

Dual Torsion Shaft, Dual Counterbalance Lift Cable Center Loop

Supplemental insert

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Part No. 293321

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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

The Dual Counterbalance Lift Cable Center Loop is a special counterbalance lift cable assembly that is made from one continuous length of cable, with a cable loop in the middle. Each end has a crimped aluminum cable stop, with a difference of 15" to 18" in length (depending on track lift).

This design is used when the bottom corner bracket limitations are not exceeded but the torsion shaft space limitations are exceeded. The applicable track systems are high lift over 35" and vertical lift.

Two pair of cable drums, one pair of standard bottom brackets, and one pair of the center loop lift cable assemblies are used. The shorter counterbalance lift cable is attached to the lower shaft, and the longer counterbalance lift cable is attached to the upper shaft. Shims are required for the lower shaft assembly, as shown in FIG. 1.2 and FIG. 1.3.

NOTE: Refer to the main installation instructions for details on installing torsion springs.

The second spring assembly on a High-Lift door with over 71" of high lift and all Vertical Lift doors must be mounted below the standard spring assembly. Distance from center line of upper spring to center line of lower spring must always be 18", as shown in FIG. 1.3.

The second spring assembly for Hi-Lift doors with 36" - 71" Hi-Lift must be mounted above the standard spring assembly. Distance between center of shafts must be 15", as shown in FIG. 1.2.

Dual Counterbalance Lift Cable Assemblies Center Loop applications are sprung with half the door weight applied to each torsion shaft.

NOTE: The lower shaft requires a 1/4" thick shim for each End Bearing Bracket to provide counterbalance lift cable clearance for the upper spring assembly.

