



Scrutineering Manual

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Welcome

The information contained in this document is to provide an understanding of the correct procedure in scrutineering a RallySafe installation.

It is crucial that all elements of the RallySafe fitting kit are installed into each vehicle correctly and are properly assessed before every event to ensure the system works correctly.

To make this happen you will need to become familiar with the correct installation procedure and the common mistakes made when fitting units.

If there is any aspect of an installation you are unsure of please contact RallySafe staff for further clarification on whether it is acceptable or there is a problem.

When to Scrutineer RallySafe Installations

It is best that scrutineering of RallySafe equipment is done in conjunction with vehicle scrutineering. This ensures no vehicles are missed and RallySafe staff are on hand to provide assistance if necessary.

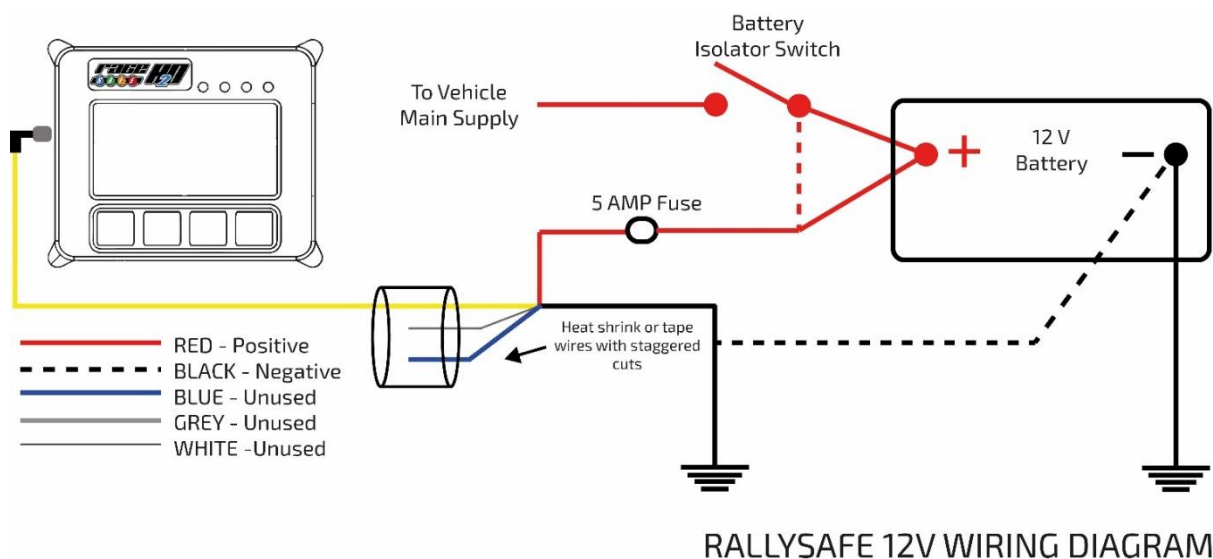
RallySafe 12v Power Supply

The yellow RallySafe Power Cable must be wired directly to the battery separate from the isolator to ensure the unit always remains powered and fully charged in the result of an incident.

There must be no damage to the cable throughout the car and the green LED on the connector must be on.

The Grey, Blue and White wires on the power cable must be stagger cut and taped back to ensure they do not short on anything. It is also recommended that a 5 amp fuse be installed at the battery end as well, however this is not absolutely necessary so some installs may not have it.

There must be at least 300mm of loose cable at the unit mounting bracket end for connection to the unit.



Roof Antenna Installation

In cases where the recommended roof mounted bolt on antenna is used, the cables must be checked for any bad crushing, cuts or any lengths coiled together.

300mm of loose cable must be left at the unit mounting bracket for connection to the unit.

Cables must not be run between the roll cage and panels but on the inner side of the roll cage to prevent crushing.

If the temporary stick on antenna is used, the above must be checked in addition to a thorough inspection of the cable where it passes the door seal or otherwise enters the car.

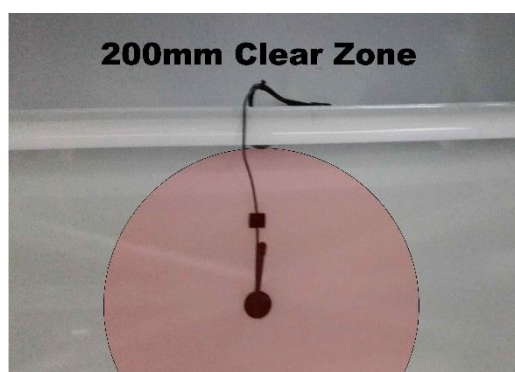
Any vehicles with cables overly crushed or otherwise visibly damaged must be mentioned to RallySafe staff prior to the event for further inspection.



Internal Wi-Fi Antenna Install

Internal Wi-Fi antennas must be installed vertically and clear of any roll bars or obstructions. They can be stuck facing down from the roof or facing upwards on a rear parcel shelf or similar provided they are not obstructed by any roll cage bars. If placed downwards from the ceiling they must be a minimum of 200mm away from any roll cage bars or solid metal. They can be stuck to the bottom of a roll cage bar if the roof itself is too cluttered.

The cable must be run on the inner side of any roll cage bars to prevent it getting damaged in the event of a crash, and the cable must be free of any damage.



Unit Mounting

Some events may scrutineer cars where RallySafe units have already been fitted. If this is the case, units must be checked for a number of things:

All three antenna leads and the power cable must be firmly screwed into the unit and unable to move.

Cables must have some slack to be able to move without breaking in a rough impact.

The blue lead connected to the unit must be the blue lead from the internal Wi-Fi antenna, NOT the one blue lead from the roof antenna.

The unit must be powered up and on the transport screen. The unit does go to sleep so to check this press a button on the unit to see if it wakes.

If a unit is beeping or not booting up to the transport screen, contact RallySafe staff to have the fault inspected.