



Procedure:

1. Perform a basic vehicle or equipment check before starting installation. Notify Customer of any issues or pre-existing conditions.
2. Check to make sure the VTU being installed matches the vehicle (if pre-assigned or a service call for repair).
3. Use torque/tamper seal on all connections made to the Vehicle Tracking Unit (VTU) and wiring connections made to the vehicle or equipment.
4. Contact the SageQuest check-in line before releasing vehicle/equipment (See Installation Check-Point). You will be asked for the devices ESN. This is required to register the VTU. Make sure you are with vehicle/equipment and on a portable/mobile phone. *For after hours installations, call the following business day.* Complete all "Job Sheets" and fax to 866-268-9485 or email to installations@sage-quest.com.
5. If there are any issues before, during, or after the installation, call SageQuest or your assigned contact immediately.

Installation/Mounting: This Vehicle Tracking Unit (VTU) is designed to be used in applications where it may be exposed to the elements such as portable generators, heavy equipment, or logistics trailers. It is recommended to note the ESN on the bottom of the VTU before mounting. The VTU should be mounted as follows:

- Vertical or semi-vertical location where any excess rain or snow will not submerge the device entirely.
- The VTU should not be mounted where it would be exposed to excessive heat (including exhaust).
- Avoid locations that have moving parts, grease/oil/chemicals present, or will be struck by passing obstructions such as tree branches.
- Never put the VTU in direct contact with a pressure washer.

Electrical/Wiring: The VTU is designed to work in either two or three wire environments. The voltage requirements are **+12/24 VDC**. Connecting to any other power source **will** cause irreparable damage to the device and may damage vehicle and/or equipment. The VTU is fused at 3A.

3-wire: The 3-wire installation should be connected as follows (common on heavy equipment):

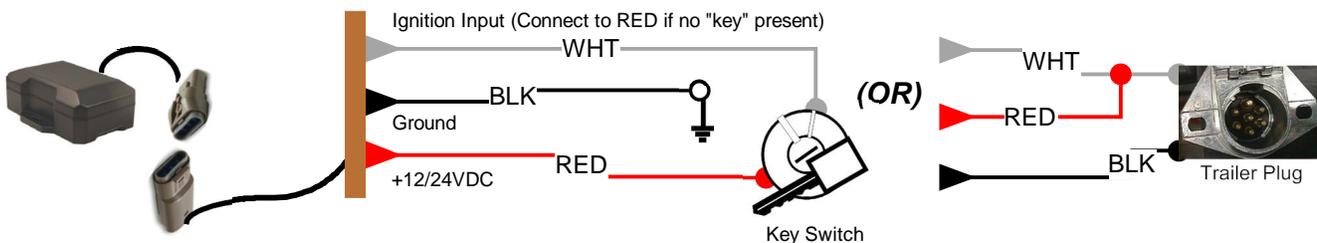
RED: +12/24VDC constant source **BLK:** Ground **WHT:** +12/24VDC switched source

2-wire: The 2-wire installation should be connected as follows (common on trailer connections):

RED: +12/24VDC switched source [or (+) input on trailer plug] **BLK:** Ground **WHT:** (same as RED)

*Do not cut out fuse holders or harness connectors. ** **Never** open the device.

Diagram:



- **All** wiring connections must be soldered or post mounted. No T-Taps or Scotch-Locks.
- **Secure** all loose wiring with cable clamps and/or tie straps. Never leave wires un-secure. Use wire loom when necessary.
- **Use** a battery terminal protector on all terminating connections exposed to the elements.
- **Additional** guides for specific installations are available for this VTU (see Special Application Guides section).

Installation Check-Point:

- Once device is installed, verify all connections and seal any holes drilled for cable installation.
- Contact SageQuest support to test device. Power must be applied on trailer applications to test properly.

Optimal Solutions



SageQuest technical support can be reached at (888)837-7243 (Ext. 3730) or (440)528-0822 Direct . For additional installation guides, resource information, or vehicle wiring support, go to www.sage-quest.com/installation .

Disclaimer: All information is provided "as is" without any warranty of any kind, either expressed or implied, including but not limited to suitability for a particular use. Any user of this document assumes the entire risk as to the accuracy and use of this information contained. Please verify all wire colors, diagrams, and documentation before applying any information. Always use a digital multi-meter when testing wires/circuits, never use a "test light".