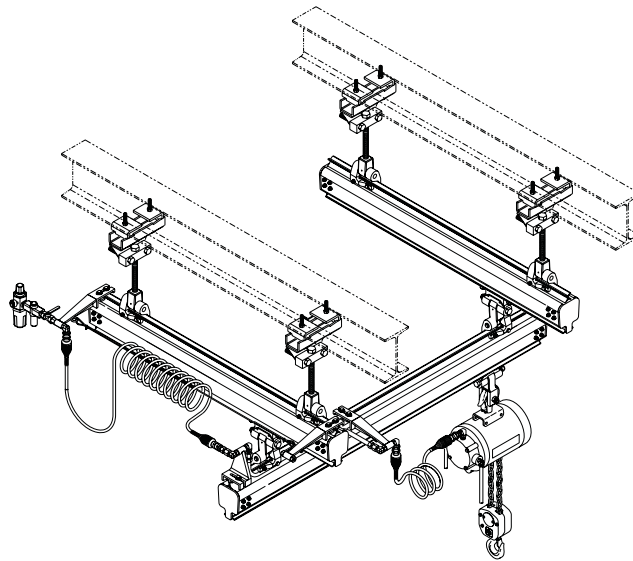




Z-Rail Electric Supply Kit



(Dwg. MHP1539)



Save These Instructions

PARTS ORDERING INFORMATION

Upon receipt of shipment, carefully compare contents to the bill of lading or express receipt. For future reference when ordering replacement parts, record model information and file with system documentation.

When ordering replacement parts please specify:

1. Complete model number.
2. Part numbers as they appear in this manual.
3. Quantity required.

The use of other than **Ingersoll Rand** replacement parts may result in decreased performance, and may invalidate the warranty. To order parts, contact your nearest **Ingersoll Rand** Distributor, or fax or write:

Ingersoll Rand

1872 Enterprise Drive
Rochester Hills, MI 48309
Phone: (248) 293-5700
Fax: (248) 293-5800

or

Ingersoll Rand

Douai Operations
111, Avenue Roger Salengro
59450 Sin Le Noble, France
Phone: (33) 3-27-93-08-08
Fax: (33) 3-27-93-08 00

■ **Disposal**

When the life of the unit has expired, it is recommended that it be disassembled, degreased and parts separated as to materials so that they may be recycled.

Fax: (33) 3-27-93-08 000 Only allow **Ingersoll Rand** trained technicians to perform maintenance on this product. For additional information contact **Ingersoll Rand** Factory or nearest Distributor.

For additional supporting documentation refer to **Parts, Installation, Operation and Maintenance Manual Form MHD56159**.

Manuals can be downloaded from www.irtools.com

The use of other than genuine **Ingersoll Rand** replacement parts may result in safety hazards, decreased performance and increased maintenance and may invalidate all warranties.

The original language of the manual is English

Refer all communications to the nearest **Ingersoll Rand** Office or distributor.

ELECTRIC SUPPLY KIT INSTALLATION

WARNING

- Electrical installation must be performed by licensed electricians in accordance with the latest National Electrical Code (Article 430) and any applicable local, state and national electrical codes and ordinances.
- Before performing maintenance, tag controls:
**WARNING - DO NOT OPERATE -
EQUIPMENT BEING REPAIRED.**
- Only allow service personnel trained in safety and service on this product to perform maintenance.

■ **Electrification System**

1. Install electrification system, as described in "INSTALLATION" section of Parts, Installation, Operation and Maintenance Manual Form MHD56159.
2. Connect electrical power supply to handling device.
3. Turn on power.
4. Operate handling device.

