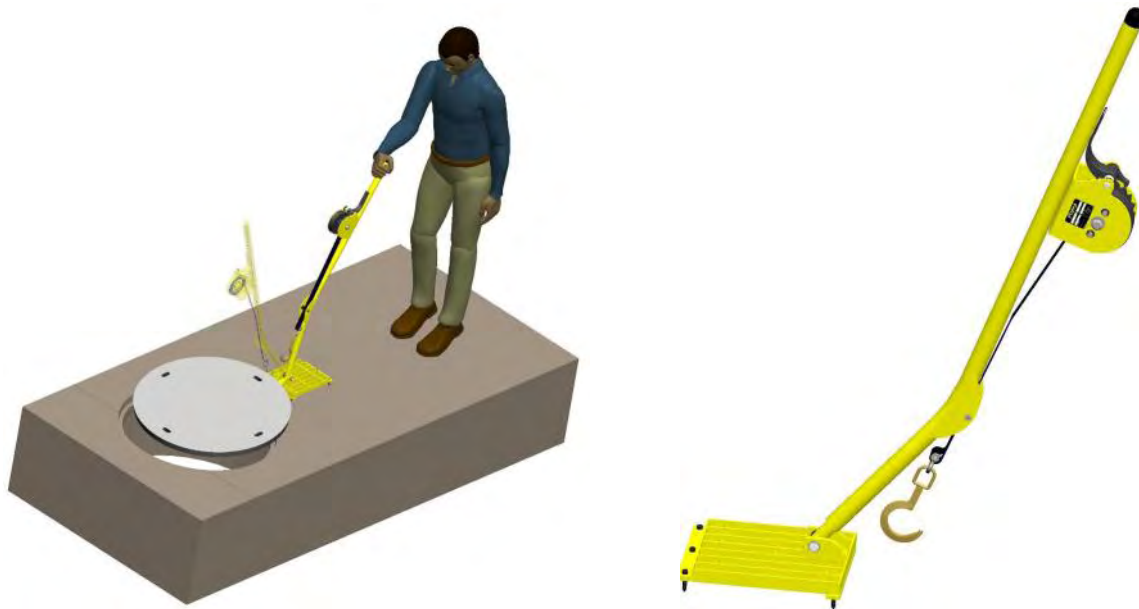


XTIRPA

INSTRUCTION AND SAFETY MANUAL XTIRPA™ RATCHET MANHOLE COVER LIFTER IN-2071

XTIRPA™



Innova
Produits de Services Publics - Public Utility Products inc.

TO BE READ AND UNDERSTOOD BY USER PRIOR TO EACH USE

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Tel (450) 777-1240 Fax (450) 372-9936 www.xtirpa.com

INTRODUCTION

WARNING

The user must read, understand and follow the Manufacturer's instructions. These instructions must be provided to the user of the **XTIRPA™** Ratchet manhole cover lifter. The user must read and understand these instructions before using the **XTIRPA™** Ratchet manhole Cover lifter. Manufacturer's instructions must be followed for proper use and maintenance of this product. Alterations or misuse of the **XTIRPA™** Ratchet manhole cover lifter or of any component or part thereof or failure to follow instructions may result in serious injury or death, for which the Manufacturer disclaims all warranties and liabilities whatsoever, user, owner and purchaser of the **XTIRPA™** Ratchet manhole cover lifter waiving all claims, rights and recourses against Manufacturer and derived there from.

The **XTIRPA™** Ratchet Manhole Cover Lifter was designed for easy handling of manhole covers. Light and durable the unit will offer an ergonomic and safe way of lifting the toughest lids without strain. The ratchet system allows you to always work in an ergonomic position.

Always keep this Instruction and safety manual available to any worker needing to use the **XTIRPA™** Ratchet manhole cover lifter.

Keep instructional and safety labels apposed on the **XTIRPA™** System and components and parts thereof clean and legible at all times. Clean or replace if required.. New labels can be obtained upon demand.

Establish an inspection program for the **XTIRPA™** System in order to assure a safe working procedure. Always inspect the **XTIRPA™** System before each use and at least once a month.

The **XTIRPA™** System and its components and parts have labels indicating the maximum capacity. Exceeding said maximum capacity may result not only in damages to the **XTIRPA™** System or components or parts thereof but also in serious injury or death, for which Manufacturer disclaims all warranties and liabilities whatsoever, user, owner and purchaser of the **XTIRPA™** System waiving all claims, rights and recourses against Manufacturer derived there from.

The **XTIRPA™** Ratchet manhole cover lifter, IN-2071 conforms to document number MU2071-002ANG Rev1 2016.

CAPACITY : The maximum working load for this product is 250 lbs(113kg).

PRECAUTIONS : Take the necessary precautions to limit injuries to the user and risks of damaging the **XTIRPA™** System.

