



**Supplemental instructions for Low Headroom, Drums outside of track  
with Front mount torsion springs.**

**Minimum Headroom Requires 7" for Residential and 10" Commercial**

*These instructions are designed to work in conjunction with the regular instructions.  
Please read them before beginning the installation.*

At **Step 2:** of the Residential and Commercial installation instructions;

Attach the wrap around bottom corner bracket instead of the standard bottom corner bracket. This bracket allows the lift cables to ride on the outside of the track and keeps the cables from hanging up on the door during operation.

At **Step 14:** of the Residential installation instructions and step 16 of Commercial;

Attach the horizontal starter to the flag through the top track using 5/16" x 3/4" carriage bolt and flange nut with nut facing out away from the door, also attach the starter using the upper slot to the flag using a 5/16" x 3/4" carriage bolt and flange nut with nut facing in towards the door. At Step of the Commercial Instructions;

Attach the horizontal starter to the flag using a 5/16" x 3/4" carriage bolt and flange nut with nut facing out away from the door in the top horizontal slot in the starter.

(See pictures below.)

\* Lag the Starter into place using one Lag through the slot of the LHR EBF/Starter bearing plate to the wall. (You may have to adjust the bolts connecting the starter to the track for the flange to sit flush against the wall.)

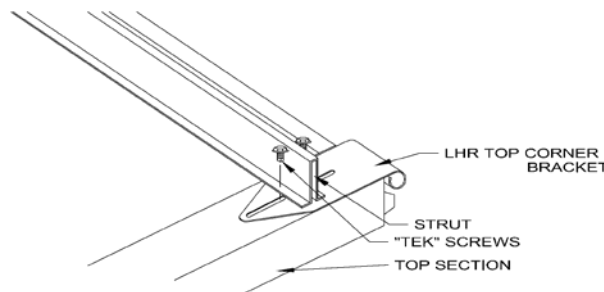


**Commercial**

**Residential**

At **Step 17:** of the Residential installation instructions and step 8 in Commercial;

Install the top corner brackets which have also been changed in order to obtain the minimum headroom requirement. If the door requires a strut, 12' wide or wider, on the top section, or you are using a strut for operator reinforcement, it must be installed over the top of the corner bracket, using the slots in the top corner bracket. (See picture below).





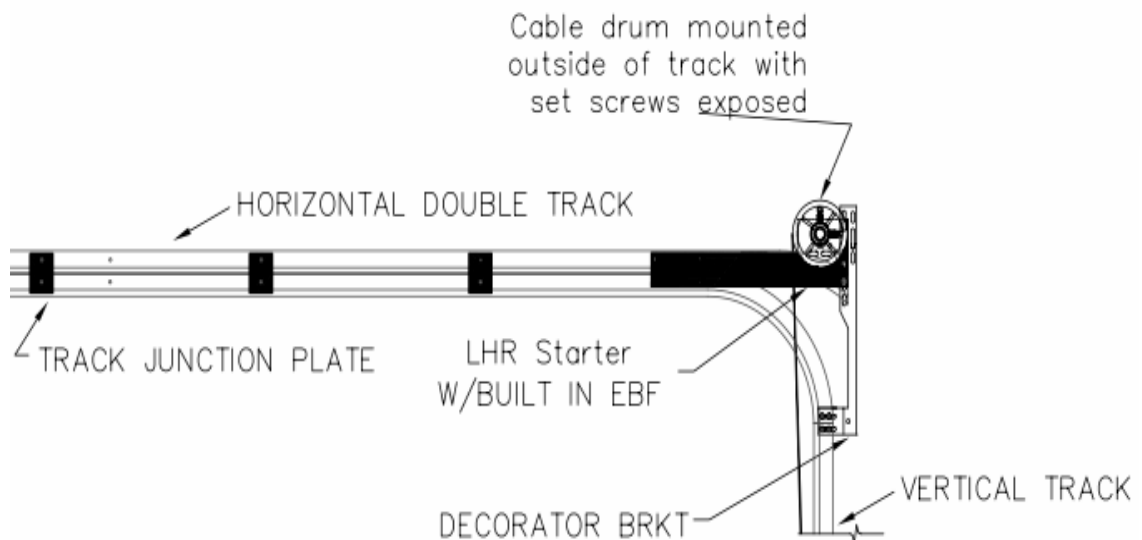
**At Step 20:** of the Residential installation instructions and Step 21 of Commercial; **SKIP THIS STEP**

**At Step 22:** of the Residential and Commercial installation instructions;

Slide the 1" shaft bearing on the shaft. Slide the torsion spring(s) on the shaft. The spring with the **RED** winding cone should go on the **RIGHT** side and the spring with the **BLACK** winding cone should go on the **Left** side.

