

HIGH LIFT TRACKS

Supplemental insert

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This supplemental installation instruction is to be used as a supplement to the main Installation Instruction and Owner's Manual provided with the door. The instructions included in this document are ONLY those which deviate from the standard installation. All WARNINGS and CAUTIONS listed in the main manual are applicable to this supplemental instruction as well.

INSTALLATION

1

Refer to the General and Product Specific manuals for installing vertical track, sections, and section hardware in conjunction with this insert.

High Lift hardware is designed to raise the horizontal track higher off the floor than Standard Lift. The amount of High Lift is measured from the door header to the bottom of the horizontal track (Refer to the above note for maximum amount of Hi-Lift).

To obtain the maximum amount of Hi-Lift follow these general rules for headroom requirements:

400-54 Drums = Headroom Minus 10"

5250-54, 500-84, & 5750-120 Drums = Headroom Minus 12"

800-120 & 6375-164 Drums = Headroom Minus 14"

2

Installing Upper Track

For One Piece Wall Angle: For the one piece wall angle, the lower vertical track is factory installed to the wall angle.

For Two Piece Wall Angles: Loosely fasten the upper vertical track to the track splice plate using (2) 1/4" - 20 x 9/16" track bolts and whiz nuts.

For One or Two Piece Wall Angles: Attach the upper vertical track to the jamb using 5/16" x 1" self drilling screws for steel jambs and 5/16" x 1-5/8" lag screws for wood jambs at each hole location. After upper vertical track is properly attached to the door jamb, tighten all 1/4" - 20 x 9/16" track bolts and whiz nuts.

3

Installing Horizontal Track

Attach the horizontal angle to the break away angle using (1) 3/8" truss head bolt and nut. Fasten the horizontal track to the track splice clip using (4) 1/4" - 20 x 9/16" track bolts and whiz nuts.

NOTE: Reinforcing plates are provided with all 800-120 and 6375-164 drums.

NOTE: In dual shaft applications, the reinforcing plates are intended for the main shaft of the door.

IMPORTANT: FOR SIDE MOUNTED JACKSHAFT OPERATED DOORS, THE DRIVE SPROCKET SHOULD INSTALL ON THE MAIN SHAFT OF THE DOOR.

Attach reinforcing plate to horizontal angle with (2) 3/8" - 16 x 1" bolts and nuts; secure to angle with (2) 5/16 x 1" self drilling screws (See Figure 3). Refer to the main installation manual for installing back hangers to the end of horizontal track.

