

REVCAMUK

Reversing cameras UK Ltd

Twin Lens Camera Fitting Notes

Thanks for your purchase of one of our most popular cameras. This camera is designed to be both a rear view camera for monitoring following traffic, as well as a reversing camera to assist with parking. We hope these fitting notes help with your installation.

DO NOT TOUCH THE GLASS OF CAMERA WHEN FITTING - See back page for reason

Fitting the camera

STEP 1 : Remove the screws/washers from both sides of the camera and place these somewhere safe.

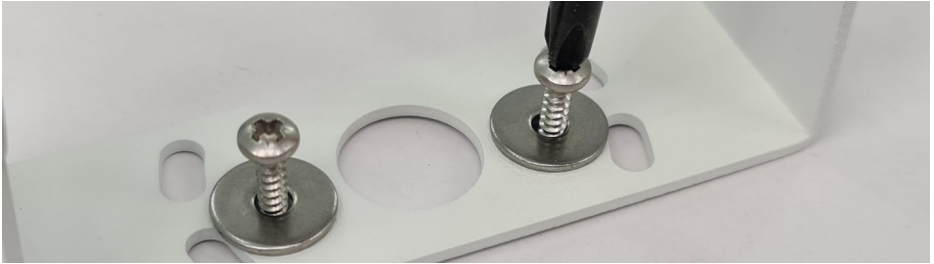
STEP 2 : Remove the top bracket/hood from the camera.

STEP 3 : Remove the two lenses from the bracket. You will notice that there is a plastic disc with two "studs" on each side in between the two lenses. This is to fix the offset between both cameras.

STEP 4 : Fix the lower bracket to your desired mounting location. If the surface is suitable for screws (a non brittle surface) then you may use the supplied mounting screws (we recommend adding sealant where the screws will penetrate the body). The alternative (our preferred option) is to use a sealant adhesive eg Sikaflex 512 to glue the lower bracket in to position. This will take a while to set/ cure, so make sure to do this stage in advance of the rest of your fitting - do not add the cameras back on until sealant is fully set. It may be wise to temporarily use tape to prevent movement, if the bracket looks like it will slide down under the weight.



STEP 4 - If fixing with screws (supplied)



STEP 4 - If fixing with sealant adhesive eg Sikalex 512 (not supplied)



Apply sealant



Press in position



Wipe excess sealant away



Wait for sealant to cure

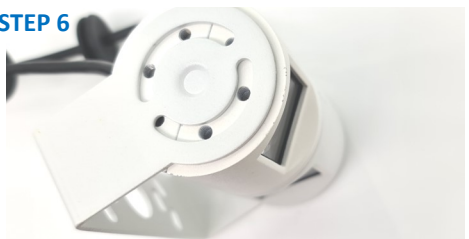
STEP 5 : Place the plastic disc between the two lenses of the camera and set the desired off-set between both lenses. If mounting high on a completely vertical wall we recommend starting off with a 4 hole separation between the two lenses (this can be fine tuned later).

STEP 6 : Place the two camera lenses and locking disc in to the lower bracket. Ensure the driving camera (narrow angle) is positioned to look back down the road.

STEP 5



STEP 6



Step 7 : Add the top bracket / hood back on to the camera, then add the 2 screws to each side to secure in place.

STEP 7



Step 8 : Now is the time to get the cable in to the vehicle. You will notice that the two cables from the twin lens camera have small 8mm disconnect points inline. This gives you two options to choose from. You may either drill an 18.5 or 19mm hole for the rubber grommet that is pre-installed on the two cables to fit in to, or drill an 8mm hole to get the small disconnect point through (then reconnect the larger 4 pin screw connector once on the other side).

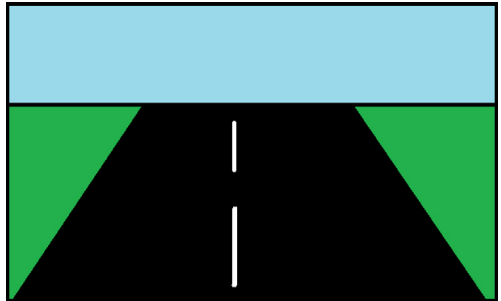
STEP 8



Step 9 : Add some sealant around the entry points to ensure no water can penetrate.

Step 10 : Run the twin cable from the two camera cables, to the monitor inputs.

Step 11 : Make fine adjustments to the camera angles once you have the camera view displayed on the monitor - remember to be careful to avoid touching the glass! The less sky you have in the image, the better the image quality on the screen. See illustration to the right for a guide.



Getting the best from your camera

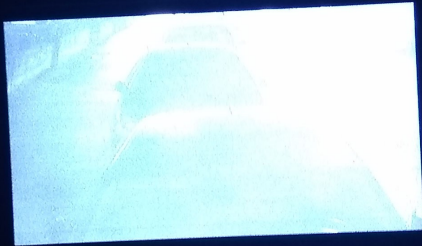
- Avoid jet washing the camera, as the high pressure could bypass the seals
- Get the minimum amount of sky in the image so that the camera adjusts itself to the area you need to view
- Keep the glass of the camera clean. This is especially important during fitting. Once fitted, if you do notice the camera is a bit less sharp, or you get IR reflection at night, then use glass cleaning wipes/spray and a microfibre cloth to clean the glass (regular cloth doesn't do a good job of removing oils).

The importance of clean glass on night time performance with Infrared (IR) LED cameras

Cameras fitted with LED's under the glass can be prone to IR light reflection if there is a build up of oil on the glass. It is very easy to touch the glass when installing the camera, which will put an oily fingerprint mark on the glass. A normal cloth won't remove the mark, it is best to use a microfibre cloth and ideally some glass cleaning solution/wipes. Please see the images below that a customer sent in, he was sceptical a clean would make any difference and was very surprised at the result.

Before Cleaning

**Sony CCD Twin Lens
Narrow Angle Camera**



**Sony CCD Twin Lens
Wide Angle Camera**



After Cleaning

**Sony CCD Twin Lens
Narrow Angle Camera**



**Sony CCD Twin Lens
Wide Angle Camera**



If you would like a microfibre cloth and some glass cleaning wipes sent to you to assist with cleaning, then please send an email to support@revcam.uk