**At Step 23:** of the Residential and **step 24** of Commercial installation instructions; **SKIP THIS STEP**

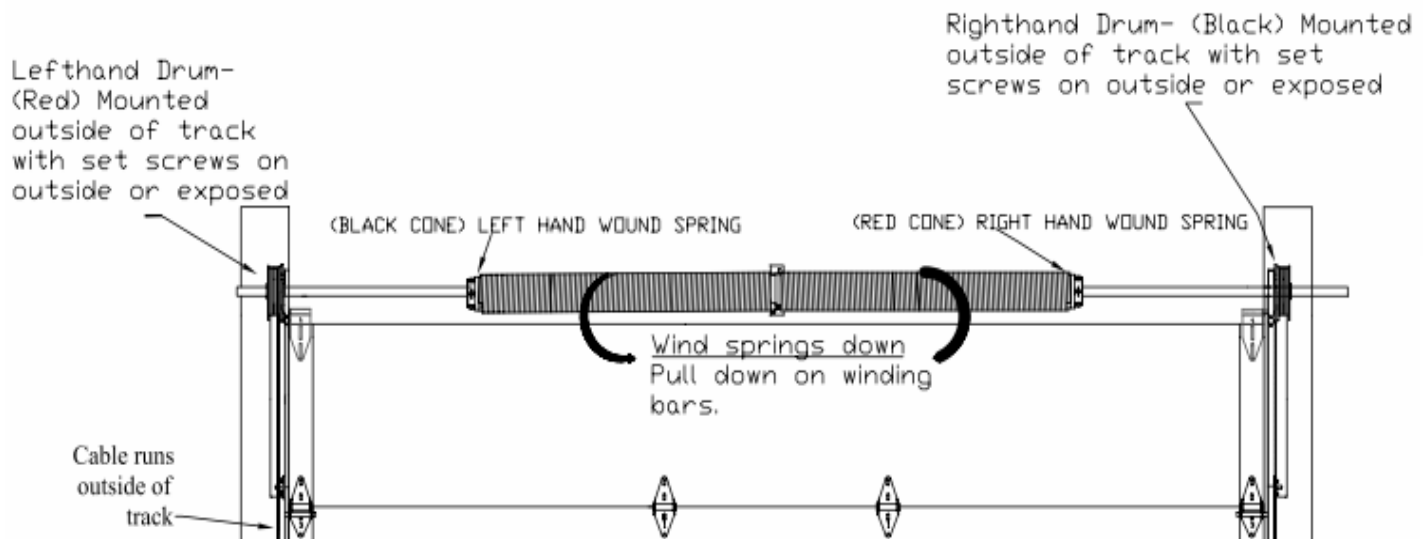
**At Step 27:** of the Residential installation and step 26 of Commercial instructions; after the shaft is installed in the bearings of the starter, leveled, and center bearing plate is installed, Place cable drums on ends of shaft (outside of the bearing plates). The **RIGHT HAND** cable drum (**BLACK**) will remain on the **RIGHT SIDE** of the door, the **LEFT HAND** cable drum (**RED**) will remain on the **LEFT SIDE** of the door. **THE DRUMS WILL BE MOUNTED ON THE OUTSIDE OF THE TRACK, AND THE SET SCREWS WILL FACE AWAY FROM THE CENTER OF THE DOOR.** The drums will be on the outside of the track with **SET SCREWS FACING OUT** to allow for the cables to ride outside of the track.



Attach Left side cable (Black drum) to wrap around bottom corner bracket using clevis and cotter pin, bring end of cable up **OUTSIDE** of the track to the top of the drum and insert in the slot of the drum. Slide the drum in until it butts up against the bearing on the starter/EBF. Rotate drum until cable is tight. Make sure the slot is facing installer and tighten the set screws on the drum. To keep the shaft from counter rotating (loosening) use a vise grip pliers gripped around the shaft braced against the header to hold cable tight. Repeat Attaching cable on Right side (Red drum).

**At Step 31:** of the Residential and Commercial installation instructions; with the winding bars (two 1/2" constant diameter cold roll solid steel rods- 18" or longer) wind the springs in a **DOWNWARD** direction until you reach the required number of turns. Tighten the set screws until they dimple the torsion shaft. **WHEN WINDING TORSION SPRINGS ON LOW HEADROOM FRONT DRUMS OUTSIDE OF TRACK YOU PULL DOWN OR WIND DOWN WITH THE WINDING BARS!!!!**

**AS A DOUBLE CHECK: ALWAYS WIND IN THE DIRECTION INDICATED BY THE CUT-OFF END OF THE SPRING WIRE.**



## LOW HEADROOM INSTALLATION

