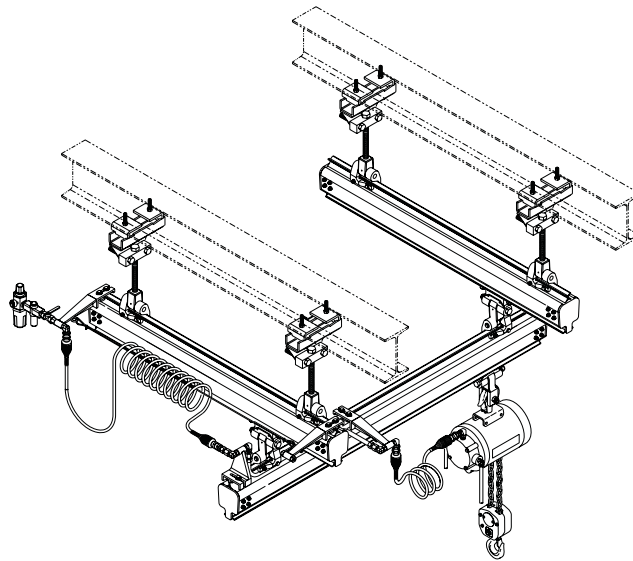




Z-Rail Pneumatic Air Supply Kit



(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.

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.

AIR SUPPLY KIT INSTALLATION

WARNING

- Shut off air system and depressurize air lines before performing any maintenance.
- 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.

■ Air System

Most rail systems will require an air supply which is clean and free from water, water vapor and oil. 6.9 bar/690 kPa (100 psi) at the handling device is normally required to provide rated capacity. Do not exceed 6.9 bar/690kPa (100 psi).

CAUTION

- Do not use an air line lubricator of any kind. Oil may damage internal components.

Check rail system manufacturer's specifications for correct air supply requirements.

4. Install air system as described in "INSTALLATION" section of Parts, Installation, Operation and Maintenance Manual Form MHD56159.
5. Connect air supply to handling device.
6. Turn on air supply and check system for leaks.
7. Operate handling device.

Refer to "AIR SUPPLY PARTS LIST" on page 4 in parts section for air supply kits.

■ Installation

Refer to Dwg. MHP1535 and MHP1536 on page 4.

Runway:

1. Assemble swivel compression fittings (108) to pre-coiled hose (109).
2. Install hose fittings (111) to each end of rubber hose (112).
3. Install adapter fitting (115) to one end of fitting (111).

4. Connect adapter (110) to one end of pre-coiled hose (109).
5. Align bracket (120) with each end of rail.
6. Determine which side of bracket to install filter/regulator (102). Regulator should be installed at the column or wall side of bracket.
7. Install filter/regulator (102) to bracket (120).
8. Install elbow fitting (107) to bracket (120).
9. Install eyebolt and nut assemblies (125) to brackets (120). The eye portion of the bolts will face each other when brackets are installed.
10. Install thimble (124) to eyebolt (125).
11. Thread cable (123) through the center of pre-coiled hose (109).
12. Thread cable (123) through the eyebolt (125) and thimble (124).
13. Install clamps (122) to cable (123). Do not tighten, rather snug the bolts so cable will not slip through clamp.
14. Install brackets (120) to top of rail with the eyebolts toward each other, using bolts (117), lockwashers (118), washers (119) and plates (121).
15. Tighten clamps (122) at one end of cable.
16. At opposite end of cable thread excess cable through clamps increasing tension until cable supports the weight of precoiled hose.
17. Tighten clamp (122).
18. Connect adapter fitting (115) to lifting unit inlet.
19. Rotate shut off valve to the closed position.
20. Connect plant air supply or column air supply to regulator (102) inlet.

