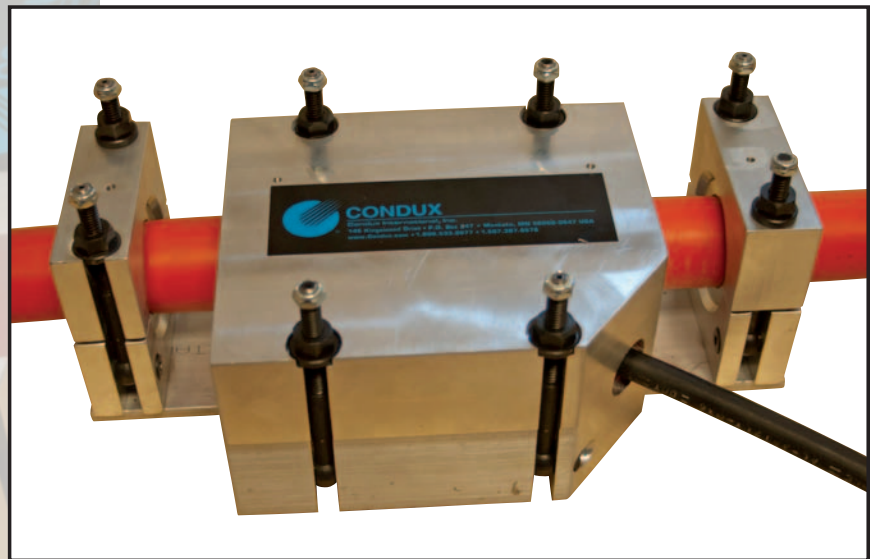
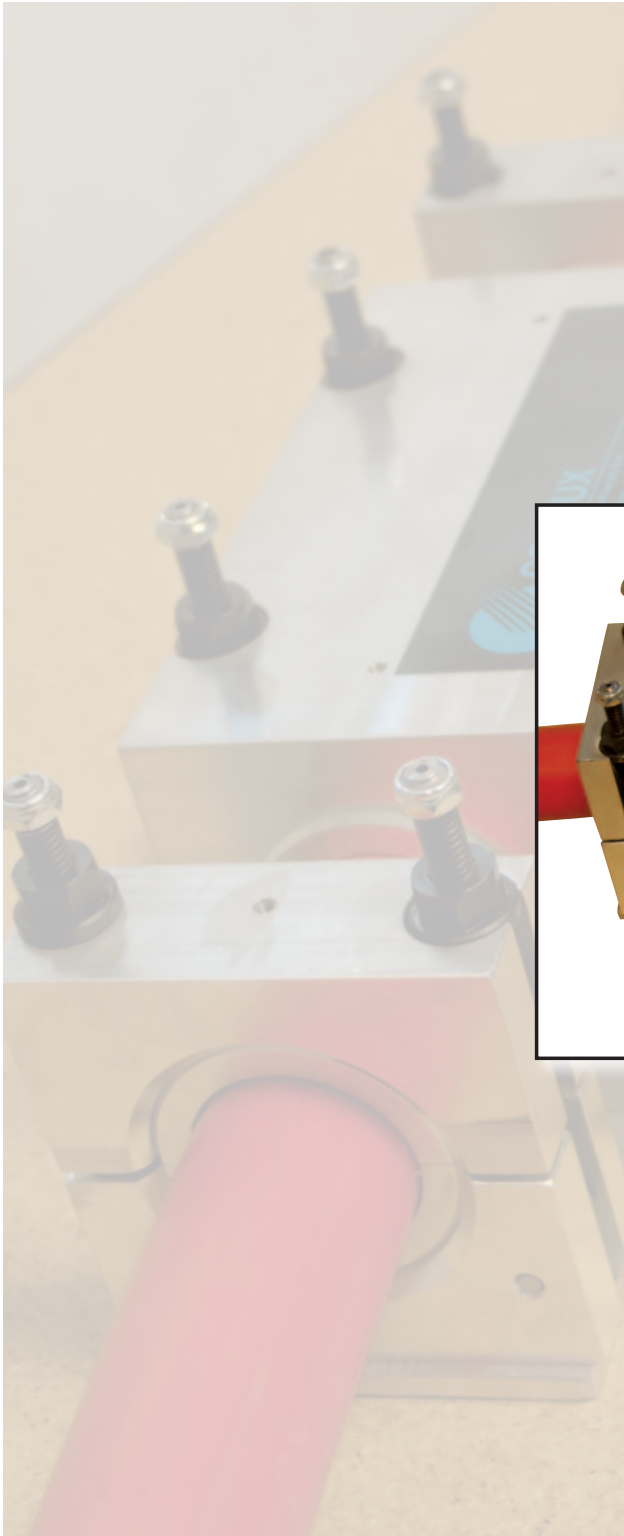


