



# DYNAPAC ROTATING COMPANY

You dream it, We rotate it

Chandelier Hoist System

## Maintenance Manual And Warranty



## DYNAPAC ROTATING CO., INC.

388 Hansen Ave  
Salt Lake City, Utah 84115  
[www.dynapacrotating.com](http://www.dynapacrotating.com)

### **For Technical Support:**

Email: [info@dynapacrotating.com](mailto:info@dynapacrotating.com)  
Toll Free (Inside USA): 800-657-2650  
Telephone: 801-485-2221  
Fax: 801-485-2254



# MAINTENANCE/INSPECTION INSTRUCTIONS

The following should be checked 30 days after installation, then every six months:

- ☐ **Mounting Hardware**
  - ☐ Check Winch, Aut-O-Loc, Cable Reel, Pulley System, and all structure hardware for tightness and unusual wear.
- ☐ **Electrical Connections (Disconnect power before checking)**
  - ☐ Check all wires, make sure none are loose, damaged or dangling.
- ☐ **Pulley System**
  - ☐ Check pulley fasteners for tightness.
  - ☐ Check for pulley alignment; pulleys should be in line with cable and winch system.
  - ☐ Check entire length of Steel Cable, Power Cord, and Aut-O-Loc strap for fraying or wear.
- ☐ **System Test Run - Run Winch System through entire travel while in ceiling and watch the following:**
  - ☐ Check Steel Cable, Power Cord, and Aut-O-Loc strap are tracking through pulleys correctly.
  - ☐ Check Steel Cable, Power Cord, and Aut-O-Loc strap are not rubbing on anything including each other.
  - ☐ Check winch motor for excessive vibration or noise.
  - ☐ Watch and be aware of where the chandelier is at all times while winch is running, especially near floor and ceiling.
  - ☐ Make sure chandelier does not touch ceiling.
  - ☐ Verify Up and Down Limits.



# WINCH AND AUT-O-LOC MAINTENANCE

The following should be checked 30 days after installation, then every six months:

## Aut-O-Loc Maintenance

- ☐ **Make sure the straps are attached to the backstop structure using the equipment manufacturer's recommended method.**
- ☐ **Pull-test all your safety straps to verify they are functioning properly. Every strap should lock and release when quickly pulled and released by hand. If any of your straps do not pass this test replace them immediately.**
- ☐ **Look for frayed or wavy safety strap belts and replace these units immediately.**
- ☐ **Watch for slack in the safety belt at any point during or after the raising and lowering of your equipment. These units should be checked for proper installation and replaced if needed.**
- ☐ **Check to make sure the safety strap is routed properly in order to perform its function.**
- ☐ **Consult your records or contact the manufacturer to determine the age of your safety straps. If they are ten years or older, you should replace with the latest technology.**
- ☐ **Observe the belt entering the housing while moving the equipment to make sure the fleet angle is not allowing the belt to rub against the side of the housing.**

## Winch Maintenance

- ☐ **Check the cable wrap on the hoist drum and make sure it has at least three full wraps of cable on the drum when the equipment is at its lowered position.**
- ☐ **Make sure the cable is wrapped on the drum in the proper direction on the grooved drum of the hoist. If the cable crosses a groove on the cable drum or crosses itself it should be replaced.**
- ☐ **All connection hardware for the hoist and pulleys should be tightened to the manufacturer's suggested torque setting.**
- ☐ **Assure the cable never rubs on any structure during the movement of the equipment.**
- ☐ **Check limit switch settings to avoid excessive cable slack and maintain as per the manufacturer's recommendations.**
- ☐ **Replace cables at least every two years depending on use. If you have an old hoist without a grooved drum, you will need to replace the cable much more frequently. A hoist without a grooved drum and cable control can negatively affect limit switch settings every time it is operated.**
- ☐ **Check the security and installation of all cable connections.**
- ☐ **Inspect all pulleys for wear and lubricate as recommended by the manufacturer.**

This inspection guide should not be considered a warranty or guarantee that unforeseen issues will not occur for any time period after said inspection.



# CABLE REEL MAINTENANCE

The following should be checked 30 days after installation, then every six months:

## 4.0 Maintenance

### 4.1 WARNING: Be sure power is off for maintenance.

### 4.2 Lubrication

4.2.1 All components requiring lubrication are lubricated for life at the factory. Additional lubrication is not required.

4.2.2 Do not apply any lubricants or solvent cleaning agents to slip ring, brush or insulator surfaces.

### 4.3 Inspections

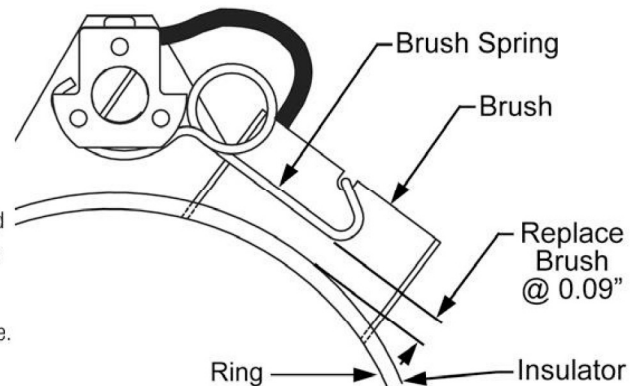
4.3.1 Periodically check the reel for any loose or missing fasteners. Tighten or replace as necessary.

4.3.2 The slip ring assembly should be checked periodically as follows:

4.3.2.1 Clean to remove dust and dirt from the slip ring housing area and all slip ring assembly and brush surfaces.

4.3.2.2 Brushes should be centered on slip rings and brush springs should be seated in terminal post grooves. Terminal screw connections should be tight. Check for excessive brush wear. Replace brushes as necessary.

4.3.3 Inspect cable for damage or wear which would make it unsafe to use.





# WARRANTY INFORMATION

We warrant that we will repair or exchange, at our option, any defective part or parts being defective in material or workmanship within one (1) year from the date of original installation. To be effective the part or parts must be returned within thirty (30) days of removal from the installation described below, and the faulty part or parts must be determined to be defective by our examination.

This warranty does not apply to the Rotator Unit or any part thereof which has been subjected to improper installation, accident, alteration, abuse, misuse, damage caused by flood, fire, or act of God, or which has been used on circuits, voltages, or frequencies, other than indicated on the model's name plate. This Warranty does not extend to trade accessories furnished as a part of the equipment and not of DYNAPAC'S manufacture, these being subject to the warranties, if any, of their respective manufacturers.

The purchaser-user of this equipment agrees to assume all liability for consequences of its' use or misuse by such purchaser-user, his employees or agents, or other third persons. Our responsibility under this Warranty ends if changes are made in the unit; if the serial number on the name plate is altered, mutilated or removed; or if parts or devices not of our manufacture are added to the winch mechanism.

In order to obtain the benefits of this Warranty, the owner shall, at his own risk and expense, return the product or the defective part or parts to the factory with transportation charges prepaid. All replacements shall be Ex Works our factory, and we shall not be liable for drayage or labor costs.

This Warranty is in lieu of all other warranties, expressed or implied, and of all other obligations or liabilities on our part, and we neither assume nor authorize any person to assume for us any other obligation or liability in connection with the sale of this product.

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