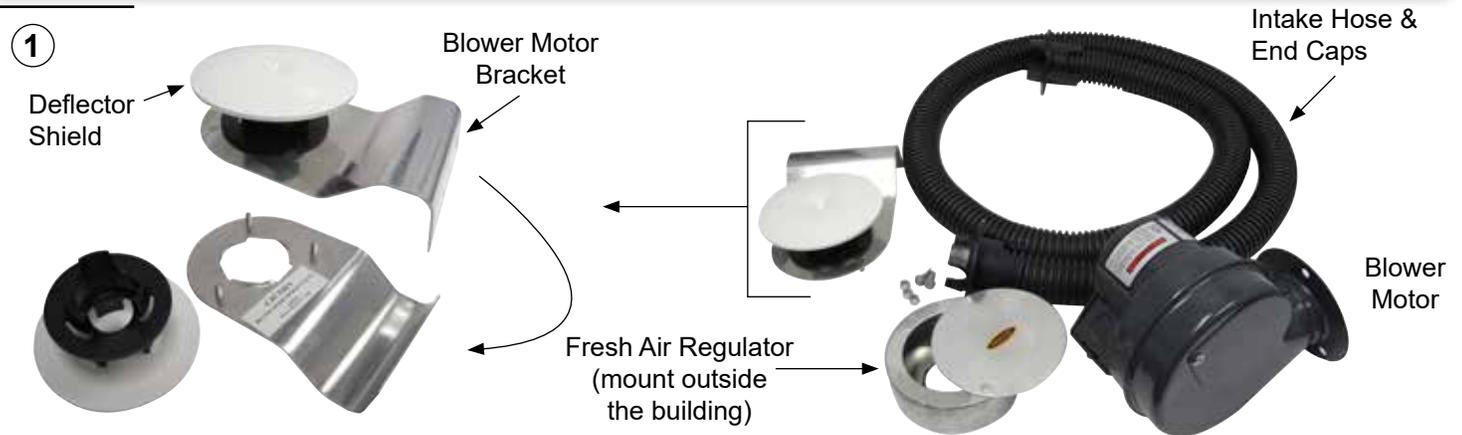


# 110094 Air Inflation System FarmTek®

Follow the procedures as shown. Tools: socket wrench set, utility knife, marker, and repair tape or heavy-duty duct tape to complete the steps. **ATTENTION:** To prevent condensation between film layers, intake air used to inflate cover film must come from outside the greenhouse. **Follow the instructions to properly install intake hose and fresh air regulator.**



## ATTACH BRACKET AND BLOWER MOTOR

**ATTENTION:** Install first layer of cover film as instructed in building guide before you continue.

**STEP 1:** After choosing where to mount the system, rotate deflector shield to disconnect it from blower bracket. See photo on the next page for an example.

**STEP 2:** Carefully lift film and slide bracket between cover film and top of rafter.

**STEP 3:** Fasten blower bracket to rafter using the supplied Tek screws. (Actual rafter design may differ.)

**STEP 4:** To protect greenhouse film, cover Tek screws and bracket edges using customer-supplied repair tape or heavy-duty duct tape.

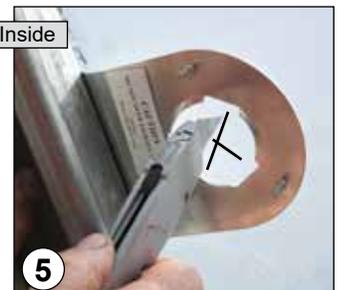
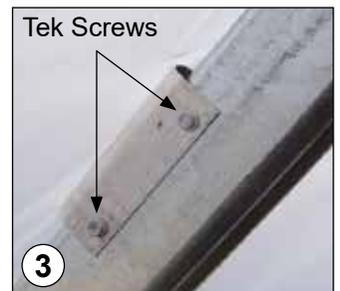
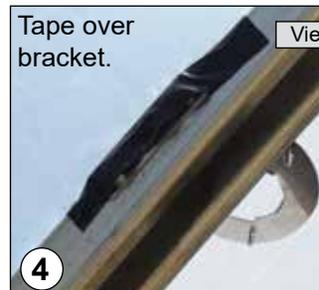
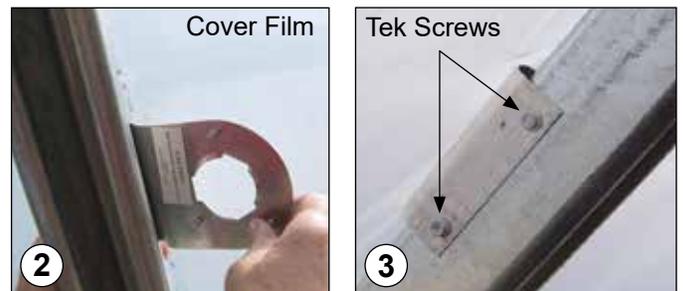
**STEP 5:** From inside the greenhouse, cut a small "X" in the inside or first layer of cover film using a utility knife. Use the blower bracket as a guide. Do not cut outside bracket.

