

COMPLIANCE CATEGORY <input checked="" type="checkbox"/> Safety Failure to comply with this product update could result in personal injury or death. Compliance is mandated within a specific operating time.	PRIORITY CODE <input checked="" type="checkbox"/> 1 Prior to unit startup or prior to continued operation (Immediate Action Required)
<input type="checkbox"/> Compliance Required Identifies the need for action to correct a condition that, if left uncorrected, may result in reduced equipment reliability or efficiency. Compliance may be required within a specific operating time.	<input type="checkbox"/> 2 At first opportunity (Prior to Next Scheduled Maintenance Interval)
<input type="checkbox"/> Optional Identifies changes that may be beneficial to some, but not necessarily all. Accomplishment at customers discretion.	<input type="checkbox"/> 3 Next Scheduled Maintenance Interval
<input type="checkbox"/> Notification Customer communication, no action required.	<input type="checkbox"/> 4 Optional / Notification

PRODUCT MODELS AFFECTED					
<input type="checkbox"/> PC1	<input checked="" type="checkbox"/> PC3	<input checked="" type="checkbox"/> Titan	<input type="checkbox"/> Work Cages	<input type="checkbox"/> Platforms	<input type="checkbox"/> Astro
<input type="checkbox"/> Hoist Accessories	<input type="checkbox"/> Platform Accessories	<input type="checkbox"/> Rigging Accessories	<input type="checkbox"/> Safety Accessories		

COMPONENT SYSTEM			
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Mechanical	<input type="checkbox"/> Safety	<input type="checkbox"/> Other:

SUB COMPONENT
Overspeed Safety Device - Flywheel Assembly

PURPOSE

We have received two reports of Overspeed Safety Device devices failing to trip while performing the routine Daily Test Requirement as referenced in the Power Climber Operators Manual for the PC3/Titan series traction hoist.

Pictures provided from one unit indicate that the flywheel counterweight pins had fallen out or sheared off (see Fig A). If a pin falls out or shears off, the counterweight may get caught on surrounding structure, see Fig B (ex: test push button or mounting bolts). This results in a condition where the flywheel will not trip the overspeed safety trip trigger. In the unlikely event of a loss of traction of the suspension rope in the traction sheave, or a drive train failure leading to a freewheeling traction sheave, the Overspeed Safety Device Cam will not engage and stop motion of the hoist.

Spring Pin

Retention Pin

Retention Pin Missing

FIG A

Safety Trip Trigger

Test Push Button

Mounting Bolt

FIG B

The pin non-conformance may not be detected while performing the Daily Test Requirements as outlined in Power Climber Operators Manual. Additional steps are required to ensure detection of a missing or a sheared pin.

ACTION REQUIRED

PRIOR TO NEXT USE OF HOIST:

- With power disconnected, remove Hoist Mainframe Cover (Fig C1) using a 4mm T-Handle. Locate the Flywheel Assembly (See Fig C2). **Manually rotate each flywheel counterweight (4 Total) on Flywheel Assembly** of the Overspeed Safety Device to ensure that their rotation past the outer diameter of the flywheel is limited as shown in Fig D1 & D2 below. If it can rotate too far as shown in Fig E, the Flywheel does not pass inspection.



FIG C1



FIG C2

Flywheel Assembly



FIG D1 - Pass

FIG D2 - Pass

FIG E - Fail

- If Flywheel Assembly passes inspection, the hoist may be used for up to 120 days as long as the steps outlined in the Power Climber Operators Manual for flywheel inspection are followed prior to each daily use: while powering the hoist "UP" and "Down" approximately 3 feet, look through the window near the Overspeed Brake Test Button to view that the flywheel is rotating. **If the flywheel is not rotating or stops rotating during operation, hoist must be removed from service immediately until update is applied.**

WITHIN 120 DAYS AN UPDATE MUST BE INSTALLED:

- For PC3 Series Traction Hoist:** Flywheel Weight Retention Plate Kit (p/n 720174-1) must be installed by a technician that holds a valid Hoist Maintenance Training Certification from Power Climber, or hoist must be removed from service.
- For Titan Series Traction Hoist:** Replacement Flywheel Assembly must be installed, or hoist must be removed from service. Contact Power Climber to determine which assembly is needed. Service@PowerClimber.be or +32 3 451 05 00
- At time the time of service, record the serial number of hoists updated and send them to ProductSupport@PowerClimber.com.

FOR SPARE PARTS IN YOUR INVENTORY:

- If you have inventory of p/n 8501, or 709876-1 they MUST be replaced with a new flywheel Assembly, p/n 720177-1.
- If you have inventory of p/n 8508, they MUST be replaced with a new flywheel Assembly, p/n 720180-1.
- Please contact Power Climber Product Support to set up a Return Material Authorization for your existing flywheel assembly to be exchanged at no cost.
 - North & South America: ProductSupport@PowerClimber.com or +1-206-575-6445
 - Europe, Asia, Australia & Africa: Service@PowerClimber.be or +32 3 451 05 00

TO PERFORM SERVICE:

- Call Power Climber Customer Service for parts that will be provided under warranty, see attached instructions.

ACCOMPANYING DOCUMENTS (provided with update at time of shipment)

703737 - Field Service Instruction - Flywheel Update **PC3 ONLY**

703738 - Field Service Instruction - Flywheel Replacement **TITAN ONLY**