

### SAVE THESE INSTRUCTIONS

*NOTE: Check all parts for shipping damage before using. In case of damage, DO NOT use the equipment. Contact your Dealer/Carrier for further instruction.*

### SAFETY SUMMARY

The following recommendations are made for the safe and proper installation and use of the Replacement Pumps Model No. 9099, NEW and Model No. 9099E, REMANUFACTURED:

#### GENERAL WARNING

DO NOT install or use this equipment without first reading and understanding this instruction sheet. If you are unable to understand the Warnings, Cautions and Instructions, contact a healthcare professional, dealer or technical personnel before attempting to install this equipment - otherwise, injury or damage may occur.

#### INSTALLATION WARNING

Any worn or damaged hardware must be replaced.

After ANY adjustments, repair or service and BEFORE use, make sure that all attaching hardware is tightened securely.

**Tools Required:** One (1) Adjustable Wrench  
One (1) 3/16-inch Allen Wrench  
One (1) 1/16-inch Allen Wrench

### REMOVING EXISTING PUMP

#### (FIGURE 1)

1. Loosen the allen set screw in the jam nut if present, then loosen the jam nut that secures the bottom of the existing pump assembly to the mounting bracket of the mast assembly.
2. Remove the allen head screw and locknut that secure the top of the existing pump assembly to the boom assembly.
3. Remove the existing pump assembly.

### INSTALLING REPLACEMENT PUMP (FIGURE 1)

1. Insert the bottom of the replacement pump assembly into the mounting bracket on the mast assembly and retighten the jam nut and allen setscrew, if present.

#### WARNING

Lift up on the replacement Pump Assembly to ensure that the jam nut is securely tightened to the mounting bracket on the mast assembly.

#### CAUTION

DO NOT overtighten allen head screw and locknut.

2. Insert the existing allen head screw through the boom lugs and the pump piston hole and securely tighten with existing locknut.

#### WARNING

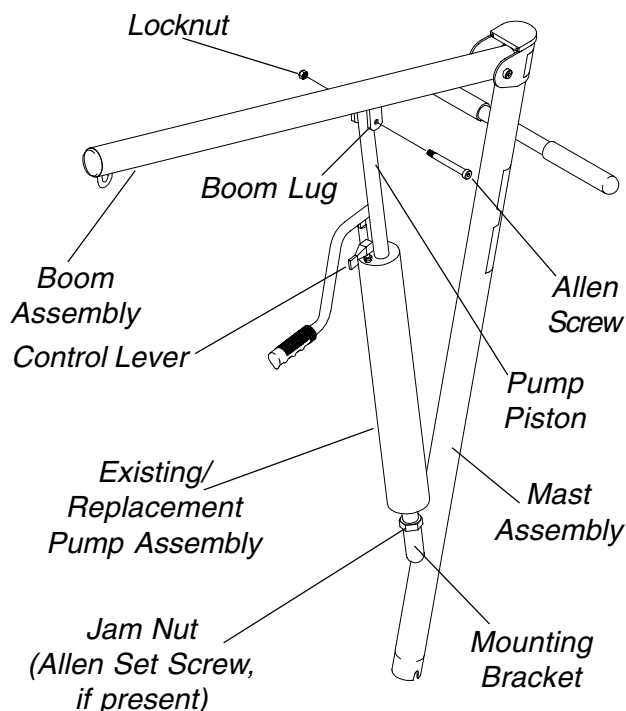
Before putting the Patient Lift back into service: Check and tighten ALL mounting hardware.

Cycle (pump all the way up and release) the Replacement Pump assembly two (2) times to bleed off any air that may be in the Replacement Pump assembly.

Test the Patient Lift after reassembly.

Place an Invacare sling and hardware over a chair and lift yourself, (service-person) until the sling is two (2) or three (3)-inches off the chair. Allow the Patient Lift to support the weight for approximately one (1) to two (2) minutes before releasing the Replacement Pump control lever.