# USER'S GUIDE & SAFETY MANUAL

## Deluxe Y-Block



**CONDUX**

**ISO 9001:2008  
CERTIFIED**

# Important Safety Notice

Read and understand all procedures and safety instructions before using a Condux Deluxe Y-Block. Observe all safety information on this page and note specific safety requirements as explained by procedures in this manual. Failure to follow these instructions could result in serious personal injury or death.

## ADVERTENCIA:

Favor de leer y comprender todas las instrucciones de operación y seguridad antes de usar la máquina. Si Ud. No comprende las instrucciones favor de consultarle a su jefe.



**Save this user's guide for future reference.**

### COMMUNICATIONS WITH THE MANUFACTURER

For any information related to the machine (use, maintenance, spare parts) always state Model, Serial Number, Manufacturing Year and Order. This data can be found in the machine identification label.

Manufacturer:

Condux International Inc.

145 Kingswood Drive

Mankato, MN 56002-0247

1-507-387-6576

Fax: 1-507-387-1442

Internet: <http://www.condux.com>

E-mail: [cndxinfo@condux.com](mailto:cndxinfo@condux.com)



If you have questions on:

**SAFETY - OPERATIONS - APPLICATIONS**

CALL 1-800-533-2077

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# ***General Information***

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## **1.**

### **GENERAL PRODUCT USE**

- a. Only qualified operators should use this product. The operator should only be the person who received qualified training from the product owning company or trained by the manufacturer.
- b. Product must only be used for the work it was designed for.
- c. Product is not to be used with unauthorized personnel on the job site.
- d. Should there be any doubt concerning use, functioning, maintenance or anything else, please contact the factory or factory representative.

### **OPERATOR QUALIFICATIONS**

- a. Operator must know the required safety directives to run the product that are pertinent to the country where it is being used.
- b. Operator in charge of the product and installation project must be appropriately dressed, avoiding large clothes, hanging jewelry or whatever might become entangled in the moving parts.
- c. Operator must also wear the necessary protective equipment such as gloves, boots, helmet, etc.
- d. Operator must carefully follow all advisements contained in the instruction manual or on the machine.
- e. Operator must have work area kept clean of obstacles that might inhibit a safe working area.

### **MAINTENANCE QUALIFICATION**

- a. Periodically inspect product for wear and tear.
- b. Authorized and trained personnel must do all maintenance operations. Trained personnel are defined as people who have received qualified training from the using company or from the manufacturer.

# Set Up the Y-Block

1. Loosen the 8 nuts on the Y-Block assembly (Figure 1). Remove Innerduct Clamp (Figure 2) and Air Block Cover (Figure 3).