WARNING: Equipment shall not be used past their capacity, or in any other applications for which the equipment was not designed for, and wear appropriate safety equipment.

Always use a Manhole Guard in order to secure work area.

Remove the **XTIRPA™** System from service if a problem, unsafe or defective condition is found during the inspection. Return to an authorized service center or Manufacturer for service.

WARNING: Use proper hook in order to avoid injuries.

WARRANTY

The **XTIRPA™** System offered by Manufacturer, INNOVA Public Utility Products Inc., is warranted against manufacturing defects in workmanship and materials for a period of two (2) years from the date of shipment, which warranty only covers the original purchaser of the **XTIRPA™** System. Manufacturer will promptly repair or replace all components or parts found to be defective, Manufacturer reserving the right to elect to have any alleged defective part returned to its plant for inspection before making a repair or replacement. Only components or parts found to be defective by Manufacturer, at its sole discretion and upon any inspection requested and performed by Manufacturer, will either be repaired or replaced by Manufacturer, at its sole choice.

All claims must be forwarded in writing to Manufacturer, immediately upon discovery by owner, and must be accompanied by a copy of the proof of purchase of the original purchaser. Manufacturer will issue a claim's number and give specific instructions to be followed as to claim's procedures and return of the defective part, if so requested by Manufacturer. Owner will collaborate with Manufacturer and its representatives to allow inspection of any alleged defective part. All shipping costs to return defective components and parts to Manufacturer's plant are payable by owner, the cost of reshipping replacement components or parts being covered by Manufacturer.

This warranty does not cover equipment damages resulting from any other cause than a manufacturing defect in workmanship or materials, including, without limitation, damages resulting from abuse, lack of maintenance, improper handling or storage, voluntary damages, vandalism, accidental damages or damages resulting from impact or collision, damage in transit, damages caused by fire, explosion, chemical, toxic or corrosive vapors, substances or environments, water, normal corrosion and rust, storms, hail, and other acts of God, war insurrection, acts of terrorism or other damage beyond the control of Manufacturer. This warranty applies only to the original purchaser and is the only one applicable to the **XTIRPA™** System, and is in lieu of all other warranties, expressed or implied. Without limiting the generality of the foregoing, Manufacturer will not be liable nor responsible for any other cost, damages or claims whatsoever, including for any special, incidental, indirect, or consequential damages whatsoever such as, but not limited to, damages for loss of profits or expected revenues, for business interruption, for personal injury, for failure to meet any duty including of good faith or of reasonable care, for negligence, and for any other pecuniary or other loss whatsoever, arising out of or in any way related to the use of or inability to use the **XTIRPA™** System, even in the event of the fault, tort (including negligence), strict liability, breach of contract or breach of warranty, even if Manufacturer has been advised of the possibility of such damages. Manufacturer hereby disclaims all other warranties and conditions, either express, implied or statutory, including, but not limited to, any implied warranties or conditions of merchantability, of fitness for a particular purpose or application, and of lack of negligence or lack of workmanlike effort.

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XTIRPA™ SYSTEM DESCRIPTION

WARNING

The XTIRPA™ System is part of a safe working method for removing and installing a manhole cover on and off its resting location. The user must read, understand and follow Manufacturer's instructions for each component or part of the complete XTIRPA™ System. These instructions must be provided to the user of the XTIRPA™ System. The user must read and understand these instructions before using the XTIRPA™ System. Manufacturer's instructions must be followed for proper use and maintenance of the XTIRPA™ System. Alterations or misuse of the XTIRPA™ System or failure to follow instructions may result in serious injury or death, for which Manufacturer disclaims all warranties and liabilities whatsoever, user, owner and purchaser of the XTIRPA™ System waiving all claims, rights and recourses against Manufacturer and derived there from.

DESCRIPTIONS

XTIRPA™ RATCHET MANHOLE COVER LIFTER:

IN-2071 (see illustration 1)

Illustration 1: IN-2071



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OPERATION, AND USE
XTIRPA™ Ratchet Manhole Cover Lifter

OPERATING AND USE OF RATCHET MANHOLE COVER LIFTER

1. Before you remove the lid from its seat, make you secure your working area using a manhole guard. Ensure use of proper hook.



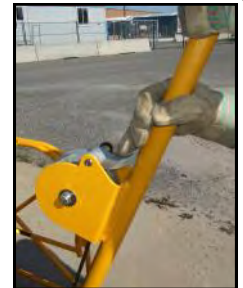
2. Insert the hook of the cover lifter into hole of the lid (A), Ensure that the grid base of the unit is well positioned to the lid 2" - 3" (50mm-76mm) and that the handle is in a vertical position right over the lid (B).



3. Securing the grid base of the cover lifter plate with your foot lift the lid of its seat.



4. Once the lid is raised, pull the curved handle to release strap locking mechanism and move the unit away from the lid.