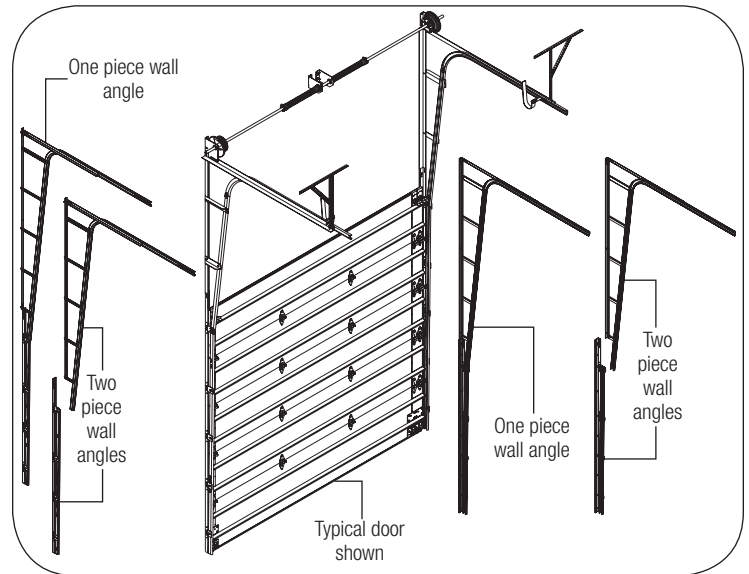


FIG. 1.1

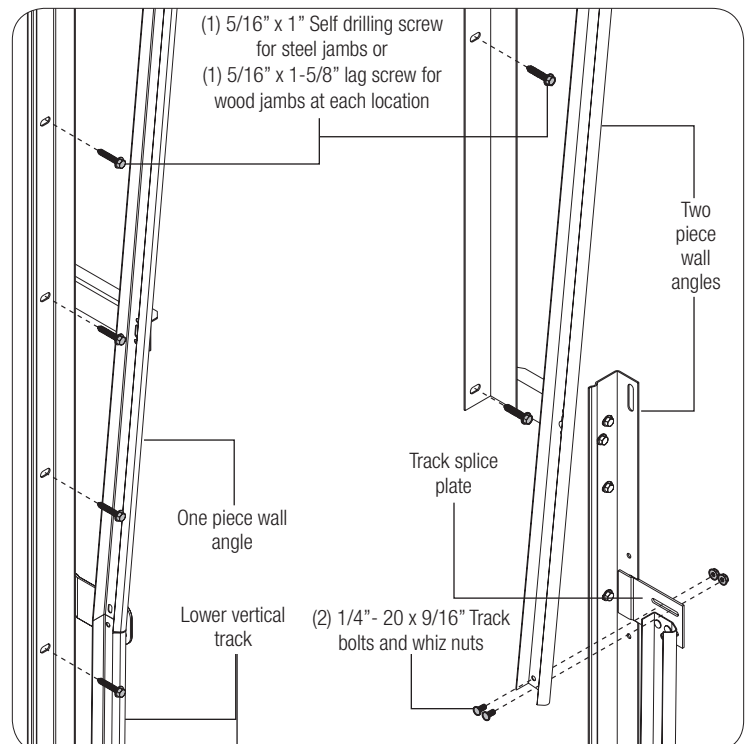


FIG. 2.1

4

Installing Torsion Springs

Ensure proper cable drums were provided with the door, high lift cable drums are flat at one end and tapered at the other.

Lift spring assembly into place and bolt end bearing brackets as shown using (2) 3/8" truss head bolts and nuts. Attach end bearing brackets to the door jamb using (3) 5/16" x 1-5/8" lag screws for wood jambs and (3) 5/16" x 1" Self drilling screws for steel jambs (See Figure 5). Attach the counterbalance cable to the cable drum (See Figure 4).

WARNING

IT IS STRONGLY RECOMMENDED THAT SAFETY COMPONENT OPTIONS, SUCH AS CABLE FAILURE DEVICES BE USED WITH EVERY HIGH LIFT TRACK INSTALLATION. IF DOOR IS, OR LATER BECOMES MOTOR OPERATED, SENSING EDGES AND ELECTRICAL INTERLOCKS WITH DOCK LEVELERS AND OPERATIONAL DOOR LOCKS SHOULD BE INSTALLED. WITHOUT SUCH SAFETY EQUIPMENT, A DOOR THAT BECOMES INOPERATIVE IN THE OPEN POSITION COULD FREE-FALL, CAUSING SEVERE INJURY OR DEATH.

Offset end bearing bracket provided for 800-120 and 6375-164 for Breakaway High Lift Track less than or equal to 72". Adjust end bearing feature so that cable is behind track, and not in contact with door (See Figure 6).