# 2.

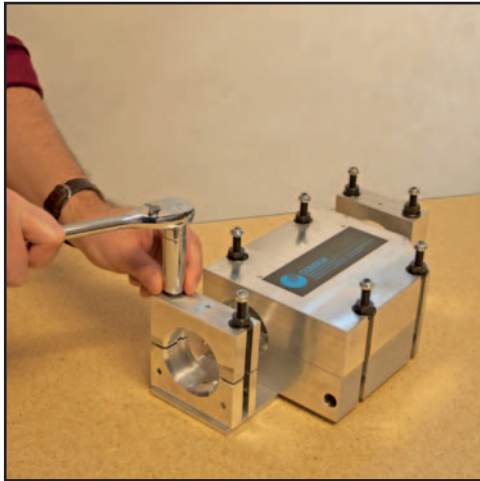


Figure 1. Loosen Nuts

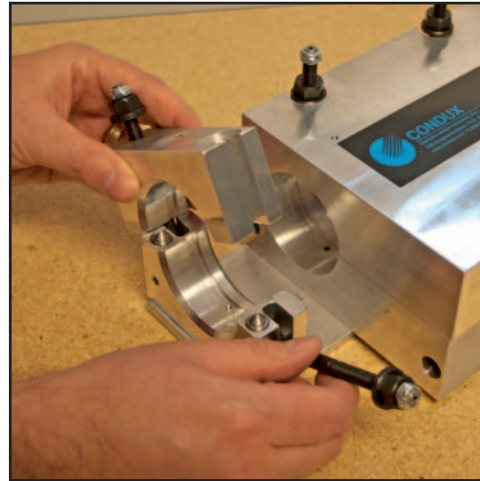


Figure 2. Remove Duct Clamps



Figure 3. Remove Air Block Cover

2. Select the correct Condux Duct Components according to the innerduct size. Refer to the Duct Selection Chart on Page 10.
3. Choose the correct Innerduct Seal and install both halves securely. Use the provided  $\frac{3}{32}$ -inch hex wrench (Figure 4).
4. Choose the correct Conduit Clamp and install both halves (same color as the conduit seal). Use the provided  $\frac{3}{32}$ -inch hex wrench (Figure 5).



Figure 4. Insert Duct Clamps

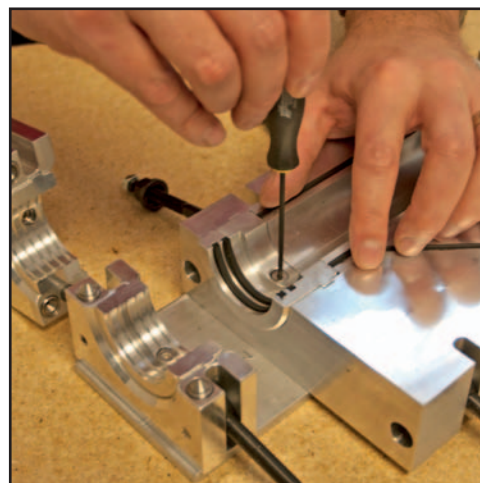


Figure 5. Insert Duct Seals

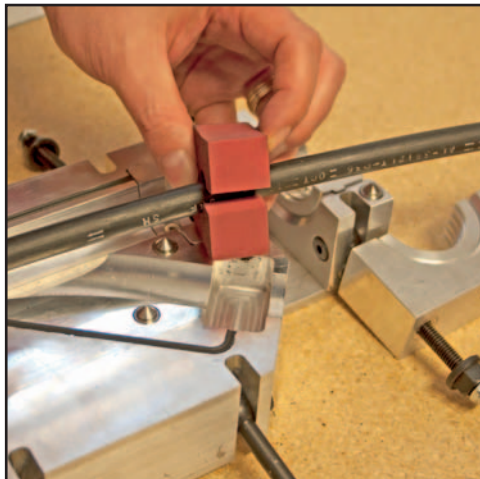
5. Place innerduct in the Innerduct Seal and Innerduct Clamp on both the enter and exit side of the Y-Block. Note placement up to ridge on Innerduct Seal (Figure 6). Make sure lay static cable in the Y-Branch of the Y-Block as seen in Figure 6.
6. Clamp Innerduct in place (See Figure 7).



