



Product Use Requirements

This checklist is provided as a tool for use by a qualified person (furthermore all "Qualified Person or Persons are as defined by ANSI E1.6-1-2019, Entertainment Technology-Powered Hoist Systems, section 3.22) while inspecting Titan machinery. Although an attempt has been made to include all of the most important points of inspection, no such list can anticipate the particular circumstances of every installation. It is the responsibility of the qualified person to make a reasonable effort to identify hazardous conditions not mentioned herein and formally advise the owner to take corrective action. This check list is primarily for inspecting the hoist machinery. Loft blocks, cables, battens, and all other parts of the rigging system must also be inspected. (Use Counterweight System check list).



Important Safety Information

- See Identification Label attached to controls enclosure on each unit for model number, speed and capacity information.



⚠ WARNING

Improper installation or maintenance can cause the machine to fail.

- Equipment must be inspected at the time of installation and annually thereafter. Individual applications may require more frequent inspection and maintenance.
- Do not substitute or modify components provided with this equipment. Use only parts provided by J.R. Clancy.
- Remove the load from the hoist before disassembling.



⚠ DANGER

Electrocution Hazard

- Remove power source before opening electrical panels.
- Electrical equipment must be serviced by qualified personnel (as noted in ANSI E1.6-1-2019, section 3.22) only.



⚠ WARNING

Moving parts can cut or crush.

- Keep body parts away from machinery in motion.
- Remove power source before working on machinery.

Instructions for Use

1. Prior to inspection, obtain and review a copy of the Titan Maintenance Manual for the hoist configuration being inspected. Contact JR Clancy if the correct Maintenance Manual cannot be located.
2. Identify the channel number of the machine to be inspected and write it in one of the boxes at the top of the check list. Duplicate the list as required for larger systems.
3. Inspect each of the items on the checklist and verify that the machinery is serviced and adjusted according to the requirements of the maintenance manual. See the manual for questions about specific part names and adjustments. Remove the machine guarding (per ANSI 6.1.1-2019, section 6.7.) from the machine as required.
4. Replace the machine guarding (per ANSI 6.1.1-2019, section 6.7.) repeat the process for each machine at the site.
5. Inspect the theater. Make sure that capacity labels, safety signs, and dealer contact information are in place.
6. Make contact with the authorized person at the theater and make sure that all of the manuals and the service log are available for use.
7. Send copies of checklists to JR Clancy Service Division.

Titan® Hoist Inspection Check List



Date of Inspection: _____

Venue Name		Channel Numbers			
Check Mounting Clamps	Clamps are attached to the hoist backbone with either bolts, U-bolts or welds. If U-bolts are used, two must be used in each clamp half.				
	When clamps are used, the beam flanges are less than 1" thick and 15" wide.				
	Clamp rods and U-bolts are tightened (20 ft-lb [27Nm]).				
Check Blocks and Reeving	Sheave fleet angles are within 1.5 degrees. Cables do not rub side plates of head or loft blocks. Cables are not twisted.				
	The drum/head block fleet angle aligns the helix angle of the drum as described in the Installation Manual.				
	Wire rope is free of kinks, corrosion, distortion, and broken strands.				
	Batten condition and terminations have been checked.				
	Cable keeper roller installation matches the directions in the Maintenance Manual.				
Check Machinery	Exposed parts of drum screw are clean and lubricated.				
	Rubber protective band has been removed from the reducer breather valve.				
	For KEB brake, the manual release bolts of the secondary load brake are loose. The gap between the load brake magnet and armature matches the manufacturer's specification.				
	The mounting position on the gear reducer name plate matches the actual mounting position of the hoist. No apparent oil leaks. Oil level is correct for the mounting position. Oil to be tested 3 years after initial install and each visit thereafter. Replace if needed.				
	Control enclosure covers are in place. No missing fasteners.				
	Strain relief connections are tight.				
	Check moving carriage shoes and guide track for wear.				
	Check all fasteners on machine frame are tightened and not missing. Check for damage to machine frame, including cracked welds and deformation.				
Check Electrical	Power plugs are twist-locked into receptacles. Control plugs are latched into receptacles.				
	Unused control plugs are closed and latched				
	Normal and over travel limits are set and checked per instructions in the Maintenance Manual.				
Check Operation and Limit Switches	With the machine on down overtravel limit there are at least three dead wraps on drum for each line.				
	Machine runs smoothly throughout entire range of travel.				
	Limit switch cover is in place with no missing fasteners.				
	When hoist stops after lifting batten, motor brake engages before load brake engages. When the hoist is moving the batten, the load brake is open and does not rub.				
	Capacity labels are in place on each batten and match the machine capacity on the hoist identification label.				
	Motorized rigging safety sign is installed and dealer contact information has been filled in.				
Check Availability of Safety Information Materials	Capacity labels are in place on each batten and match the machine capacity on the hoist identification label.				
	Motorized rigging safety sign is installed and dealer contact information has been filled in.				
	Owner has copies of the Installation, Operation, and Maintenance Manuals, and Service Log.				