

T02-00004-0201/T02-00004-0202 Horn Speaker Installation Instructions

Introduction

The T02-00004-0201 horn speaker (for 25 W radios) and the T02-00004-0202 horn speaker (for 30-50 W radios) can be mounted externally on the vehicle so that radio traffic can be heard when personnel are outside the vehicle. The horn speaker is connected to the radio's speaker out terminals.

The horn speaker is supplied with a 20 ft (6m) extension cable, and a flying lead.

The flying lead is terminated with two receptacles. The receptacles of the T02-00004-0201 (for 25 W radios) are different from those for the T02-00004-0202 (for 30-50 W radios). Two spare receptacles are included with each kit.



Alert Symbol and Message Conventions

Please follow exactly any instruction that appears in the text as an 'alert'. An alert provides necessary safety information as well as instruction in the proper use of the product. This document uses the following types of alert:



Warning This alert is used when there is a hazardous situation which, if not avoided, could result in death or serious injury.



Caution This alert is used when there is a hazardous situation which, if not avoided, could result in minor or moderate injury.


Notice This alert is used to highlight information that is required to ensure procedures are performed correctly. Incorrectly performed procedures could result in equipment damage or malfunction.




This alert is used to highlight significant information that may be required to ensure procedures are performed correctly, or draw your attention to ways of doing things that can improve your efficiency or effectiveness.


Safe Mounting and Operation of the Horn Speaker


Before installation or use, be sure to carefully read all the instructions in this section for correct and safe installation and operation. After reading, keep this document handy for future reference.

 **Warning** Incorrect installation of the horn speaker may result in death or serious injury. The horn speaker could break loose due to the extreme forces applied during a collision or braking.


- Install the horn speaker only to a mounting surface or structural element and in a location that can structurally support the weight of the horn speaker (13.2lbs [1.4kg]) during a collision.
- Use nuts and bolts that are appropriate for the mounting surface's structure and composition.
- Tighten each nut and bolt securely. Ensure that the mounting bracket has no loose joints after installation.
- Check regularly whether the horn speaker is still secure and hasn't corroded. Retighten or replace if necessary.


 **Warning** Attach a safety wire to the unit when mounting in locations high above the ground.


 **Warning** Choose a mounting position for the horn speaker where it will not interfere with the operation of any of the vehicle controls.

 **Warning** When drilling holes in the vehicle, check that drilling at the selected points will not damage existing wiring, petrol tanks, fuel and brake lines, or battery cables.

 **Warning** To avoid accidental air explosions, do not use the unit around gasoline, thinner or other combustibles.

 **Warning** Protect the unit from exposure in snowy areas, as the weight of snow build-up could cause the speaker to down or drop.

 **Warning** Do not operate the horn speaker for an extended period of time with the sound distorting. This is an indication of a malfunction, which in turn can cause heat to generate and result in a fire.

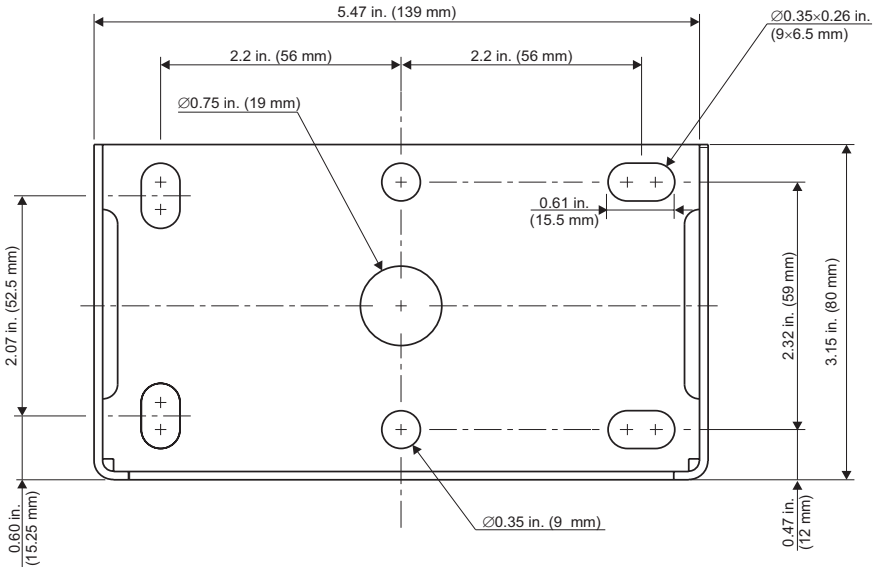
 **Caution** Do not stand or sit on, nor hang down from the horn speaker as this may cause the speaker to fall down or drop.

