Attaching an Automatic Opener

WARNING

To avoid risk of strangulation or personal injury to children, if your door has a pull down rope, you must remove the pull down rope when you install an automatic garage door opener.

IMPORTANT: When installing an automatic garage door opener, make sure to follow the manufacturer's installation and safety instructions carefully. **Do not install the pull down rope when attaching an automatic opener. The lock should be removed or disengaged to prevent damage to the door.** If attaching an operator bracket to the wood anchor pad, make sure the wood anchor pad is free of cracks and splits and is firmly attached to the wall. Always drill pilot holes before attaching lag screws.

To avoid damage to your door, you must reinforce the top section of the door in order to provide a mounting point for the opener to be attached. **Failure to reinforce the door, as illustrated, will void your Clopay warranty.**

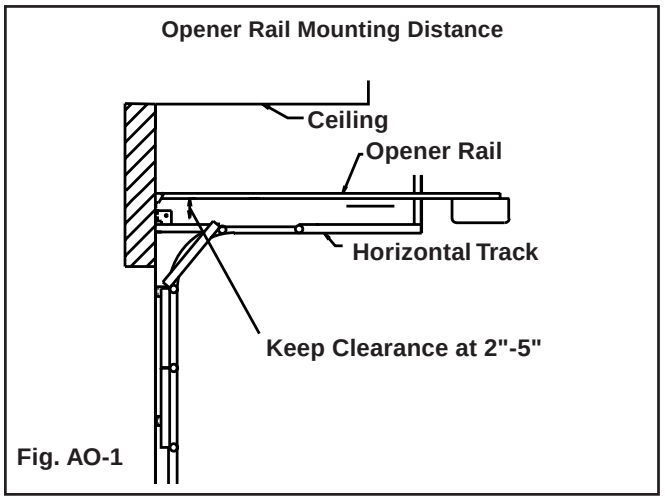

Fig. AO-1

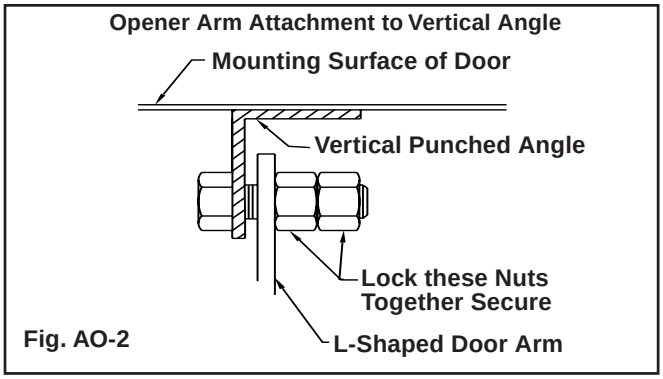

Fig. AO-2

You will need a 1¼" x 1¼" minimum punched angle at least 13 gauge or 3/32" thick from your local hardware or building supply store. This punched angle ties in to reinforcing plates built in the door. These will be located directly under the pre-punched holes. The angles may need to be trimmed to fit the reinforcement holes and/or section height. Proper attachment requires #14 x ⅝" sheet metal screws and at least two reinforcing plates being used. (FIG. AO-3 - AO-6)

The operator arm will usually be attached to the vertical angle at roughly the same height as the top roller of the door. Attach the opener arm directly to the punched angle. To prevent the top of the door from bending, the opener rail should be mounted no less than 2" or greater than 5" from the high arc of the door travel. (FIG. AO-1)

For attachment of the opener arm to vertical angle iron, use one 3/8" x 3/4" bolt and two 3/8" nuts tightening one nut against the other to prevent the nuts from loosening on the bolt. Do not tighten the nuts against the opener arm (opener arm must be allowed to rotate freely.) (FIG. AO-2)

IMPORTANT: Use only the pre-punched holes in reinforcing the top section, as improper fastener location may result in damage to the door or operator.

NOTE: An opener bracket kit specifically designed for opener attachment may be included or can be purchased as an option (silver galvanized or white powder coated). Instructions are provided with kit.

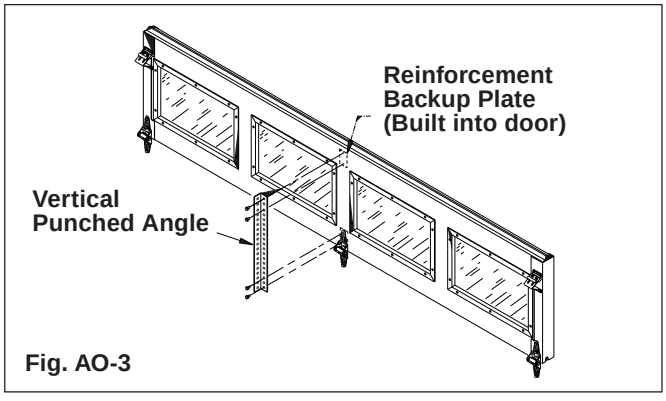

Fig. AO-3

8'0" Up To 9'10" Wide Doors-Solid (Or With Windows)

Punched Angle – One 18" or 21" long piece (measure top section height). A horizontal angle is not required.

