SPEAKER INSTALLATION

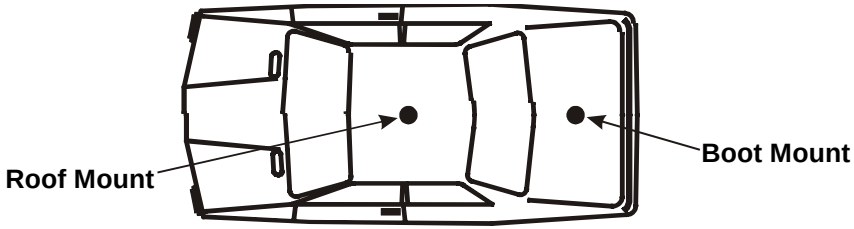
The *Speaker* is to be located so that vehicle structure will not cause muffling or distortion of the audio signal. Suggested locations include the console, under the dashboard, or on the rear parcel shelf.

The *Speaker cable* can either be connected to the *Transceiver LT Lead* directly, or via the *Speaker Extension Lead*.

Note: Connectors are polarised to ensure that the correct speaker polarity is maintained.

ANTENNA INSTALLATION

For optimum radio performance it is recommended that the *Antenna* be mounted in the centre of the vehicle roof. If the *Antenna* is to be fitted to a fibreglass, or other non-metallic surface that does not have a sizeable groundplane (~ ½ wavelength diameter), then a ground-plane-independent Antenna must be used.



Typical Antenna Locations

Route the coaxial cable to the *Transceiver* and install the *Antenna* according to the manufacturers instructions

Terminate the coaxial cable using a BNC connector. Ensure that all of the vehicle doors are closed and using a Reflectometer between the Transceiver and the Antenna BNC, conduct a VSWR check. If the VSWR is >1.5:1, re-check the Antenna and cabling/connections. If the VSWR <1.5:1, connect the Antenna BNC to the *Transceiver* Antenna socket.

POST INSTALLATION CHECKS

When performing RF compatibility checks, ensure that the Transmitter is activated only for the time required to make the observation.

With the vehicle stationary and the engine running at fast idle, activate the Transmitter and check that the engine continues to run smoothly, the brake lights do not illuminate, and that all dashboard instrumentation indicates correctly.

- Operate the brake pedal, activate the Transmitter and ensure that the brake lights do not extinguish.
- Operate the direction indicators, activate the transmitter and ensure that indicators operate correctly.
- Put the vehicle into motion at a moderate speed (15-20 kph or 10-13 mph), activate the Transmitter, and operate the brake pedal simultaneously. Check that braking action is normal, and that the engine does not surge or cut out.

CE 0885

Hereby, TMC Radio declares that this product is in compliance with the essential requirements and other relevant provisions of **Directive 1999/5/EC**.

A	B	CH	D
DK	E	F	FIN
GB	GR	I	IRL
N	NL	P	S

SRM9000 SERIES INSTALLATION INSTRUCTIONS

WARNINGS and CAUTIONS

SRM9000 radio equipment is to be connected *only* to 12-volt negative earth systems.

In vehicles with a 24-volt supply, an approved 24V/12V converter must be used. The supply must not be taken from a 12V tap on the battery.

Equipment is to be installed in accordance with the requirements of local radio communications authorities and/or Health and Safety regulations.

12V Supply Leads, Antenna cables and Speaker wiring is to be routed as far away as possible from gas or fuel lines. This reduces the risk to safety in the event of a leak.

In vehicles fitted with Electronic Ignition, Fuel injection, Anti-skid brakes, or any other electronic control device where temporary loss of service could be hazardous, the radio transceiver and antenna are to be mounted as far away as possible from these devices and their cabling.

To avoid RF injury, do not touch the Antenna when the Transmitter is in use.

POLICY STATEMENT

Due to our policy of continuous improvement of our products and services, technical specifications, correct at time of publication, may be subject to variation without prior notice. TMC Radio has endeavoured to ensure that the information in this document is fairly stated, but does not accept liability for any errors or omissions. This publication is copyright and no part may be reproduced without prior permission of TMC Radio.

INTRODUCTION

These instructions are intended as a guide for installation. Please contact your supplier for any additional advice that may be required.

These instructions are to be read with reference to the Installation Diagram supplied. Text in this document in *Italics* refers to items on the Installation Diagram.

Be aware of the hazards provided by joint presence of fuel (petrol or gas) and sparks.

Post installation checks should be performed to ensure that there is no effect on electronic management systems.

