



Operation 1/2

Complies with the requirement of The Protection of Animals at the Time of Killing (Amendment) (England) Regulations 2022 (Legislation.gov.uk) for piglets under 10 kg and kids under 4kg.

- 1. Operator & bystander safety is your 1st priority!**
Wear safety glasses and always point the Zephyr in a safe direction.

⚠ DANGER

This Captive Bolt Tool is for Animal Dispatch Only!
Improper use of this tool can result in death or serious injury!
Never point this tool at yourself or others in the work area!

- 2. TED Components & Specifications**

Energy = 29 Joules

Bolt Velocity = 31 m/s

Device Mass = 1.8 kg





- Operator & bystander safety is your 1st priority! Wear safety glass and always point the TED in a safe direction.**

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- Only use Paslode brand trim fuel. Note the expiration date stamped on bottom of canister. Follow directions on canister to install nozzle. Note: nozzles may be defective when new! Save old working nozzles for trouble shooting. If TED does not fire, reinstall canister and/or install new canister. Expired fuel or nozzle defects are attributed to 98% of firing issues.**



**Follow directions
printed on fuel canister**

- Charge battery fully before use with charger provided. Red LED on charger indicates active charging and goes off when charge is complete. Battery may remain in charger when charge is complete without being harmed. Note: flashing green LED on TED indicates installed battery is sufficiently charged to fire.**



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4. Identify TED firing system: Standard or Locking.

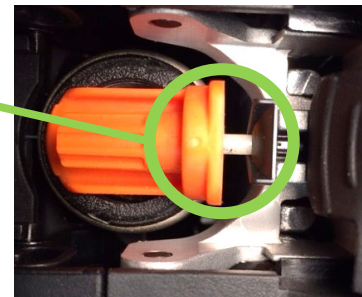
Standard used for cleaning; Locking for euthanasia

Examine the “activator.”

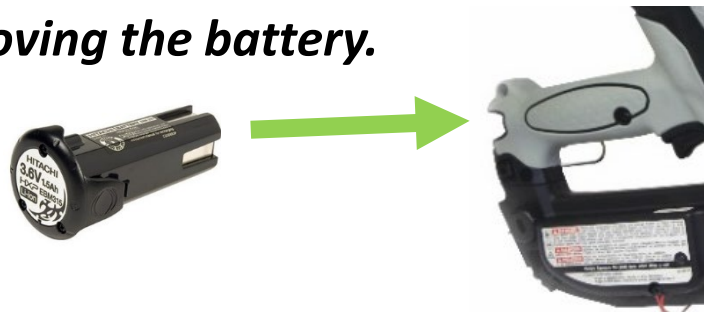
With fuel removed press the activator on a solid surface. If the activator spring returns it is “standard.” If the activator locks back it is “locking”; pull the knurled nut to unlock. Practice using the activator without fuel until this specific operation is fully understood for either firing system. Turn the knurled nut clockwise for “standard” and/or counter-clockwise for “locking.”



5. Practice loading and unloading new (unexpired) fuel. The fuel nozzle (white tip) must seat in the receiving port on the TED. Flip the hinged fuel door up and then press gently down to close. The door will move when the activator is pressed.



6. Practice installing and removing the battery.





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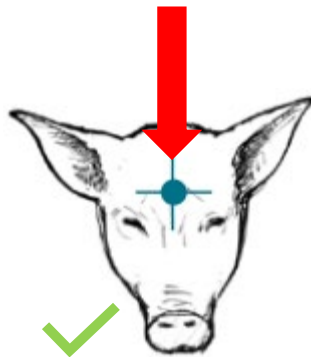
1. ***Specific requirements for non-penetrating captive bolt use. A non-penetrative captive bolt device can be used for slaughter, depopulation and other situations for killing piglet, within certain specified parameters:***
 - 1.1 ***Species: Piglets of less than 10 kg of live weight. Refer to page 5.
Species: Kids of less than 4 kg of live weight. Refer to page 7.***
 - 1.2 ***Parameters: The device must deliver a minimum kinetic energy of 27.7 Joules.
Refer to page 1.***
 - 1.3 ***Monitor Efficacy: Confirm the physical signs of insensibility (no rhythmic breathing, no corneal reflex, and no response to nose prick) & death.***
 - 1.4 ***Recommended Maintenance: To ensure consistent device minimum kinetic energy.
Refer to pages 11 - 12.***

