YAMS – VR272 Activity Recorder – Installation Instruction

Important are, the serial number of the recorder (left site of the casing) and the engine /vehicle identification number, needing to be recorded for the configuration of the software.

1. **Location**
   The choice of mounting location is dependent on the following:

1.1 **Operator access**
Activity Recorders should be mounted in a position where they can be easily accessed during vehicle operations. This may include dashboard or window mounting.

1.2 **Work-induced vibration**
The mounting surface should be one that experiences vibration during vehicles operations. Various surfaces in a vehicle will experience different vibration levels 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.

1.3 **Cable and electrical connection**
The Activity Recorders require connection to the vehicle´s electrical system. Check cable length, 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 long and 25mm wide of double sited foam adhesive tape on the back of the Recorder, on a clean planeness surface (e.g. a window or panel).

2.2 **Silicon adhesive/sealant**
Cover the rear of the Activity Recorder with a suitable adhesive/silicon, and attach to a reasonable flat surface. It is important that the 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 package. These holes are acessed by removing the front panel of Recorder. A 3mm allen key wrench is provided for this. After having removed the front panel it is possible to take the hole positions for the fastening holes to be drilled. The self-tapping holes require a hole size diameter of 2.5mm. After having drilled these holes, fasten the recorder in the decided position and close front panel.

NB: Ensure that there is no obstruction that might interfere with the cable connection.

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3. **Electical Connection**

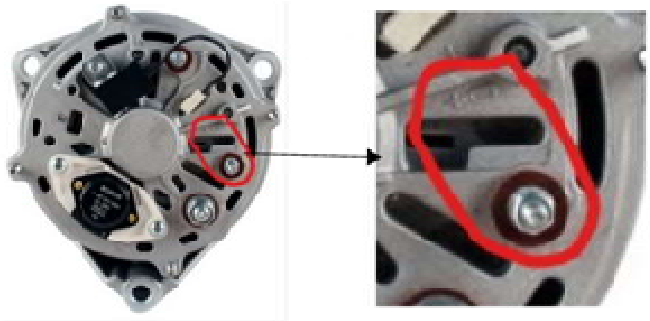
The Activity Recorder requires three electrical connections for ist operation. These are:

1. chassis (black wire on the paired cable)
2. engine operation signal (red wire on the pairedcable)

Please consult an auto-electrician or vehicle menchanic for the installation task.

The chassis connection should be made to a suitable ground connection point on the vehicle electrical system.

The engine operation signal should be a 12 Volt 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 alternater (often marked as "D+" or "L", see below), or the supply to an existing engine hour meter. It is recommended to test the chosen connection point with a voltmeter, to ensure that it is suitable. If fused, a 2 amp fuse rating would be suitable.



The permanent vehicle supply connection should provide 12 Volt ot 24 Volt DC supply at all times. Possible connection points include the supply to the vehicle fuse box or the supply to the ignition switch. If fused, a 2 amp fuse rating would be suitable.

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

4. **M21X Event Marker Unit**
   If used, this unit should be mounted in location where it is accessible to the operator, but does not effect their ability to safely operate the vehicle. Double-sided tape or silicon adhesive may used to secure the unit.