

AUTOMATIC VEHICLE IDENTIFICATION (AVI) DEMONSTRATION KIT

OPERATING INSTRUCTIONS

I. General

The Reno A&E AVI Demonstration Kit is used to demonstrate the operation of the Reno A&E's Automatic Vehicle Identification (AVI) system. The kit consists of the following items:

1. Model AVI-B-1-5111 Receiver
2. Receiver wiring harness (power cord terminated with 120 VAC three prong male plug, loop cable terminated with yellow banana plugs for loop connection)
3. Model AVI-X-5111 Transmitter (power cord terminated with red and black banana plugs)
4. 9 VDC battery (battery connector cord terminated with red and black banana jacks)
5. Four foot perimeter Demonstration Loop with one foot lead-in (terminated with yellow banana jacks)
6. Hard shell plastic case



The Model AVI-B Receiver identifies vehicles equipped with a code matched transmitter. The receiver provides an output signal that can be utilized for several different functions including opening a gate or door and various other applications where identification of moving or stationary vehicles is required. The receiver uses a loop coil installed in the road surface to receive the transmitter's code. The receiver is factory programmed to identify a specific transmitter code and does not require any adjustments or setup. The receiver is fully operational upon application of power. A high-intensity, red LED on the front of the receiver indicates the presence of a valid-coded transmitter within the loop area.

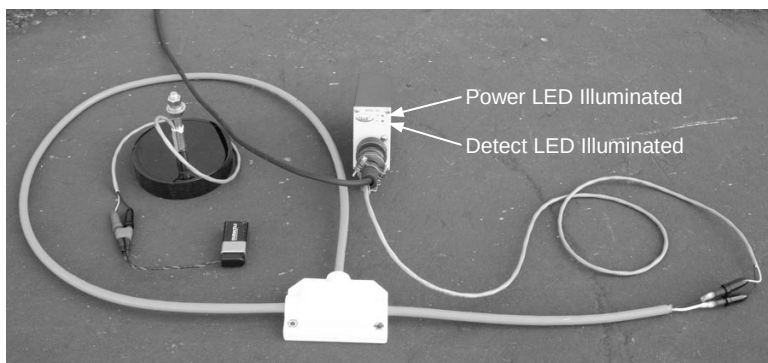
II. Set-up

1. Remove all components from the hard shell case.
2. Connect the 10-pin connector on the receiver wiring harness to the mating connector on the AVI-B Receiver. The connectors are keyed to ensure proper pin alignment. Turn the locking collar clockwise to fully engage the connector pins.
3. Connect the Demonstration Loop to the receiver wiring harness by plugging the yellow banana plugs on the harness into the yellow banana jacks on the Demonstration Loop.
4. Plug the power cord into a 120 VAC receptacle. The green Power LED labeled **PWR** will illuminate.
5. Connect the 9 volt battery to the AVI-X Transmitter by plugging the red banana plug on the transmitter into the red banana jack on the battery connector cord and the black banana plug on the transmitter into the black banana jack on the battery connector cord.

WARNING: To prolong battery life, the battery connector cord should be disconnected from the transmitter when it is not being used.

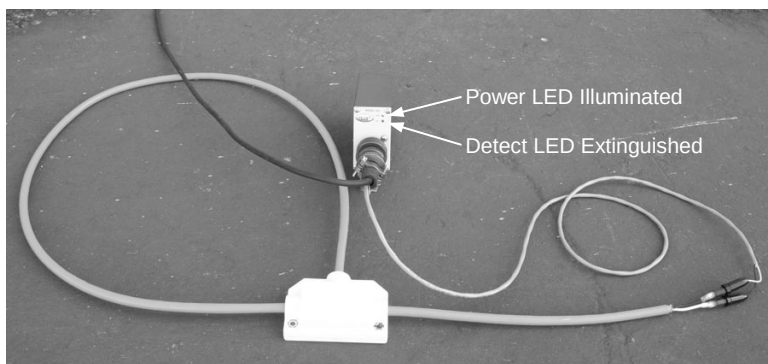
III. Operation

Place the AVI-X Transmitter over or inside the area defined by the Demonstration Loop. The red Detect LED labeled **DET** on the AVI-B Receiver will illuminate.