TNM-I-E-0005 Issue 5

ISO 9001 SGS

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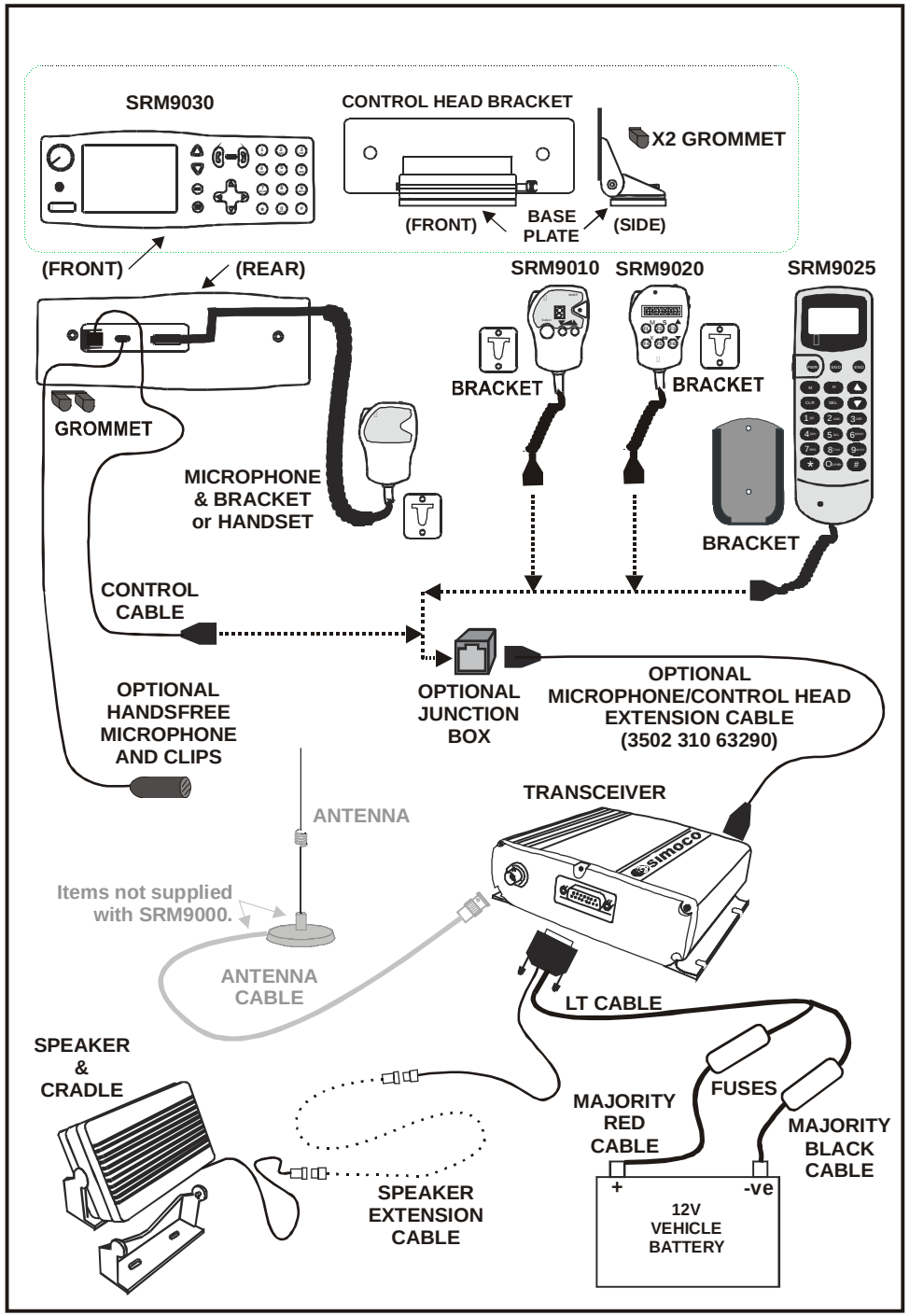

TRANSCEIVER INSTALLATION

The *Transceiver* is designed to be mounted in the luggage compartment or under the front seat. **Do not cover the transceiver with carpet, mats or luggage**.

Locate the *Transceiver* in the desired position. A minimum clearance of 20mm around the *Transceiver* is recommended to ensure adequate airflow.

Secure the *Transceiver* in position using the supplied screws. Alternatively, if the Quick Release Mounting option is used, mount the Cradle in the desired position and clip the transceiver into the Cradle.

POWER & OPTION CABLING

Run the *LT-Cable* from the installed *Transceiver* to the *Vehicle Battery* terminals. Ensure the cable is routed with enough slack so that it is not under tension in its travel. Allow an extra 0.5m before cutting off excess. Ensure any holes that the cable passes through are de-burred and fitted with a grommet.

Fit the *Fuses* in both +VE and -VE wires of the cable pair. The *Fuses* are to be fitted within approximately 0.5m of the *Battery* before the cable has contact with other cables or the vehicle body. Only 12V, 10Amp, fast blow fuses should be used.

On the DB15 *Power/Speaker* connector, connect Pins 3 and 14 as follows:

Pin 3 (Ignition Sense)	Connect Pin 3 to the Ignition Switch wiring such that +12V is applied when the ignition is switched ***ON*** and is disconnected when the ignition is switched ***OFF.***
Pin 14 (Handsfree Mic)	Refer to separate Installation Instructions for connection of the Handsfree Microphone.

CONTROL HEAD/HANDSET/MICROPHONE INSTALLATION

The *Control Head* and/or *Microphone/Handset* stowage bracket should be mounted so that the display and control buttons are readily visible and accessible to the driver when constrained by a seatbelt. Ensure that these locations are chosen such that the equipment cannot cause injury in the event of an accident. Ensure that all in-cab equipment is mounted outside the passenger's safety zone. Ensure that there is adequate room for cables to exit the *Control Head* without interference.

Do not locate the *Control Head/Handset/Microphone* on the top of the dashboard or in direct sunlight as the temperature of exposed surfaces may rise over 100°C in the sun.

Locate the *Handset/Microphone Bracket* where the driver can readily remove or stow the *Handset/Microphone*. Ensure that the curly cord is not stretched when the unit is stowed on the *Bracket*.

Note: The *Handset/Microphone Bracket* is proximity sensitive. Certain radio operations rely on the *Handset/Microphone* being correctly stowed in the stowage bracket when it is not being used.

The *Control Head Bracket* may be fitted onto the *SRM9030* in two orientations, allowing extra mounting options. Determine the desired position and secure the *Control Head Bracket Base Plate* in position.

Connect the *Microphone* and *Transceiver Cables* (refer to diagram). Secure the *SRM9030* to the *Mounting Bracket.* Locate and secure the *Mounting Bracket* to the *Base Plate.*

If the Optional *Mic/Control Head Extension Cable* and *Junction Box* are used, locate and secure the *Junction Box* in a safe convenient location using the supplied fittings.