



NOTE: The kits you have purchased do not come with extra cable extensions – based on our installations so far, the larger trucks may need 1 or more of these depending on how you route the cables. See cable drawing on last page. You can order additional on-line from:

<https://speedstuff.com/collections/fedex-continental-cables>

under the following part numbers:

A2C59519799	5 M CAMERA / SENSOR CABLE
A2C59519800	10 M CAMERA / SENSOR CABLE
A2C59519801	20 M CAMERA / SENSOR CABLE

Also, the kits do not come with any consumable items: split wire loom (we recommend the 3/8” and 1” varieties), electrical wires, fuses, fuc links, butt splices, or ring terminals. **You need to source them on your own.**

Limitation of liability: Continental shall not be liable for the improper installation or use the 3-camera and ultrasonic systems or for malfunctions caused by the purchaser's other systems. In particular, Continental shall not be liable for assembly or connection errors and for damage caused by mechanical influences or overvoltage. **Only qualified and properly trained technicians should install the 3-camera and ultrasonic systems.**

- Distraction can cause fatal or serious accidents. Always concentrate on driving and pathway conditions. Always use your mirrors and obey traffic safety laws. Other dangers exist outside the cameras' view. Objects may be closer than they appear. Fully read and understand the user's guide before operation.
- Do not rely solely on these systems and always use your mirrors. Objects may appear distorted or be closer than they appear. Pedestrians, animals, vehicles or objects may be out of view or appear only partially depending on their location in proximity to the cameras.
- Temperatures in excess of -40 to +85C (-40 to +185F) can affect the video quality from the cameras, including the color rendition. This can cause objects to be distorted or more difficult to view in certain conditions.
- Always check the condition of the systems prior to each use.
- System alignment must be reassessed:
 - Following any impact to a cameras or ultrasonic sensors
 - Following vehicle damage
 - Following camera or sensor removal/replacement (e.g. if camera/sensor is replaced or a panel or structure on which a camera/sensor is mounted is replaced or repaired)
 - Anytime the system is not performing as expected
 - The frequency of checks will depend on the nature of the vehicle's usage and the conditions under which it operates.
- Only use attachments/accessories supplied with this system. Never modify the system or its component parts.

For installation questions Technical Support can be reached at 1-800-265-1818 or email at TechSupport-US@Continental.com between 8am and 5pm EST.

READ ALL INSTRUCTIONS COMPLETELY PRIOR TO INSTALLATION!!!

Monitor Mounting and Setup



1. Mounting the Monitor

- a. Find a suitable placement for the monitor - common areas are center-mounted on the dash, to the left of the steering wheel, or mounted overhead from the roof of the cab.
 - i. When mounting overhead, make sure that the sun visors will still be usable and that they will not obstruct the view to the monitor.
 - ii. When mounting on dash, make sure that it does not obstruct the driver's view through the windshield.
 - iii. Keep in mind the monitor placement in relation to how camera cables and triggers will be routed.
- b. Once desired location is found, mount the monitor using the 4 screws provided.

2. Adjusting Monitor

- a. The 9-inch display can be adjusted by loosening the knob on the mounting bracket. Once the display is at the desired angle re-tighten the knob until the display is secure.
- b. For the 7-inch monitor, loosen knobs on either side of display and adjust monitor to desired viewing angle.

3. Connecting Cameras

- a. Rearview camera connects to input Cam 1.
- b. Left side camera connects to input Cam 2.
- c. Right side camera connects to input Cam 3.

4. Powering Monitor

- a. Connect power and trigger cable to input labeled "Power In".
 - ❖ **Make sure the harness is seated properly and completely tightened down.**
 - ii. Yellow wire will be connected to ACC or Switched power 12 or 24 volt
 - iii. Red wire will be connected to Battery Constant
 - ❖ **ENSURE THAT SWITCHED AND BATTERY CONSTANT ARE NOT TIED TOGETHER**
 - ❖ **For the most robust connection, access the vehicle fuse box.**
 - iv. Black wire will be connected to a dedicated ground (**do not tie into a ground from another system on the vehicle! Best is to tie in to the chassis busbar for vehicle ground.**)

