

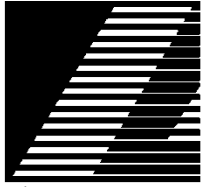
# **ADVANCE LIFTS**

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*PM/TM Turntable Owner's Manual*

**CAUTION!**

**THIS MANUAL IS AN IMPORTANT DOCUMENT  
IT SHOULD BE KEPT WITH THE MACHINE OR  
LOCATED WHERE READILY AVAILABLE TO  
OPERATORS AND MAINTENANCE PERSONNEL  
FOR REFERENCE PURPOSES.**



# **ADVANCE LIFTS**

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**Installation, Operation and Maintenance  
Manual for the Following Equipment:**

All PM & TM Series Lifts

This manual contains specific information for your equipment, see options on P 2-1.  
In any correspondence with your distributor, you will need the following information:

Model Number \_\_\_\_\_ Serial Number \_\_\_\_\_

Installation location: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Distributor Information: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Advance Lifts, Inc.**  
**701 S. Kirk Road**  
**St. Charles, IL 60174-3428**  
**Toll Free 1-800-843-3625**  
**Sales Fax 1-630-584-9405**  
**Parts and Service Fax 1-630-584-6837**  
**E-mail: [Parts@advancelifts.com](mailto:Parts@advancelifts.com)**

\*Advance Lifts, Inc. furnishes one manual with each unit. Additional manuals are available for \$25.00 each.

## SECTION 2. INDEX & INTRODUCTION

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<b>*Mandatory reading before attempting installation and operation.</b>	

### INTRODUCTION

Congratulations, the equipment that you have purchased is of the highest quality. Your Advance Lift Turntable unit will provide you with many years of trouble free service in return for the minimal maintenance described in this manual.

Please be sure that no individual is allowed to operate the unit until they have been fully familiarized with the operation instructions in this manual. Also insure that at least one person at the unit site is familiar with the maintenance section of this manual and is assigned responsibility for doing maintenance on a regular basis.

Please note that the unit has a mylar nameplate attached to it which contains information such as the model number, capacities, and serial number. **Do not remove name tag.** Be sure that no operator exceeds the capacities shown on the nameplate or they may cause damage to the unit or injure personnel.

Also, be sure to have the serial number of the unit handy if you have to call the factory. That number identifies your specific unit, and will allow the factory personnel to give you the most thorough and timely assistance possible.

This manual is under constant review and we would appreciate any constructive suggestions that may enhance its usefulness. Please send your suggestions to Advance Lifts, Inc. Attn: Engineering Dept.

Thank you for purchasing our product.

## SECTION 3. RESPONSIBILITIES OF OWNERS & USERS

**Inspection and Maintenance:** The unit shall be inspected and maintained in proper working order in accordance with this manual and safe operating practice.

**Removal from Service:** Any unit not in safe operating condition shall be removed from service until it is repaired to the original manufacturer's standards.

**Repairs:** All repairs shall be made by authorized personnel in conformance with the manufacturer's instructions.

**Operators:** Only trained and authorized personnel shall be permitted to operate the unit. They must understand to be alert to safety hazards during all operations.

**Before Operation:** Before using the unit, the operator shall have:

1. Read and understood the manufacturer's operating instructions and safety rules, or have been trained by a qualified person.
2. Inspected the unit for proper operation and condition. Any suspect item shall be carefully examined and a determination made by a qualified person as to whether it constitutes a safety hazard. All unsafe items shall be corrected before further use of the unit.

**During Operation:** The unit shall only be used in accordance with its intended use and within the manufacturer's limitations and safety rules:

1. Do not overload the unit.
2. Insure that all safety devices are operational and in place.
3. Insure that all personnel near operating units understand to stand back from operating units so that no body parts can be pinched by any mechanism of the unit and any items that may fall off the unit will not strike them.

**Modifications or Alterations:** Modifications or alterations of Turntable units shall be made in conformance with all applicable provisions of the unit manufacturer's standards and shall be at least as safe as the equipment was before modification. These changes shall also satisfy recommendations of the original equipment manufacturer for the particular application of the unit.

## SECTION 4. INSTALLATION INSTRUCTIONS

1. Remove all straps and packing materials from in the unit.
2. **CAUTION!** This unit must be anchored to the floor for safe operation.
3. Put the unit into the desired location. Locate the 4 lag down holes on the base that can be used to anchor the unit. Using 5/8" x 6" Rawl Studs or equivalent, anchor the unit to the floor.
4. If the turntable (TM Models) is to be mounted on a platform or table, the table or platform must be structurally sound enough to support both the load and the turntable. Failure to mount a turntable on a strong enough base can result in damage or injury.
5. Rotate the turntable platform to assure that it rotates freely and shows no signs of shipping damage.
6. Instruct user(s) in the proper operation of the machine safety precautions, and equipment capacity. Supply maintenance personnel with this service manual.

## SECTION 5. OPERATING INSTRUCTIONS

1. Place object to be rotated on the turntable platform making sure that it is centered.
2. Make sure that there are no obstructions around the Turntable or underneath it.
3. Rotate load to desired position.
4. **CAUTION!** Exercise caution when removing the load from the unit. Make sure that the device you are using to remove the load picks up only the load and not the turntable platform or damage to the turntable will occur.
5. **MODEL WITH DETENTS (See Options Page):** The stiffness of the detents can be adjusted. To adjust loosen the nuts holding the spring attachment rod and adjust to desired tension. (Note: stretching the detent spring increased the detent stiffness).
6. **MODELS WITH LOCKING PINS:** To engage locking pin, line up holes and insert the loading pin provided.

