

Installation Instructions

Olympus - Model 1700



165 Carriage Ct.
Winston-Salem, NC 27105
www.amarr.com



DANGER

High Spring Tension can cause severe injury or death. Do not attempt to remove, repair or adjust torsion or extension spring assemblies, red-coated fasteners, or the hardware to which the red-coated fasteners are attached. Removal, adjustment or repair must be made by a professional door repair person.

ATTENTION

Failure to comply with these instructions invalidates the warranty.

Notice Architects and designers should consider when designing a building the forces a garage door system transmits to the building structure openings, such as the jambs, anchor pads, headers, and horizontal track. Since these forces vary, load information may be obtained by contacting Amarr's Engineering Department.

READ FIRST!

Before you begin the installations be sure to read and understand all of the instructions.

Installation and/or repair of garage doors should be performed by a qualified garage door installer.

We recommend that installation be performed by a team of two individuals. Garage doors are heavy, awkward, and may be difficult to handle. Installing a garage door without assistance could result in injuries.

Both one and two-car doors are installed in the same manner. Door widths up to 14' do not require struts unless ordered to reinforce door for electric operator.

Damage to a garage door due to an improperly installed or adjusted electric opener is not covered by Amarr's warranty.

Disconnect and/or remove all locks & pull ropes when you install an electric operator. Attempting to use the operator while the door is locked may damage your door.

Number of door sections and number of panels may vary from illustrations.

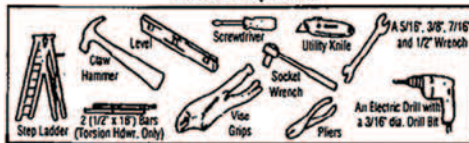
Be sure all warning labels and tags are affixed to door as shown on back of warranty, and that the Home Owner Information Bag is posted on the doorjamb and warranty information is filled out.

In the event that an electric operator is installed, the top section must be reinforced, as shown in these instructions, with either a strut or with 14-gauge angle iron spanning the length of the top section.

INSTALLATION INSTRUCTION SUMMARY

1. Nail door stop
2. Attach hardware
3. Stack sections in opening
4. Fasten hardware between sections
5. Install track
6. Install power unit
7. Check operator and balance

