

Fitting the vacuum tubes

for Vitosol 300-TM, type SP3C

Safety instructions



Please follow these safety instructions closely to prevent accidents and material losses.

Safety instructions explained



Danger

This symbol warns against the risk of injury.



Please note

This symbol warns against the risk of material losses and environmental pollution.

Installation, commissioning, inspection, maintenance and repairs must only be carried out by a competent person (heating engineer/installation contractor).

Before working on the equipment/heating system, isolate the power supply (e.g. by removing a separate mains fuse or by means of a main isolator) and safeguard against unauthorised reconnection.

Repairing components that fulfil a safety function can compromise the safe operation of your heating system. For replacements, use only original spare parts supplied or approved by Viessmann.

Fitting the vacuum tubes



Danger

Handle the vacuum tubes carefully. Broken vacuum tubes can cause cuts. Wear gloves and safety goggles.



Danger

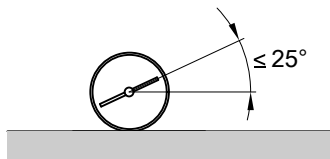
The vacuum tube condenser becomes very hot under insolation. Wear safety gloves.

Fitting the vacuum tubes (cont.)

Installation information

- Align the **coated** side of the absorber with the sun.
- Ensure that no part of the thermal insulation becomes trapped.
- The surface of the condenser must be clean.
- Position the condenser centrally in the condenser holder inside the heat exchanger.

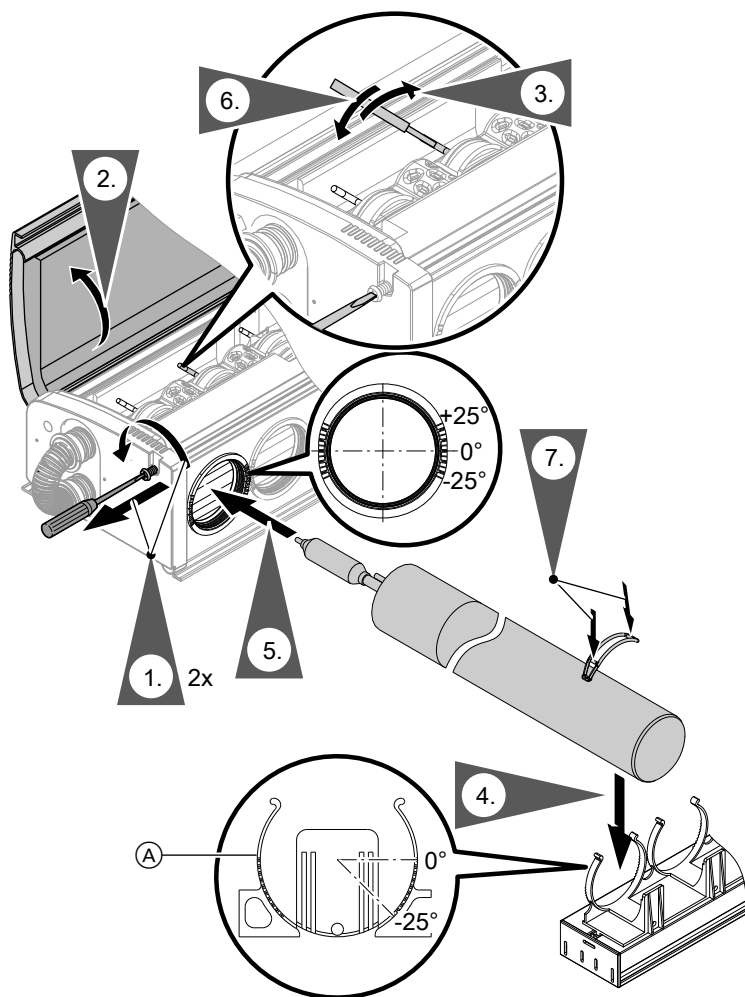
For roofs deviating from due south, adjust the angle of inclination of the absorber (see scale in illustration on page 3).



Please note

Never install or align (rotate) the vacuum tubes whilst they are locked into position. This will cause damage to the vacuum tubes.

Fitting the vacuum tubes (cont.)



Note on step 4:

Ensure that tube holder brackets (A) do **not** become damaged.

Note on step 5:

If the vacuum tubes do not slide easily through the rubber seal, moisten the rubber seal with water.

Fitting the vacuum tubes (cont.)



Please note

The collectors may be damaged if the solar thermal system is not filled with heat transfer medium immediately after installation.

Protect the collectors from insulation by covering them up.

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5792 651 GB Subject to technical modifications.