CAUTION

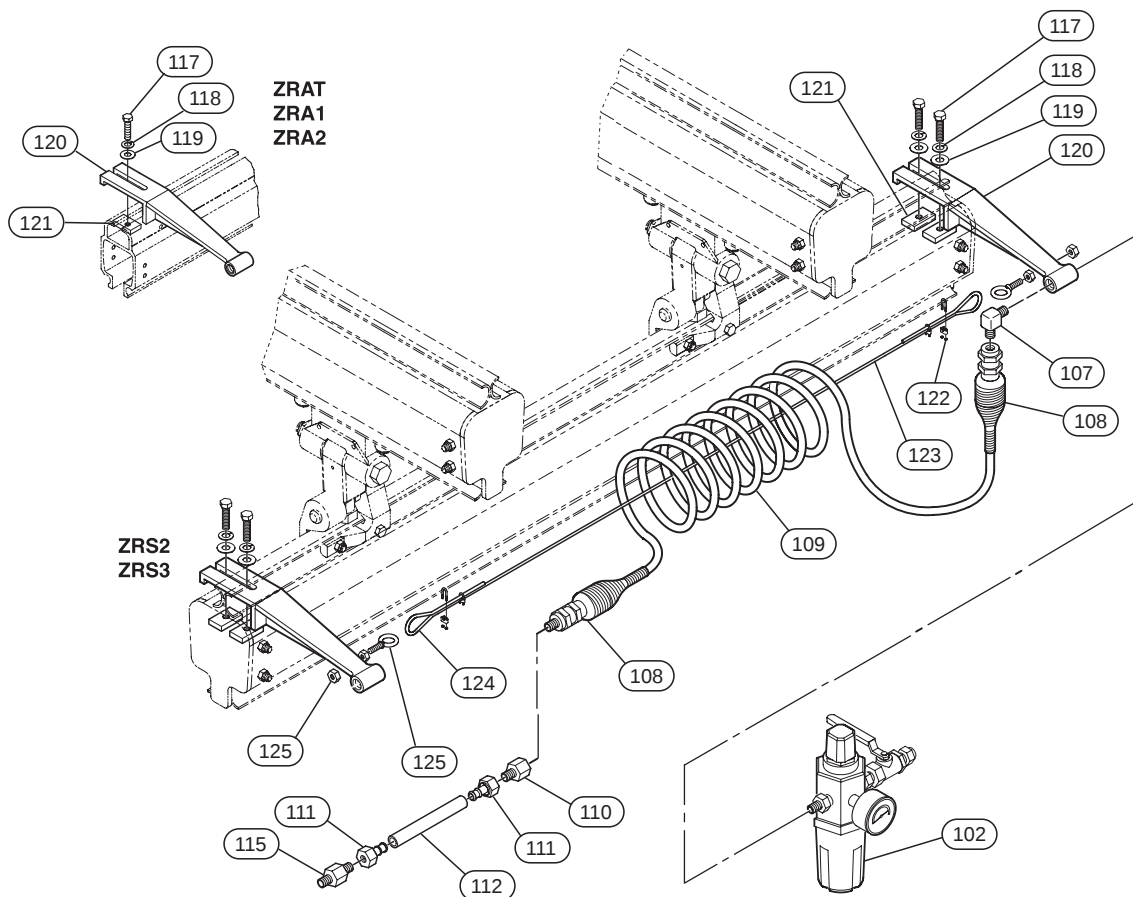
- Do not open shut-off valve until all equipment is installed.