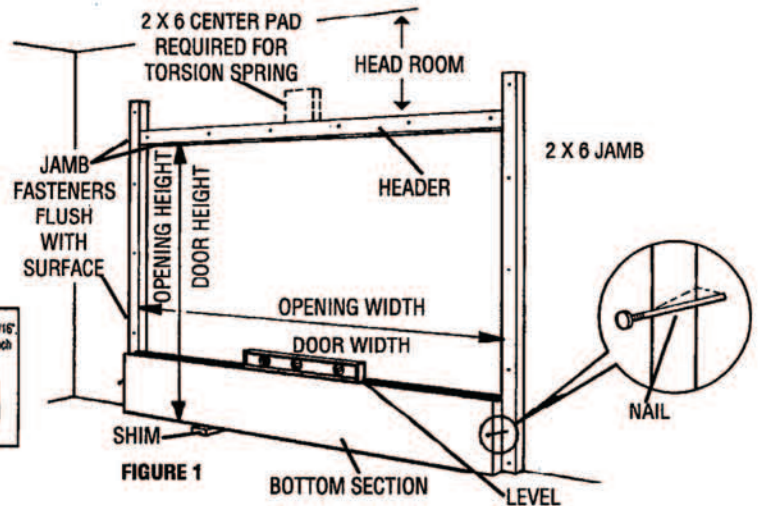
Tools required



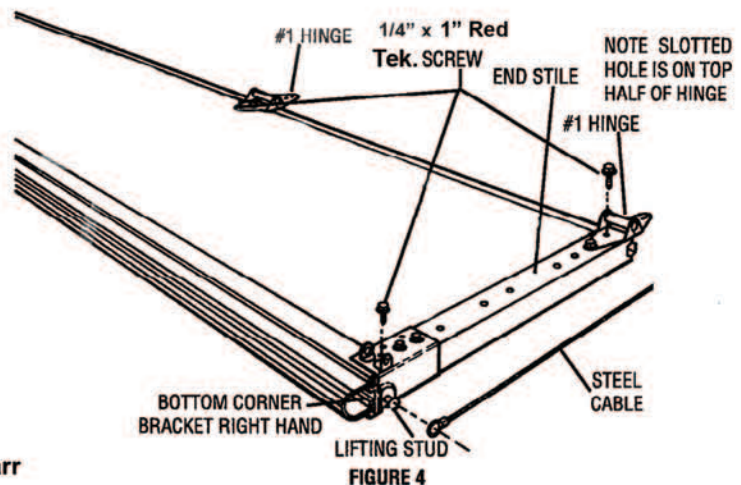
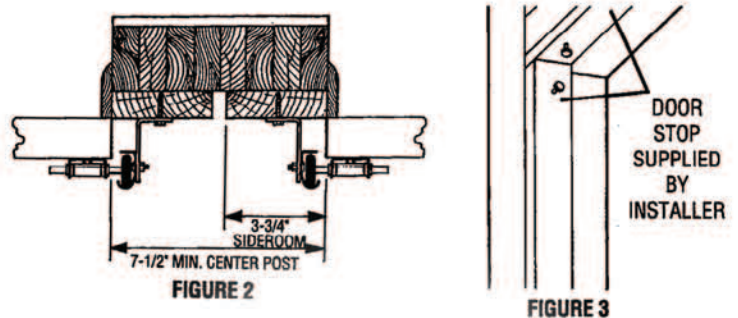
Type of Spring	Minimum Radius	Track Headroom Required
Extension	12"	12"
Extension	15"	15"
Torsion	12"	12"
Torsion	15"	15"

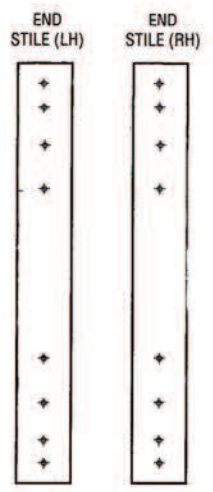
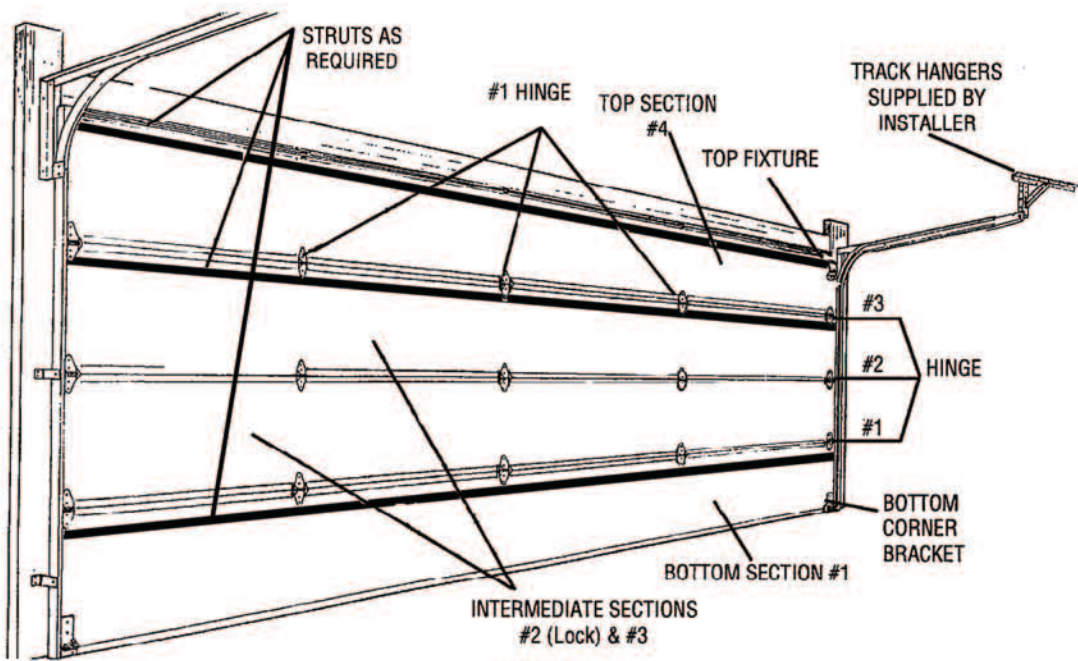
DOOR WIDTH	TOP SECTION	3RD SECTION	BOTTOM SECTION
15' & 16' FT.	✓	—	—
17' thru 20' FT.	✓	✓	✓
20' FT.	ALL SECTIONS		

