

Installation and Assembly Instructions for Manual or Motor Operated Type IL Intake Louvers

ALSO TYPE IWD

INSTALLATION

1. Pre-Installation Check of Intake Louver.

Before installation of an American Coolair Type IL intake louver, a careful check should be made for shipping damage which may affect operation of the unit. Concealed damage to the louver is a possibility. If damage is found, file a claim immediately with delivering carrier.

2. Installation Procedures. The Type IL intake louver is shipped completely assembled with adjustable mounting anchors for attachment to 8" or 12" masonry wall.

(a) Bolt four (4) mounting anchors (See No. 1 in Fig. 1) to louver frame. Turn ear of anchor to catch edge of masonry wall. Locate bolt in round holes in louver frame and into threaded hole near straight end of anchor.

(b) Place louver in wall opening with bird screen to outside. Louver face should be recessed approximately 1" from face of outside wall. (See No. 2 in Fig. 1)

(c) Place four (4) additional mounting anchors between masonry and louver frame with ear of anchor turned to catch inside edge of wall. Locate bolt in slotted hole and adjust anchors to hold louver securely. (See No. 3 in Fig. 1)

3. Assembly of Linkage. Louver sections are designed for manual or motorized operation. Instructions on assembly of linkage for manual operation are shown below. See back of this sheet for instructions on assembly of linkage for motor operation.

ASSEMBLY

1. Assembly of Linkage for Manual Operation. Linkage and pull chain are normally designed to operate a set of two louver sections. Figure 2 illustrates correct assembly. If a single louver section is used, linkage should be modified accordingly. See Figure 3. To assemble linkage for operation of a set of two louver sections:

(a) Attach chain linkage to tie-bar of each

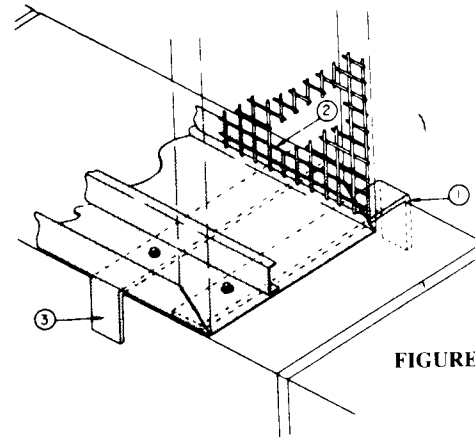


FIGURE 1

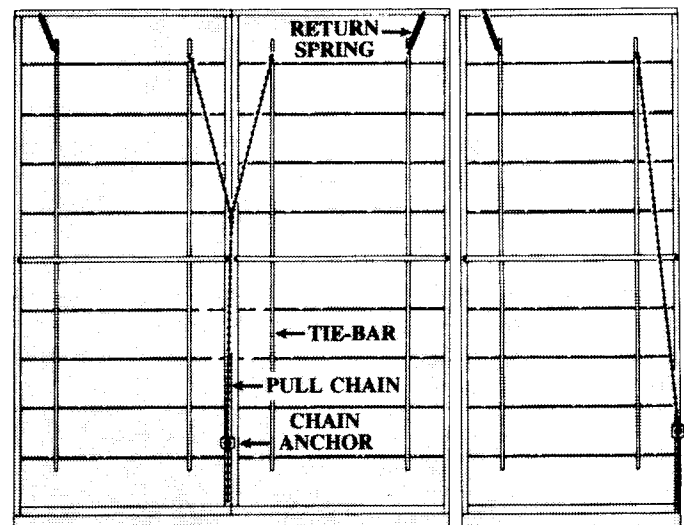


FIGURE 2

FIGURE 3

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ASSEMBLY (continued)

louver section as illustrated in Figure 2. Place S-hooks in hole near top of tie bar. Use tie-bars adjacent to center point. If necessary, move Return Spring to other tie-bar.

(b) Attach Chain Anchor to frame of left louver section at lower right hand corner. A mounting hole is provided at that point.

(c) Adjust louver blades to desired position and secure pull chain to chain anchor.