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5. Connecting Reverse Trigger

- a. Triggers should be a minimum of 5 volts.
- b. Most common location to pull reverse trigger is from the reverse lamp.
- c. Connect reverse signal trigger to white wire on monitor harness labeled "1"

6. Connecting Turn Signal Triggers

- a. Triggers should be a minimum of 5 volts
- b. Locate your left and right turn signal triggers. Most common locations are pulled off of the turn signal lamps.
- c. Once Turn Signals are located and confirmed, connect to proper trigger wire on monitor harness
 - ❖ Connect left turn signal trigger to gray wire on monitor labeled "2"
 - ❖ Connect right turn signal trigger to blue wire on monitor labeled "3"

7. Mounting Side Cameras

- a. Side cameras should be mounted forward of the driver and passenger side doors.
- b. Make sure cameras are not mounted behind obstructions like air vent flaps.
- c. Check interior of vehicle of selected mounting location for obstructions, vehicle wiring and other objects that would block the placement of the camera.
- d. Once cameras are mounted and connected to the monitor, adjust the lens so driver is able to see two lanes of traffic on both the left and right side of the vehicle.



8. Mounting Rear Camera

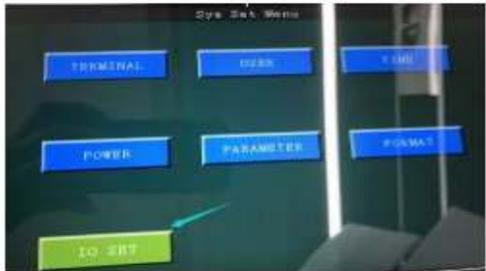
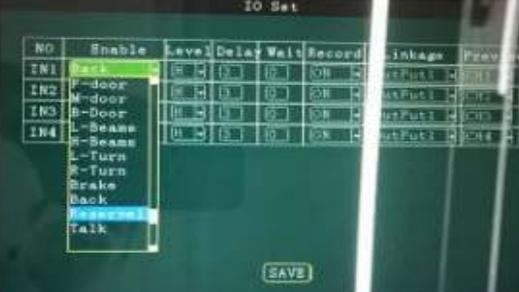
- a. Rear camera should be mounted in the center of the vehicle at the top edge.
- b. If there are obstructions, marker lights, factory installed back up camera ect. Mount camera as close to center as possible.
- c. Once camera is connected to monitor, adjust the viewing angle so the camera can see the trail edge of the vehicle or step.
- d.

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9. Enabling and Disabling Parking Aid

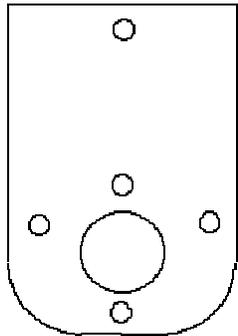
	
<p>1. Press MENU, enter the OSD</p>	<p>2. choose "Sys setup"</p>
	
<p>3. Then Press Menu, press - / +, choose "IO SET"</p>	<p>4. Choose "Reservel, then parking line, turn off choose back, the parking line, turn on.</p>
	
<p>5. Choose "back", and then choose "save" after automatically re-start, then parking line enable</p>	<p>6. choose "reservel". And then choose "save." after automatically re-start, then parking line disable.</p>

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Side View Camera Instruction Sheet

Mounting Instructions

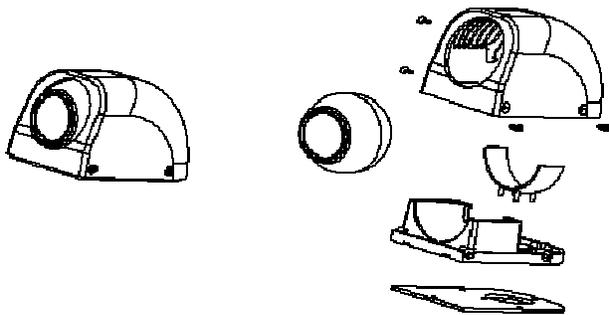
- 1) Remove the four screws that fasten the camera casing
- 2) Place the sealant pad below the bottom bracket
- 3) Apply all the screws in the five mounting hole locations
- 4) Next refer to the Adjustment instructions to adjust the camera properly



Adjustment Instructions

To adjust the camera for right or left side views:

- 1) Remove the four screws that fasten the camera casing
- 2) Use hole on bottom of casing to remove bottom
- 3) Adjust camera to desired viewing angle
- 4) Reattach casing, ensure that the groove on the back of the casing lines up with the notch on the bottom of the casing.
- 5) Tighten all four screws on the outside of the casing.



