

VAVS100
VAVS360A1
VAVS360AMZMO

VAVS100



Installation:

- 360 module uses a single harness to connect all components.
 - Four female CEC connections each designated to a specific orientation (front, rear, left, right).
 - Single female AV out to feed video to monitor being used.
 - Blunt cut wires for Power (Acc), Ground, and triggers (rear, left, right).



- This module can be found above the drivers head. Either mounted on the outside like shown, or behind the panel with the red circle highlighting the screw, one screw on each side.

Voyager 360 Observation System(s)

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Function:

- System is used just as standard camera and monitor application with the addition of a 360 degree view.
 - Display will show 360 view on left side of monitor.
 - Right side of monitor will display front camera unless triggered.

Other:

- Revision levels and serial numbers will be found on the bottom of the unit.
 - This determines what revision camera of camera is being used.

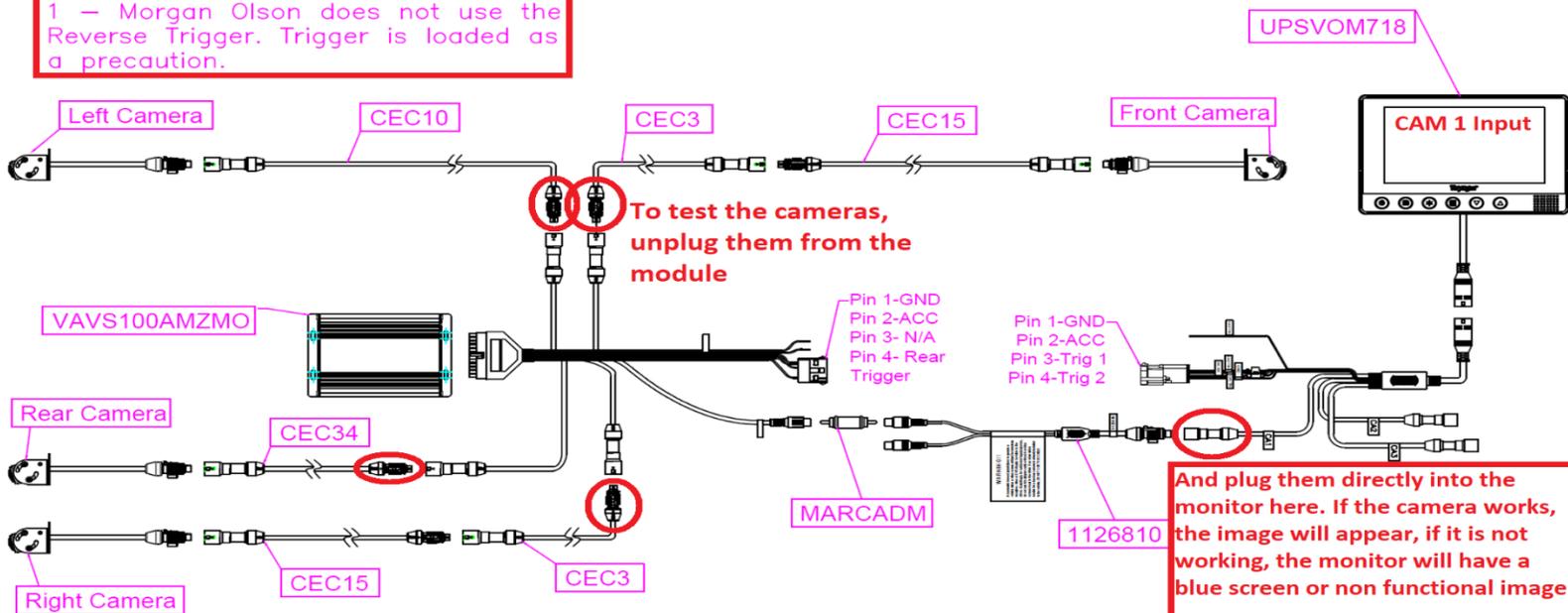


DESIGN REVISIONS			
REV	DATE	REVISION HISTORY	ECO#
A	10/03/17	ORIGINAL	
B	08/27/19	CAMERA CHANGED CEC33M, SOFTWARE UPDATED FOR PAIRING CEC33M, CAMERA HOUSING PAINTING CHANGED TO POWDER COATING	ECO-VAVS100-B
C	08/23/19	CAMERA CHANGED CEC36M, SOFTWARE UPDATED FOR PAIRING CEC36M, INTERNAL BRACKET CHANGE TO SUPPORT NEW CAMERA	ECO-VAVS100-C

VAVS100 Troubleshooting:

- All of the revision cameras for the VAVS100 system are analog, meaning they can be plugged into the monitor directly to see if they are working.

NOTES:
1 - Morgan Olson does not use the Reverse Trigger. Trigger is loaded as a precaution.



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- The red LED on the VAVS100 module is the power indicator. The green LED is for software updating and should not be on during use.
- If a camera does not work when plugged into the 360 module, but does when plugged into the monitor, test the 360 module input with another known good camera for verification that the camera input does not work.
 - If the camera does not work with the monitor, test a good camera in the bad camera location to test the functionality of all camera inputs on the module.
- The UPSVOM718 monitor comes locked and set to POWER AUTO ON so the monitor should show either a blue screen if no camera is connected or the camera image. The monitor only needs power and ground, no triggers.
- Below is how the VAVS100 system should look when powered on.