NOTE: All reinforcing angles are to be attached with #14 x ⅝" sheet metal screws at the reinforcement back-up plate locations. (FIG. AO-3 – AO-6)

Torsion Spring Doors
A) Install operator draw bar to one of the vertical punched angles. It will be necessary to mount the operator off center of door, to align with the vertical angle; or B) Install operator draw bar to the horizontal punched angle. (See FIG. AO-5)

Extension Springs
Install operator draw bar to the horizontal punched angle. (See FIG. AO-5)

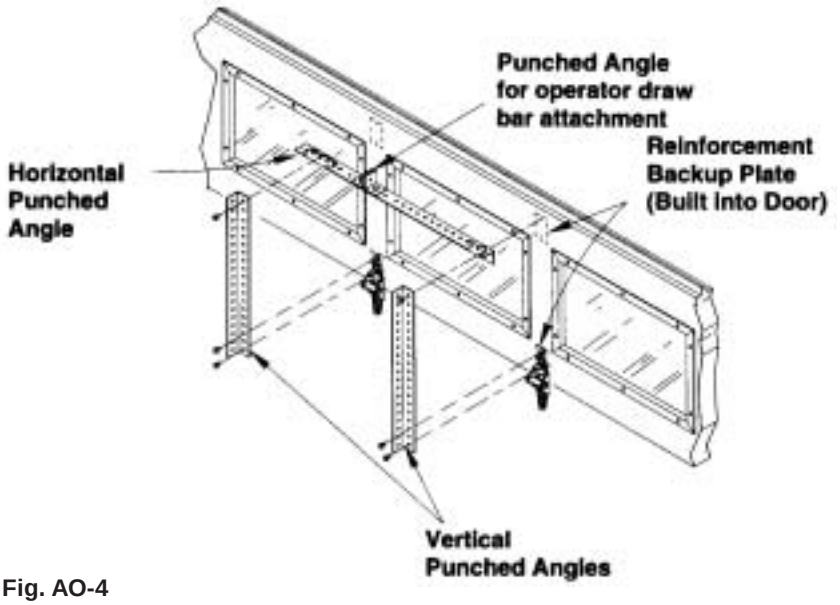

Fig. AO-4

10'0" Up To 15' Wide Door
Solid (Without Windows) or with Windows

Punched Angle – One 27" long piece (12' Wide Doors require one 50" long piece) and two 18" or 21" long pieces (measure top section height).

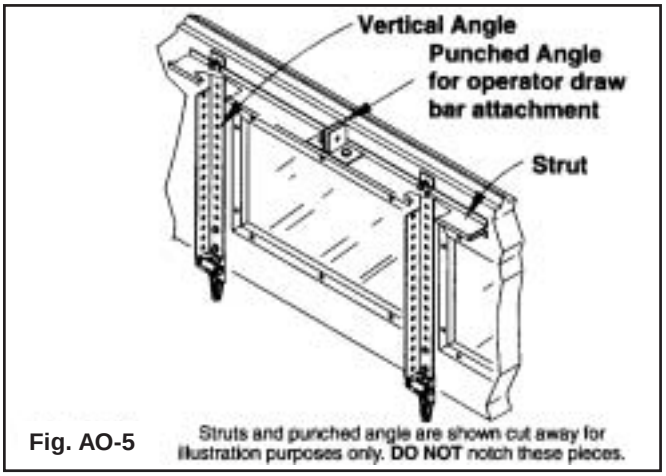

Fig. AO-5 Struts and punched angle are shown cut away for illustration purposes only. **DO NOT** notch these pieces.

15'2" Up To 15'10" & 19' to 19'10"
Wide Doors with Struts*
1 3/8" Thick Doors† - Solid or with Windows

Punched Angle – Two 18" or 21" long pieces (measure top section height). *Strut supplied.

NOTE: Doors with struts will require the top portion of angle notched out as shown to allow other leg of angle to be mounted under steel strut. (FIG. AO-5)

Torsion Spring Doors - Install operator draw bar to one of the vertical punched angles. It will be necessary to mount the operator off center of door, to align with the vertical angle. (See FIG. AO-5)

Extension Springs - Install operator draw bar to the strut with the bracket provided with the operator or cut two pieces of punched angle and mount to strut as shown with ¼-20 hex bolts and nuts. (FIG AO-5)

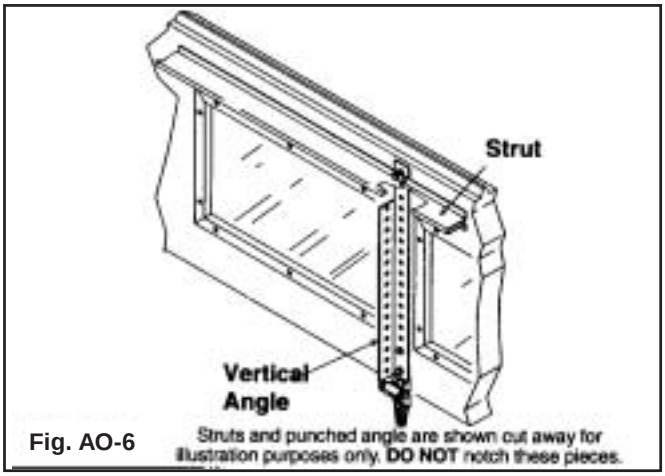

Fig. AO-6 Struts and punched angle are shown cut away for illustration purposes only. **DO NOT** notch these pieces.

16' Up To 18'10" & 20' Wide Doors with Struts*
1 3/8" Thick Doors† - Solid or with Windows

Punched Angle – One 18" or 21" long piece (measure top section height). *Strut supplied.

NOTE: Doors with struts will require the top portion of angle notched out as shown to allow other leg of angle to be mounted under steel strut. (FIG. AO-6)

†2" Thick Doors
If your 2" thick door requires struts, follow the instructions for the same size 1 3/8" thick door. For 2" thick doors with no struts, proceed with attachment of vertical angle as illustrated. (FIG. AO-5 & AO-6) Refer Installing struts PDF for the type and number of struts needed for your door.