Merchandise warranted against defects in factory workmanship and materials for a period of 24 months after purchase. This warranty applies to the first retail purchaser and covers only those products exposed to normal use or service. Provisions of this warranty shall not apply to a VDO product used for a purpose for which it is not designed, or which has been altered in any way that would be detrimental to the performance or life of the products, or misapplication, misuse, negligence or accident. On any VDO part or VDO product found to be defective after examination by manufacturer, manufacturer will only repair or replace the merchandise through the original selling dealer. Manufacturer assumes no responsibility for diagnosis, removal and/or installation labor, loss of vehicle use, loss of time, inconvenience or any other consequential expenses. The warranties herein are in lieu of any other expressed or implied warranties, including any implied warranty or merchantability of fitness, and any other obligation on the part of manufacturer, or selling dealer.

Read these instructions thoroughly before installation. Do not deviate from assembly. Always disconnect battery ground before making any electrical connections.

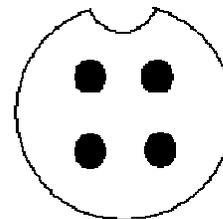
Parts List

Item	Description	Qty
1	Side View Camera (6-20V) DC	2
2	Mounting Kit	1
3	Instruction Sheet	1

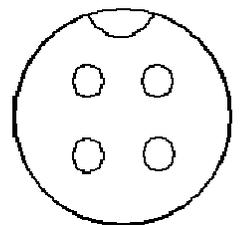
Connect the camera to the display:

Take the 4 pin female camera connection and plug it into the 4 pin male connection on the rear of the display. Make sure that the small groove on the camera connector lines up with the groove on the display wire harness.

Next tighten the connection by turning the cable lock in a clockwise fashion until the connection is tight.



Camera
(Female)



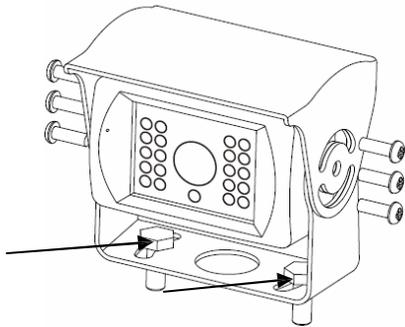
Display Wire
Harness
(Male)

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Rear View Camera Instruction Sheet

Mounting Instructions

1. Remove screws from mounting kit and detach camera from mounting bracket
2. Apply all four screws in the noted regions in order to properly attach the mounting bracket
3. Once the mounting bracket is secure, reattach the camera to the bracket



Use 2 screws per side

Adjustment Instructions

To adjust the cameras viewing angle:

Use a hex head to loosen the screws on both sides of the camera. Once they are loose, adjust the camera to the desired angle, and then retighten.

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Read these instructions thoroughly before installation. Do not deviate from assembly. Always disconnect battery ground before making any electrical connections.

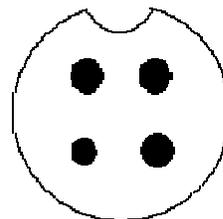
Parts List

<u>Description</u>	<u>Qty</u>
Rear View Camera (6-20V) DC	1
Mounting Kit	1
Instruction Sheet	1

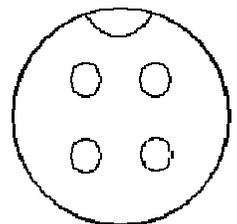
Connection

To connect the camera to the display:
Take the 4 pin female camera connection and plug it into the 4 pin male connection on the rear of the display. Make sure that the small groove on the camera connector lines up with the groove on the display wire harness.

