

**VERITY**

**REAR VISION SYSTEMS™**

***JUST VIEW IT!®***

*A division of*

***COMPONENT SOLUTION SERVICES***

## Drip Loop Installation Instructions

Verity Rear Vision Systems strives to provide the highest quality to our customers. Our cameras are rated IP69K waterproof, which means they can withstand a 1,400 psi pressure wash up to 150 F degrees.

Our company tests every returned camera to determine the cause of failure. The most common breach where water has penetrated the camera is around the seal where the video cable is attached. This seal is in a compression fitting that evenly applies pressure around the cable to prevent it from being pulled out and to keep water from getting in. The cable and the seal around it can be damaged when the cable is pulled too tightly behind the camera - particularly at a sharp angle.



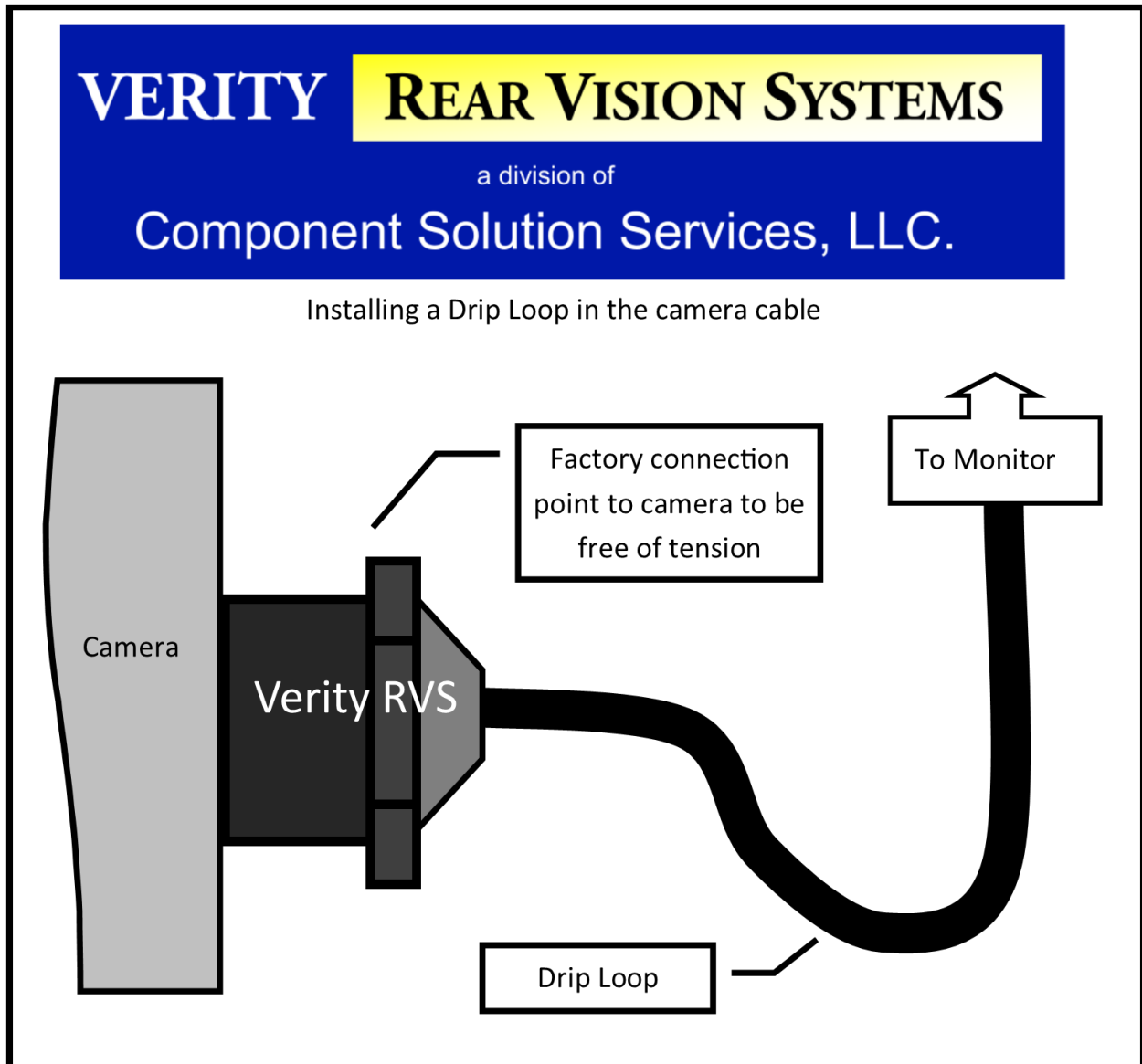
**Damaged Seal**



**Too Much Cable Tension**

## The Simple Fix

A drip loop allows for slack in the cable between the camera and the where the camera enters the vehicle. The most important aspect of the drip loop is that the camera cable needs to hang a little lower than the entry point into the truck body and the connection at the camera.



As you can see in the pictures below, there is no tension on the camera cable, and the loop will allow water to drip off before it reaches the rubber grommet.



## The Routing of a Cable Inside the Vehicle

The image shown in figure the cable is coming through the wall and bending around the edge of the through hole which is represented in a red circle. The tension around that edge can damage the wiring inside the cable over time or even cause a cut in the cable.



Fig 2.

The suggestions made by Verity RVS is to allow for a drip loop (i.e., slack) in the interior of the truck as shown in figure three. Also, putting wire loom on the camera cable where it comes in through the wall will help to protect the cable from being cut.



Fig 3.

## Conclusion

VerityRVS appreciates the quality workmanship and professionalism our customers exercise while installing our systems. It is not easy for us to suggest an installation change when such care is being taken to make the installation look neat and orderly. However, a drip loop will minimize damage to the camera cable seal and some slack in the cable will lessen the overall wear and tear it will receive. You can find our short video detailing drip loop installation on YouTube entitled “Verity Rear Vision Systems Support Video on Drip Loops.”