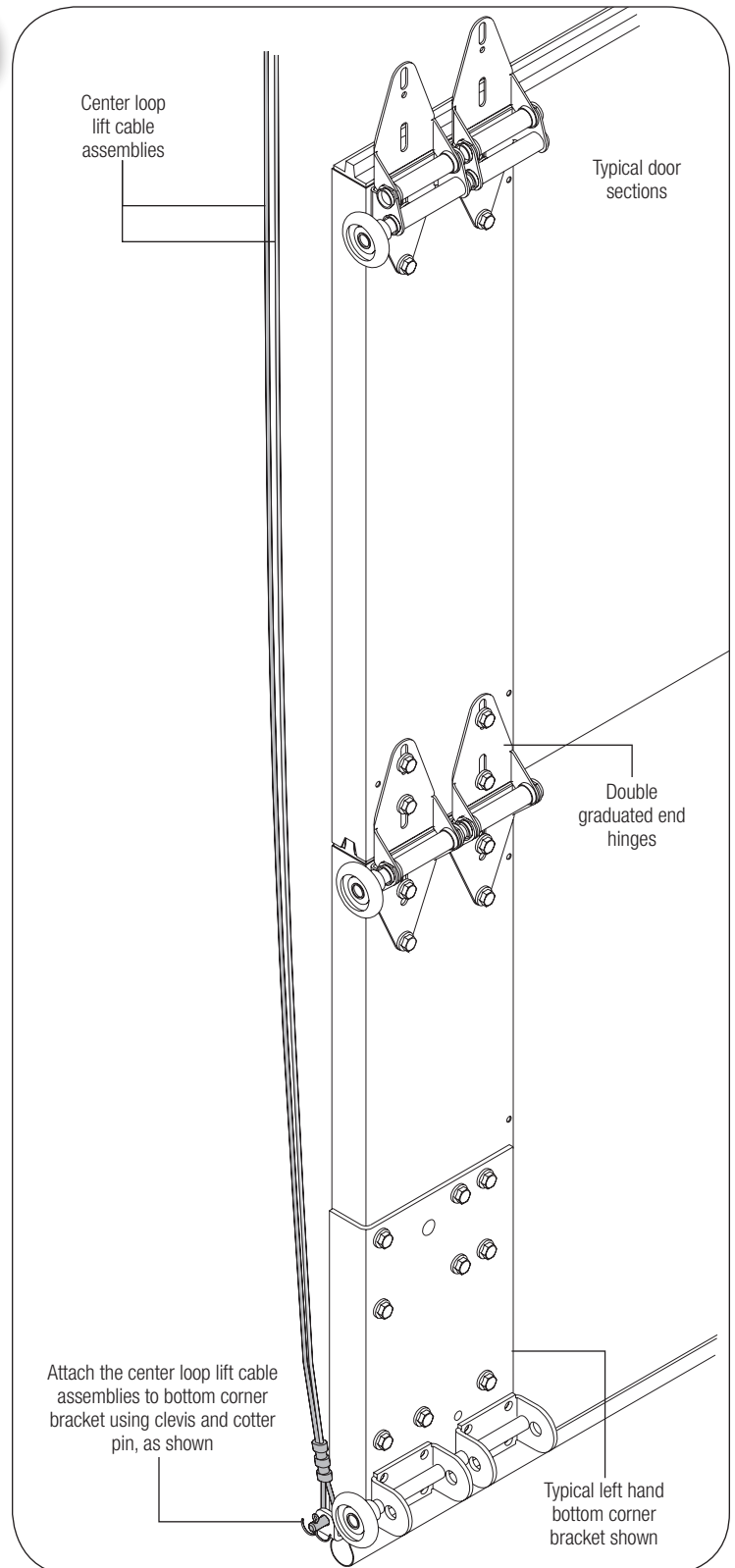
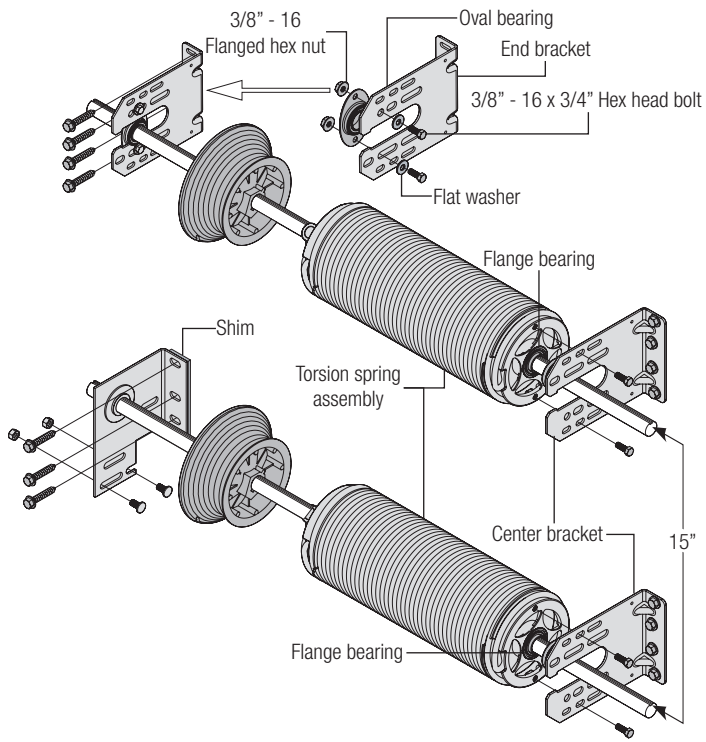
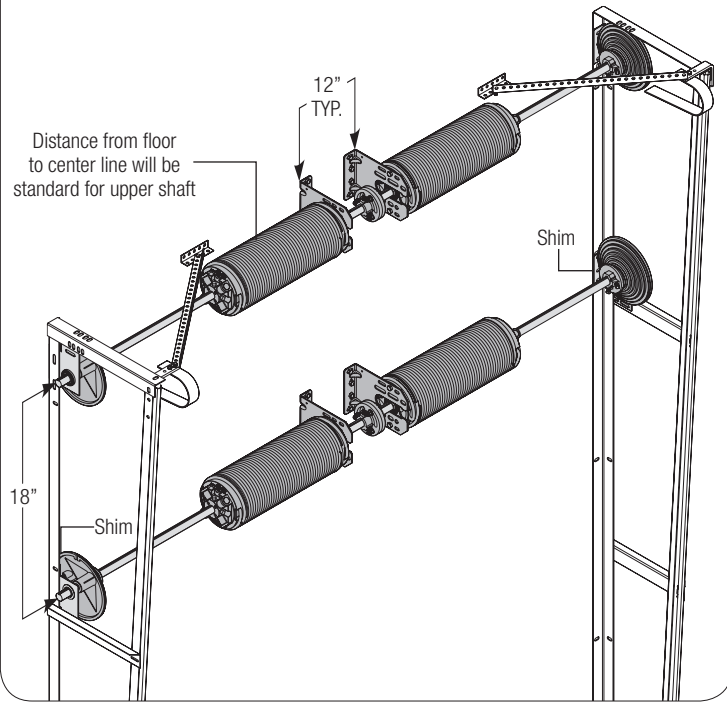


