

Installation of the Heated Camera (KA208-01-09)

Introduction

This document provides a process overview for replacing a bullet camera (standard or infrared) with Kairos' Heated Camera (p/n KA208-01-09).

The Heated Camera has a larger diameter than the standard Kairos bullet cameras. As a result, it ships with a modified Camera Mount Bracket Holder, but otherwise uses the existing, standard mounting hardware.

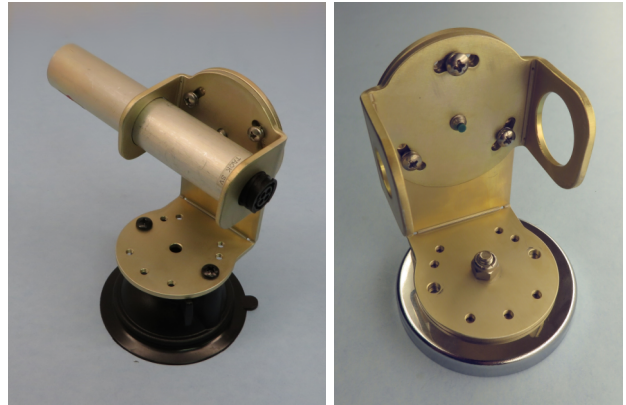
Remove Heated Camera

1. On the Heated Camera, locate the nylon-tipped setscrew that is securing the camera in the Heated Camera Mount Bracket Holder.
2. Use a 1/8" hex driver to loosen the nylon-tipped setscrew.
3. Use a 7/16" wrench to loosen the 1/4-20 nut securing the setscrew in place.
4. Remove the nut, lock washer, and setscrew.
5. Slide the existing bullet camera out of the Camera Mount Bracket.



Remove Existing Bullet Camera

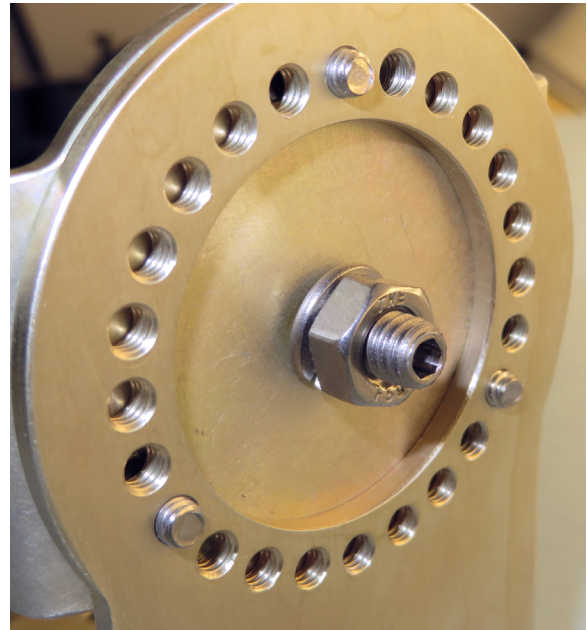
NOTE: There are several different camera mounting assemblies, including Magnet Mount Assemblies, RAM-Mount Suction Cup Assemblies, and Roof Rack Camera Assemblies. For the purposes of this procedure, the most common sub-assembly –with an Independent Mount Camera Bracket (“L” shaped)– is shown. The procedure will work as documented with all Kairos camera mounting assemblies. The only parts that need to be disassembled are documented. In other words, do not disassemble any portion of your camera assembly unless directed to do so. If necessary, refer to the Installation of the Camera with Universal Mount and Pigtail Cable (BUL-067) for more information on specific sub-assemblies.



1. Disconnect the Camera Cable (CBL-028) from the existing camera.
2. Remove the existing Camera Assembly from its mounting location.



3. On the existing bullet camera, locate the nylon-tipped setscrew that is securing the camera in the Camera Mount Bracket Holder (i.e. the “U” shaped bracket).
4. Use a 1/8” hex driver to loosen the nylon-tipped setscrew.
5. Use a 7/16” wrench to loosen the 1/4-20 nut securing the setscrew in place.
6. Remove the nut, lock washer, and setscrew.



7. Slide the existing bullet camera out of the Camera Mount Bracket.



Reassemble Brackets for Heated Camera

1. On the existing assembly, identify the “U” shaped Camera Mount Bracket Holder.
2. Note the relative position and orientation of the Camera Mount Bracket Holder to the connected hardware. Of particular importance are the camera lens side of the u-bracket and the camera cable side of the u-bracket. The mounting holes may be in a different orientation.
3. Use a #1/#2 Phillips driver to remove the three (3) 8-32 screws and corresponding lock washers that are securing the Camera Mount Bracket Holder to the other hardware.



4. Using a Phillips driver and the three (3) 8-32 screws and lock washers, removed in the previous step, secure the Heated Camera Mount Bracket Holder in the same relative position and orientation as removed Camera Mount Bracket Holder.



Installation in Pronto4 Vehicle

1. Secure the completed mounting assembly to the vehicle, as appropriate.
2. Slide the camera into the Camera Mount Bracket Holder.

WARNING

The camera is NOT secured into the Camera Mount Bracket Holder. Ensure someone is manually holding the camera in place, until the setscrew and setscrew nut are secured. Failure to do so can result in equipment damage.

3. Connect the Camera Cable (CBL-028) to the Camera and P103 on the Pronto4 unit.
4. Boot up the Pronto4 and Operator Control Unit (OCU), per standard procedures.
5. Rotate the camera until the image is properly oriented.
6. Use a 1/8" hex driver to secure the nylon-tipped setscrew into the camera.
7. Use a 7/16" wrench to secure the setscrew to the Camera Mount Bracket Holder by tightening the 1/4-20 nut.

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