DOOR HEIGHT	BOTTOM SECT. #1	LOCK #2	3RD	4TH	5TH
6'6"	21"	18"	18"	21"	
7'0"	21"	21"	21"	21"	
7'6"	18"	18"	18"	18"	18"
8'0"	21"	18"	18"	18"	21"



- Step 1 The inside of the garage door opening should be framed with 2" x 6" wood jambs. Jambs should be plumb and square and extend to the top of the minimum headroom required (See Table 1 & Fig. 1 & 2). All jamb fasteners should be flush with jambs and securely anchored to the wall.
- Step 2 Nail door stops (supplied by installer) temporarily to the edge of the jambs flush with surface (Fig 3).
- Step 3 Lay bottom section on saw horses face down. Install astragal in holder (if not already done). Fold excess astragal back into end of astragal flush with edge of door, if necessary. Attached bottom corner brackets (left and right hand) to bottom of end stiles flush with bottom of section using 3 (1/4" x 1") red tek. screws. (Fig. 4). Place looped end of steel cable over lifting stud on the bottom corner bracket. If two sets of steel cables are supplied, use the longer one for the lift cable. **NOTE:** Holes in stile may not line up with all fixtures, handles and locks. Use 3/32" drill bit to start holes for fasteners where pre-drilled holes are not available.
- Step 4 If your door is supplied with struts, they must be attached according to (Fig.5, 8 & 10). See Strut Schedule (Table 2) for location of strut. Install lift handle on bottom section and second section using (2) 1/4" -20 x 2 1/2" carriage bolts along with PVC spacers and nuts (Fig.9)
- Step 5 Hinges have numbers stamped on them and their placement on the door is important (Fig. 5). Hinge numbers are on the bottom half of the hinge and slotted hole is on the top half of hinge. All hinges are fastened with 2 (1/4" x 1") tek. screws (Fig. 6). Starting with the bottom section, attach the bottom half of the heavier #1 hinges to the top of the end stiles with (2) screws. Attach the #1 hinges on all center stile hinge locations in a similar manner (Fig. 5).
- Step 6 With hardware in place, place bottom section temporarily in opening against stops and center it. Level section using shims if necessary and drive nails into jambs and bend them over section on each end to hold in place (Fig. 1).
- Step 7 Place (locking) second section on sawhorses face down. Attach #2 end stile hinges to lock section. Install remaining hinges and struts (if required) to the section and to all intermediate sections making sure end hinges are in numerical order (Fig. 5). If your door is supplied with struts (See table 2 & Fig. 5, 8 & 10) for location and installation.
- Step 8 Place top section on saw horses face down. If strut is required, install along top rail (Fig.5 & 8). Place top fixture (with sliding portion on top) on end stile and fasten with (3) (1/4" x 1") tek. screws.





