



# **OPERATION AND MAINTENANCE INFORMATION**

## **CEILING SUSPENDED BASKETBALL BACKSTOPS**

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**Please read all instructions before attempting  
operation of backstops**

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**SAVE THESE INSTRUCTIONS FOR FUTURE USE**

# **CAUTION**

- **THIS EQUIPMENT IS TO BE OPERATED BY AUTHORIZED PERSONNEL ONLY**
- **OPERATION BY UNAUTHORIZED PERSONNEL MAY RESULT IN DAMAGE TO BACKSTOP AND/OR BODILY INJURY TO THOSE NEAR THE BACKSTOP**
- **KEY SWITCH MUST BE MOUNTED IN CLEAR VIEW OF THE BACKSTOP**
- **NEVER LEAVE KEY IN KEY SWITCH UNATTENDED**
- **ALWAYS MAKE SURE AREA AROUND AND DIRECTLY BELOW EQUIPMENT IS FREE AND CLEAR OF PEOPLE AND ALL OBSTACLES BEFORE OPERATING**
- **NEVER STAND DIRECTLY UNDER BACKSTOP WHEN RAISING OR LOWERING**
- **OPERATOR MUST KEEP BACKSTOP IN VIEW AT ALL TIMES WHEN RAISING OR LOWERING**
- **NEVER SWING OR SWAY BACKSTOP**
- **NEVER HANG FROM BACKBOARD, GOAL OR ANY PART OF BACKSTOP WHEN RAISING OR LOWERING**
- **CAUTION SHOULD BE EXERCISED AT ALL TIMES WHEN OPERATING BACKSTOP**
- **ALWAYS FOLLOW SAFETY RULES**

# OPERATION AND MAINTENANCE OF CEILING SUSPENDED BACKSTOPS

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Please read this manual to familiarize yourself with the type of equipment you have purchased. Unauthorized or untrained users can damage even the safest equipment. We strongly recommend that only qualified personnel be designated as the operators of this equipment.

Inspections should be performed on a regular basis, depending on equipment usage. A qualified individual should inspect the entire system (hoist, limit switches, cables, pulleys, fittings and attachments, braces, accessories) at least once a year, at a minimum. If the equipment experiences heavy, frequent or abnormal usage, additional inspections should be done throughout the year.

We suggest maintaining a file on all equipment, listing the manufacturer, date of purchase, installation company (if applicable), equipment locations, and maintenance performed. Defective or worn-out equipment should NOT be used at any time, and should be repaired or replaced immediately.

The following information is meant only as a guide to assist you in operating and maintaining your equipment to help ensure years of trouble-free usage.

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## **\*OPERATION:**

To raise or lower your backstop – make sure unit is in full view of authorized operator at all times and area directly below and around backstop is free and clear of people and obstructions.

### **Manual Winch Operation:**

Turn hand crank of manual winch in appropriate direction until backstop is completely raised or lowered. **IMPORTANT:** Limit switches and mechanical stops are NOT used with a manual winch. The authorized operator must keep backstop in full view at all times during operation to ensure correct stopping points. It may be helpful to use a visual guide, such as marking the cable, to assist in locating the stopping points.

### **Manual Winch with Electric Winch Winder Operation:**

Remove hand crank from winch. Insert socket onto electric winch winder and into 3/4" square crankshaft on face of winch. Operate winch winder in appropriate direction. **CAUTION:** Only authorized personnel should operate electric winch

winder as structural damage and/or personal injury can occur with unauthorized or untrained users.

### **Key Switch Operation:**

Turn key in appropriate direction (right=up, left=down) and hold key in position until unit is completely raised or lowered based on preset limit switch stops. The motor will automatically stop when the limit switch engages, even if the key is still turned in the up or down position. The Electric Hoist provided by Performance Sports Systems is equipped with an instant reverse feature. This feature allows the user to instantly reverse the direction of the backstop with a simple change of key position. **HOWEVER**, never purposely or quickly reverse the operation without momentarily stopping in the “neutral” position, as this may cause gear damage, circuit overload or damage to the limit switches.

### **Wireless Remote Operation:**

Based on preprogrammed settings, use arrow keys to select desired backstop to be operated. Choose “raise” or “lower”, push button in and hold down until backstop is in position. Repeat procedure for each backstop until all units are in the desired positions.

### **Keypad Operation:**

Enter access code; select preprogrammed setups or individual backstops to be operated. Push in and hold “up” or “down” button until backstop is in desired position. Repeat procedure for remaining backstops to be operated. Keypad will automatically shut off after 30 seconds of non-use.