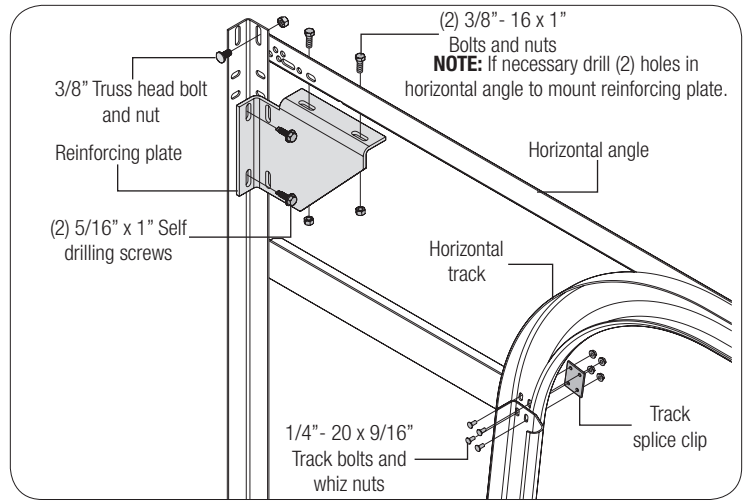


FIG. 3.1

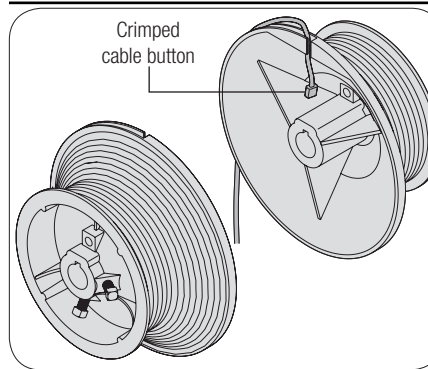


FIG. 4.1

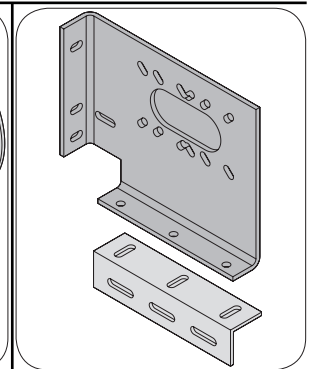


FIG. 6.1

5

Attach Bumper Springs

Refer to the main installation manual for installing the back hanger supports prior installing the bumper springs. Attach the bumper spring to the "L" shaped bumper spring bracket using (2) 3/8 x 1" bolts. Raise the door to 2" - 4" past the full open position. Align bumper spring with the return flange of the top bracket. Attach the bumper spring assembly to the horizontal track using (2) 3/8" truss head bolts (See Figure 7) **DO NOT WELD**.

IMPORTANT: BACK HANGERS MUST BE INSTALLED BEFORE ATTEMPTING TO RAISE THE DOOR.

WARNING

BACK HANGERS MUST BE INSTALLED BEFORE ATTEMPTING TO RAISE THE DOOR. FAILURE TO DO SO CAN RESULT IN DOOR FALLING AND CAUSING SEVERE INJURY OR DEATH.

WARNING

ATTACHING BUMPER SPRINGS BY WELDING CAN CAUSE SPRINGS TO BREAK WHEN IMPACTED BY DOOR, RESULTING IN SERIOUS INJURY OR DEATH FROM FALLING PIECES.

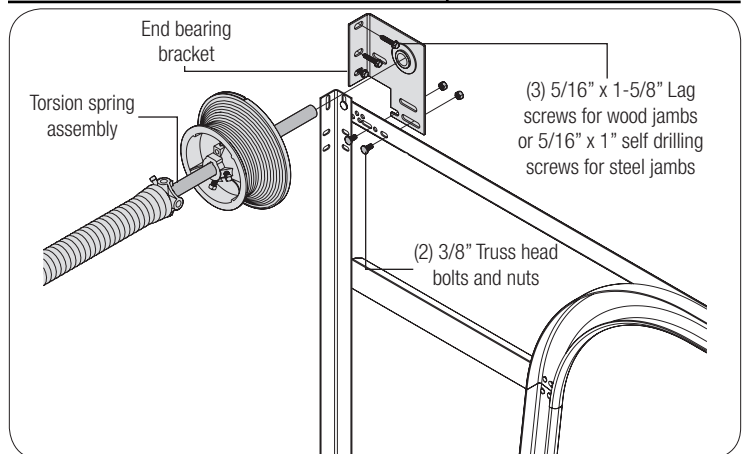


FIG. 5.1

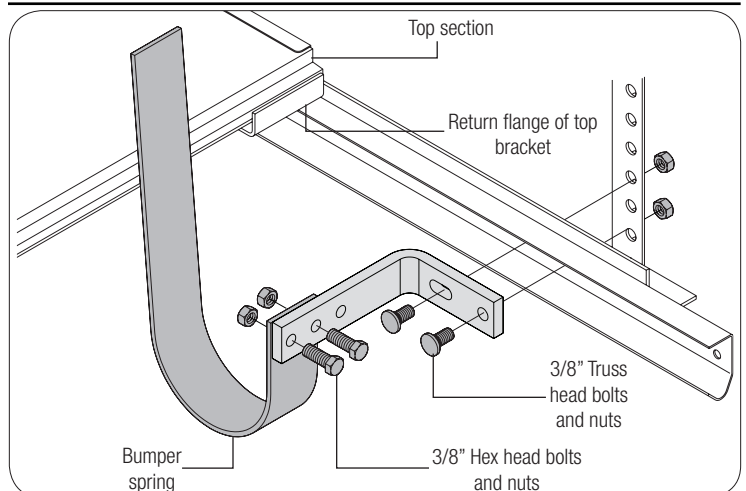


FIG. 7.1