

# REVCAMUK

Reversing cameras UK Ltd

## CAB99 Adaptor Instruction Guide

### Camera Side



#### CAB99M

Used to replace RV207-120  
(Driving Rear View Camera)



#### CAB99M-Ch2

Used to replace RV207-150  
(Parking/Reversing Camera)

### Monitor Side



#### CAB99F

Used when removing EM5  
Series Box and Monitor from  
the system. Designed to  
retain Channel 1  
(RV207-120 Camera)



#### CAB99F-Ch2

Used when removing EM5  
Series Box and Monitor from  
the system. Designed to  
retain Channel 2  
(RV207-150 Camera)

\*This guide covers 4 Variations of our CAB99 Adaptor. Depending on your order, will determine which one has been sent. Please follow the guide inside relating to your particular choice.

## **Introduction**

The following instructions are designed to assist you in using our CAB99 Adapter cables. These cables are intended to replace the OEM rear view and reversing camera kits originally installed in Swift, Bessacarr, and Autotrail motorhomes. It's important to note that the PS/2 6-pin cable used in these systems has also been utilised in various other reversing camera systems produced by other suppliers. If you attempt to use these cables with a different system, please be aware that damage may occur, and we cannot be held responsible should this guidance be ignored.

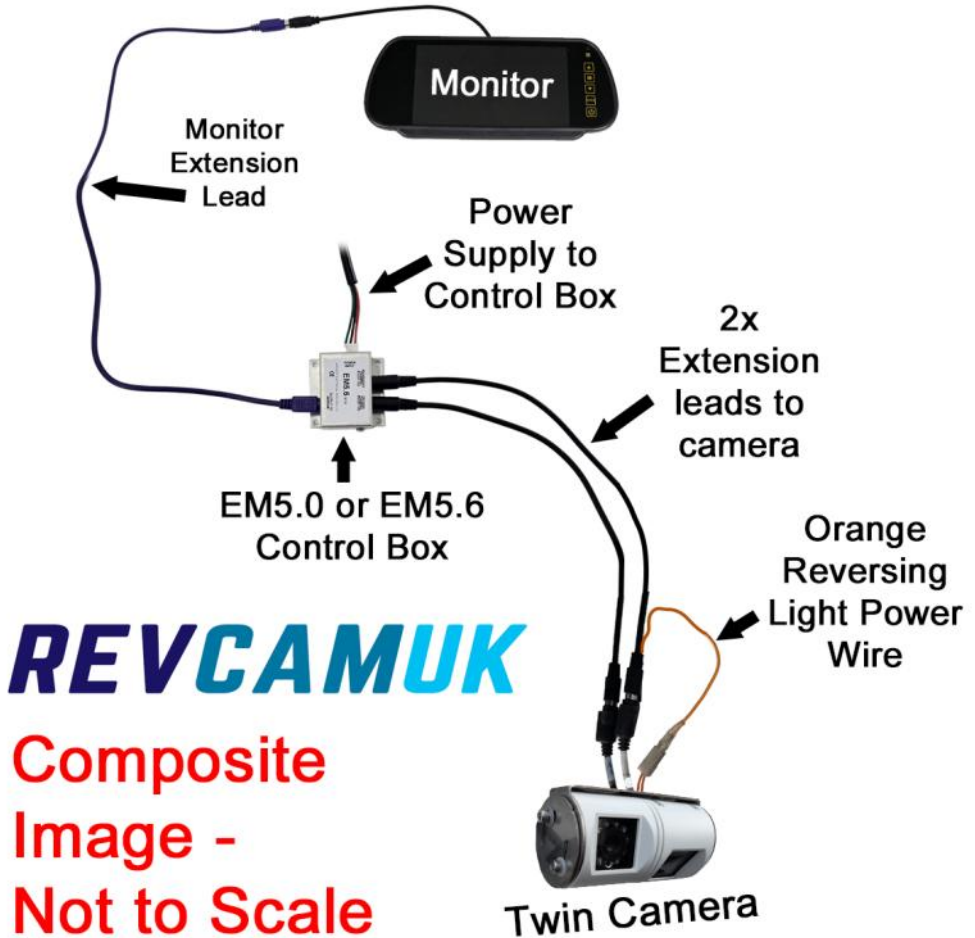
Please ensure you use the correct adapter for the correct cable, as the internal wiring for the reversing camera and the rear view camera differs. If you mix the two up you won't receive a signal to the display. Additionally, on the Channel 2 adapters, there is a coloured wire that should be connected to the original wire that was previously linked to the old camera, typically orange in colour. More detailed instructions will follow further in this manual.

