



OWNER'S MANUAL

ElectroTrack Kit Installation Instructions



65 amp – 4 Conductor

Ratings and Specifications

1.0

Maximum collector speed	390 FPM
Maximum amps allowed	65 Amps
Actual length of 1 section of track	12' 11-3/8"
Maximum distance between hangers	79 Inches
Limit heat exposure	Range = 0 to 110 deg F

(ElectroTrack must be shielded from direct sunlight and high temperatures)



Installing your Starke ElectroTrack Kit

1.1 Read these instructions first and then unpackage all the parts of your ElectroTrack kit. Get familiar with the different parts and be looking for the bolt-on ElectroTrack track hangers. (Optional channel brackets can be bolted or welded onto your beam. Sold separately)



(Note: In some cases, hangers can be bolted directly to the I-beam without using channel brackets)

1.2 If the channel brackets and ElectroTrack hangers & track **are not** pre-assembled on your beam, use the following instructions to start assembly. Bolt the channel bracket through the hole on the top flange of your I-beam with C channel legs of the new channel bracket pointing up. (If there is no hole on your beam, you must drill holes as necessary.)

Spacing: If no holes exist on your beam, space the ElectroTrack brackets (maximum spacing 79") evenly along the beam. Attach your ElectroTrack **hangers** to the channel brackets. Do not tighten hardware at this time.



1.3 At the end of the ElectroTrack system that will be closest to your building power supply wiring, install one full length of the Starke ElectroTrack to be used for “incoming power”. (Green & Yellow color stripes should be facing away from the I-beam.) Drill a ¼” hole in each copper conductor rail to connect incoming power. At this point, drill the holes for the wires to connect to later.



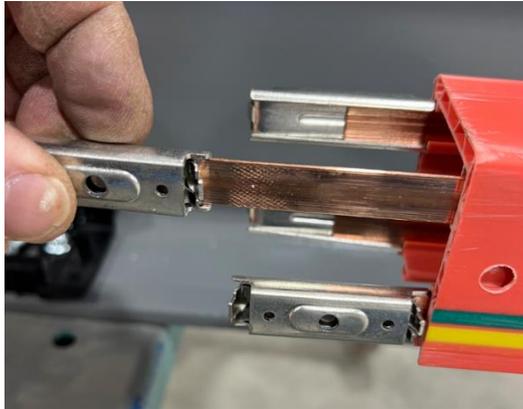
1.3a For electrification tracks longer than 100’ a “center power feed” option is available, see parts list.



1.4 Leaving a 4-inch to 6-inch gap, install the second section of ElectroTrack making sure the grounding conductor color stripes are lined up. (Each orange track is marked with a yellow and green line. This line indicates where the ground conductor is located.)



1.5 Press a conductor coupler onto the dimpled end of each of the 4 conductors as far as it will go. **Important, coupler (SET-90072) body goes to the outside of the copper conductor leaving a smooth transition on the inside face of the coupler as shown below.**



1.6 Push the next full section of ElectroTrack copper conductors into the couplers installed in step 1.5. Once all 4 conductors are started into the corresponding coupler use a needle nose plier to work the conductors the rest of the way into the couplers fully. Conductor ends must be in tight contact.



1.7 Place one half of a splice cover around the conductor couplers and tight to the casing on both sides. The pins on the cover should align with holes in the orange casing. Clip the other half of the splice cover into place bringing rails together and bolt splice cover. Repeat steps as necessary until the track is complete.



(Optional center power feed splice cover w/couplers shown at right-not included in the kit)

SET-90069



1.8 Place the power supply box on the “Incoming Power” end of the rail.

1.9 Place a bolt through each conductor hole so that the bolt head is between the conductors.



1.10 Place a wire terminal ring over the bolt on the outside of the conductor followed with the nut.

1.11 Important! First make sure the power source is disconnected and verified “**off**” with a voltage tester. Then connect the supply wire to the conductors. Starting with grounding terminal (green/yellow stripe) attach green wire then proceed clockwise with black, white, then red (red opposite to ground as shown above)

1.12 Tighten the cord grip (not included) and tighten the connection nuts and bolts. Then slide the power supply box cover in place and install the power supply cover.



1.13 Verify power is still off. At the other end of the ElectroTrack install the collector trolley. Make sure the grounding brush (yellow wire w/green stripe) is aligned with the ground terminal of the ElectroTrack. Next, push brushes in and slide collector into ElectroTrack. Depress the remaining brushes and slide collector trolley all the way in.



1.14 Bridge and collector should then be lined up and the tow bar that guides the collector down through the ElectroTrack can be attached to the bridge or trolley and surround the collector.



Parts List

13ft Conductor Track (orange)	SET-TRACK
40 Amp Single Collector	SET-90066
Single Tow Arm.....	SET-90067
End Power Feed Kit	SET-90068
Center Power Feed Kit- Cover with 4 Couplers.....	SET-90069
Plastic Splice Cover.....	SET-90071
Copper Splice Couplers.....	SET-90072
(not required) Hole Punch Tool for Conductors.....	SET-90073
End Cap.....	SET-90074
ElectroTrack Hanger with Hardware.....	SET-90075
16" Channel Bracket.....	SET-90077
18" Channel Bracket.....	SET-90078

**If tandem collectors are required, simply order (2) single collectors and (2) single tow arms.



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.

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