

LOCK-N-LOAD[®] CONTROL PANEL



Deluxe Control Panel
Item No. 044650

Standard Control Panel
Item No. 044651



Hornady[®]
Accurate. Deadly. Dependable.

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WARNINGS

- Use in dry locations.
- Unplug when not in use.
- When properly set, the Powder Safeguard Die will detect double charges or no charge. Verify actual charge weight periodically with a quality scale.

DELUXE CONTROL PANEL

ITEMS IN BOX

- Control Panel
- 12V 1.0A Power Supply
- Mounting Bracket and Thumbscrew
- 12V Lock-N-Load Light Strip
- Wire Harness
- Counter and Primer Slide Sensor
- Powder Level Sensor
- Primer Level Sensor
- Powder Safeguard Die
- Manual
- Product Registration Card

STANDARD CONTROL PANEL

ITEMS IN BOX

- Control Panel
- 12V 1.0A Power Supply
- Mounting Bracket and Thumbscrew
- Wire Harness
- Counter and Primer Slide Sensor
- Manual
- Product Registration Card

SETUP AND OPERATION

CONTROL PANEL SETUP *(Deluxe & Standard models)*

1) Align wire harness with connector on back of the Control Panel. Firmly press wire harness into Control Panel while supporting Control Panel.



2) Slide Control Panel Mounting Bracket onto the Case Feeder Tube.

3) Place Thumbscrew through Control Panel Mounting Bracket and tighten Thumbscrew.

NOTE: Do not overtighten thumbscrew.

4) Plug 12V power supply into input power jack on the wire harness.



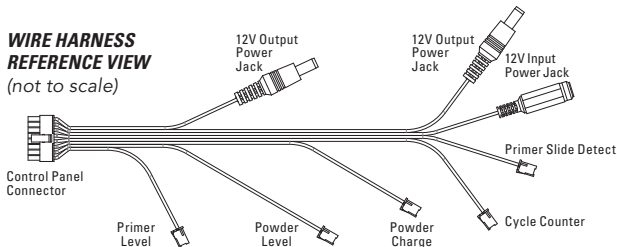
OPERATION

- Press and hold POWER button to power on the Control Panel.
- Press and hold POWER button for 6 seconds to power off the Control Panel.
- Press the POWER button momentarily to reset the counter.
- Press MUTE button to silence audible alarm (green light = unmuted, and red light = muted).



NOTE: When the Control Panel is muted, the sensor lights will still turn from green to red when a sensor is activated, but no audible alarm will be heard.

WIRE HARNESS REFERENCE VIEW (not to scale)



COUNTER AND SLIDE DETECT SENSOR SETUP

(Deluxe & Standard models)

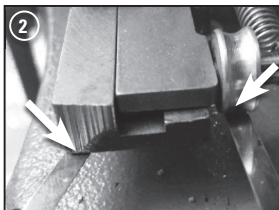
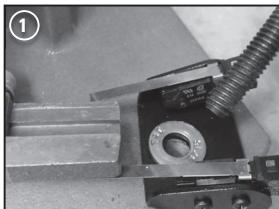
- 1) Verify reloading press is securely mounted to bench with two bolts. Remove the right bolt near the primer feed/subplate, and insert the bolt through the Counter Bracket. Rotate the bracket until the sensor levers align with the subplate and primer slide.

NOTE: It is helpful to use the Primer Follower to lock the Primer Slide back to help set the Primer Slide Switch.

- 2) Tighten the bracket down once the Sensors are aligned.
- 3) Plug the wire harness into each of the sensors using the two white connectors near the 12V input plug.

- 4) Verify the wire harness is plugged in correctly by activating the sensor and verifying the corresponding light turns from green to red (or the counter increases by one).

NOTE: If the sensors do not activate, the lever may be bent up slightly by pressing down on the lever near the housing and lifting up on the end of the lever.



OPERATION

- Counter – When cycling the press (including fully returning the handle as if seating a primer), the counter should increase with each cycle.
- Primer Slide – When the primer slide is held back from either the Primer Follower Rod dropping into the slide, or a jammed primer, the green light on the Control Panel should turn to red at the bottom of the cycle.

POWDER LEVEL CHECK SETUP *(Deluxe model only)*

- 1) Place the Powder Level assembly into the powder hopper.
- 2) Locate the wire lead for the Powder Detect Sensor and plug the wire harness into the sensors.
- 3) Verify the wire harness is plugged in correctly by activating the sensor and verifying the corresponding light turns from green to red on the Control Panel.
- 4) Adjust the Stop up or down on the Powder Float to the desired level by sliding the o-rings on each side of the Stop up or down.

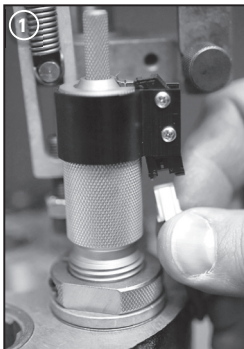


OPERATION

- When the level of powder becomes low, the stop on the top of the Powder Float should trip the sensor.