**STEP 6:** From outside the greenhouse, insert the deflector shield through cover film and into the bracket. Rotate deflector shield to lock in bracket.

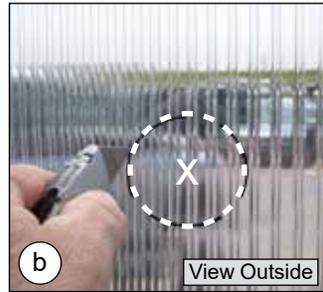
**NOTE:** Deflector shield is installed between the two layers of cover film. If outer (second) layer of cover film is already installed, carefully loosen that layer as needed. Then install deflector shield as described above. Once deflector shield is installed, reattach outer layer of cover film.

**STEP 7:** From inside the greenhouse, place blower motor over bracket studs and secure in place using the supplied nuts. *Do not over-tighten nuts! Doing so could strip or twist studs loose from bracket.*

**STEP 8:** Continue by completing either the polycarbonate or film cladding procedure on next page.



## INSTALL AIR REGULATOR (for buildings with polycarbonate end or side wall cladding)



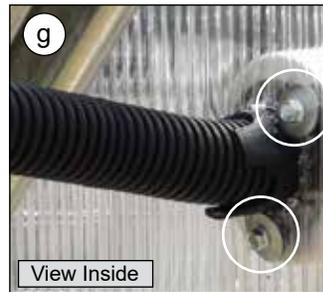
1. Mark air regulator position on outside surface of polycarbonate cladding panel. Position must allow intake hose to connect regulator to blower motor. Cut opening (x) in cladding panel.



2. Detach end cap from hose and attach end cap to air regulator. Turn to lock in place. Move to outside the building.



3. Insert air regulator assembly through end panel from outside and hold regulator in place from the outside as shown.

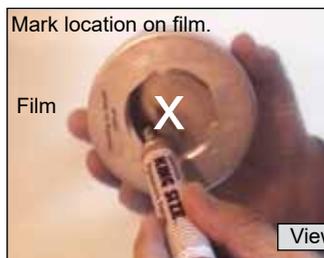


4. Reattach hose to end cap. From inside the greenhouse, secure regulator by installing customer-supplied fasteners through panel and into regulator housing. Attach intake hose to regulator and blower motor. See that procedure at the bottom of this page.

**ATTENTION:** To prevent condensation between film layers, use air from outside the greenhouse to inflate roof film.

**Mount air regulator assembly outside the greenhouse.**

## INSTALL AIR REGULATOR (for buildings with film end or side wall covering)



1. From outside the building, press air regulator against film covering and mark hose location (X). Position must allow intake hose to connect regulator to blower motor. While holding regulator against film from outside, have an assistant carefully make a few relief cuts in film from inside. *Photos above show hand and regulator on outside of building; assistant with marker and utility knife on inside.*



2. Continue holding regulator body against film from outside and insert end cap from inside building into the regulator body. Turn housing or end cap and hose to lock the components together. Regulator body is outside the building; end cap and hose are inside with blower motor. Film is sandwiched between the components. In photos above, regulator body is outside. Complete the step below.

