

INSTRUCTIONS FOR : INSTALLATION OF AN ELECTRIC HOIST POWER FESTOON OPTION (FES-KIT)

VESTIL MFG. CO. / T&S EQPT. CO.

PRODUCTS USED ON:

all AHS, FHS, FHA, and AHA models

READ ALL INSTRUCTIONS BEFORE PROCEEDING!

Only trained and qualified service personnel should work on this equipment!

Lock out all potential energy sources before attempting this installation!

Inspect the kit for completeness, accuracy, and damage. The following parts are included in the festoon kit:

One coiled power cord; six metal rings; seven plastic cable ties; one length of 1/8" wire rope measuring one foot longer than the beam length; two quick-grip wire rope clamps; two wire rope support brackets; two 3/8" eye bolts; two 3/8"-16 nuts; two 3/8" flat washers; four 1/2"-13 nylock nuts; four 1/2"-13 x 2" bolts; eight 1/2" flat washers, and; four 1/2" spur clamps.

1. Thread one end of the wire rope through one of the wire rope clamp per its instructions, then through one of the 3/8" eye bolts, then back through the clamp. The end of the clamp should be about 2" away from the eye bolt when secured.
2. Slide the six metal rings onto the wire rope. Install the other eye bolt on the remaining end of the wire rope in the same manner as the first.
3. Thread a 3/8" nut onto each eye bolt and, after determining what will be the left and right side brackets, attach the eye bolts through the support brackets' 9/16" holes. Place a 3/8" washer on the eye bolts, then secure with a 3/8" nylock nut.
4. Install a 1/2" washer, then a spur clamp, to each of the four 1/2" bolts. The flat side of the clamp should be against the washer. Hold the left side bracket on the top of the appropriate end of the gantry's horizontal beam and insert a 1/2" bolt with clamp through the bracket's slots. The teeth on the clamp are to rest against the I-beam's flange. On the top side of the bracket, secure the bolts with another 1/2" washer and a nylock nut. Repeat on the right side.
5. Tighten the wire rope support brackets' bolts, keeping the brackets perpendicular to the horizontal beam.
6. Pull the slack out of the wire rope by feeding more cable through the quick-grip clamps.
7. Final adjustment of the wire rope tension can be made by adjusting the eyebolts' nuts. The wire rope should be taut enough that there is no noticeable sag in the line.
8. Determine which side of the gantry crane you want the power cord's male plug to be on. Hold the coiled cord underneath the rings and strap the last coil at each end of the cord to the first and last rings on the wire rope using cable ties. Then attach the cord to the remaining rings at equal intervals along its length in the same manner. Strap the longer straight portion of the cord to the adjacent end's eye bolt or support bracket. When the ties are tight, cut off their excess length.
9. Plug the hoist's power plug into the coil cord's female end, and the coil cord's male plug into a 115V NEMA 5-15 receptacle or extension cord connector.

Cautions:

- Gantry cranes are portable by nature, and therefore can move unexpectedly during the installation of the festoon system unless measures are taken to prevent wheel movement.

Notes:

- *Because it is installed on only one side of the gantry crane, and because the coiled power supply cord has a male and a female end, consideration should be given before assembly as to what will become the left and right ends of the crane.*