5.6 Mounting the appliance

NOTICE: Residue, metal shavings, and contaminants in the piping can damage the appliance.

- ▶ Flush the piping thoroughly and completely to remove all residue.
- ▶ Follow the instructions with respect to water quality (→ Chapter 5.1, page 35).

- ▶ Remove packaging, observing all notes and symbols.
- ▶ On the rating plate, check the identification of the target country and suitability for the gas type supplied by the local gas utility company (→ page 12).

Removing the cover

The cover is secured with two screws against unintentional removal (electrical safety).

- ▶ Always keep the cover secured with these screws.

- ▶ Undo screws (step 1).
- ▶ Lift strap (step 2) and remove cover toward the front (step 3).

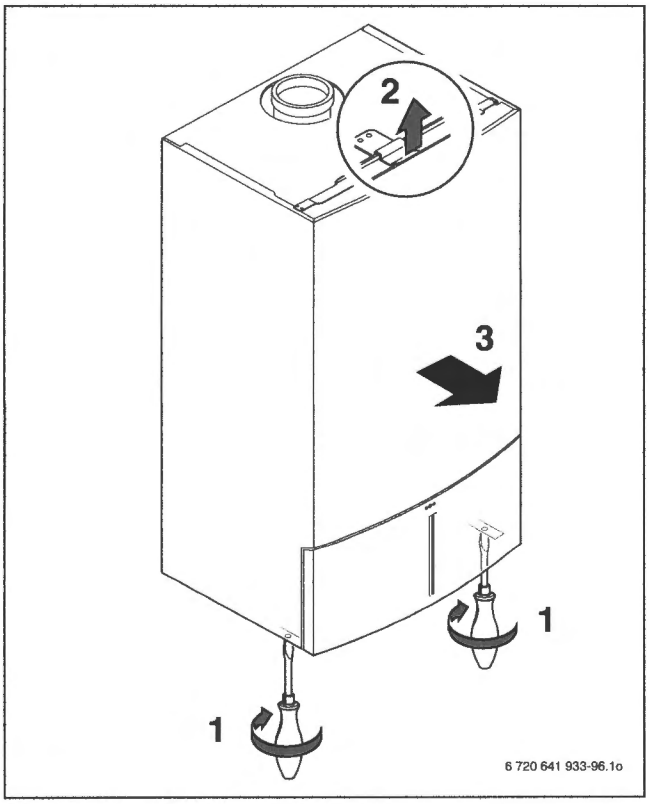

Fig. 18 Remove the cover

Hanging the appliance

- ▶ Place flat gaskets on the connections of the hydraulic bracket.
- ▶ Hang appliance on the mounting bracket.
- ▶ Tighten the union nuts on the pipe connections.

5.8.1 Installation of the exhaust and air intake system

NOTICE:
- Vent connectors serving appliances vented by natural draft shall not be connected to any portion of mechanical draft systems operating under positive pressure.

NOTICE: Burner damage!
- Avoid drawing in combustion air excessively loaded with dust or airborne particles.

DANGER:
- Ensure that the flue pipes and seals are not damaged.
- Use only sealing compounds (primer and glue) approved with the vent material.
- Never install a barometric nor a thermally controlled vent damper with this boiler.
- Connect only one boiler to each flue system or chimney flue.
- Do not route the flue system piping through or inside another duct that is used for exhausting air or other flue gases.
- The condensate trap must be primed at all times. Failure to do so may allow combustion gases to escape into boiler room.

Consult local and state codes pertaining to special building code and fire department requirements. Adhere to national code requirements.

Observe the listed maximum lengths of vent system, which are boiler model dependent (→ chapter 5.8.3).

Optional vent kits are:
- Concentric termination for horizontal/vertical (Part-#196006)
- Stainless steel parallel wall terminal (Part-#46546901)

Direct vent installations (sealed combustion)

For direct vent applications all applicable items below must be met.

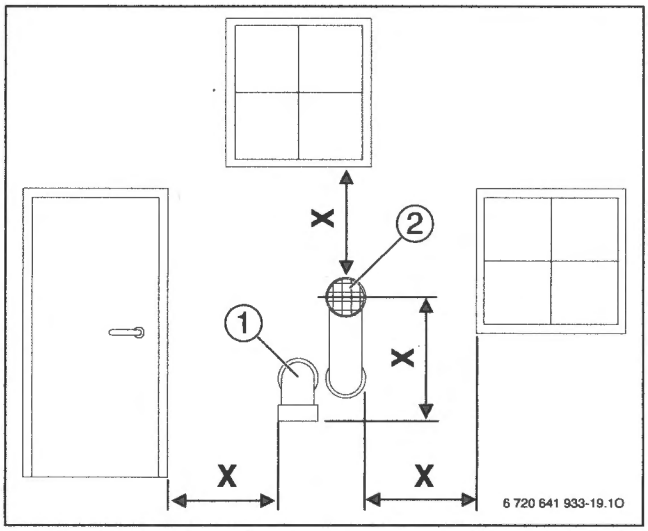

Fig. 25 Vent and combustion air pipe position of a sealed combustion system

1 Intake
2 Exhaust
X At least 1 foot (305 mm)

The termination shall terminate at least 1 foot (305 mm) below, 1 foot (305 mm) horizontally from or 1 foot (305 mm) above any door, window or gravity air inlet into any building (→ fig. 26 [2], [X_1], [X_3], page 46).

If multiple boilers are installed in a row, allow at least 1 foot (305 mm) clearance between the vent termination of one and the combustion air intake of the other.

Vent termination must be at least 1 foot (305 mm) above grade, anticipated snow line or roof surface (Canada 1-1/2 feet (457 mm) minimum) (→ fig. 26 [Y_A], page 46).

Vent termination must be at least 7 feet (2135 mm) above a public walkway (→ fig. 26 [X_5], page 46). Ensure that condensate spilling from the termination does not create a hazard or a nuisance.

Vent termination must be 3 feet (915 mm) above any forced air intake within 10 feet (3050 mm) (→ fig. 26 [1], [Y_B], page 46).

Do not extend exposed vent pipe outside the building beyond recommended distance. Condensate could freeze and block vent pipe.