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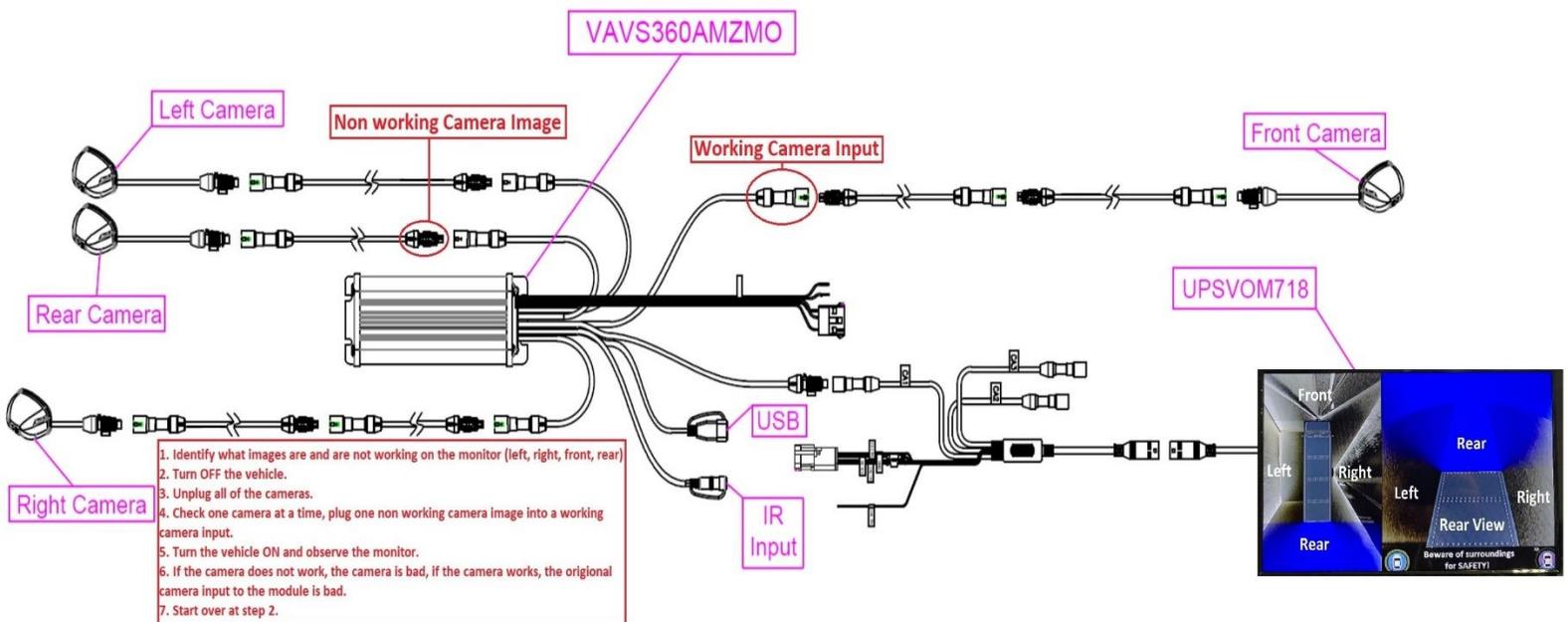
Function:

- System is used just as standard camera and monitor application with the addition of a 360 degree view.
 - Display will show 360 view on left side of monitor.
 - Right side of monitor will display rear camera unless triggered.

Troubleshooting/Additional Information:

General Troubleshooting

The 360 systems have the capability to show a complete view of the vehicle's surroundings but outside of that it is still the same as a camera and monitor set up. Your steps and questions will be the same as if you were dealing with a standard observation system.



*360 cameras are not compatible directly with any monitor, only with the 360 module. Non 360 cameras are not compatible with the 360 module.

Calibration of these systems is done at a factory production level. To complete this, customers need the necessary software, service kit (includes calibration mats, IR connection, and remote), and our VAVS360A1 New Vehicle Calibration Guide found in the shared drive.

Troubleshooting VAVS360A1 cameras and main module:

1. With the vehicle ON , identify on the monitor, what parts of the image are working and what ones are not (front, back , left, right).

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- a. Amazon – Vehicle would have to be put into reverse (trig. 1 engaged) in order to see the 360 View, thus showing front camera.
 2. Turn the vehicle off.
 3. Unplug all of the cameras.
 4. Plug the bad camera into a good, identified, working camera input. (check one camera/camera input at a time)
 5. Turn the vehicle and the system ON.
 - a. If the camera image does not show on the screen then it is a bad camera and needs replaced and recalibrated (Mats, IR receiver, remote, calibration guide).
 - b. If the camera does show up on the screen the camera input to the module is bad and the module needs replaced and recalibrated.
 6. Plug all good working cameras back into their respective working inputs.
 7. Wait for replacement parts.
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The only difference in the system is the power connections are terminated to correspond with harness provided by OEM. Amazon 360 system should be on at all times when the vehicle is started.

UPSVOM718 Monitor

The UPSVOM718 comes default with the buttons locked and POWER AUTO ON - ON. When the monitor has power and ground and in standby mode, the power button will dimly light up red. When it turns completely on, the light will be bright red. This monitor turn on once power and ground is present and the screen will show CAM 1 in the top right corner and either a blue screen if no camera is connected or the image.

We populate blue trigger 1 and brown trigger 2, as well as power and ground. The OEM does not populate trigger 1 or trigger 2 in their harness. They only provide a power and ground harness to the monitor harness shown below.



UPSVOM718 monitor harness terminated by ASA