## **Installation Safety and Precautions**

- Ensure the vehicle and reversing camera system is powered off before starting work, to prevent electrical shorts or damage during installation.
- Avoid working in wet or damp conditions to reduce the risk of electric shock or water ingress into connections.
- Use appropriate tools and take care when handling wiring to avoid damaging existing cables.
- Do not force connectors or over-tighten screws, as this can cause damage to the camera or mounting points.
- Ensure all wiring is routed safely away from moving parts, sharp edges, and heat sources.
- Check all connections are secure before reattaching the battery and testing the system.
- If unsure about any part of the installation, consult a professional to avoid potential damage or incorrect fitting.

## Overview of the Swift Motorhome OEM Twin Camera System

The factory-fitted twin-lens reversing camera system on Swift, Autotrail, and Bessacarr motorhomes consists of a combination of cameras, cables, a control box, and a monitor. Understanding how these components were originally installed and connected will help ensure a smooth replacement process. This section provides an overview of the OEM setup, including how the system operates and how each part is integrated into the vehicle's wiring.



Overview of the twin reversing and rear view camera system installed on a lot of Swift and Autotrail Motorhomes

## **Camera Side Wiring CAB99M / CAB99M-Ch2**

The most common use of our CAB99 adapter cables is to replace a failed camera. This can be done individually or both at the same time. If you ordered a bundle that includes both parts of our twin camera along with the adaptors in this booklet, please note that the camera comes supplied with a bracket. However, most people prefer to reuse the existing bracket already fixed to their vehicle.



### **Replacing the Always on Rear View Driving Camera (labelled RV207-120)**

If you are replacing the Always-On driving camera that faces down the road, you will need our CAB99M adapter. The original camera is likely labelled RV207-120 on a silver sticker and has a 6-pin PS/2 connector on its cable. Our reversing cameras use a 4-pin screw aviation connector, so an adapter is required to connect our camera to the original extension cables running from the control box at the front of the vehicle.

It is important to note that the two cameras in the system are wired differently. If a driving camera is mistakenly connected to the reversing camera cable channel, it will not display a picture. Ensure that you use the correct adapter with the correct cable.

To install the replacement camera, use the unit labelled Narrow Angle Rear View and connect it using CAB99M between the 4-pin screw connector on our camera and the OEM cable where the original driving camera was plugged in.



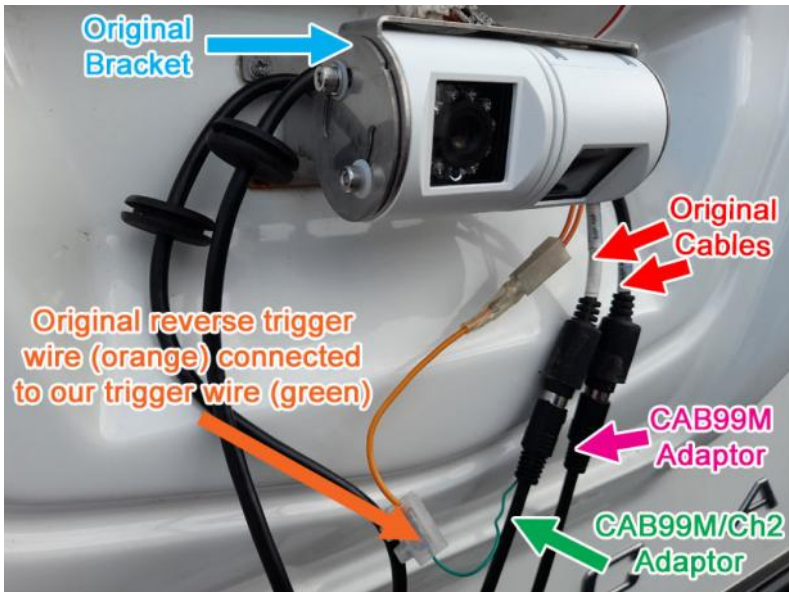
## Replacing the Reversing Camera (labelled RV207-150)

If you are replacing the reversing camera labelled RV207-150, you will need to use our CAB99M-Ch2 adaptor cable. This adaptor is slightly different because it includes a trigger wire that must be connected to the orange wire that was originally attached to the old camera lead.