2. ***General requirements of legislation for non-penetrating captive bolt use.***
 - 2.1 ***Piglets of less than 10 kg of live weight. Minimum kinetic energy 27.7 Joules.***
 - 2.2 ***Kids of less than 4 kg of live weight. Minimum kinetic energy 27.8 Joules.***
 - 2.3 ***The non-penetrative captive bolt device remains a permitted method for simple stunning for cattle, sheep and goats (ruminants) under 10kg live weight, as well as poultry, rabbits and hares. It can be used for slaughter, depopulation and other situations of poultry, rabbits, hares and lambs of less than 10kg live weight and kids of less than 10kg live weight and slaughter only for other ruminants.***
 - 2.4 ***The operator must apply the device in the proper position and use the correct strength of cartridge or other propellant in accordance with the manufacturer's instructions to produce an effective stun or kill, as appropriate.***



Targeting Piglet

1. **Install fuel and battery as shown on pages 2-3.**
2. **Press activator to lock back in firing position.**
3. **Confirm TED is operational by point down and “dry firing” (fire into the air, NOT into a solid object!)**
4. **Pull knurled nut on activator to reset TED for next firing.**
Note: activator moves down to starting position.
5. **Support the piglet’s head against a solid surface. Use Bock Industries piglet restraint if available.**
6. **Locate target: Top center of head, between eyes & ears.**



7. **Press activator to lock back. Firing must take place within 10 seconds, otherwise for safety, the TED will auto-deactivate.**
8. **Locate TED firmly on target and squeeze trigger.**

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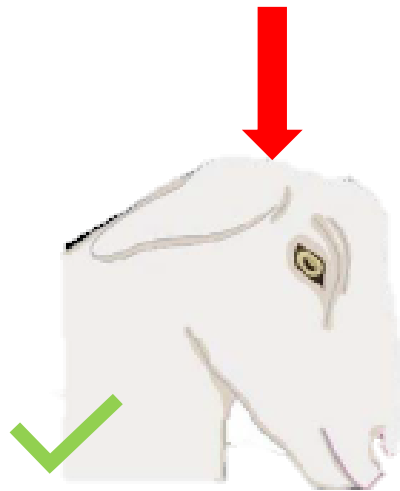
Targeting Piglet (continued)

- 9. Move TED away during animal movement phase.***
- 10. Pull knurled nut on activator to reset TED for next firing.
Note activator moves to initial position.***
- 11. Confirm physical signs of insensibility (no rhythmic breathing,
no corneal reflex, and no response to nose prick) & death.***



Targeting Kids

1. **Install fuel and battery as shown on pages 2-3.**
2. **Press activator to lock back in firing position.**
3. **Confirm TED is operational by point down and “dry firing” (fire into the air, NOT into a solid object!)**
4. **Pull knurled nut on activator to reset TED for next firing.**
Note: activator moves down to starting position.
5. **The shooting position for a kid: At the back of the head, on the midline, with the chin tucked into the neck.**



6. **Press activator to lock back. Firing must take place within 10 seconds, otherwise for safety, the TED will auto-deactivate.**
7. **Locate TED firmly on target and squeeze trigger.**

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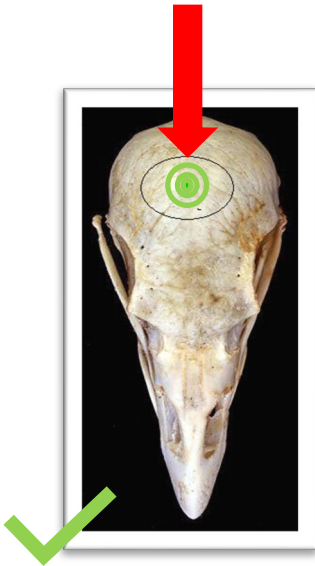
Targeting Kids (continued)

- 9. Move TED away during animal movement phase.**
- 10. Pull knurled nut on activator to reset TED for next firing.
Note activator moves to initial position.**
- 11. Confirm physical signs of insensibility (no rhythmic breathing, no corneal reflex, and no response to nose prick) & death.**



Targeting Turkey

1. **Install fuel and battery as shown on pages 2-3.**
2. **Press activator to lock back in firing position.**
3. **Confirm TED is operational by point down and “dry firing” (fire into the air, NOT into a solid object!)**
4. **Pull knurled nut on activator to reset TED for next firing.**
Note: activator moves down to starting position.
5. **Locate top center of turkey head, midway between eye and ear. Hold TED’s activator 0.5” – 1.0” above turkey head.**



6. **Press activator to lock back. Firing must take place within 10 seconds, otherwise for safety, the TED will auto-deactivate.**
7. **Locate TED above target and squeeze trigger.**

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Targeting Turkey (continued)

- 9. Move TED away during animal movement phase.**
- 10. Pull knurled nut on activator to reset TED for next firing.
Note activator moves to initial position.**
- 11. Confirm physical signs of insensibility (no rhythmic breathing, no corneal reflex, and no response to nose prick) & death.**



The bolt will jam from debris accumulation. Cleaning is mandatory between flocks. Use the Cleaning Adapter provided to safely clean the bolt in less than 10 minutes as follows:

- 1) Remove fuel and battery from the TED.
- 2) Fill **Cleaning Adapter (1)** half full with tepid Lysol solution.
- 3) Press **Cleaning Adapter** on the Activator fully **(2)**.
- 4) Load fuel and install battery for normal firing operation.
- 5) Hold the TED and press the Cleaning Adapter on a solid surface.


