



CHERNE INDUSTRIES INC.  
 5700 LINCOLN DRIVE  
 MINNEAPOLIS, MN 55436

1-800-THE PLUG  
 (1-800-843-7584)  
 FAX: 1-800-843-7585  
 www.cherneind.com

# INSTRUCTIONS

FOR REPLACEMENT OF FIELD REPAIRABLE RUPTURE DISC  
 FOR ALL CHERNE LARGE MULTI-SIZE PNEUMATIC PLUGS.

These instructions apply to the plugs listed in the table below and to the corresponding rupture disc replacement kit. This table also serves as selection guide for rupture disc replacement kit.

	<b>RUPTURE DISC REPLACEMENT KIT PART NUMBER</b>		
	<b>240-008</b>	<b>240-068</b>	<b>220-028</b>
<b>PLUG PART NUMBER</b>	310-408	312-408	310-728
	310-488	314-408	314-728
	310-608	316-408	316-728
	310-600	314-488	318-728
	317-408	316-488	317-728
	317-488	314-608	310-968
	317-608	314-600	314-968
	317-600	316-600	316-968
	410-308	412-308	319-968
	410-428	414-308	317-968
	410-608	414-428	
	417-308	414-608	
	417-428		
	417-608		



CHERNE INDUSTRIES INC.  
5700 LINCOLN DRIVE  
MINNEAPOLIS, MN 55436

1-800-THE PLUG  
(1-800-843-7584)  
FAX: 1-800-843-7585  
www.cherneind.com

## INTRODUCTION:

Cherne's large diameter pipe plugs are equipped with our patented rupture disc technology to help prevent over-inflation and safeguard users while protecting plugs from damage. If a rupture disc needs replacement, it should only be done with our factory authorized replacement kit. Contact our Customer Service at 1-800-843-7584 for assistance.

## PACKING LIST:

Inspect this product immediately upon arrival. If anything is damaged, notify the carrier immediately to process the damage claim. The carrier is not liable for damage claims if they aren't notified promptly.

Make sure that all items are accounted for when unpacking this product. Refer to the parts list below to identify the components.

ITEM NUMBER	PART NUMBER	DESCRIPTION	RUPTURE DISC KIT PART NUMBER		
			240-008	240-068	220-028
1	065-298	Rupture Disc Assembly	1	-	-
2	065-308	Rupture Disc Assembly	-	1	-
3	069-798	Rupture Disc Assembly	-	-	1
4	067-468	This Instruction Manual	1	1	1
5	065-278	Rupture Disc Warning Tag	-	1	1
6	026-768	Ferrule	-	1	1
7	026-758	Cable	-	1	1
8	038-468	Small Gasket	1	-	-
9	036-288	Large Gasket	1	-	-
10	071-138	Adapter 1/2" to 3/4" Left Hand Thread	-	1	-
11	071-148	Adapter 3/4" to 1" Left Hand Thread	-	-	1
12	071-158	1" Left Hand Thread Plug	-	-	1

## INSTALLATION INSTRUCTIONS:

### CAUTION:

1. Prior to using plugs you must read the warnings and precautions in the SAFETY INSTRUCTION AND DATA BOOKLET provided with the plug. You can get additional safety booklets at no charge by calling Customer Service at 1-800-843-7584.
2. DO NOT put fingers or any foreign objects inside the rupture disc assembly as this will cause damage to the sensitive graphite disc and make it unusable.



CHERNE INDUSTRIES INC.  
5700 LINCOLN DRIVE  
MINNEAPOLIS, MN 55436

1-800-THE PLUG  
(1-800-843-7584)  
FAX: 1-800-843-7585  
www.cherneind.com

### A. Instruction for Installing 240-008 (refer following pages for other kits)

1. Remove four bolts that secure the small center plate housing the rupture disc assembly (refer to Figure A1).
2. Remove damaged rupture disc assembly from back of the center plate (refer Figure A2) using large pipe wrench or 1-13/16" open end wrench and turning clockwise (Caution: LEFT HAND THREAD!!! must turn clockwise to remove).
3. Must use PTFE tape or pipe sealant before installing new rupture disc to prevent any LEAKAGE OR SEIZING OF THREADS.
4. Install new rupture disc assembly by turning it counter-clockwise until hand tight. Then one additional quarter turn using pipe wrench or 1-13/16" open end wrench (Caution: LEFT HAND THREAD!!! must turn counter-clockwise to install).
5. Choose appropriate size gasket (item number 8 or 9) based on center plate size and position it over bolt holes. Align center plate and install four bolts.