Notice When installing the horn speaker, be sure that water and snow cannot accumulate inside the horn.

Notice When installing the horn speaker, make sure the speaker cable is protected from engine heat, sharp edges and from being pinched or crushed. Use appropriate cable grommets.

i Installation of this product on a vehicle must be performed according to the instructions provided by the vehicle manufacturer. For more information, refer to the vehicle manufacturer's website or contact the vehicle manufacturer's dealer.

Drill Pattern of Mounting Bracket (Not to Scale)



Wiring the Horn Speaker

Notice Be sure to note the following polarities:

- Black speaker cable: Positive (+)
- White speaker cable: Negative (–) or COM

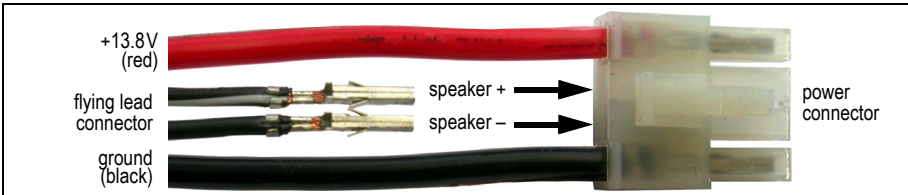
- 1 Connect the horn speaker cable to the extension cable using a suitable waterproof connector.
 - Connect the **black (positive) wire** of the speaker cable to the **red wire** of the extension cable.
 - Connect the **white (negative) wire** of the speaker cable to the **black wire** of the extension cable.

i The extension cable is a 20 AWG cable.

- Run the receptacle end of the flying lead to the radio power cable and install the two receptacles in the power connector, as described below.
- Insert the flying lead receptacles into the power connector socket, as shown below.

T02-00004-0201 horn speaker (25W radios)

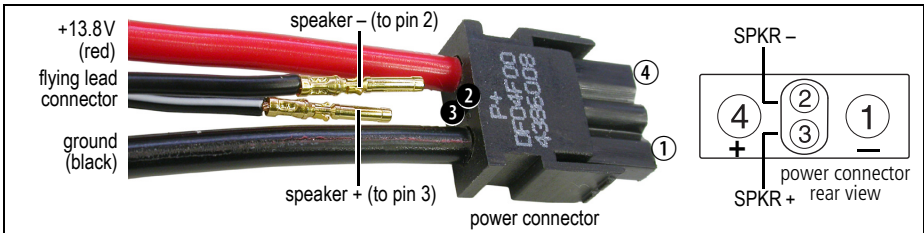
- Insert the wire with the white stripe (positive) and receptacle into the position nearest to the red wire.
- Insert the black (negative) wire and receptacle into the position nearest to the black wire.



T02-00004-0202 horn speaker (30-50 W radios)

i Tait recommends using insertion tool M81969/18-02 (Tait P/N 355-00001-00).

- Insert the wire with the white stripe (positive) and receptacle into position 3.
- Insert the black (negative) wire and receptacle into position 2.



- To connect the horn speaker, plug the flying lead into the extension cable. To disconnect the speaker, release the locking mechanism and unplug the flying lead.

Switching between the Horn Speaker and a Remote Speaker

The horn speaker and the remote speaker (TMAA10-03 or TMAA10-06) cannot be used simultaneously. If it is desired to switch audio between the horn speaker and a remote speaker, use a double-pole double-throw switch with a current rating of at least 2 A.

More Information

Refer to your radio provider for more information about this product.