Sections have no numbered holes on end stiles

FIGURE 5

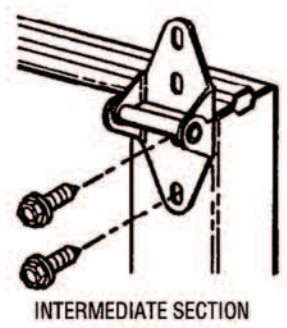


FIGURE 6

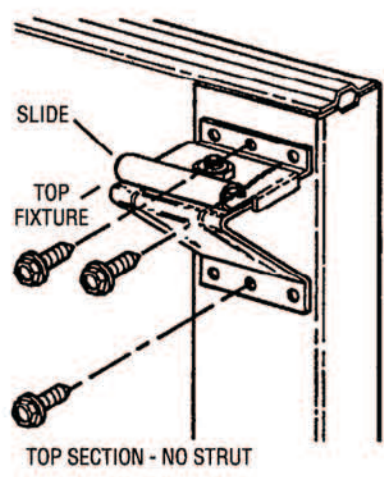


FIGURE 7

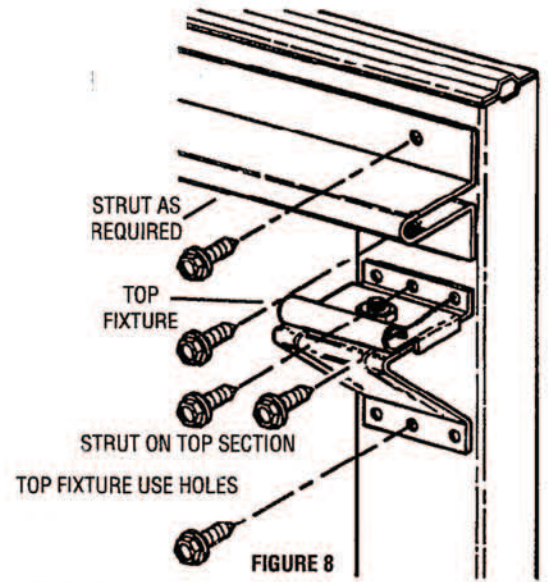


FIGURE 8

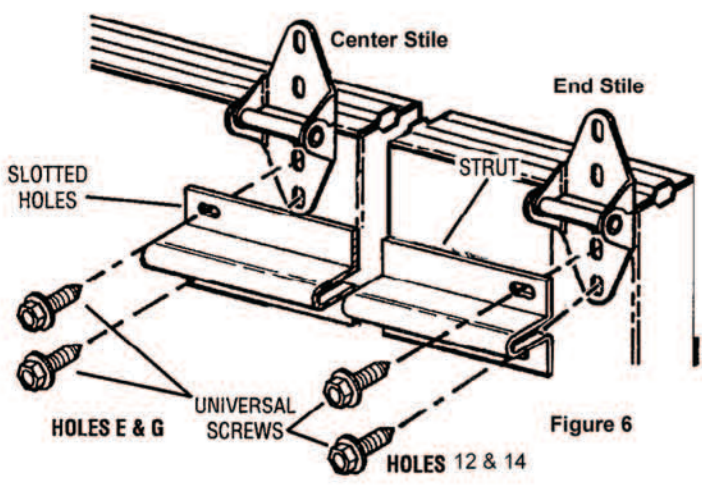


Figure 10

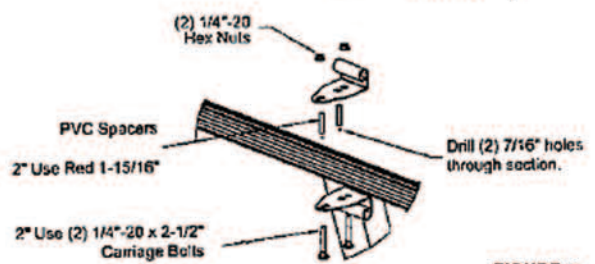
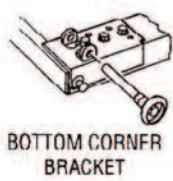
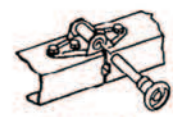


FIGURE 9



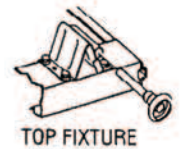
BOTTOM CORNER BRACKET



#1 HINGE



#2, 3, 4, ETC. HINGE



TOP FIXTURE

Figure 11

Step 9 Stack each section (one at a time) with all hinges, fixtures and brackets attached (and struts if required) in the opening and onto the previous section. Be sure to drive nail into jamb and bend over to each section to hold section in place. On each section, fold hinges up and fasten to bottom of next section with 2 (1/4" x 1") tek. screws.

Step 10 Place rollers in all end hinges, bottom corner brackets and top fixtures. Be sure rollers are inserted in the hinge tube which is farthest from door surface when more than one tube is provided (Fig. 11).

