



Bennu Parts and Service, Inc.  
 651 E. Devon Ave.  
 Elk Grove Village, Illinois 60007 USA  
 Office: 847-595-8444 | Fax: 847-595-8554  
 www.bennuparts.com | www.castleandson.com

## Bennu Hydraulic Mast-Climbing Scaffolding Platform Series #1 and #2

### Safety Maintenance Checklist

Power Unit SR#: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Office hours: 6:30 AM to 4:30 PM Monday through Friday

### Safety First!

Visit us online to  
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 castleandson.com  
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To all owners and operators of **Bennu Innovation's Series #1** and **Series #2** power units, please utilize the Bennu Innovation's Checklist from the operator's manual, which is vital to the continued safe operation of the Bennu scaffolding platform. Please make sure that the daily, weekly, monthly and yearly checks are all being performed and documented.



### DAILY CHECK LIST

AFTER PLATFORM HAS BEEN INSTALLED AS PER OPERATOR'S MANUAL

- 1. LEVEL AND PLUMB BASES
- 2. CHECK FLUID LEVELS (GAS, OIL AND HYDRAULIC)
- 3. CHECK FOR LEAKS (GAS, OIL AND HYDRAULIC)
- 4. ARE GUARD RAILS INSTALLED AND LATCHED TOE GUARDS INSTALLED FOR TOWERS.  
 MAKE SURE MAIN CYLINDER HOOK AND SAFETY DOGS ARE FULLY ENGAGING AND FULLY RETRACTING ON EACH CYCLE. THE CAM VALVES (3 VALVES BEHIND EACH MAIN CYLINDER) DRIVE THE DOGS AND HOOK.
- 5. IF MAIN CYLINDER HOOK IS NOT FUNCTIONING PROPERLY:
  - Check the right cam valve (single), make sure it is extending/retracting completely
  - Check the remote cylinder (pushes and pulls the main cylinder)
  - Check the main hook itself (not bent and spring is working correctly)
- 6. IF THE SAFETY DOGS ARE NOT FUNCTIONING PROPERLY:
  - Check the left cam valves (stack of 2), make sure they are extending/retracting completely
  - Check the safety dog cylinders
  - Check the safety dogs themselves to make sure they are not bent and do not have free play vertically or horizontally
- 7. CHECK AND MAKE SURE TOWER RUN OFF DOG IS IN WORKING ORDER, INCLUDING PLANK LAP
- 8. CHECK THE ANCHORS OF THE WALL TIE SYSTEM ATTACHED TO THE BUILDING TWICE DAILY
- 9. IF THE POWER UNIT HAS BEEN SITTING IDLE FOR ANY LENGTH OF TIME, CONDUCT A MONTHLY CHECKLIST (WHICH INCLUDES DAILY & WEEKLY CHECK LISTS)

### WEEKLY CHECK LIST (All daily +)

- 1. CLEAN TOWER GUIDES
- 2. CHECK STRUCTURE FOR POSSIBLE DAMAGE OR DISTORTION CRACKS IN WELDS
- 3. CHECK AND SPRAY ALL VALVES AND PLASTIC GUIDE RODS (CAM RODS) WITH WD40 OR PB BLASTER PENETRATING OIL
- 4. CHECK NOSE ON SAFETY DOG (the part that laps over the tower opening when engaged).  
 It must be at least 3/16" and should not be bent.)

### MONTHLY CHECK LIST (All daily +)

- 1. CHECK AND CLEAN MAIN CYLINDER GUIDE RODS
- 2. CHECK ALL PINS AND FASTENERS  
 NOTE: CHANGE ENGINE OIL EVERY 3 MONTHS OR 50 HOURS OF OPERATION  
 NOTE: PRESSURE WASH WHEN MOVING FROM JOB TO JOB OR EVERY 3 MONTHS
- 3. CHECK PLASTIC TOWER GUIDES (REPLACE IF TOP OR BOTTOM IS WORN TO LESS THAN 1/4" THICKNESS)

### YEARLY CHECK LIST (All daily +)

- 1. CHANGE HYDRAULIC OIL AND FILTER ONCE PER YEAR
- 2. CLEAN JACK CHAIN AND GREASE JACK
- 3. CLEAN AND FLUSH GAS TANK
- 4. CLEAN FUEL FILTER
- 5. CHECK CONTROL CABLES FOR CRACKS

### EVERY 2-3 YEARS LIST

- 1. REMOVE AND CLEAN ALL VALVES (CHANGE O-RINGS), RESEAL ALL CYLINDERS