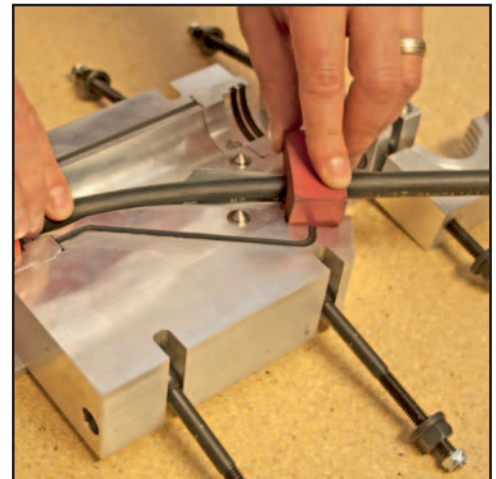
**Figure 6. Insert Duct**



**Figure 7. Clamp Innerduct**

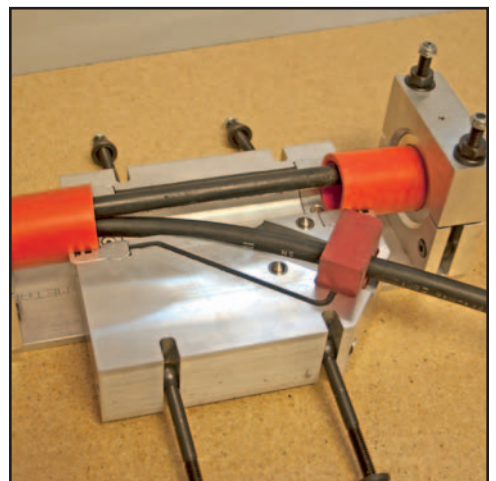


**Figure 8. Install Cable Seal**



**Figure 9. Install Cable Seal in Slot**

7. Choose correct Cable Seal and install around cable (Figure 8) and push into the provided slot, split side down (Figure 9).
8. Hand push cable to be installed from the blower into the Y-Block (Figure 10).



**Figure 10. Hand Push Cable into Y-Block**

9. Install Air Block Cover and Secure (Figure 11) Tighten bolts securely, but do not over tighten. Use a cross tightening procedure with the hold down bolts.  
**Note: Figure 12 shows a correctly sealed Condux Y-Block.**