Step 11 **ASSEMBLING TRACK**
Install jamb bracket to straight vertical track using 1/4" x 5/8" track splice bolts and 1/4" nuts. 1/4" nuts always go on outside of track curve. Install brackets in numerical order. Place shorter bracket towards bottom end of track with short side of bracket and track facing towards the jamb. Hand tighten (Fig. 12).

Step 12 Attach flag bracket to top of track with 2 (1/4" x 5/8") track splice bolts and 1/4" nuts with flat side of flag and track facing towards the jamb. Hand tighten (Fig. 12).

Step 13 Hook the straight vertical track over rollers on door. Maintain 3/8" space between door edge and vertical track (Fig. 16). Tops of vertical track must be level with each other. To determine- measure from top of tracks to top of door on each side. If not level, raise lower track but not higher than lowest roller. Vertical tracks must be plumb. When properly aligned, securely fasten jamb brackets and flag bracket to jambs with 5/16" x 1-5/8" lag bolts (Fig. 13). Pre-drill 3/16" hole to prevent splitting.

Step 14 Install horizontal angle to horizontal track using 1/4" x 5/8" track splice bolts and nuts (if not already done). Place horizontal track assembly in position using a temporary rope or wire support from trusses to support back end. Slip curved end of horizontal track over top roller and attach it to flag bracket using 2 (1/4" x 5/8") track splice bolts (Fig. 13). Attach end of horizontal angle to top of flag bracket with 1 (3/8" x 3/4") LSC bolt and 3/8" nut (Fig. 13).

Step 15 Replace support rope or wire with metal angle hangers (supplied by installer- minimum 14ga.). Make sure track is square with opening. (Fig. 14). Make sure distance between tracks is the same at the bottom of the vertical, at the curve of horizontal and back of horizontal. Adjustment of track position may need to be made later, after the door is open to maintain proper spacing. CAUTION: Keep horizontal tracks close to the door so door will not fall out of track.

Step 16 Tighten the slide on the top fixture by pushing the top section tightly against the opening and lightly pulling the slide towards the inside of the garage. Tighten nut.

Step 17 If electric operator is not used, attach one end of pull rope to bottom fixture and the other end to the eye bolt to keep the door from coming out of the end of the track.

INSTALL POWER UNIT IN ACCORDANCE WITH POWER UNIT INSTRUCTIONS.

Step 18 Check spacing of door and track. Make sure there is 3/8" clearance between door and track along the entire vertical and horizontal track assemblies. Adjust as necessary.

Step 19 Close door from outside and permanently nail stop moulding for a snug fit so that the stop does not bind the door. Wax inside edge of stop moulding to prevent binding.

Step 20 **FINAL ADJUSTMENT**

1. Readjust spring tension if necessary- refer to spring power unit instructions.
2. Make sure door is square with opening.
3. If the door doesn't work easily, re-check installation to make sure spacing of track is correct and that door is not binding.

DAMAGE TO THE GARAGE DOOR DUE TO AN IMPROPERLY INSTALLED OR ADJUSTED OPERATOR IS NOT COVERED BY AMARR'S WARRANTY.

Leave these instructions by the door for future reference. Be sure all warning labels and tags are properly affixed to door as shown on back of warranty and that the Home Owner Information Bag is posted on the doorjamb and warranty information is filled out.

PAINTING FOR STEEL DOORS

The factory-applied finish on your metal garage door is a baked-on coating, designed to give trouble-free performance for years with little service required. To paint, follow these instructions.

1. Close door, wipe down and clean entire door with mild detergent to remove dirt and rinse clean with water.
2. When is dry, paint with two coats or high grade exterior latex based paint. DO NOT USE OIL BASED PAINT.
3. Follow paint manufacturer's instructions and avoid painting at temperatures below 50°F. The above instructions are only a generalized summation of proper painting practices and in no way cover all aspects of repainting steel garage doors. If you have any questions, please call your local Amarr Door Center.