2. Assembly of Linkage for Motorized Operation. Motor and linkage are designed to operate a set of two louver sections. If a single louver section is used, motor location remains unchanged and linkage is modified by adding an additional spring (provided with the motor package) as shown in Figure 5. To install motor and assemble linkage to a set of two louver sections:

(a) Mount motor in lower left corner of right louver section. Use clamping screw and support clip to secure motor to bottom and side of louver frame. See Figure 4.

(b) Chain linkage is pre-attached to Operator Arm on motor. Cut chain linkage to correct length and attach linkage to tie-bar of each louver section as illustrated in Figure 4. Place "S" hooks in holes just below mid-point of tie-bar. Also discard extra return spring and "S" hooks which are not used. **IMPORTANT:** Manually rotate Operator Arm on motor to "up" position before attaching linkage.

(c) If motor and linkage are used with a single louver section, return springs should be attached at top of each tie-bar to insure proper close of blades. An extra spring for this purpose is provided in the motor package.

(d) Check voltage and phase on motor nameplate before connecting the power supply. Do not operate motor until linkage is connected to louver.

(e) With power connected, operate louver and adjust linkage if necessary.

CAUTION: Do not return damaged or defective parts to American Coolair without prior authorization. If repairs under warranty are claimed, see warranty terms in American Coolair catalog or contact the factory in Jacksonville, Florida. Claims for warranty repairs to electric motors should be made direct to the motor manufacturer.

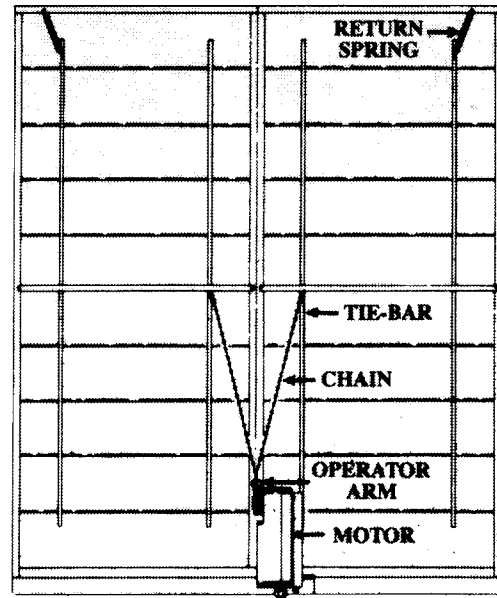


FIGURE 4
(Two Louver Sections)

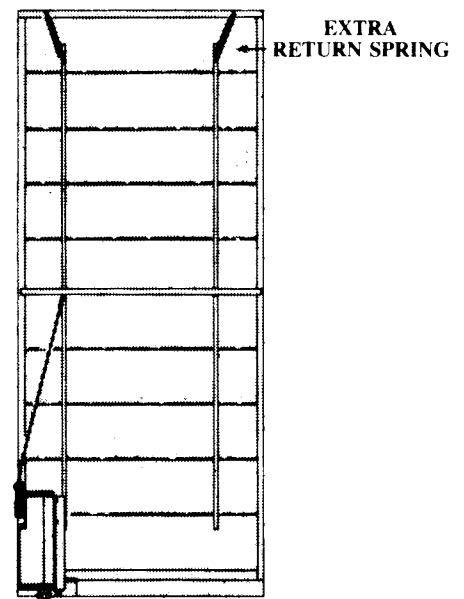


FIGURE 5
(One Louver Section)

WARNING

CAUTION



DO NOT INSTALL FAN WITH MOVING PARTS WITHIN 8 FEET OF FLOOR OR GRADE LEVEL WITHOUT A GUARD THAT COMPLIES WITH OSHA REGULATIONS. **DO NOT** USE UNLESS ELECTRICAL WIRING COMPLIES WITH ALL APPLICABLE CODES. **DO NOT** WIRE WITHOUT PROVIDING FOR A POWER SOURCE DISCONNECT AT THE FAN ITSELF. **DO NOT** SERVICE EXCEPT BY A QUALIFIED MAINTENANCE TECHNICIAN AND ONLY AFTER DISCONNECTING THE POWER SOURCE. FAILURE TO OBSERVE THESE PRECAUTIONS CAN RESULT IN SERIOUS INJURY OR DEATH.

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