MOUNTING INSTRUCTIONS X-CREEN TOUR

Thank you for choosing a MRA X-creen. Your new X-creen is a very versatile adjustable spoiler designed to improve your comfort and riding pleasure. Following this guide will ensure you receive the maximum benefits it can offer, so please read it through carefully and speak to your supplying dealer if you have any questions. X-creen is designed for mounting on motorcycles and scooters only.

Before assembling!

Please read these mounting instructions thoroughly before starting and check the parts for completeness against the enclosed list. Caution: Some parts are pre-assembled. We recommend you have the spoiler installed by a motorcycle workshop or technician.

If there are no existing mounting holes in your windscreen you will need to drill your windscreen first, so please proceed to section C (drilling the basic windscreen). If you wish to mount your X-creen using the optionally available XCC Tension Clamp Brackets kit (Art. No. 4025066125074), please refer to the instructions in section D.

The X-creen Tour is supplied with two pivot linkages which you can fit according to your preference:

A- Single pivot 'S' for adjustment of the angle of the spoiler.
B- Double pivot 'D' for adjusting the angle, height and distance of the spoiler from the main screen.

When you have decided which pivot version to fit, or which you would like to test first, carry out the fitting procedure using the corresponding instructions. If you want to switch from the single pivot 'S' to the double pivot 'D', you will find the instructions for doing this under item E. You will find the instructions for switching from the double pivot 'D' to single pivot 'S' under item F.

A- Assembly process for option"S"(single joint):

You will need 2.5 mm and 3 mm Allen keys for assembly and Installation.

1. The parts No.3 have already been pre-assembled with the nuts in No.13 and screws in No.12. The screws are only slightly tightened in order to prevent the o-rings under the nuts from being crushed.
2. Insert part (8) and part (4) in part (3) and attach it by pushing in part (2) in transverse/sideways direction (= open position).
3. Press the nuts (13) in part (9) and assemble it to part (8) with the screws M4x20 (11).
4. Put the preassembled X-creen on the windscreen and attach it with the nuts (13), the cover (10) and the screws M4x8 (12) to the provided drilled holes.
5. Tighten the screws M4x20 (11) of the mounting feet (9).

B - Assembly process for option "D" (double joint):

You will need 2.5 mm and 3 mm Allen keys for assembly and installation.

1. Put the nuts (13) into the XC spoiler (1) and assemble part (3) with the screws M4x8 (12) on the left and on the right.
2. Insert parts (5) and (4) and attach them by pushing in part (2) in a transverse/sideways direction (= open position).
3. Insert part (7) and part (4) and attach them by pushing in part (6) in a transverse/sideways direction (= open position).
4. Press the nuts (13) in part (9) and assemble it to part (7) with the screws M4x20 (11).
5. Put the preassembled X-creen onto the windscreen and attach it with the nuts (13), the cover (10) and the screws M4x8 (12) to the provided drilled holes.
6. Tighten the screws M4x20 (11) of the mounting feet(9).

C - Drilling the windscreen to the mount X-creen:

Drill your windscreen only if you are sure you want to mount the X-creen spoiler permanently. Piease note it is also possible to clamp the X-creen onto your windscreen using the optionally available XCC Tension Clamp Brackets kit (Art. No. 4025066125074)- no drilling is required with these (see section D below).

1. Place the provided drilling template on the outside of the windscreen to be drilled so that the two arrows on the template are flush with the windscreen edge and that the template is centred. The scale on the left and on the right of the template (P1) will help you.
2. Take the preassembled X-creen spoiler; put the mounting feet (9) in a parallel position and lock the adjusting buttans (2) or (6). Hold the X-creen spoiler on top of the drilling template and check if the markings correspond with the mounting points of the X-creen (P2).
   When doing so, the mounting feet (9) must be turned so that they lie flat on the windscreen's outer surface. If the markings an the template do not correspond with the mounting holes, draw in suitable markings now.
3. Drill the 6mm holes with care and light pressure through the template into the windscreen. Make sure you drill vertically to the windscreen surface and do not slip (sticking one or more layers of clear tape on the screen's surface before you mark and drill may assist with this).
4. Put the preassembled X-creen onto the windscreen and attach it with the nuts (13), the cover (10) and the screws M4x8 (12) to the provided drilled holes.
5. Tighten the screws M4x20 (11) ofthe mounting feet(9).