Repeat this test two (2) times to ensure that the Patient Lift is working correctly. If the Patient Lift does NOT work properly, DO NOT use. Contact the Dealer or Invacare Technical Services, 1-800-832-4707.



**FIGURE 1 - REMOVING EXISTING/INSTALLING REPLACEMENT PUMP ASSEMBLIES**

# LIMITED WARRANTY

PLEASE NOTE: THE WARRANTY BELOW HAS BEEN DRAFTED TO COMPLY WITH FEDERAL LAW APPLICABLE TO PRODUCTS MANUFACTURED AFTER JULY 4, 1975.

This warranty is extended only to the original purchaser/user of our products.

This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

Invacare warrants the products manufactured to be free from defects in materials and workmanship for a period of one (1) year on the NEW pump and Ninety (90) days on the RECONDITIONED pump from the date of purchase. If within such warranty period any such product shall be proven to be defective, such product shall be repaired or replaced, at Invacare's option. This warranty does not include any labor or shipping charges incurred in replacement part installation or repair of any such product. Invacare's sole obligation and your exclusive remedy under this warranty shall be limited to such repair and/or replacement.

For warranty service, please contact the dealer from whom you purchased your Invacare product. In the event you do not receive satisfactory warranty service, please write directly to Invacare at the address on the bottom of this page, provide dealer's name, address, and the date of purchase, indicate nature of the defect.

Invacare Corporation will issue a serialized return authorization. The defective unit or parts **MUST** be returned for warranty inspection using the serial number, when applicable as identification within 30 days of return authorization date. Do not return products to our factory without our prior consent. C.O.D. shipments will be refused; please prepay shipping charges.

**LIMITATIONS AND EXCLUSIONS: THE FOREGOING WARRANTY SHALL NOT APPLY TO SERIAL NUMBERED PRODUCTS IF THE SERIAL NUMBER HAS BEEN REMOVED OR DEFACED, PRODUCTS SUBJECTED TO NEGLIGENCE, ACCIDENT, IMPROPER OPERATION, MAINTENANCE OR STORAGE, PRODUCTS MODIFIED WITHOUT INVACARE'S EXPRESS WRITTEN CONSENT (INCLUDING, BUT NOT LIMITED TO, MODIFICATION THROUGH THE USE UNAUTHORIZED PARTS OR ATTACHMENTS; PRODUCTS DAMAGED BY REASON OF REPAIRS MADE TO ANY COMPONENT WITHOUT THE SPECIFIC CONSENT OF INVACARE, OR TO A PRODUCT DAMAGED BY CIRCUMSTANCES BEYOND INVACARE'S CONTROL, AND SUCH EVALUATION WILL BE SOLELY DETERMINED BY INVACARE. THE WARRANTY SHALL NOT APPLY TO PROBLEMS ARISING FROM NORMAL WEAR OR FAILURE TO ADHERE TO THE FOLLOWING INSTRUCTIONS.**

**THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES. IMPLIED WARRANTIES, IF ANY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXTEND BEYOND THE DURATION OF THE EXPRESSED WARRANTY PROVIDED HEREIN AND THE REMEDY FOR VIOLATIONS OF ANY IMPLIED WARRANTY SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT PURSUANT TO THE TERMS CONTAINED HEREIN. INVACARE SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER.**

Some states DO NOT allow exclusion or limitation of incidental or consequential damage, or limitation on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you. Patient care products DO NOT include: Wheelchairs, CPM devices, oxygen concentrators, beds, mattresses or fitness equipment.

This warranty shall be extended to comply with state/provincial laws and requirements.

Invacare Corporation

[www.invacare.com](http://www.invacare.com)



**Yes, you can.™**

**USA**

One Invacare Way  
Elyria, Ohio USA  
44036-2125  
800-333-6900

**Canada**

5970 Chedworth Way  
Mississauga, Ontario  
L5R 3T9, Canada  
905-890-8838

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