

# Dual Torsion Shaft, Chain and Sprocket

## Supplemental insert

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Part No. 293322

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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

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This insert covers auxiliary shaft applications when a cable failure device is required or applications with limited shaft space.

Auxiliary shaft configuration depends on the type of track being specified:

**For standard lift and high lift under 72"** will have the normal shaft assembly and an upper shaft assembly, as shown in FIG 1.1.

**For High lift over 71" and all vertical lift applications** it will have the standard shaft assembly and a lower shaft assembly, as shown in FIG 1.2.

**NOTE:** Both configurations use one pair of drums, one pair of bottom brackets, and one set of cables. The cables are different in length to match the floor to centerline of each shaft. One drum goes on the upper shaft and the other drum goes on the lower shaft at opposite ends.

### For Installing the Chain and Sprocket:

**NOTE:** Refer to FIG 1.1, FIG 1.2, and FIG 1.3.

Attach the cables to the bottom bracket, per the installation instruction manual.

**NOTE:** Spring mounting brackets may change based on the size of the springs required.

**NOTE:** Set collars within the illustrations are positioned away from the brackets for clarity. Ensure the set collars are properly positioned and secured up against the brackets, prior to winding springs.

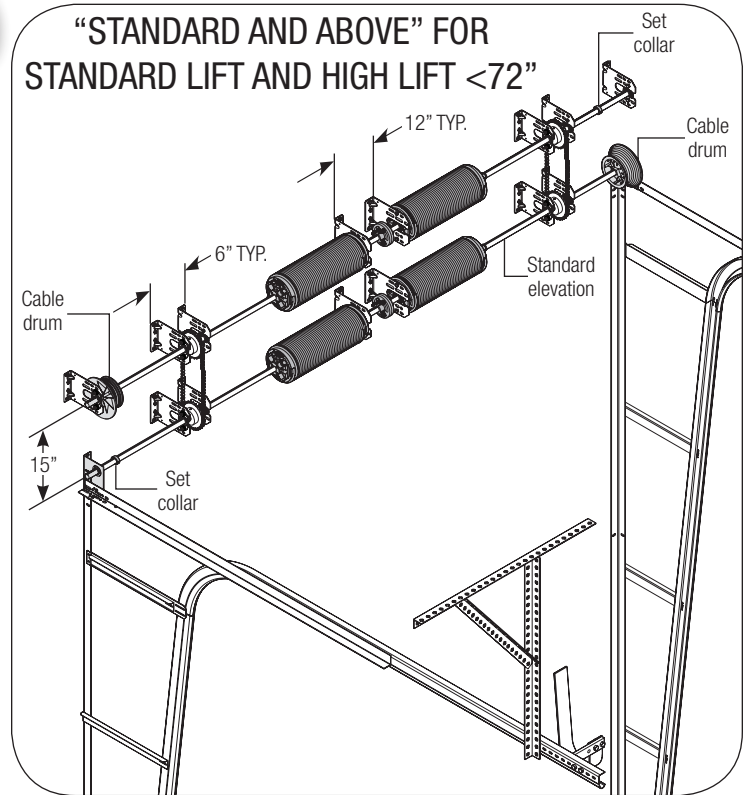


FIG. 1.1

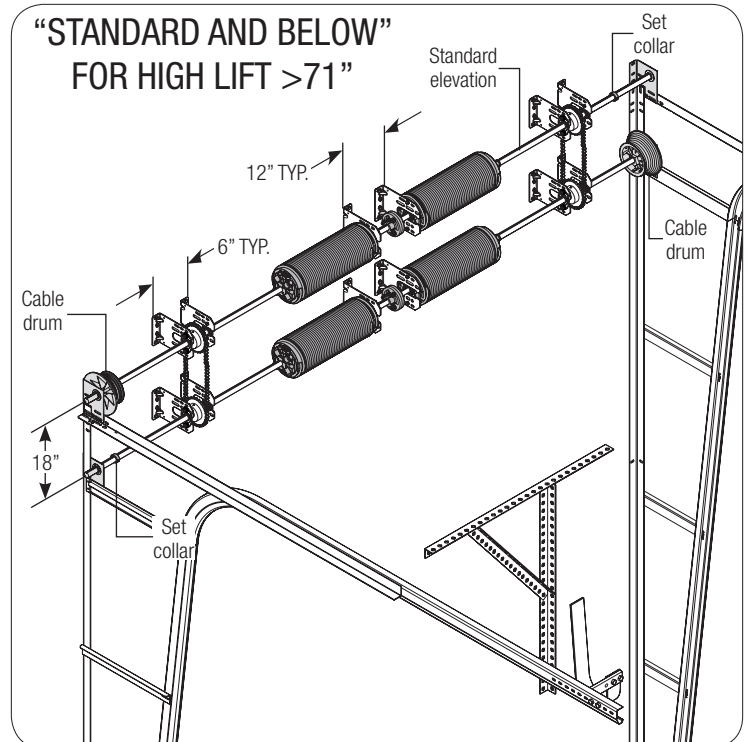


FIG. 1.2

## Installing Lateral Brace

Assemble the torsion shaft assembly with the sprockets DSB's, drums, and shaft collar per **FIG 1.1**, **FIG 1.2**, **FIG 1.3**. Place one shaft collar on each shaft assembly at the opposite end of the drum, against the bearing race at the end of the bracket (which prevents the shaft assembly from shifting).

**IMPORTANT:** USE A 2" FLAT SHAFT KEY PER SPROCKET (PROVIDED).

Standard lift and high lift <72" (Standard and Above) have a shaft centerline difference of 15". High lift over 71" and all vertical lift (Standard and Below) have 18" between the shaft center lines.

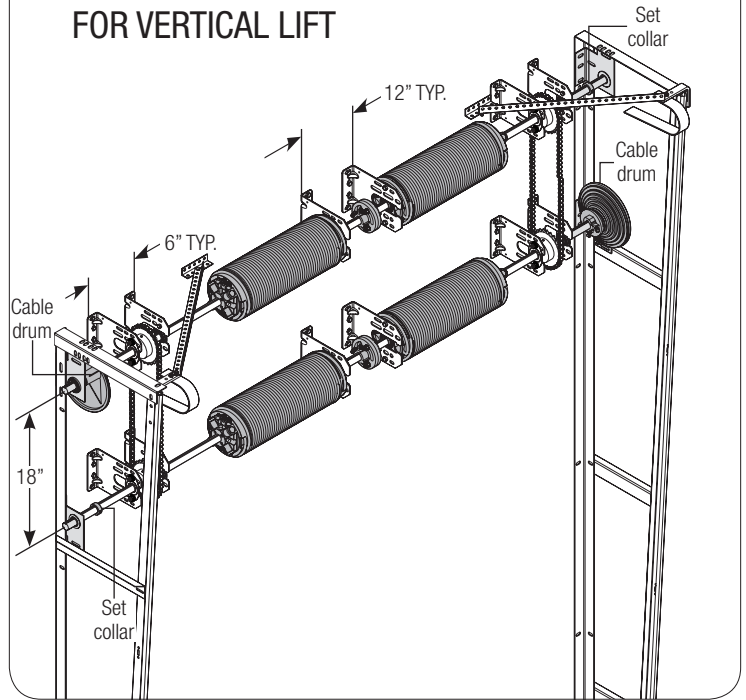
Attach the roller chain to the sprockets using the provided master links. If needed, shorten the roller chain.

Finally, install the cables on the drum and wind the torsion springs, referring to the main installation instructions.

**NOTE:** Shims to space one shaft assembly further from the wall are not required.

All applications are sprung with half the door weight applied to each torsion shaft.

## "STANDARD AND BELOW" FOR VERTICAL LIFT



**FIG. 1.3**