

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

PRODUCT MODELS AFFECTED					
<input checked="" type="checkbox"/> PC1	<input type="checkbox"/> PC3	<input 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**

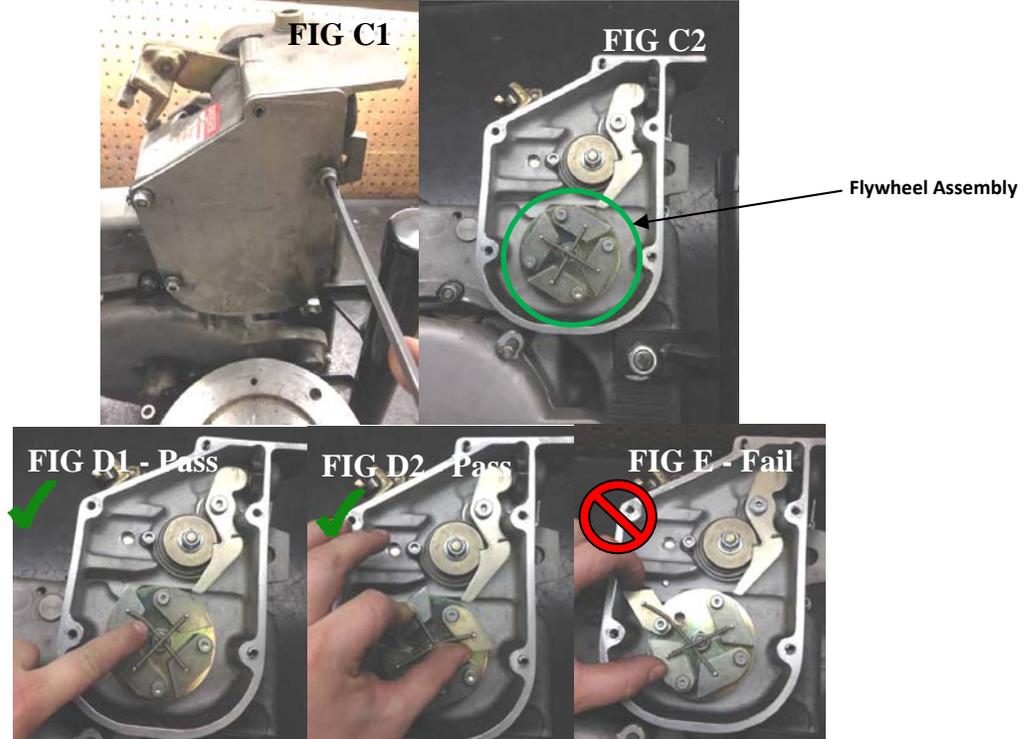
After performing tests on the PC1 to simulate if a flywheel counterweight pin falls out or shears off, it was found that the counterweight may get caught on surrounding structure (ie: housing). This could result in a condition where the flywheel will not trip the overspeed safety trip trigger. In the 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.

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 RENTAL OF HOIST:**

1. With power disconnected, remove the motor from the hoist and remove the Flywheel Cover (Fig C1). 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 and **hoist must be removed from service immediately until update is applied.**



**UNTIL UPDATE HAS BEEN APPLIED AND BEFORE EACH DAILY USE OF HOIST:**

1. With the hoist platform landed, dereeve the wire rope. Re-insert about 12" of wire rope into the hoist. **If your hoist platform cannot be lowered to a landed position, you must remove the hoist from service until update is applied.**
2. Holding the wire rope firmly, quickly pull it out. If the Overspeed Safety Device is working properly, it will grab and hold the wire in less than 4 inches.
3. Repeat this test at least 9 more times to ensure it functions correctly. If at any time it does not, the hoist must be removed from service.

**WITHIN 120 DAYS AN UPDATE MUST BE INSTALLED:**

1. PC1 Flywheel Weight Retention Plate Kit (p/n 720202-1) must be installed by a technician that holds a valid Hoist Maintenance Training Certification from Power Climber, or hoist must be removed from service.
2. 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:**

1. If you have inventory of p/n CC-058, they **MUST** be replaced with a new flywheel Assembly, p/n 720221-1.
2. Please contact Power Climber Product Support to set up a Return Material Authorization for your existing flywheel assembly to be exchanged at no cost.
  - a. North & South America: ProductSupport@PowerClimber.com or +1-206-575-6445

**TO PERFORM SERVICE:**

1. 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)**

703746 - Field Service Instruction - PC1 Flywheel Update