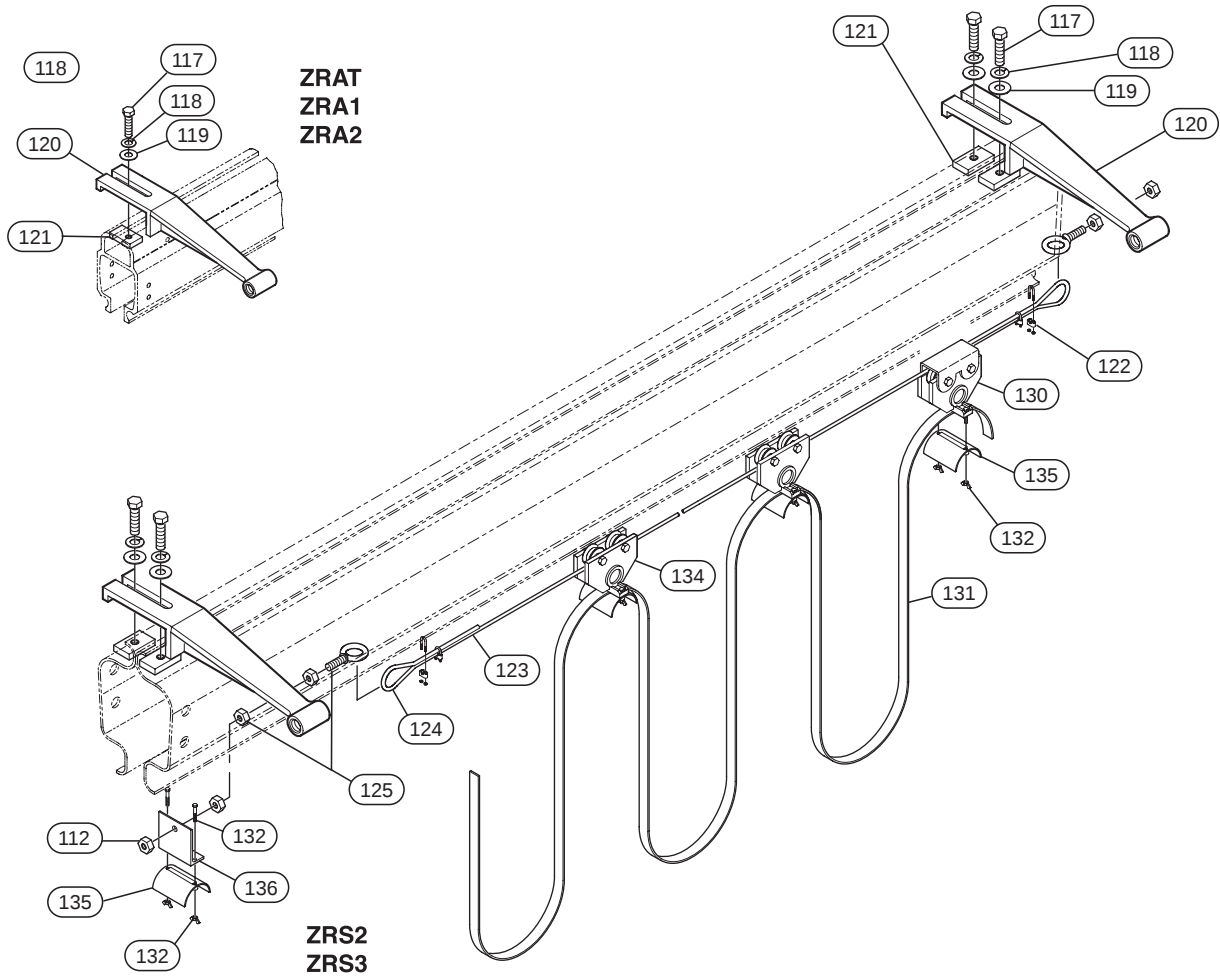
Refer to "ELECTRIFICATION PARTS LIST" Section on page 5 for kit part numbers.

■ **Electrification System Installation**

Refer to Dwg. MHP1538 on page 40.

1. Align bracket (120) with each end of rail.
2. Determine which side of bracket to install the anchor bracket (136). Anchor bracket must be installed closest to pivot or wall end.
3. Install eyebolt and nut assemblies (125) to brackets (120). Eye portion of bolts will face each other when brackets are installed.
4. Install thimble (124) to eyebolt (125).
5. Thread cable trolleys (134) and towing trolley (130) onto cable (123). Ensure towing trolley is nearest the handling device. Wheels of towing trolley sit below cable.
6. Thread cable (123) through eyebolt (125) and thimble (124).
7. Install clamps (122) to cable (123). Do not tighten, rather snug the capscrews so cable will not slip through clamp.
8. Install brackets (120) to top of boom with the eyebolts toward each other, using capscrews (117), lockwashers (118), washers (119) and plates (121).
9. Tighten clamps at one end of cable.
10. At opposite end of cable thread excess cable through clamps increasing tension until cable can support the weight of the trolleys and electrical cable.
11. Tighten clamp (122).
12. Connect electrical supply and test handling device.

ELECTRICAL SUPPLY PARTS DRAWINGS



(Dwg. MHP1538)

ELECTRICAL SUPPLY PARTS LIST

Item No.	Description of Part	Total Qty	Part Number	
			3/8 inch	1/2 inch
400	Electrification Festooning Kits *	1	Refer to Charts Below for Hose Lengths	
112	Adapter Hose	1	10555-B	10556-B
117	Capscrew	2 or 4	71480	
118	Lockwasher	2 or 4	74507	
119	Washer	2	74540	
120	Bracket	2	30116-375	30116-500
121	Spacer	2 or 4	30038	
122	Clamp Assembly	4	10230	
123	Cable	**	10105	Contact Factory
124	Thimble	2	10210	
125	Eyebolt & Nut Assembly	2 or 4	01918	
130	Towing Trolley	1	99040	
131	Flat Electrification Cable	**	Refer to Chart Below for Part Numbers	
132	Wing Nut Assembly	As Req'd	Contact Factory	
134	Cable Trolley (20 ft [6.1 m] boom)	4	99041	
135	Flat Cable clip	As Req'd	99042	
136	Anchor Bracket	1	99043	

* Each kit includes festoon lamp, sliders, flat cable and junction box.

** Specify length in feet or meters.

NOTE: To order metric parts for capscrews and locknuts place the letter "M" after the part number; example: item no. 117 part number would be 71480M.

Electrification Festooning Kits:

Boom Length		Part Number
ft	m	
12	3.66	90090-1
25	7.62	90090-2
50	15.24	90090-3
75	22.86	90090-4
100	30.48	90090-5
125	38.10	90090-6
150	45.72	90090-7

Optional Flat Electrification Cable *

Item No.	Part Number	No. of Conductors	Conductor Size-AWG	AMP Rating NEC 310 16
131	99050	8/C	16	15
	99051	12/C	16	15
	99052	4/C	14	17
	99053	8/C	14	17
	99054	12/C	14	17
	99055	4/C	12	30
	99056	7/C	12	30
	99057	4/C	10	40

* PVC jacket flat cable is available in the configuration shown. To determine the correct cable length, add 10 ft (3 m), plus 10% of system.

SERVICE NOTES

SERVICE NOTES