D- Assembly of the X-Creen Tour with Clamps:

Required Tools (included in the delivery): Allen key 2mm and 3mm

1. Fasten the clamps (no. 6*) with the Allen screws M4 x 35 (no. 10*) on the ratchet joints (open clamp side facing downwards).
2. Turn the set screws M4 x 12 (no. 9*) into the clamps, so that they protrude by approx. 1.5mm. Place the pressure plates (no. 7*) on top in a way that the ends of the protruding set screws are placed in the recesses provided for that purpose.
3. Slide the elastic inserts (no. 8*) into the clamps so that the teeth and studs are inserted into the respective recesses (P2).
4. Turn the braces and clamps on the right and the left side into the exact same position and fix them by fastening the rotary buttons.
5. Place the pre-assembled X-creen centrally onto your screen and fasten the set screws with the provided Allen key carefully (ensure that the braces are parallel) (P3). Secure each clamp with the hand to make sure that it is fastened tension-free. Fasten the set screws in turns to ensure that all four of them apply the same amount of tension eventually and that they are just so tight that the clamps cannot be moved anymore by hand.
6. Then fasten the Allen screws M4 x 35 (no. 10*) of the clamps.
7. You can open the rotary buttons now and adjust the spoiler as desired to the optimal position.

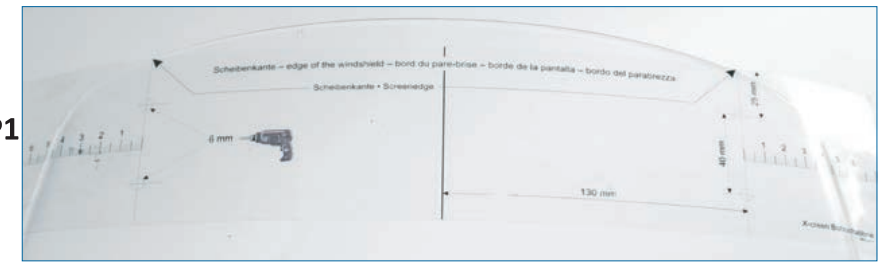
E- Changing from option "S" to option "D":

1. Remave (2) by moving it a little in a transverse/sideways direction and then pulling it out.
2. Remave (4) and (8).
3. Remave the screws M4x20 (11).
4. Assemble the parts as described in section B "Assembly Process for Option D".

F- Changing from optlon "D" to optlon "S":

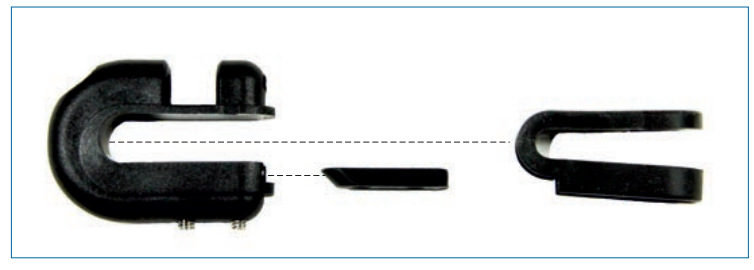
1. Remave (2) by moving it a little in a transverse/sideways direction and then pulling it out.
2. Remave (4) and (5).
3. Remave the screws M4x20 (11).
4. Assemble the parts as described in section A "Assembly Process for Option S".