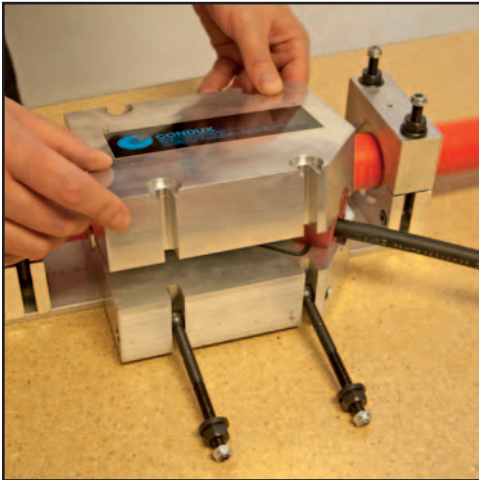


Figure 11. Install Air Block Cover

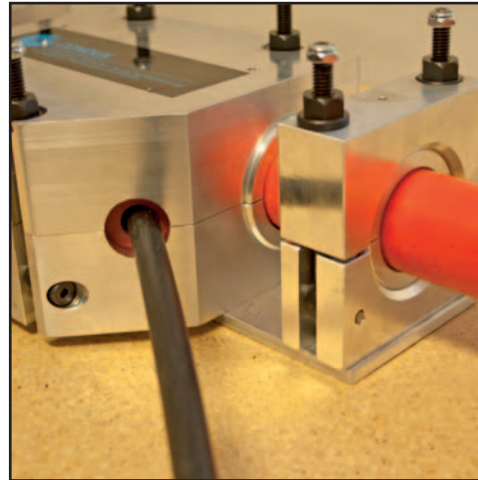


Figure 12. Sealed Y-Block

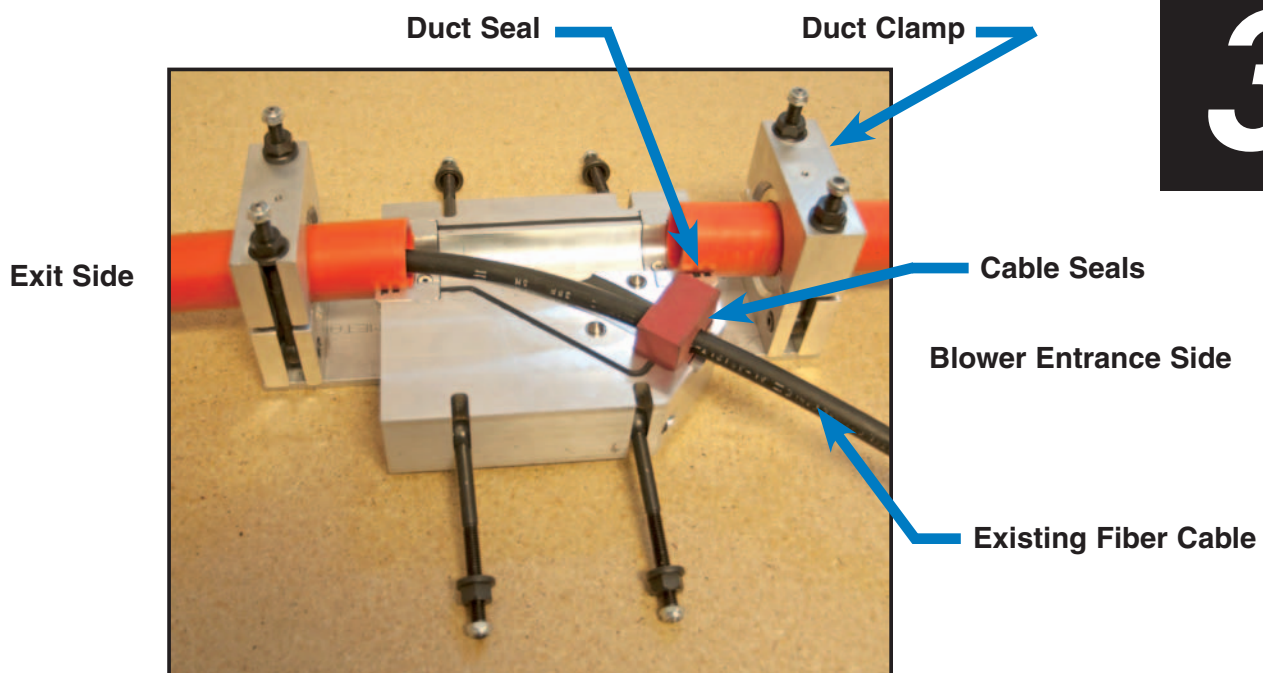
**!WARNING:** Forced air creates flying debris. Always wear personnel protective equipment. Severe personnel injury could result.

**!WARNING:** Ensure no personnel are in the destination access vault during the blowing operation. Severe personal injury could result.

**!WARNING:** Y-Block Assembly contains compressed air when blower is operated. Opening the Y-Block while under pressure may cause serious personal injury. Ensure blower is depressurized before removing Y-Block Cover.