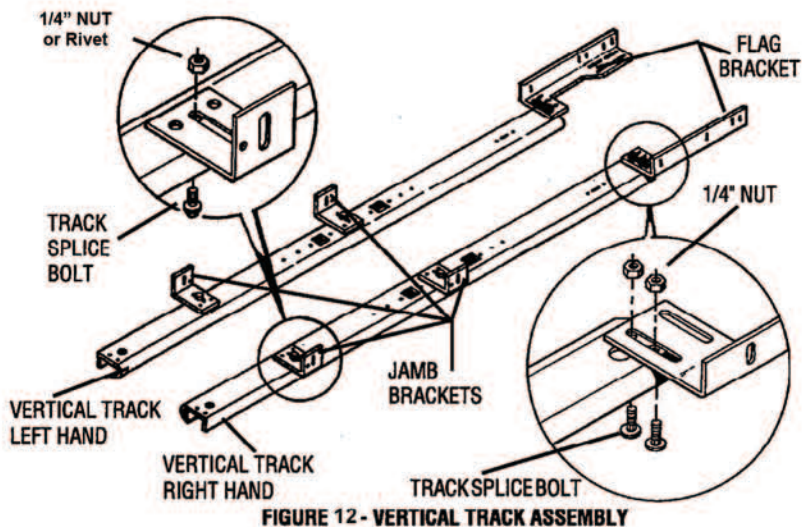


FIGURE 12 - VERTICAL TRACK ASSEMBLY

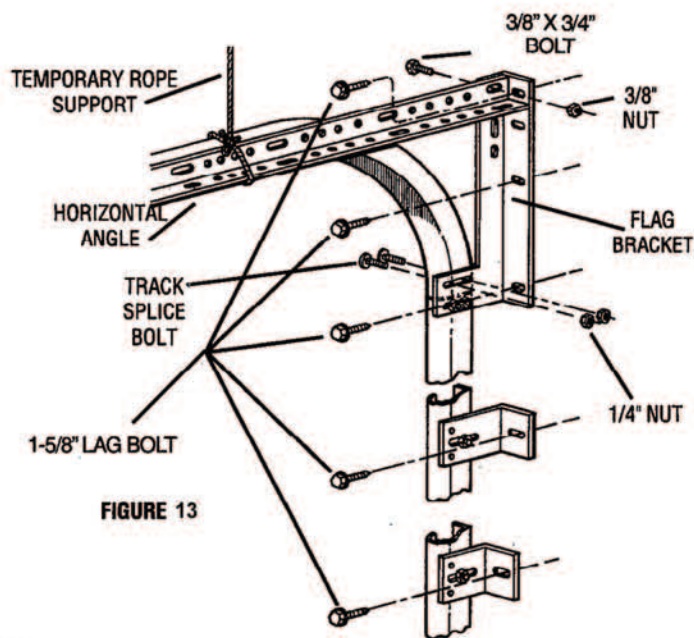


FIGURE 13

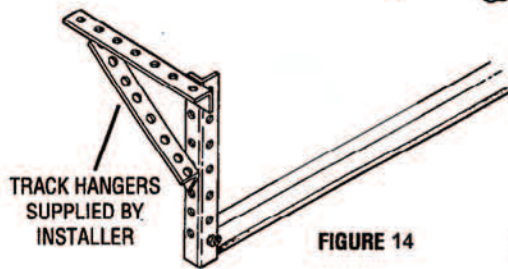


FIGURE 14

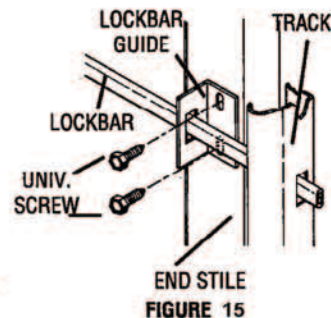


FIGURE 15

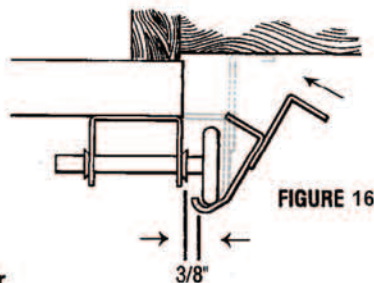


FIGURE 16