Next tighten the connection by turning the cable lock in a clockwise fashion until the connection is tight.



Camera
(Female)



Display Wire
Harness
(Male)

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Ultra Sonic Sensors Instruction Sheet

System Precautions

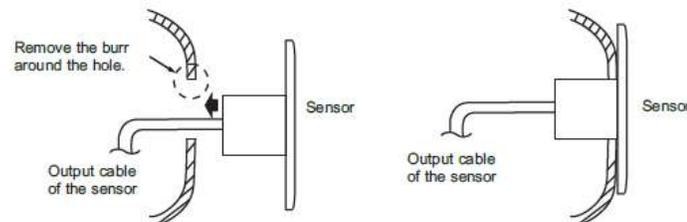
- The Ultrasonic system is 12 volt only. Make sure to verify proper wiring before energizing the system.
- Storage temperature of system is between -40 and 80 C. Operating temperatures is between -20 and 70C.
- Make sure to not pinch or bind cables during installation. Beware of pinch points on vehicle.
- Do not puncture, scratch, or use abrasive cleaning materials on sensors and ECU.

Product Overview and Features

1. The kit includes 6 ultrasonic sensors, control unit, control unit harness, external speaker and dust cap for unused data port

Standard Installation for Audible Only Alerts

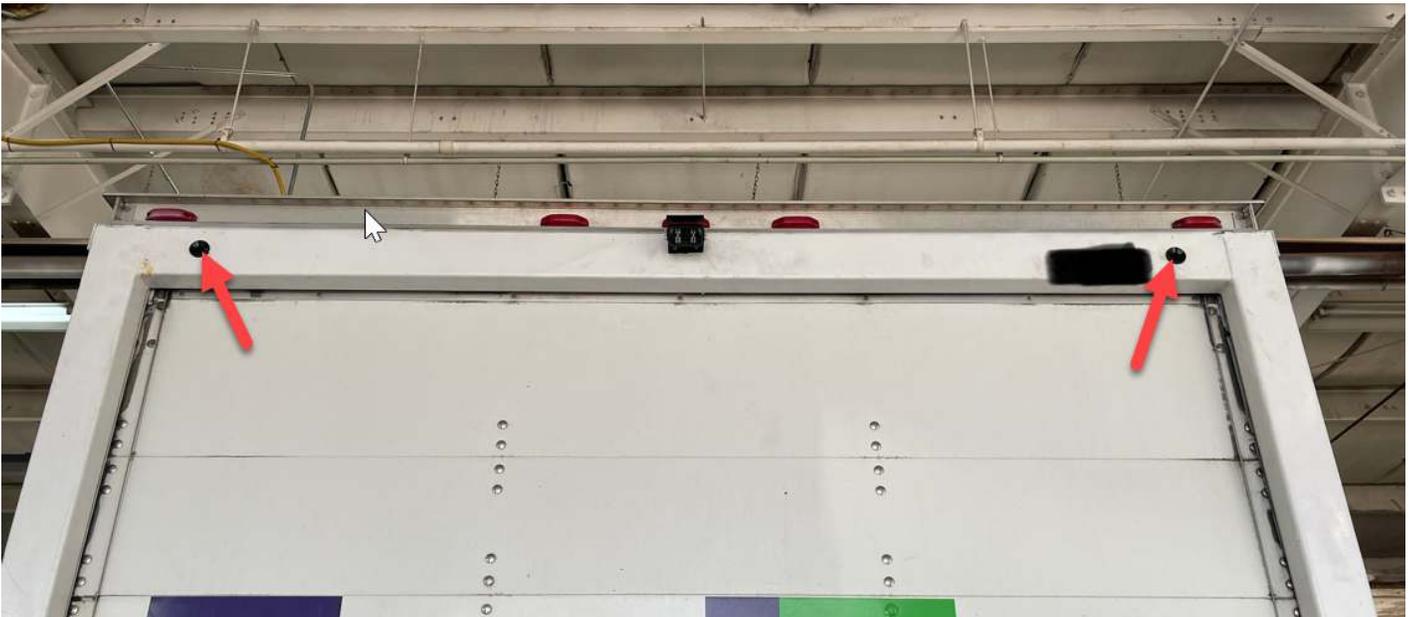
1. Sensor Mounting Locations
 - a. Recommended height from ground level is 0.6 meters, distance between sensors should be 0.5 meters. Sensors should be mounted with a 0 degree angle of deflection. Mounting surface should be between 2-4mm thick.
 - b. To make sure sensors function properly, ensure that there are no obstructions within a 45 degree angle out from the center of the sensor (tailgates, steps and other objects).
 - c. Drill 4 holes into rear of vehicle at correct height and evenly spaced apart. Hole diameter should be 35.5 mm. This will allow a snug fit of the sensors. Sensors number 2 through 5 should be mounted on the bumper or lower portion of the box. Be sure to check behind bumper for clearance from vehicle frame.
 - i. If installing sensors into the vehicle box, make sure to apply a sealant like silicone around the sensor body to prevent any water from entering the vehicle. Be careful not to get any sealant on the face of the sensor.
 - d. Drill two 35.5 mm holes at top of the vehicle 12 to 16 inches in from the edge of the body. Sensors 1 and 6 should be mounted at the top of the vehicle. If there is an obstruction (ie marker light) move to closest cleared mounting area. Sensors should be mounted as high as possible to detect overhead objects
 - e. Some variances may be needed on some vehicles due to door positioning/configuration, marker lights and other objects.
 - f. Route cables to control unit location. Sensor cable length is 8m.