P1



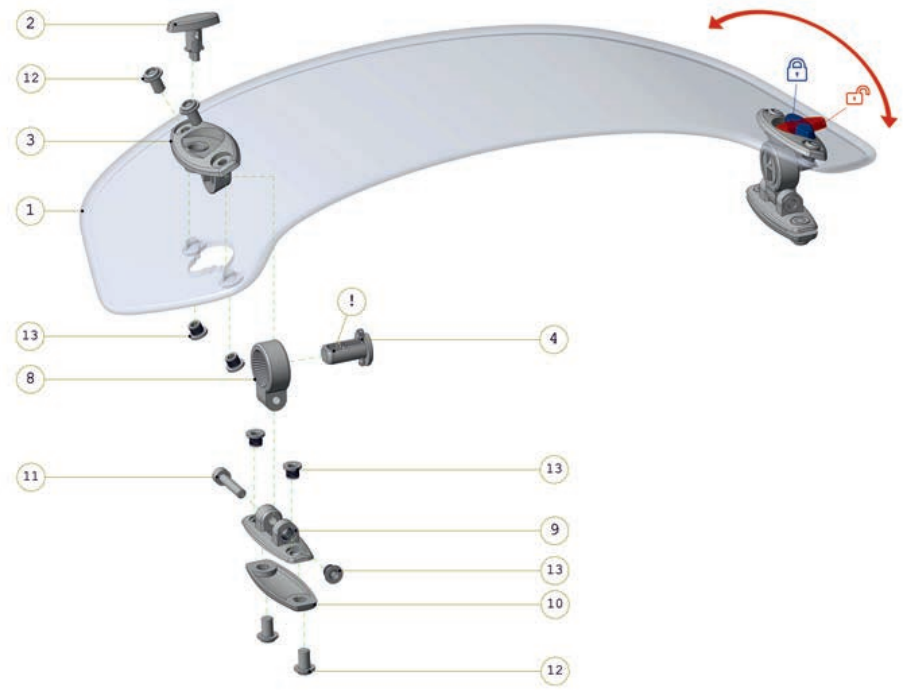
P2

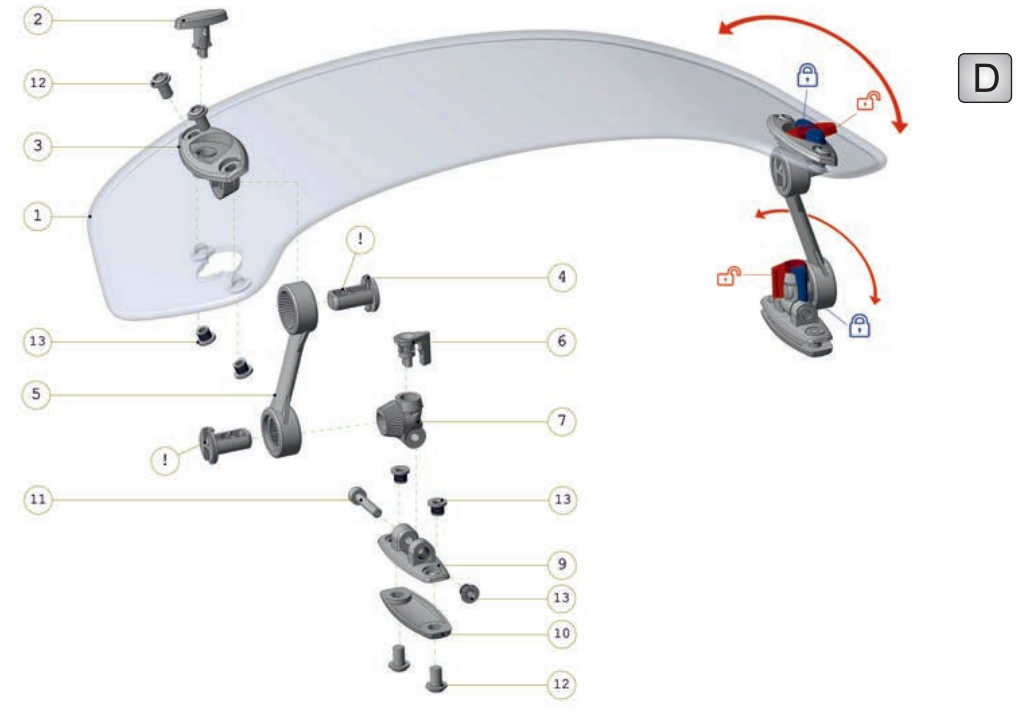
P3



P4

P5





X-Creen Tour (XCTA) –
Adjustable spoiler attachment

Thank you for choosing an MRA product.

The XCTA provides many adjustment options. By performing test drives with the XCTA in various positions, you will soon find the perfect adjustment for you.

Please do not adjust the XCTA while driving!
Avoid the risk of carelessness that accompanies distraction!

In order to adjust the XCTA, the only thing you have to do is to turn the rotary knobs in a crosswise position. This can be done easily and does not require any tools.

Use of the double joint

Use of the single joint

In the following, we will show you some examples that will help you to find the perfect position for the XCTA.

We wish you lots of fun while riding and a safe journey at all times!

Initial position

Adjustment: The struts are pointing downwards, and the XCTA is parallel or slightly open in relation to the base windscreen.

Effect: This position of the XCTA already provides a reduction in turbulence and wind pressure, as the air current behind the XCTA reduces turbulence at the end of the windscreen.

Deflector position

Adjustment: The struts are pointing downwards and slightly forward, and the XCTA is slightly more inclined than the base windscreen.

Effect: This position is among the most comfortable ones as a smooth, substantially turbulence-free air current results due to the opening angle.

Nozzle position

Adjustment: The struts are pointing downwards and slightly forward, and the XCTA is less inclined than the base windscreen.

Effect: The large aperture at the bottom allows a lot of air behind the XCTA, which then is accelerated in the driver's direction as the gap becomes smaller (=nozzle). The escaping air stream can guide the wind pressure away from the driver, if the distance, angle and height of the windscreen provide the right conditions for this purpose.