5. Once the unit is backed off (A) Secure grid plate of cover lifter with your foot and pull towards you making sure to keep an ergonomic position (B). Repeat step 4 until the lid is completely away from the manhole (C).



6. In order to replace the lid back on manhole, reverse the operations. Insert hook into opening of the lid (A) pull curved handle to release the strap locking mechanism (B) and back away from the opening (C).



7. Secure the unit with foot on grid plate. Position manhole cover lifter close to the opening and use ratchet mechanism in order to replace the lid over the manhole.



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MAINTENANCE, SERVICING, STORAGE XTIRPA™ Ratchet Manhole Cover Lifter

STRAP REPLACEMENT AND STRAP RE-TENSIONING STEPS FOR THE RATCHET MANHOLE COVER LIFTER.

FOR RE-TENSIONING GO TO STEP 6

1. Use a clamp to hold the handle lever in a disengaged position.



2. Remove the hook by unscrewing the shackle bolt.



3. Pull the strap under the roller and manually unroll the strap off the arbor without turning the mechanism.



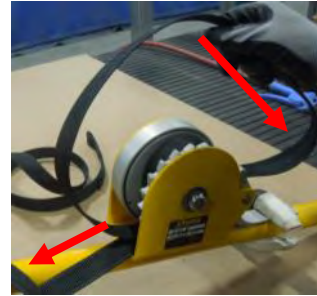
4. Remove the strap by removing the arbor mounting screw.



5. Install the new strap (without the shackle) with the arbor mounting screw.



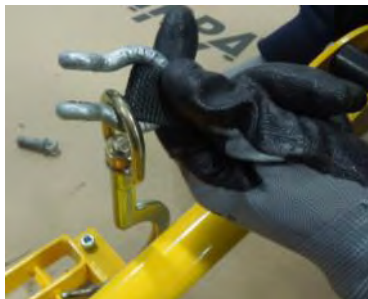
6. Manually rewind the new strap around the arbor without turning the mechanism.



7. Once all the strap is wound on the arbor, pull the strap 53 inches from the arbor and remove the clamp to lock the mechanism. Rewind the extra 53 inches around the arbor. This step will pre-compress the spring.



8. Unlock the mechanism with the clamp. Pull the strap and pass it under the roller. Install the shackle and the hook. Use pliers to tighten the bolt of the shackle. Check the spring tension by pulling out the hook. The spring shall return the hook and the shackle gently against the roller. If it's not, repeat step 6.



9. Remove the clamp that holds the handle lever.



PRODUCT: _____

Purchasing Date: _____

Model number: _____ Serial number: _____

Manufacturing Date: _____

Date of next inspection: _____ Date of 1st use: _____

Inspection date:	LABELS	CORROSION	STRUCTURAL DAMAGE	WELDING	PINS & HARDWARE	OTHER (SPECIFY)	CORRECTIVE ACTION TAKEN (IF REQUIRED)	INSPECTED BY:
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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
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COMMENTS: _____

*Any failure to follow the Manufacturer's instructions contained in the Instruction and safety manual, including with regard to the inspection and maintenance of the XTIRPA™ system and of components and parts there of, will cause warranty to become null and void and may result in serious injury or death of the user, for which the Manufacturer disclaims all warranties and liabilities whatsoever, user, owner and purchaser of the XTIRPA™ system waiving all claims, rights and recourses against Manufacturer and derived there from.



Registration Limited Warranty Form



This warranty applies only to the original purchaser and is the only one applicable to the Xtirpa System, and is in lieu of all other warranties, expressed or implied. The purchaser has to complete and return to INNOVA Public Utility Products Inc., all information within thirty days of purchase. Otherwise limited warranty will be void, if the product is not registered.

Register Now: Mail or fax this registration form or visit our web site and register online.

Mail: INNOVA Public Utility Products Inc., 1040, boul. Industriel, Granby J2J 1A4

Fax: (450) 372-9936

Web site: WWW.XTIRPA.COM



Model number: _____

Purchasing Date: _____

Serial number: _____

Manufacturing Date: _____

CUSTOMER / USER INFORMATION

Company: _____

Phone: _____

Street Address: _____

Fax: _____

City: _____

E-Mail: _____

State: _____

Zip: _____

Name: _____

Position: _____

Do you wish to be on Innova's mailing list

for new product literature: Yes

No

*Any failure to follow the Manufacturer's instructions contained in the Instruction and safety manual, including with regard to the inspection and maintenance of the XTIRPA TM system and of components and parts there of, will cause warranty to become null and void and may result in serious injury or death of the user, for which the Manufacturer disclaims all warranties and liabilities whatsoever, user, owner and purchaser of the XTIRPA TM system waiving all claims, rights and recourses against Manufacturer and derived there from.

Manufactured by: INNOVA Public Utility Products Inc.

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