



OWNER'S MANUAL

Festoon Kit

Installation Instructions



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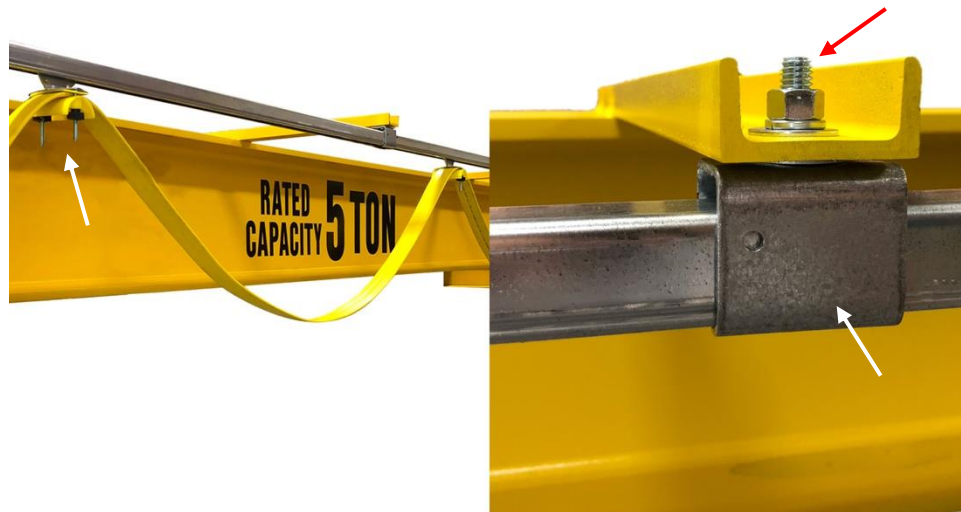
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1.0 Installing Your Starke Festoon Kit

1.1 Read these instructions first and then unpackage all the parts of your festoon kit. Get familiar with the different parts and be looking for the festoon brackets and bolt-on festoon track hangers. Optional customer supplied festoon brackets can be bolted or welded onto your beam. (see picture below)

Installing things in the order listed will result in the fastest and easiest assembly.



1.1.2 Festoon System Trolley, Bracket, and Hanger

1.2 If the festoon brackets and festoon track are not pre-assembled use the track couplers (shown below) with hardware provided to assemble the track. Then bolt the festoon bracket through the hole on the top flange of the beam with C channel legs pointing up as shown in picture on previous page.

▲IMPORTANT NOTE: If there is no hole on your beam, you must drill holes as necessary.

Spacing: If no holes exist on your beam, (optionally) space the festoon brackets (maximum spacing 79") evenly along the beam, leaving 10" overhang of festoon track at each end of the bridge beam. Measure in 10" from the end of your bridge and drill a hole 1-1/2" from the edge of the beam.

Now attach your festoon track to the festoon standard hangers first. Then bolt the festoon track and attached standard hangers through the hole in the festoon bracket. Make sure to slide your track coupler on before tightening your track in place.

▲IMPORTANT NOTE: There should be one track hanger with a bolt on the side of it. This hanger holds the track from sliding. Do not overtighten this side bolt. Tighten bolt enough that the track will not slide easily and then tighten the jam nut to hold in place.



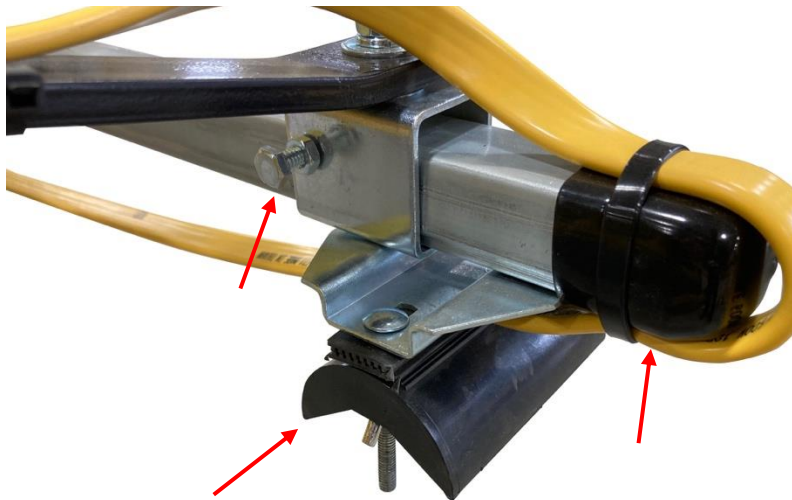
1.2.1 Track Coupler S100-TC

1.3 Hold each festoon trolley and loosen the 2 bolts that hold the plastic clamp plate on the festoon trolley. Then roll the festoon trolleys into the festoon track without the festoon wire installed.