### **WARNING!**

1. Operators must be alert to all personnel in the vicinity of the unit and avoid any surprises to these personnel in regard to movement of or the position of the unit at any time. Never operate the unit if you cannot see it and the personnel around it.
2. On the first use of the unit each day, each operator should check to see that the unit is operating properly and smoothly. All safety devices should be in place and operating properly.
3. Loads should be centered before rotating the unit as this will help insure even wear on all moving parts and reduce the possibility of items falling off the platform.

## SECTION 6. MAINTENANCE INSTRUCTIONS

Read this manual carefully before attempting any maintenance on the tables.

This table does not require any weekly maintenance, aside from keeping the area around and underneath free of loose debris.

### SEMI-ANNUALLY

All Advance Turntables come with self-lubricated Teflon Impregnated Bearing on the king pin. These bearings require no lubrication.

Check all rollers, axles and bearings for wear and tear and schedule replacement if warranted.

Do not let the equipment stay in disrepair, fix little problems while they are still little or some of them may become severe quickly.

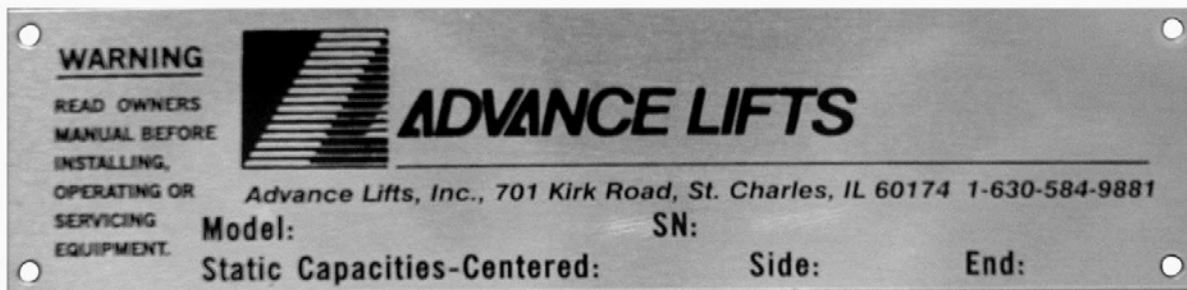
## WARNING LABEL LOCATIONS & SPECIFICATIONS

The warning and informational labels normally attached to turntables are shown full size below. Descriptions of the labels are as follows:

Label 1: This is simply a promotional label identifying the unit as an Advance Lifts unit.



Label 2: This is the formal nameplate and it **should never be removed from the unit**. The serial number on this nameplate is critical in identifying the specific unit for correct parts and service information. This plate also informs all readers of the proper capacity limits of the unit.



Label 3: This is a Danger label reinforcing the need to read all instructions and not put hands or feet under the turntable.



Label 4: This is a Warning label to not stand, sit or ride on unit.





## SECTION 8. PARTS LIST

**CONFIRM PART NUMBERS WITH YOUR DISTRIBUTOR BEFORE ORDERING**

<b>GENERAL DESCRIPTION</b>	<b>DETAIL DESCRIPTION</b>	<b>PART #</b>
CAM FOLLOWER ASSEMBLY	SW,CAMFOLLOWER ASM	006-479
KING PIN BEARING	BRG,GARLOCK, 12DU06	015-200
KING PIN	FA, SHSS, .75X1	002-147
DETENT SPRING	SS,SPRING, VIC	001-870
LOCKING PIN ASSEMBLY	TM, PM, LOCKING PIN ASM	004-070

## SECTION 9. ADVANCE LIFTS INC. WARRANTY

For a period of one year from date of shipment from the company's plant, the Company agrees to replace or repair, free of charge, any defective parts, material or workmanship on new equipment. This shall include electrical and hydraulic components.

For a period of ten years or 250,000 cycles (whichever occurs first) from date of shipment from Company's plant, the Company agrees to replace or repair any defective structure.

Company authorization must be obtained prior to the commencement of any work. The company reserves the right of choice between effecting repairs in the field or paying all freight charges and effecting the repairs at the Company's plant. The Company further reserves the right of final determination in all warranty considerations. Evidence of overloading, abuse or field modification of units without Company approval shall void this warranty. No contingent liabilities will be accepted.

## SECTION 10. OPTIONS

### DETENT ADJUSTMENT INFORMATION

#### MAKING MINOR ADJUSTMENTS IN THE STOPPING LOCATION OF THE TURNTABLE.

1. Loosen the retaining nuts on both the upper and lower detent assemblies.
2. With the detent roller in place, align the table to the desired locations and tighten the retaining nuts.

#### ADJUSTING THE TENSION OF THE DETENT ASSEMBLY

**NOTE:** It may be necessary to readjust the detent assembly after final installation or as loads change.

1. Loosen the tension adjustment bolt until the spring has little or no tension.
2. Engage the cam follower into the detent bracket.
3. Slowly back out the tension adjustment bolt until the cam follower engages the detent bracket.
4. Back out the tension adjustment bolt two (2) additional turns, this is a good starting place in determining the final amount of tension needed.
5. Once loads are placed on the unit it may be necessary to adjust the tension again.
6. The spring tension may need adjustment from time to time.