Center Plate



Figure A1 Test-Ball® (Left) and Air-Loc® (Right) with Center Plate Housing RPD



Figure A2 Back View of Center Plate Housing RPD



CHERNE INDUSTRIES INC.  
5700 LINCOLN DRIVE  
MINNEAPOLIS, MN 55436

1-800-THE PLUG  
(1-800-843-7584)  
FAX: 1-800-843-7585  
www.cherneind.com

## B. Instruction for Installing 240-068

1. Remove damaged rupture disc assembly using large pipe wrench or 1-13/16" open end wrench and turning clockwise (Caution: LEFT HAND THREAD!!! must turn clockwise to remove). Go to step 3 if you have a new style plug similar to shown in figure B1 otherwise go to step 2 for old style plugs (refer to Figure B2).
2. Using PTFE tape or pipe sealant on thread, install 1/2" to 3/4" adapter (item 10) by turning counter-clockwise on the nipple from where damaged rupture disc was removed. Tighten with pipe wrench (Caution: LEFT HAND THREAD!!! must turn counter-clockwise to install).
3. Must use PTFE tape or pipe sealant before installing new rupture disc to prevent any LEAKAGE OR SEIZING OF THREADS.
4. Install new rupture disc assembly by turning it counter-clockwise until hand tight. Then one additional quarter turn using pipe wrench or 1-13/16" open end wrench (Caution: LEFT HAND THREAD!!! must turn counter-clockwise to install).

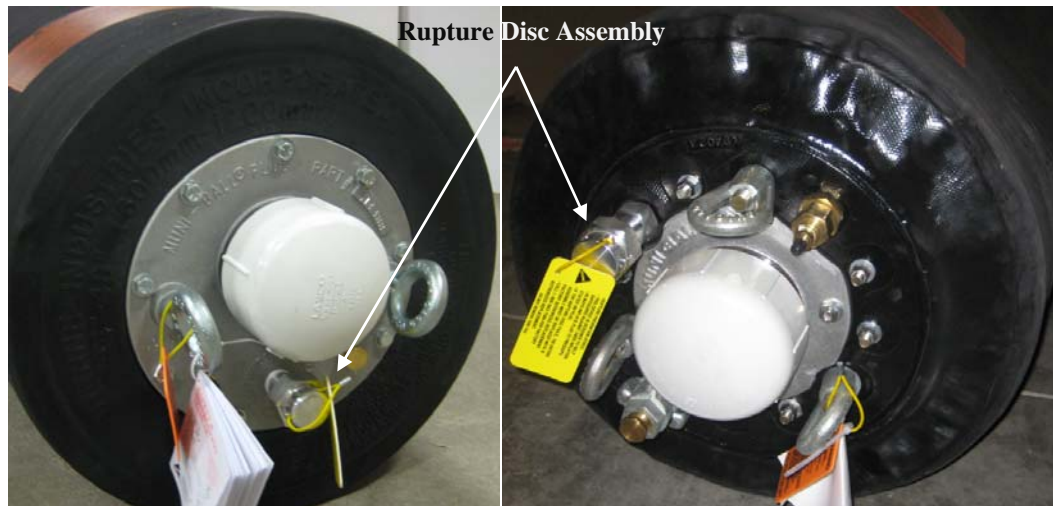


Figure B1 New Style Muni-Ball®

Figure B2 Old Style Muni-Ball®

## C. Instruction for Installing 220-028

1. Remove damaged rupture disc assembly using large pipe wrench or 1-13/16" open end wrench and turning clockwise (Caution: LEFT HAND THREAD!!! must turn clockwise to remove).



2. Determine type of plug from pictures below. New style plugs as shown in figure C1, go to step 4. For old style Test-Ball<sup>®</sup>, follow steps listed in figure C2 and then go to step 3 below (Caution: should follow all steps in figure C2). For old style Muni-Ball<sup>®</sup> (refer to figure C3) follow all steps below.
3. Using PTFE tape or pipe sealant on thread, install 3/4" to 1" adapter (item 11) by turning counter-clockwise on the nipple shown in figure C2 & C3. Tighten with pipe wrench (Caution: LEFT HAND THREAD!!! must turn counter-clockwise to install).
4. Must use PTFE tape or pipe sealant before installing new rupture disc to prevent any LEAKAGE OR SEIZING OF THREADS.
5. Install new rupture disc assembly by turning it counter-clockwise until hand tight. Then one additional quarter turn using pipe wrench or 1-13/16" open end wrench (Caution: LEFT HAND THREAD!!! must turn counter-clockwise to install).

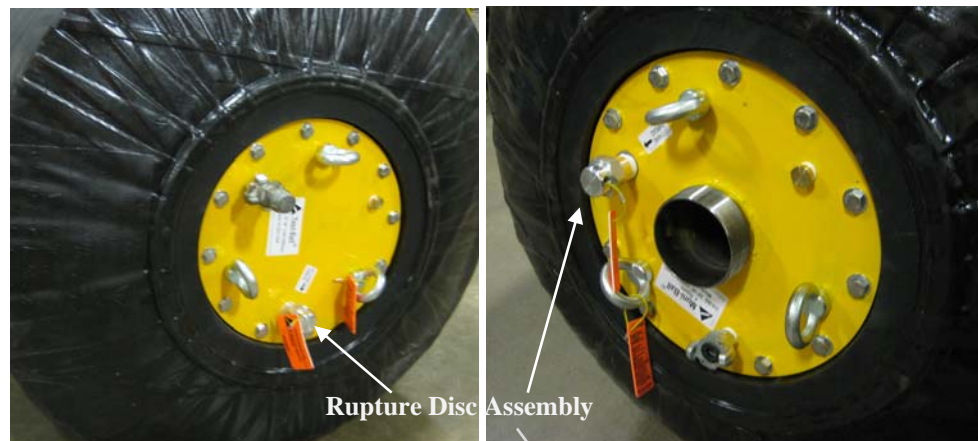


Figure C1 New Style Large Size Plugs with Rupture Disc Assembly

- Remove cover plate & take out damaged rupture disc from back of the plate
- Remove pipe plug from the back of this nipple
- Install provided left hand thread pipe plug (item 12) from where damaged rupture disc was replaced.**