2. Ultrasonic Control Unit

- a. Recommended mounting location should be in the cab of the vehicle or protected area. Control Unit should be installed in a clean and dry location. Make sure to install dust cap onto unused data port.
- b. If Control Unit is mounted elsewhere on the vehicle, an extension RCA cable may be needed to connect the speaker.
 - i. Speaker extension is a standard RCA connection and can be locally sourced.
- c. Connect sensors S1 thru S6 to their corresponding ports on the ECU.
- a. Connect power cable lead
 - i. Connect system harness to port labeled power on ECU
 - ii. Connect 4 pin male power pigtail to 4 pin female on system harness
 - iii. White trigger wire will be connected to reverse trigger (can be spliced into white trigger wire on monitor.
 - iv. Red wire will be connected to ignition switched.
 - v. Black wire is connected to a dedicated ground (**do not tie into a ground from another system on the vehicle! Best is to tie in to the chassis busbar for vehicle ground.**)
 - vi. Yellow wire, not used.





Ultrasonic System Testing

1. Switch the gear to reverse reversing lights will turn on automatically.
2. Connect one output cable from sensor with the control box. The sensor may properly find a person standing within 3.0 meters right/left in front of the sensor.
3. Remove the sensor and connect others one by one for testing in the same way.
4. After finishing testing. Connect all the sensors with control box.
5. Continuous beep between 0-0.6, fast beep between 0.6-1.5, slow beep between 1.5-3m