Highest position

Adjustment: The struts are pointing upwards, and the XCTA extends the base windscreen in a straight line.

Effect: The rations are now similar to those of a very long base windscreen. However, less turbulence arises at the end of the windscreen, as the XCTA with the air flow guided behind it prevents stalling.

More examples

These examples show some of the many adjustment options for the XCTA. You can try many XCTA positions, from slipstreams to a cooling inflow on hot summer days.

XCTA with single joint (Design "S"- Single)

When using the single joint, the XCTA serves as windscreen extension. However, the effect is considerably better than in a longer windscreen, as the air current behind the XCTA prevents or reduces stalling and therefore turbulence.
The XCTA is easily optimized by adjusting the inclination angle.

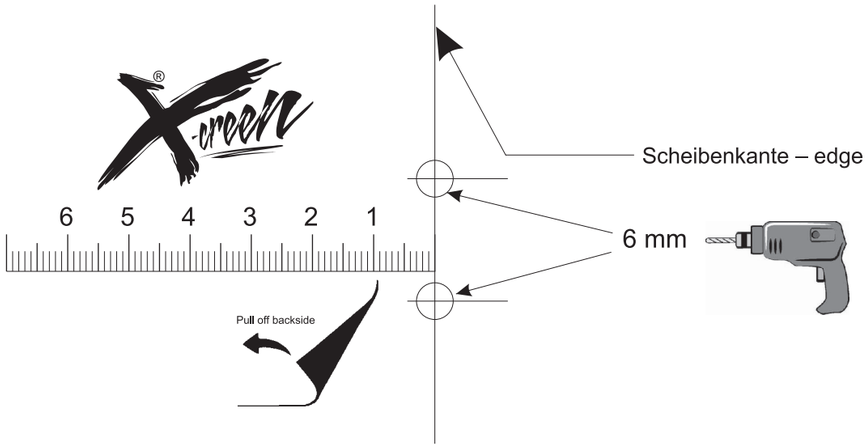
X-Creen Sport Test Template

With this template you can check to see whether an X-Creen can be mounted on to your existing panel/cladding.

1.) Print out the template, without scaling the page to a specific page size so that the measurements remain intact.
In Adobe Acrobat Reader you can find this function under "File > Print > Adapt to page size:" here select the setting "None".

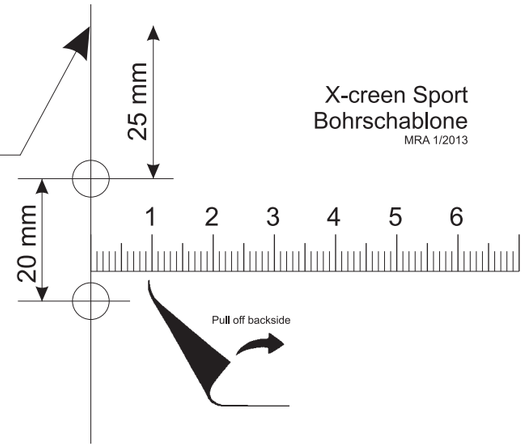
2.) Check the print out with a ruler. The stated measurements must match (hole spacing - 20mm / distance to centre line - 120mm).

3.) Place the template on your existing panel/cladding. If the recorded drill holes within the panel/cladding have a minimum distance of 25mm to the edge both at the side and at the top, only then is an installation possible.



Scheibenkante – edge of the windshield – bord du pare-brise – borde de la pantalla – bordo del parabrezza

6 mm



X-creen Sport
Bohrschablone
MRA 1/2013

X-Creen Sport Test Template

With this template you can check to see whether an X-Creen can be mounted on to your existing panel/cladding.

1.) Print out the template, without scaling the page to a specific page size so that the measurements remain intact.
In Adobe Acrobat Reader you can find this function under "File > Print > Adapt to page size:" here select the setting "None".

2.) Check the print out with a ruler. The stated measurements must match (hole spacing - 40mm / distance to centre line - 130mm).

3.) Place the template on your existing panel/cladding. If the recorded drill holes within the panel/cladding have a minimum distance of 25mm to the edge both at the side and at the top, only then is an installation possible.

X-creen Tour
Bohrschablone
MRA 4/2012

Scheibenkante – edge of the windshield – bord du pare-brise – borde de la pantalla – bordo del parabrezza

6 5 4 3 2 1

6 mm

Pull off backside

25 mm

40 mm

1 2 3 4 5 6

130 mm

Pull off backside

Find more MRA products on our website.

Rely only on high-grade motorcycle windshields & fairings offered on our virtual shelves.