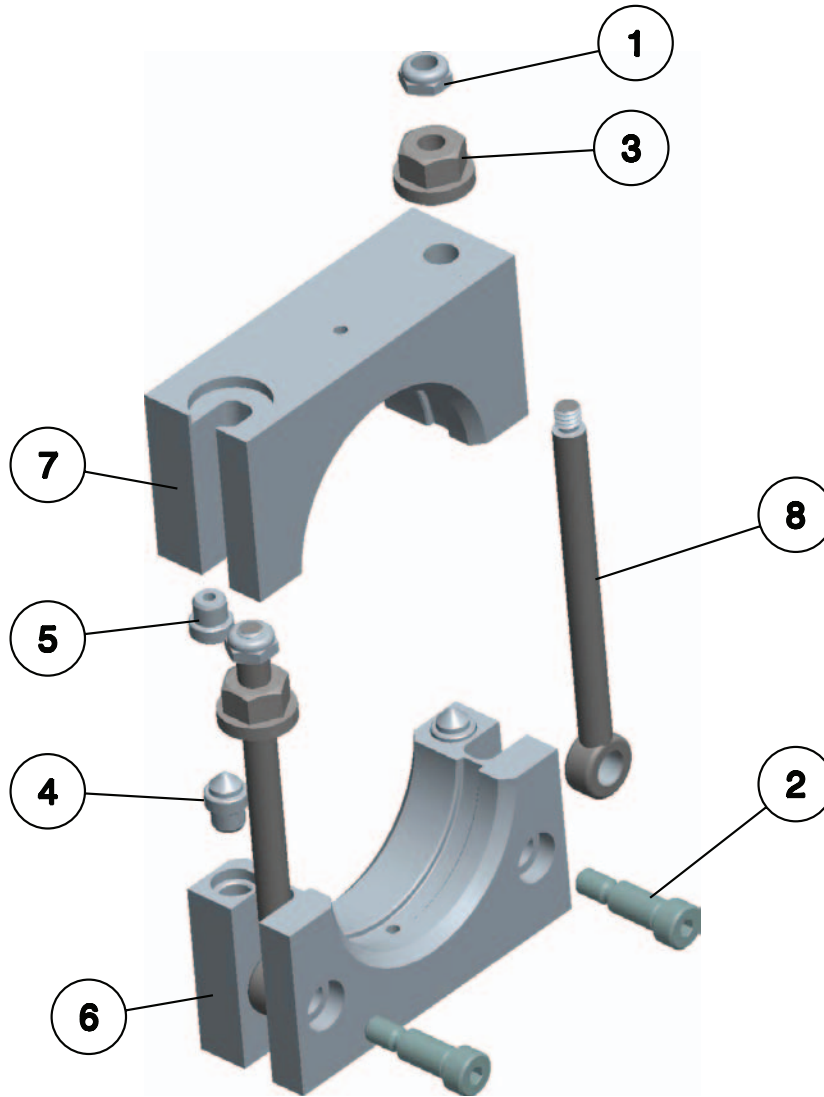


## ***Y-Block Orientation***



# Y-Block Parts Breakdown

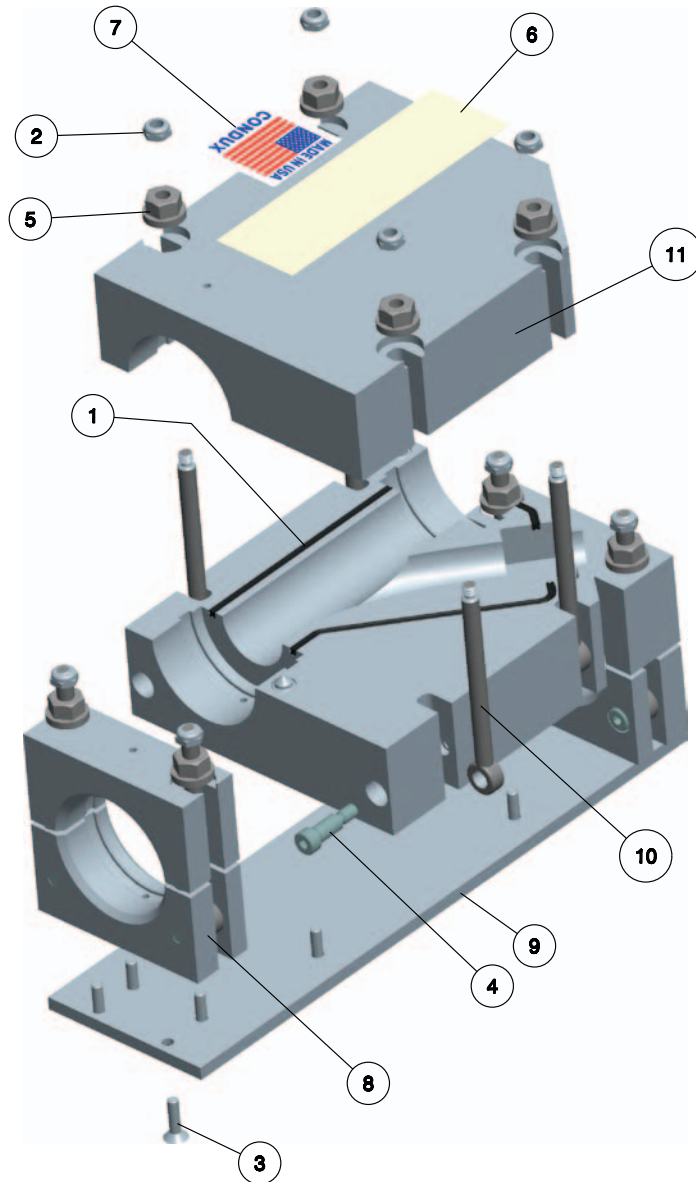
# 4.