21. Rotate shut-off valve to open position.
22. Adjust regulator to 100 psi (6.9 bar).

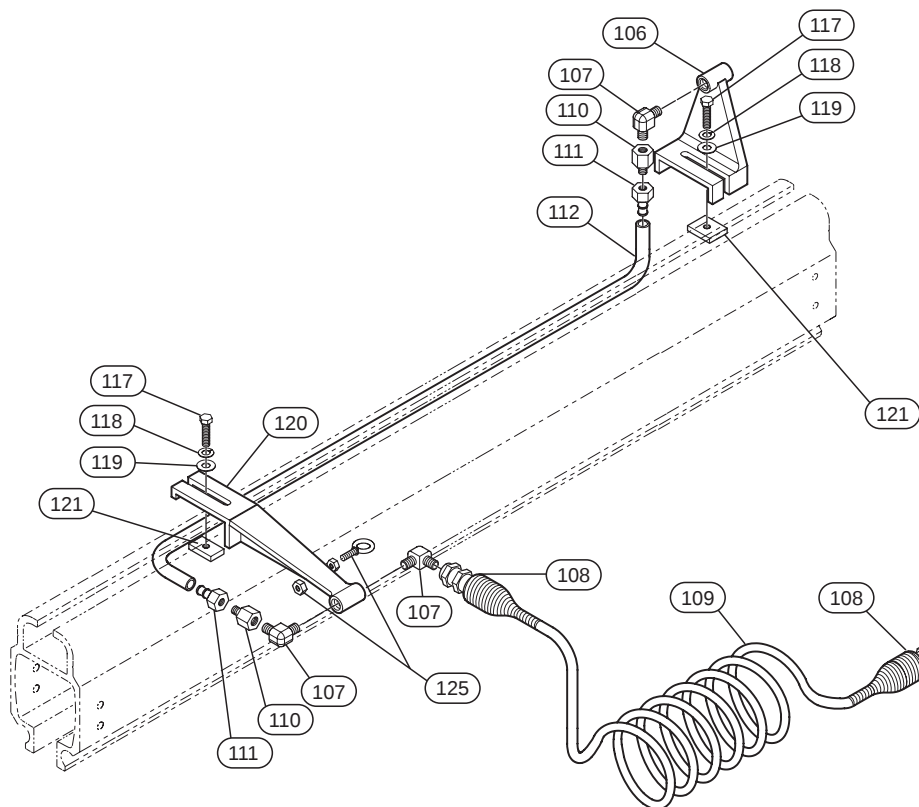
Bridge:

1. Install elbow fitting (107), adapter fitting (110) and hose end fitting (111) to one end of hose (112).
2. Install hose (112) with fittings to stanchion bracket (106). Run end of hose through rail, drill hole adequate for hose size pull through.
3. Install fittings (110), (109) and (107) to hose end.
4. Install hose end with fittings to bracket (120).
5. Install fitting (107) to other side of bracket (120)
6. Install precoil fitting to both sides of precoil hose (109).
7. Install one end of precoil hose to fitting (107).

AIR SUPPLY PARTS DRAWINGS



(Dwg. MHP1535)



(Dwg. MHP1536)

AIR SUPPLY PARTS LIST

Item No.	Description of Part	Total Qty	Part Number	
			3/8 in.	1/2 in.
101	Air Supply Kit *	1	90000	90001
102	Filter / Regulator / Gauge Kit	1	01941	01972
106	Bracket	1	30116-375	30116-500
107	Fitting, 90° Elbow	1	10354	01961
108	Fitting, Swivel	2	01957	01956
109	Precoil Hose	**	01910	01912
110	Fitting, Adapter	1 or 2	10765	10568
111	Fitting, Hose End	2	10560	10561
112	Adapter Hose	**	10555-B	10556-B
115	Fitting, Adapter	1	10566	10567
117	Capscrew	2 or 4	71480	
118	Lockwasher	2 or 4	74507	
119	Washer	2	74540	
120	Bracket	2	30114-375	30114-500
121	Spacer	2 or 4	30038	
122	Clamp Assembly	4	10230	
123	Cable	**	10105	
124	Thimble	2	10210	
125	Eyebolt & Nut Assembly	2	01918	

* Each kit includes brackets, tagline assembly and coiled hose assembly.

** 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.

Item No.	Description of Part	Size or Length		Part Number	
		ft	m	3/8 in.	1/2 in.
503	Air Supply Package - Rail System	50	15.2	90000-1	90001-1
		75	22.8	90000-2	90001-2
		100	30.5	90000-3	90001-3
504	Air Supply Package - Bridges	5 to 8	1.5 to 2.4	90020-1	90021-1
		9 to 11	2.7 to 3.4	90020-2	90021-2
		12 to 14	3.7 to 4.3	90020-3	90021-3
		15 to 18	4.6 to 5.5	90020-4	90021-4
		19 to 24	5.8 to 7.3	90020-5	90021-5
505	Air Supply Package - Adapter Hose Assembly	N/A	N/A	30075-036	30076-036
				30075-054	30076-054
				30075-072	30076-072
507	Z-Rail and I-Beam Systems	50	15.2	90040-1	90041-1
		75	22.8	90040-2	90041-2
		100	30.5	90040-3	90041-3

SERVICE NOTES

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