

Ventilation Fans & Shutters

2/13/26

These steps cover installing either a powered ventilation fan or an intake shutter on a hoop house end wall using an installation rail kit. The goal is to create a solid horizontal mounting surface and a clean opening for airflow while maintaining plastic tension on the end wall.

This installation creates two horizontal rails:

- One upper rail for the fan or shutter to rest on
- One lower rail to provide a solid surface for fastening

Lock channel is then installed around the opening so the plastic can be secured tightly and cut cleanly after installation.

Tools	Parts
• Metal cutting tool • Drill with 5/16" nut driver • Level, preferably magnetic • Two clamps • Ladder • Ratchet with 1/2" drive • Multiple tape measures • Tape or zip ties for cable management if installing a powered fan	Shutter Exhaust fan hardware kit • (8) Rail Clamps • (4) 1/4" x 2.5 Carriage Bolts • (4) 1/4" Nuts

1. Choose the location

Install the fan or shutter as high as possible on the end wall to improve airflow.

2. **Measure the opening width**

Measure between the vertical end wall posts. Cut one horizontal pipe to this length for the top rail.

3. **Install the top rail**

Attach end rail clamps to each vertical post. Insert the pipe, level it, and tighten the clamps. Keep carriage bolts on the inside of the structure.

4. **Mark the lower rail height**

Measure down from the top rail the height of your fan or shutter. Add about 1/8 inch for clearance and mark both sides.

5. **Install the lower rail**

Attach end rail clamps at your marks. Insert the second horizontal pipe, level it, and tighten the clamps.

6. **Mount the fan or shutter**

Center the unit between the rails. Clamp it in place, then secure it with self tapping screws. Make sure shutters open freely.

7. **Install lock channel**

Add lock channel along the top, bottom, and sides of the opening so the plastic can be secured tightly.

8. **Final check**

Confirm everything is level and tight. Lubricate moving shutter parts as needed. After the plastic is installed, cut out the opening inside the lock channel.



Scan **QR** for info on **Installing Ventilation** or visit
https://youtu.be/AefXohJZ8H0?si=tr_oyce8vIrBZlyg