



YELLOW ACTIVITY MONITORING SYSTEM

VR903 Activity Recorder Installation Instructions



Important: Keep a record of the Activity Recorder serial number (top left side of the housing) and the vehicle on which the recorder is mounted. This is required for software configuration.

1. Location

The choice of mounting location is dependent on the following:

1.1. Operator access

The Activity Recorder should be mounted for suitable operator access. Depending on the recorder model, Tally Stick insertion, operator tagging and front panel access may be required.

1.2. GPS satellite reception

The Activity Recorder uses GPS satellite signals for determining vehicle location. Mounting should offer a clear view of open sky. Under a metal covering is not recommended.

1.3. Work-induced vibrations

The mounting surface should be one that experiences vibrations during vehicle operations. Various surfaces in a vehicle will experience different vibration intensities and frequencies but, in general, mounting on most chassis, dashboard or window surfaces of a vehicle would be suitable. Avoid mounting on foam or vibration-damped surfaces

1.4. Cables and electrical connections

The Activity Recorder requires connection to the vehicle's electrical system. Check cable lengths, routing and connection points when selecting the mounting location.

2. Attachment method

The Activity Recorder may be mounted using one of the following methods:

2.1. Double-sided tape

Use three 120mm strips (25mm width) of double-sided foam adhesive tape on the back the Activity Recorder. Fix the recorder to a smooth, clean surface (e.g. a window or panel).



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2.2. Silicon adhesive/sealant

Cover the rear of the Activity Recorder with a suitable adhesive/silicon, and attach to a reasonably flat surface. It is important that the Activity Recorder be secured in place while the adhesive dries/cures.

2.3. Drilled holes and screws

Suitable self-tapping screws are provided with the recorder. The screws are inserted through the mounting holes in the Activity Recorder enclosure. These are accessed by removing the front panel of the recorder. A 3mm allen key wrench is provided for this.

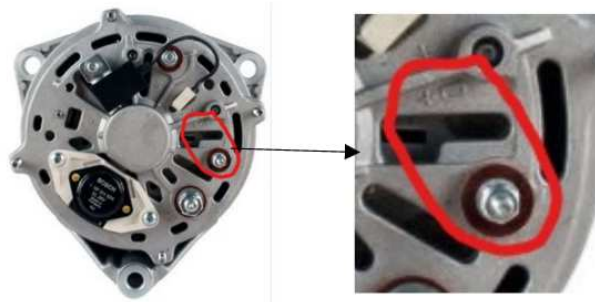
NB : Ensure that there is no obstruction that might interfere with the cable connection or the insertion of the Tally Stick.

3. Electrical connection

It is recommended to consult an auto-electrician or vehicle mechanic for electrical connection.

The Activity Recorder requires three electrical connections for its operation. These are:

1. **Chassis** (black wire on the paired cable). This should be connected to a suitable ground (battery negative) connection point on the vehicle electrical system.
2. **Switched positive** (red wire on the paired cable). This should be connected to the positive, ignition-switched vehicle supply of 12 or 24 volts. If fused, a 2 amp fuse should be used.
3. **Engine operating signal** (single, purple wire). Connect this to a 12 or 24 volt DC signal that is active **only when the engine is running**. A suitable connection would be either the “charge indicator” terminal of the alternator (often marked as “D+” or “L”, see below), or the supply to an existing engine hour meter. If fused, a 2 amp fuse should be used.



It is highly recommended to measure (using a voltmeter or multimeter) and confirm the correctness of the above connections, before plugging the connector into the Activity Recorder.

4. Marker event external switch connection

If applicable, external switch #1 should be connected to the brown/white cable pair. The connected switch contacts should idle in an open state, and close to record the event.

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