1.3.1 Festoon Trolley with Clamp

1.4 On the end of the beam nearest where your power supply for this festoon will be, install the single bolt anchor hanger S100-AH with the anchor bolt on the side of it. Then install the festoon trolley clamp style S100-CET with bolts to the track as shown below.



1.4.1 Anchor Bolt (S100-AH), Festoon Wire End Clamp (S100-CET), Track End Cap (S100-EC)

1.5 Install the festoon wire through festoon trolley plastic clamps (fig 1.3.1) leaving the plastic clamps loose at this time. Make sure to have enough festoon wire at the ends to make connections to your components. Tighten the festoon **clamp style** trolley mount bolts. Position the festoon trolleys every 60" along the festoon wire and tighten the plastic clamp plate nuts on each trolley. Be sure not to over tighten as this could damage the festoon wire.

▲IMPORTANT NOTE: For ease in measuring, festoon wire typically has 1 ft measurements printed on it.



1.5.1 Festoon System with a Hoist on a Crane

2.0 Part Lists

2.1 Festoon System

Part Description	Part Number
Festoon Track, 13.12ft (4m)	S100-13
Single Bolt Standard Hanger	S100-SH
Single Bolt Anchor Hanger	S100-AH
Track Coupler	S100-TC
End Cap (Rubber)	S100-EC
Festoon Trolley	S100-CFT
Festoon Trolley Clamp Style	S100-CET
Air Hose Festoon Trolley	S100-AFT
Air Hose Festoon End Clamp	S100-AET
14 GA, 4 Wire Festoon Cable	SFC4W-14AWG
14 GA, 8 Wire Festoon Cable	SFC8W-14AWG
14 GA, 12 Wire Festoon Cable	SFC12W-14AWG
10 GA, 4 Wire Festoon Cable	SFC4W-10AWG
S300 Enclosed Track Festoon Trolley	S300-CFT

▲IMPORTANT NOTE: Starke Trolley for Use in Starke S300 Enclosed Track Only

2.2 Optional Bolt on Brackets

Part Description	Part Number
13" Long Bracket (Bolt Hole in Each End)	SET-90076
16" Long Bracket (Bolt Hole in Each End)	SET-90077
18" Long Bracket (Bolt Hole in Each End)	SET-90078
26" Long Bracket (Bolt Hole in Each End)	SET-90080



Starke Products Warranty

1 Year (12 Month) Parts & Labor Warranty

Unless otherwise specified, Starke guarantees that our products are free from material defects in design and workmanship under normal use, proper maintenance, and service.

This warranty is strictly limited to 12 months for single shift operation or 2,000 hours after installation, or 14 months after shipment, whichever is shorter. Within ten days after defect is found, warrantee must deliver a written notice to Starke providing defect information. All requested warranty information must be received promptly by Starke in no more than 5 business days.

Customer is responsible for all shipping charges on returned/warrantable items. Starke will cover the repair (parts and labor) at no charge or provide a replacement item at Starke's discretion.

This warranty does not cover defects or damage caused by acts of God, unusual wear and tear, improper use, or improper maintenance by the user. No responsibility for consequential damage is expressed or implied, and the responsibility under this warranty/guaranty is limited to the repair or replacement of the defective materials. Repair or replacement of the item is fully at the discretion of Starke.

ALL OTHER REPRESENTATIONS, EXPRESS OR IMPLIED, WARRANTY, OR LIABILITY RELATING TO THE CONDITION OR USE OF THE PRODUCT ARE SPECIFICALLY DISAVOWED, AND IN NO EVENT SHALL STARKE BE LIABLE TO BUYER, OR ANY THIRD PARTY, FOR ANY DIRECT OR INDIRECT CONSEQUENTIAL OR INCIDENTAL DAMAGES

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