D. and the edge for strength.
- Use the same process and measurements on both sides first.
 - You may find that the factory holes are not quite in the same place on both brackets.
 - You may also find that your exact (matched) measurements would end with the new hole being closer to the edge than the other bracket. So, you'll have to improvise a little.
 - If the new holes aren't perfectly drilled to match on both sides, it'll still work.
 - It will probably be barely noticeable if at all.



- Use a punch to set the center of the hole for the bit.
- Pre-drill the hole with a smaller bits in steps up to the final drill size.
 - This will help keep from burning the bits up while drilling thru the stainless steel bracket.
 - Heat will build quickly so use plenty of cutting oil to keep the bits cooler.
 - If it starts smoking, stop and go back to a smaller bit and then step back up to the final one.



Go To Technical Menu

1)

photo by girlsbike of the XLFORUM

<https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-accessories/127764-lowering-the-detachable-hd-windshield-without-cutting-it?t=1313996>

2)

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<https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-accessories/127764-lowering-the-detachable-hd-windshield-without-cutting-it?t=1313996>

3) 4)

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