FIG. 1.1

HIGH LIFT DOORS WITH 36" TO 71" OF HIGH LIFT



AUXILIARY SHAFTS FOR VERTICAL LIFT DOORS



AUXILIARY SHAFTS FOR HIGH-LIFT DOORS WITH 36" TO 71" OF HIGH LIFT

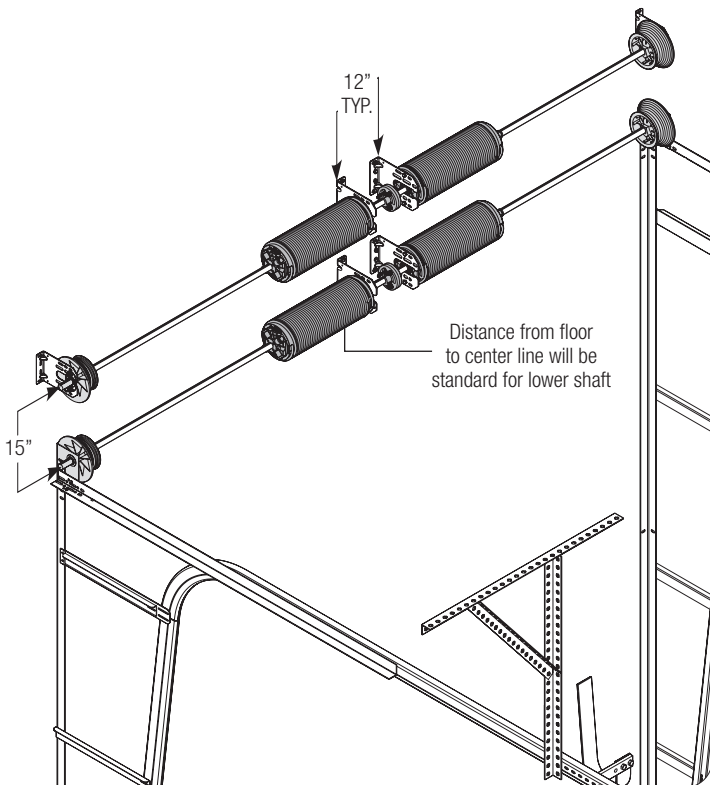


FIG. 1.2

AUXILIARY SHAFTS FOR HIGH-LIFT DOORS WITH OVER 71" OF HIGH LIFT

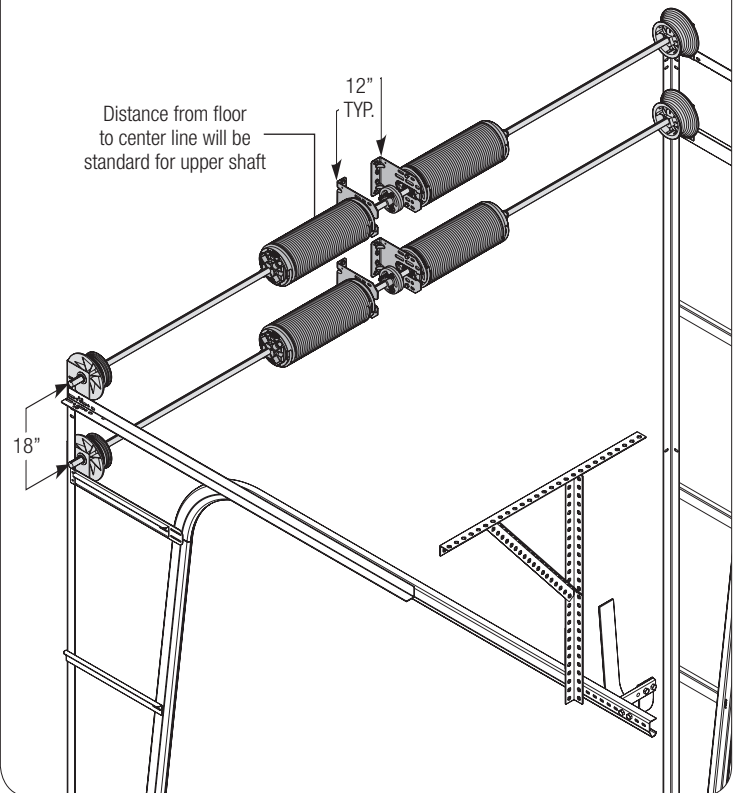


FIG. 1.3