08780942 - Swing Bolt Clamp Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1	02288416	1/4-20 THIN NYLOC NUT (CLEAR ZINC)	2
2	02289401	5/16 DIA X 5/8 SHOULDER SCREW (1/4-20 THRDS)	2
3	02290167	5/16-18 SWIVEL FLANGE HEX NUT	2
4	NA	LOCATOR PIN	NA
5	NA	LOCATOR BUSHING	NA
6	NA	LOWER SWING BOLT CLAMP BODY	NA
7	NA	UPPER SWING BOLT CLAMP BODY	NA
8	08782314	SWING BOLT-MACHINED	2
	08782321	CLAMP BODY (INCLUDES 4, 5, 6 & 7)	
	08782322	SWING BOLT KIT(INCLUDES (1 EA) 1, 2, 3, & 8)	





**08782310 - Y-Block Parts Breakdown**

ITEM	PART NO.	DESCRIPTION	QTY
1	08780126	SEAL REPLACEMENT KIT-LW BLOWER	1
2	02288416	1/4-20 THIN NYLOC NUT (CLEAR ZINC)	4
3	02289055	M05-0.8X 20MM SS FLAT SOCKET CAP SCREW	12
4	02289401	5/16 DIA X 5/8 SHOULDER SCREW (1/4-20 THRDS)	4
5	02290167	5/16-18 SWIVEL FLANGE HEX NUT	4
6	02290226	LABEL CONDUX BLACK	1
7	02290291	LABEL MADE IN USA	1
8	08780942	SWINGBOLT CLAMP BLOCK ASSY	2
9	08782313	Y-BLOCK MOUNT PLATE	1
10	08782314	SWING BOLT-MACHINED	4
11	08782320	Y-BLOCK BODY-MACHINED ASSY	1
	08782320	Y-BLOCK BODY-MACHINED ASSY (INCLUDES UPPER AND LOWER Y-BLOCK, AND LOCATOR PINS AND BUSHINGS)	
	08782322	SWING BOLT KIT (INCLUDES (1 EA) 2, 4, 5 & 10)	

# Replacement Parts & Accessories

# 5.

## COMMON PARTS KIT



Part Number	Description	Qty.
02283800	3/32" Hex Ball Driver	1
02284000	3/8" Drive Ratchet	1
02290520	9/16" Hex Socket	1
08761868	Cable Shuttle 1 1/4"	1
08761869	Cable Shuttle 1 1/2"	1
08780126	Seal Kit Replacement	1
08780424	Machine Screws Kit	1
08782316	Block, Cable Seal SM	1
08782317	Block, Cable Seal LG	1
08782319	Manual	1
08782318	Dlx Y-block Case Foam	1
02290222	Molded Storage Case	1

## Y-BLOCK DUCT PACK SELECTION CHART

Part Number	Description	Duct OD
08782302	DUCT PK, Y-BLOCK 1"	1.315
08782304	DUCT PK, Y-BLOCK 1 1/4"	1.660
08782306	DUCT PK, Y-BLOCK 1 1/2"	1.900
08782308	DUCT PK, Y-BLOCK 2"	2.375

## RECOMMENDED BLOWING LUBRICANTS

### POLYWATER® PRELUBE 2000™

Specially formulated for use with fiber optic cable blowing systems, Polywater® Prelube 2000™ has been field proven with the Deluxe LW Blower. This lubricant is a special lubricant used to prelubricate the conduit system before installing the cable. Prelube 2000 is compatible with all types of cable jackets and conduit types.



Part Number	Description	Std. Pkg. Qty.
08230600	1 Quart (.9 liter) Squeeze Bottle	12/case
08230601	1 Gallon (3.8 liter) Jug	4/case
08230900	1 Quart (.9 liter) Squeeze Bottle, (Winter Grade)	12/case
08230901	1 Gallon (3.8 liter) Jug, (Winter Grade)	4/case