**\*NOTE:** Even though great care has been taken to ensure the safety of these backstops, mechanical problems or failures can occur. It is **VERY** important that the authorized operator keep the moving backstops in **FULL VIEW AT ALL TIMES**. Should the limit switches ever fail to stop the unit in the up or down position, the operator must be prepared to manually halt the unit by releasing the key switch, wireless remote button or keypad button to avoid damage to the facility structure. If a limit switch fails, contact Performance Sports Systems or the responsible installation company. **Do NOT** continue to operate backstop until limit switch problem has been corrected. If, at any time during operation, any component of the unit fails (such as cables, clamps, pulleys, fittings, attachment points or pipe) **STOP THE OPERATION IMMEDIATELY**. Contact Performance Sports Systems or the responsible installation company.

### **Electric or Manual Adjust-A-Goals:**

1. If your backstop has a manual or electric adjust-a-goal – operate the adjust-a-goal via the chosen method (manual crank handle, power wand, key switch or keypad) by raising or lowering to desired level as shown on the height sticker on the side of the unit.

2. **IMPORTANT** – when raising the backstop to the “up” or storage position, make sure adjust-a-goal has been raised to the regulation 10’ height.

## **Maintenance and Other Important Information:**

1. **Periodically inspect backboard and goal. Indications of wear, tear, rough or sharp edges, torn edge padding etc., must be addressed immediately. Worn or frayed nets must be replaced immediately. Authorized personnel should determine if the equipment is stable and safe to play on.**
2. **Periodically inspect structure. A qualified individual should inspect the entire system (hoist, limit switches, cables, pulleys, fittings and attachments, braces, accessories) at least once a year, at a minimum. If the equipment experiences heavy, frequent or abnormal usage, additional inspections should be done throughout the year.**
3. **Make sure all nuts and bolts are fastened tightly, frames are not bent and backboard and goal are attached securely.**
4. **If your backstop is a rear-braced forward folding model, the slide rods should be cleaned and lubricated by a qualified individual. A dry silicon lubricant is recommended.**
5. **Manual and electric adjust-a-goals should have the slide rods cleaned and lubricated to ensure smooth operation. A dry silicon lubricant is recommended.**
6. **NEVER jump, hang, swing from or pull on the backstop structure. This can cause structural damage and/or personal injury.**
7. **NEVER place foreign objects on or around the backstop.**
8. **NEVER use the backstop for anything other than its intended purpose.**
9. **Wall mounted stationary backstops should be inspected by a qualified individual at the beginning and end of each season to make sure wall anchoring system is secure.**

**Contact Performance Sports Systems at 800-848-8034 for questions or additional information concerning your ceiling suspended backstop.**

**\*\*\*\*\*CAUTION\*\*\*\*\***

**If your backstop utilizes an electric or manual winch, or an electric winch winder used in conjunction with a manual winch:**

- 1. Both electric and manual winches and electric winch winders develop tremendous forces; structural damage and/or personal injury can occur. Care must be taken when operating. Only authorized and trained personnel should operate winches and winch winders.**
- 2. Visual contact of the equipment must not be compromised during operation. Keep backstop unit in full view at all times during operation. The authorized operator must ensure that the area around the backstop is free and clear of all people and obstructions.**
- 3. When using a key switch or electric winch winder, NEVER quickly reverse the operation as this may cause gear damage, circuit overload or damage to the limit switches, and/or personal injury.**
- 4. Limit switches or mechanical stops may NOT be used with a manual winch. It is the responsibility of the authorized user to ensure proper hoisting operation to avoid structural damage and/or personal injury.**
- 5. A qualified individual should check limit switches at least once a year (more often depending on backstop usage) to ensure settings are correct.**
- 6. The electric winch furnished by Performance Sports Systems has a sealed gear case for maintenance-free operation, but should still be inspected by a qualified individual at least once a year (more often depending on backstop usage) for any leakage, attachment bolt tightness and correct cable tensioning on the grooved drum.**
- 7. The manual winch furnished by Performance Sports Systems has a sealed gear case and requires no maintenance, but anchoring attachments should still be inspected by a qualified individual at least once per year (more often depending on usage).**
- 8. NEVER hang, pull or tug on the unit when operating, and NEVER place foreign objects on or around unit when operating.**

**Contact Performance Sports Systems at 800-848-8034 for questions or additional information concerning your ceiling suspended backstop.**