If using one of our replacement camera units, use the camera unit labelled wide angle Parking View and connect it using CAB99M-Ch2 between the 4-pin screw connector on our camera and the OEM cable where the original reversing camera was plugged in.



The trigger wire on the adaptor must be connected to the orange wire that was previously used for the old camera. This can be done using any suitable method, with the most common being soldering, crimp connectors, or Wago connectors. Big thanks to Tom for sending in the image below of the two cameras fitted and wiring in place on his Swift Motorhome.



## Control Box Side Wiring CAB99F / CAB99F-Ch2

If you are working on the control box side wiring, you will need to use our CAB99F and CAB99F-Ch2 adaptor cables. These adaptors are designed to remove the control box from the reversing camera system, allowing you to connect the cameras directly to any other type of monitor.

If you are only looking to replace the mirror monitor because you suspect it is faulty, please visit our website and check our Swift Motorhome adaptor section and look for the mirror monitor bundle. These include the necessary adaptor (Adaptor I), making it easy to swap out your existing mirror monitor with one of ours.



With the twin camera system, you will find either an EM 5.0 box or an EM 5.6 box. Both boxes look and function the same. Please note that in our image above, the power input colours follow the conventional colour coding (e.g. red = +12V, black = earth, reverse trigger = green), this is because we have wired our own connector to this standard. However, you will likely find different colours in your system, and it's important to understand that the function of the wire cannot be determined by its colour alone. The wire locations remain consistent, so you can use the image to identify each wire's function if needed.

The box is typically located on the passenger side beneath the dashboard, though it can occasionally be found in other locations, such as in a pillar. We've included an image of a slightly different version of the box used for single cameras, as it helps to illustrate the most commonly found location of this box.



### **Retaining the Always on Rear View Driving Camera (labelled RV207-120)**

To retain the Always-On rearview driving camera and convert it from a 6-pin to a 4-pin female connector, you will need to use the CAB99F adapter.

Start by removing the cable from the EM5 series box labelled Driving Camera RV207-120. Then, attach the CAB99F adapter to the cable.

Just a quick reminder: the two camera outputs are wired differently, so if you use the incorrect adapter, you will not get a signal. Ensure you are using the correct adapter for the setup to avoid any issues.

### **Retaining the Reversing Camera (labelled RV207-150)**

To retain the reversing camera and convert it from a 6-pin to a 4-pin female connector, you will need to use the CAB99F-Ch2 adapter.

Start by removing the cable from the EM5 series box labelled Driving Camera RV207-150. Then, attach the CAB99F-Ch2 adapter to the cable.

Just a quick reminder: the two camera outputs are wired differently, so if you use the incorrect adapter, you will not get a signal. Ensure you are using the correct adapter for the setup to avoid any issues.

**Please note that there is a wire coming out of the Channel Two adapter, which carries the power supply from the rear. This can be used for your new monitor's power supply or as a reverse trigger.**

**If you are not using this wire, it must not be left unconnected. This wire carries a live supply when the vehicle is in reverse, and if left exposed, it poses a risk of short circuits if it comes into contact with anything it shouldn't.**

**If you're not using it, carefully tape it up to ensure none of the bare wire touches anything else. This will help prevent any potential issues or damage.**

**Thank you for your continued custom and support. We hope this guide has made your installation easier and more straightforward.**

**At REVCAMUK, our goal is to provide low-cost, high-quality replacements for existing OEM motorhome reversing camera systems. We truly appreciate all of your recommendations across campsites, groups, forums, both in the UK and abroad.**

**We wish you many more years of safe and happy travels. If you have any comments, questions, or photos, please feel free to email us at [support@revcam.uk](mailto:support@revcam.uk).**

**Thank you again for choosing us!**