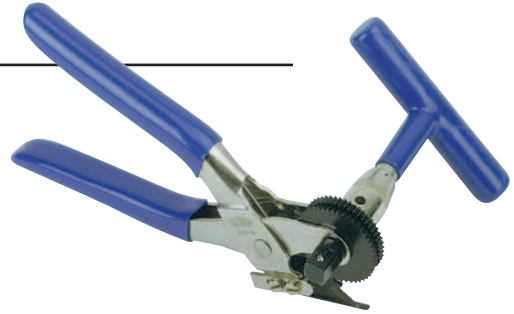
### POLYWATER® PRELUBE 2000™ RECOMMENDED USAGE QUANTITY

Duct Size	Lubricant Quantity	
	Per 1,000 Feet	Per Kilometer
1 inch	3 fl. oz.	300 ml
1.25 inch	4 fl. oz.	400 ml
1.5 inch	5 fl. oz.	500 ml
2 inch	6 fl. oz.	600 ml

**CABLE JACKET SLITTER**

This popular tool makes quick, safe work of removing sheath and turnplate from communication cables. With a turn of the handle, the toothed wheel pulls the tool forward while the angled blade makes a clean cut. Blade guard protects conductors from damage. Also excellent for slitting innerduct. Minimum cable diameter 1" (25mm).

Part Number	Description
08012900	Cable Jacket Slitter
08012901	Replacement Blade



**TURBOSLITTER™**

The TurboSlitter from Condux can easily split HDPE pipe with wall thicknesses ranging from 0.097 to 0.216 inches! The unit quickly adjusts to fit almost any rechargeable drill, 14-volt and larger. Save time and effort on the job with the TurboSlitter from Condux.

Part Number	Description
08010210	Pneumatic Duct Slitter
08010220	Duct Slitter Drill Attachment
08010203	Replacement Blades



**TRIPLE SHUTTLES**

These unique, flexible shuttles in a triple parachute configuration make installing rope; pull tape or fiber cable in occupied duct a breeze.

Part Number	Description
08761868	SHUTTLE,CABLE 1.00/1.25 DUCT
08761869	SHUTTLE,CABLE 1.50/2.00 DUCT

**PVC & POLYETHYLENE CUTTER**

Razor sharp cutting blade makes a fast, clean, burr-free cut in PVC and polyethylene. Ratcheting handle provides for secure, steady cutting action, Reduces cutting and preparation time.



Part Number	Description
08948050	Small diameter-upto 1-1/4" (32mm) conduit with 1-1/2" (38mm) OD
08948070	Large diameter-upto 2" (51mm) conduit with 2-3/8" (60mm) OD
08948051	Replacement Blade Small Cutter
08948071	Replacement Blade Large Cutter

# Warranty Information

6.

Condux International, Incorporated extends the following warranty to the original purchaser of these goods for use, subject to the qualifications indicated:

Condux International, Incorporated warrants to the original purchaser for use that the goods or any component thereof manufactured by Condux International will be free from defects in workmanship for a period of 1 year from the date of purchase, provided such goods are installed, maintained, and used in accordance with Condux's written instructions.

Components not manufactured by Condux International but used within the assembly provided by Condux International are subject to the warranty period as specified by the individual manufacturer of said component, provided such goods are installed, maintained, and used in accordance with Condux's and the original manufacturer's written instructions.

Condux's sole liability and the purchaser's sole remedy for a failure of goods under this limited warranty, and for any and all claims arising out of the purchase and use of goods, shall be limited to the repair or replacement of the goods that do not conform to this warranty.

To obtain repair or replacement service under the limited warranty, the purchaser must contact the factory for a Return Material Authorization (RMA). Once obtained, send the RMA along with the defective part or goods, transportation prepaid, to:

Condux International, Inc.  
145 Kingswood Drive  
Mankato, MN 56001 USA

THERE ARE NO EXPRESS WARRANTIES COVERING THESE GOODS OTHER THAN AS SET FORTH ABOVE. THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE ARE LIMITED IN DURATION TO ONE YEAR FROM DATE OF PURCHASE.

CONDUX ASSUMES NO LIABILITY IN CONNECTION WITH THE INSTALLATION OR USE OF THIS PRODUCT, EXCEPT AS STATED IN THIS LIMITED WARRANTY, CONDUX WILL IN NO EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES



**Condux International, Inc.**

P.O. Box 247 • 145 Kingswood Drive, Mankato, MN 56002-0247 USA  
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