POWDER SAFEGUARD DIE SETUP *(Deluxe model only)*

- 1) Install Lock-N-Load bushing (sold separately) onto Powder Safeguard Die.
- 2) Screw the brass tip nearly all the way onto the stem by holding the tip and top knurl.
- 3) Cycle press to hold at the top of the stroke (the shellplate is as high as possible).
- 4) Install Powder Safeguard Die into the press next to the powder drop. Screw down the Powder Safeguard Die until approximately $\frac{1}{8}$ " above the shell plate.
- 5) Place a case with the correct powder charge under the safe guard die. Begin to cycle the press until resistance is met. The press should lock up (not continue through a full cycle).
- 6) Unscrew the brass tip slightly, while holding the top knurl, and try to cycle the press again. Repeat until the press cycles. Unscrew an additional turn and verify press cycles.



- 7) Place an empty case under the Powder Safeguard Die and cycle the press until resistance is met. The press should not cycle on an empty case. Remove case from press before proceeding.
- 8) Place a double-charged case under the Powder Safeguard Die and cycle the press until resistance is met. The press should not cycle on a double powder charged case. Remove case from press before proceeding.
- 9) If using with the Control Panel, locate the Powder Charge Detect lead on the wire harness, and plug it into the sensor on the Powder Safeguard Die.
- 10) Verify the wire harness is plugged in correctly by activating the sensor and verifying the corresponding light turns from green to red on the Control Panel.

OPERATION

- Under normal operation, the press should cycle freely when the correct charge is dropped into the case.

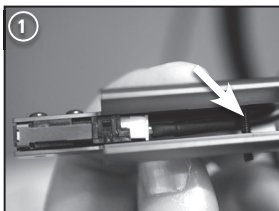
NOTE: *The Powder Safeguard Die is designed to detect no-charge or double-charge cases only. It will not detect slight changes to the powder charge. Periodically check the powder charge weight on a quality scale.*

- If press locks up, remove case from press and verify all stations. If the shell plate cycled before locking up, each case will need to be moved back one station before proceeding.

PRIMER LEVEL CHECK SETUP (*Deluxe model only*)

- 1) Locate the wire lead for the Primer Detect Sensor. Slide the wire harness connector between the Primer Level Check Mounting Bracket and the 4-40 Screw. Plug the wire harness into the sensors. A small blunt object may help fully seating the connector.

NOTE: *If the wire connector does not easily snap into the sensor, the sensor can be removed via the two phillips head screws. After connecting the sensor to the harness, the sensor can be re-installed.*



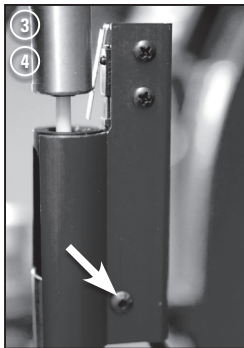
- 2) Verify the wire harness is plugged in correctly by activating the sensor and verifying the corresponding light turns from green to red.
- 3) Slide the Primer Level Check Mounting Bracket over the Primer Housing Tube until the notch in the Mounting Bracket is flush with the top of the black plastic Primer Tube Support. Verify the bracket does not interfere with the LNL Powder Drop.

NOTE: If mounting on a Dillon press, please contact Hornady at 1-800-338-3220 and request part number 399274.

- 4) Lightly tighten the bracket down using a $\frac{1}{16}$ " hex wrench and a $\frac{1}{4}$ " open end wrench on the bottom 4-40 Screw and nut.
- 5) Adjust the Stop up or down on the Primer Follower rod to the correct level by sliding the o-rings on each side of the stop up or down.

OPERATION

- When the level of primers become low, the stop on the top of the Primer Follower Rod should trip the sensor.



FAQ

WILL THE CONTROL PANEL FIT ON OTHER PRESSES?

- The Control Panel mounting bracket is designed to fit onto a 1" square tubing, however, it may be mounted onto other surfaces using the through holes on the mounting bracket.
- The Counter and Primer Slide Sensor are not designed to fit on other presses.
- The Primer Level Check will fit onto an RCBS primer tube. If the Primer Level Check will be used on a Dillon press, please call Hornady Mfg. at 1-800-338-3220 and request part number 399274.
- The Powder Level Check is designed to fit on both a standard RCBS and Dillon powder hopper.
- The Hornady Safeguard Die is designed to fit on any press with a $\frac{7}{8}$ "-14 thread.

CAN THE CONTROL PANEL BE MOUNTED ONTO A LOCK-N-LOAD® AP™ WITHOUT A CASE FEEDER?

- Yes, Hornady recommends attaching the Control Panel using the through holes in the mounting bracket, and Case Feeder $\frac{1}{4}$ "-20 mounting holes on the back of the Lock-N-Load® AP.™



WARRANTY

Hornady electronic components are covered by a one-year warranty from the date of purchase.

All tool return claims must have a Return Authorization (RA) number assigned before acceptance at our facility for further examination. Please **DO NOT** send tool items without obtaining a RA number from our customer service staff.

All tool warranty claims are handled on a case-by-case basis. In order to initiate a claim, please contact our Customer Service Technicians at 800-338-3220.

PRODUCT REGISTRATION

Please register your product at hornady.com to ensure receipt of product updates, recalls or other pertinent information related to this product.

SPECIFICATIONS

- Model: 044650 (Deluxe) or 044651 (Standard)
- Power Input: 12V DC 1.0A
- Power Output: 12V DC 0.5A



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