AVI-X Transmitter In Loop

Remove the AVI-X Transmitter from its location over or inside the loop area. The red Detect LED labeled **DET** on the AVI-B Receiver will extinguish after two (2) seconds have elapsed once the AVI-X transmitter is outside the detection range of the AVI-B Receiver.



AVI-X Transmitter Removed From Loop

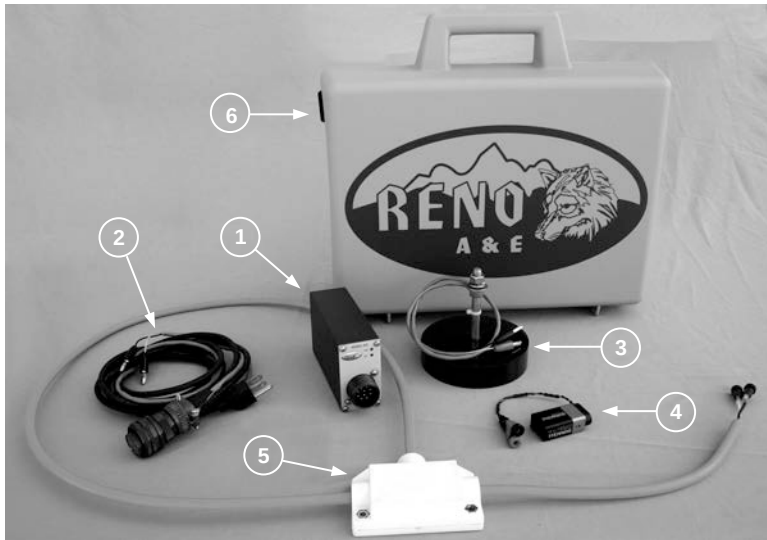
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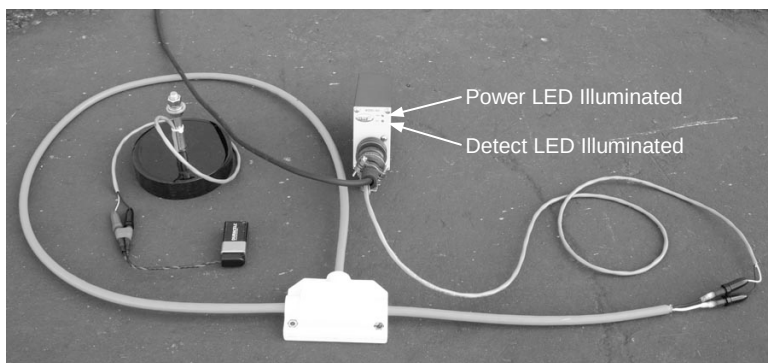
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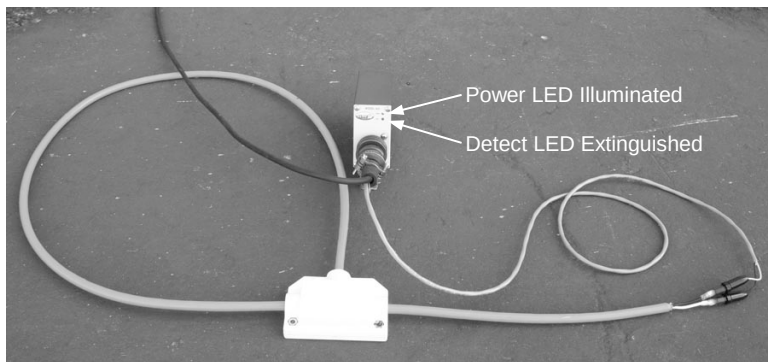
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