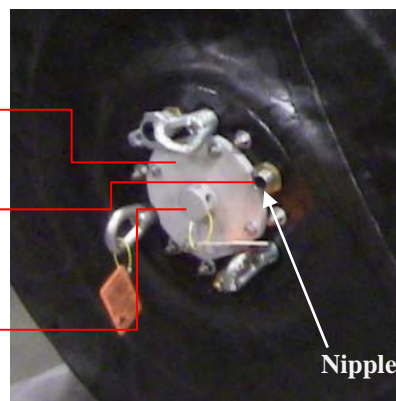


Figure C2 Old Style Test-Ball<sup>®</sup>



Figure C3 Old Style Muni-Ball<sup>®</sup>



CHERNE INDUSTRIES INC.  
5700 LINCOLN DRIVE  
MINNEAPOLIS, MN 55436

1-800-THE PLUG  
(1-800-843-7584)  
FAX: 1-800-843-7585  
www.cherneind.com

## LIMITED WARRANTY

Manufacturer warrants all products manufactured by it will be free from defects in material and workmanship for one (1) year following the date of manufacture. If any of the goods are found to be defective, such goods will, at manufacturer's option be replaced or repaired at manufacturer's cost. The parties hereto expressly agree that buyer's sole and exclusive remedy against the manufacturer shall be for the repair or replacement of defective goods as provided herein. (The sole purpose of the stipulated exclusive remedy shall be to provide the buyer with free repair and replacement of defective goods in the manner provided herein. The exclusive remedy shall not be deemed to have failed of its essential purpose so long as the manufacturer is willing and able to repair or replace defective goods in the prescribed manner.) Goods which may be sold by manufacturer but are not manufactured by it are not warranted by manufacturer, but are sold only with the warranties, if any, of the original manufacturers thereof. (This warranty does not cover labor or other costs or expenses to remove or install any defective, repaired or replaced goods.) Manufacturer's warranty does not apply to any goods which have been subjected to misuse, mishandling, misapplication, neglect (including but not limited to use of unauthorized parts or attachments), or adjustment or repair performed by anyone other than manufacturer or one of manufacturer's authorized agents.

Any claim by buyer with reference to the goods sold hereunder shall be deemed waived by the buyer unless submitted in writing to manufacturer within the earlier of (1) thirty (30) days following the date buyer discovered or by reasonable inspection should have discovered, any claimed breach of the foregoing warranty, or (2) thirteen (13) months following the date of manufacture. Any cause of action for breach of the foregoing warranty shall be brought within one year from the date the alleged breach was discovered or should have been discovered, whichever comes first.

**LIMITATION OF LIABILITY.** Manufacturer's liability (whether under the theories of breach of contract or warranty, negligence, or strict liability) for its goods shall be limited to repairing or replacing parts found by the manufacturer to be defective, or at manufacturer's option, to refunding the purchase price of such goods or parts thereof.

**DISCLAIMER OF CONSEQUENTIAL DAMAGES.** In no event shall manufacturer be liable for consequential damages arising out of or in connection with this agreement, including without limitation breach of any obligation imposed on manufacturer hereunder or in connection herewith. Consequential damages for purposes hereof shall include, without limitation (including death) to any person, or loss of or damage to property (including without limitation property handled or processed by the use of goods). Buyer shall indemnify manufacturer against all liability, cost or expense which may be sustained by manufacturer on account of any such loss, damage or injury.

**DEFECTIVE PRODUCTS POLICY.** To obtain performance under this warranty, any product suspected of having a manufacturing defect in materials or workmanship at manufacturers request must be returned to CHERNE INDUSTRIES INCORPORATED, freight prepaid, for inspection. A returned goods authorization must be obtained before shipping any product back to CHERNE. Call 1-800-843-7584 and ask for customer service.

**CUSTOMER TRANSPORTATION REIMBURSEMENT.** Whenever CHERNE repairs or replaces a product at CHERNE'S expense CHERNE will reimburse the distributor by credit memo, the same surface freight amount it cost CHERNE to return the warranty items.

The foregoing warranty is in lieu of all other warranties express or implied, including those of merchantability or fitness for any purpose not expressly set forth herein. No affirmation of manufacturer, by words or action, other than as set forth in this language shall constitute a warranty.

FORM 067-468,REV C 09-7897  
©2010 Cherne Industries Incorporated  
All Rights Reserved