## INSTALL INTAKE HOSE BETWEEN AIR REGULATOR AND BLOWER MOTOR



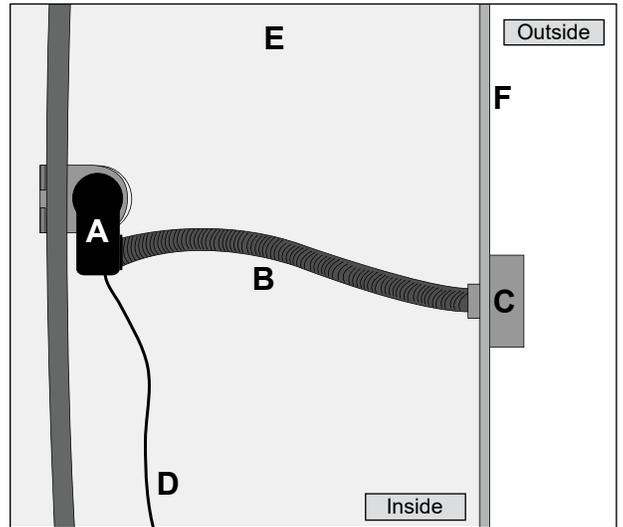
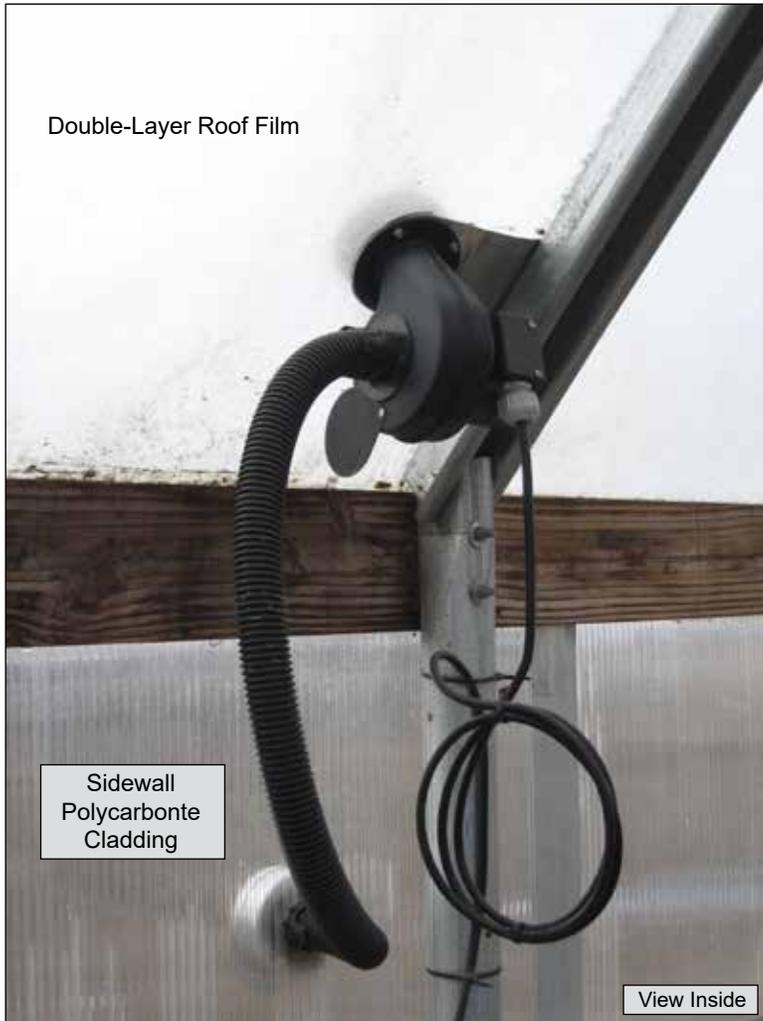
- Take free end of intake hose with attached end cap and connect to blower motor. Twist to lock in place. Contact a qualified electrician to properly connect the blower motor to power supply and test operation of inflation system.

**ATTENTION:** To prevent condensation between film layers, mount air regulator outside the building so outside air is used to inflate the cover film.

**Do not mount regulator assembly inside greenhouse.**

**Consult the photos and diagrams on following page for additional information.**

## SIDE VIEW DIAGRAM



- A:** Blower motor attached to rafter inside building.
- B:** Air intake hose connecting blower motor to air regulator.
- C:** Air regulator mounted outside building.
- D:** Electrical cord connected to power by a qualified electrician and according to local codes.
- E:** Roof film.
- F:** Cladding (end wall or sidewall): Film or polycarbonate panels.