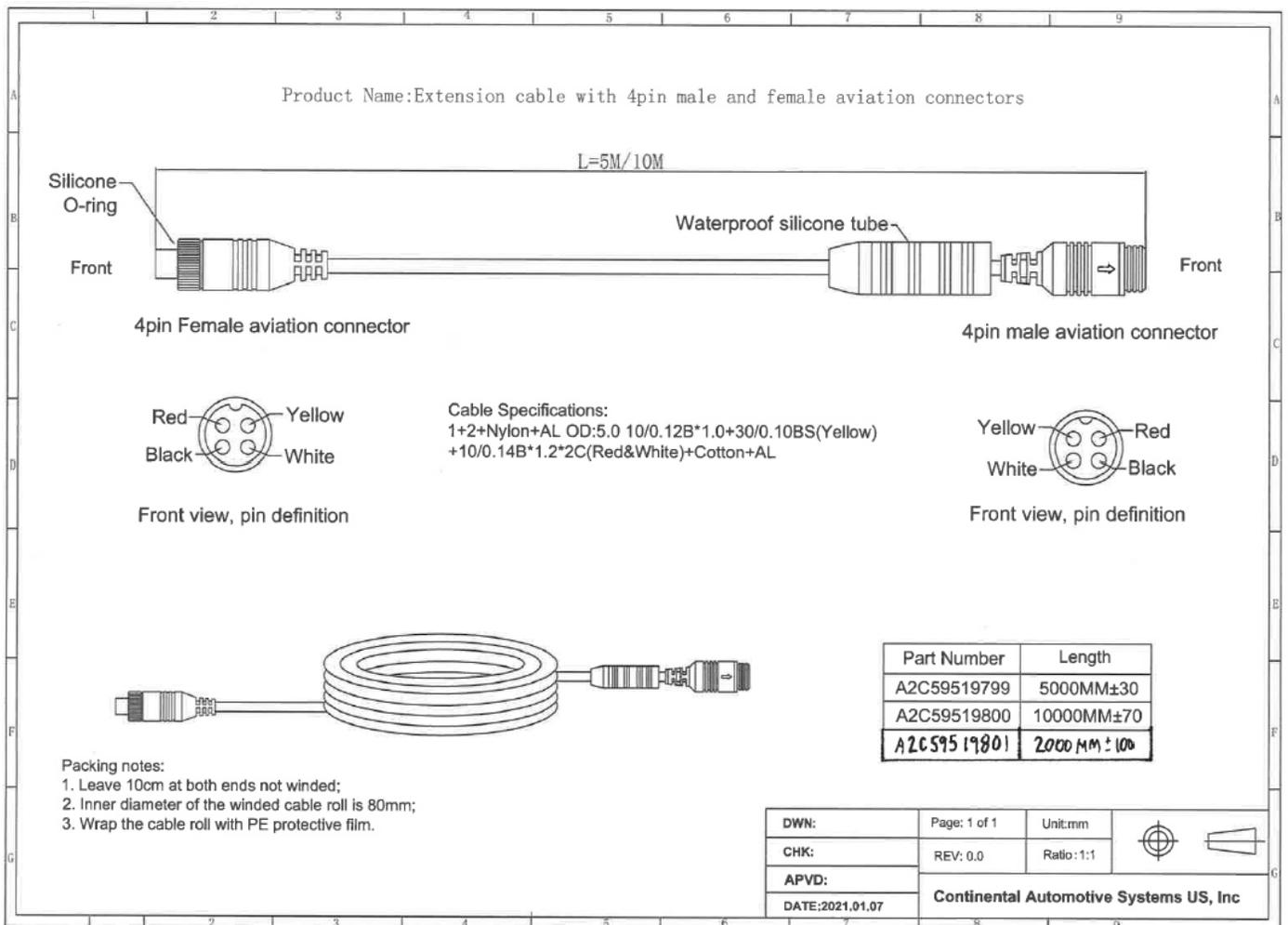
System Testing Monitor and Cameras

6. With vehicle on, monitor should display split screen of left and right sideview cameras
7. Activate left turn signal. Monitor will display full screen view of left side camera
8. Activate right turn signal. Monitor will display full screen view of right side camera
9. Put vehicle into reverse. Monitor will display full screen rear camera
 - a. When turn signals and reverse are not active monitor will go back to split screen.

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Installation Notes – Final Notes

1. All camera and sensor cables need to be wire-loomed and secured inside or to the chassis of the vehicle. Be aware of pinch points during routing.
2. For longer straight trucks, extension cables may be needed for sensors and rear camera. Be mindful of cable runs and use the most efficient route to eliminate need for extra cable lengths.
 - a. If extension cables are required, please visit our webshop to order.
3. Reverse and turn signal triggers must be used for system functionality
 - a. Those triggers need to be located by installation personnel
4. Side view cameras need to be mounted above the front wheelwells and out of the way of any obstructions.
5. Side view cameras should be angled to see one lane of traffic on each side.
6. Verify on monitor that camera angle is correct prior to replacing camera cover.
7. Rear view camera should be mounted center of the vehicle and angled downward to see the lead edge of the bumper
8. Monitor power should be fused with a 5-amp fuse
9. Installation examples can be found on our website <https://fleetvue360.com/> under the “Installation” tab.



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