Firing action of the TED may cause the Cleaning Adapter to loosen if not supported by a solid surface.

- 6) With the **Cleaning Adapter** now installed, fire the TED normally 10 times. The bolt is safely contained during firing and will be **“power washed”** within the **Cleaning Adapter**.
- 7) Remove fuel and battery.
- 8) Remove **Cleaning Adapter** and examine the bolt for remaining debris.
- 9) For heavy debris, repeat from step 1.
- 10) Use Lysol spray and wipe dry the entire TED.
- 11) Use spray lubricant in Vent Port, as shown **(3)** to lubricate the bolt, and displace solution.
- 12) Is the bolt truly clean? The operator can test for a clean bolt by forcefully shaking the bolt down from it's starting position.



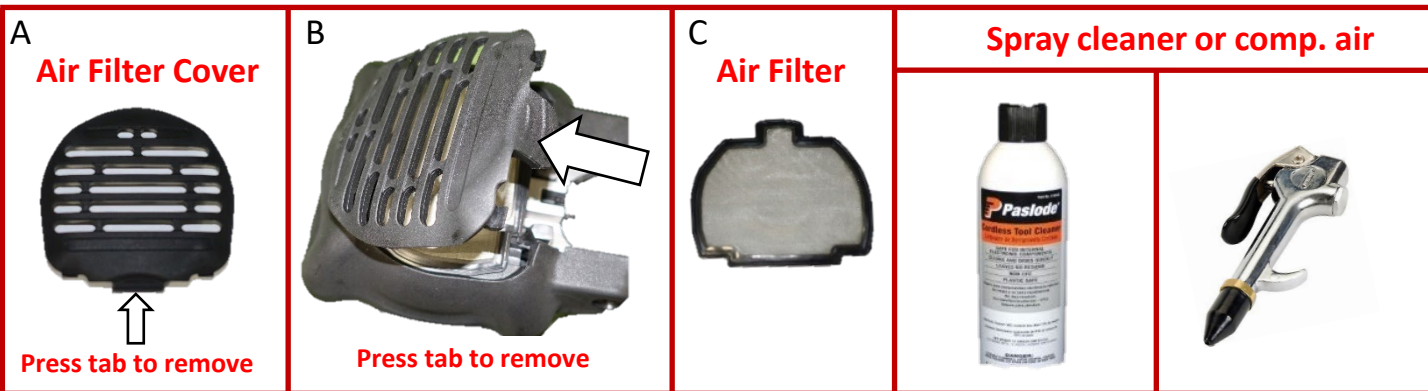
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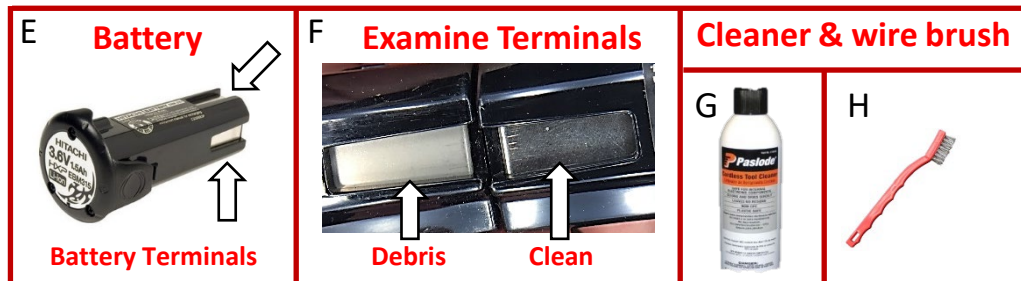
The air filter will accumulate debris. Cleaning is mandatory between flocks. Clean the air filter in less than 3 minutes as follows:

- 1) Remove fuel and battery from the TED.
- 2) Locate air filter cover on top of TED. (A)
- 3) To expose air filter: press tab on air filter cover and lift off. (B)
- 4) Note air filter orientation to correctly replace after cleaning. (C)
- 5) Use compressed air or Paslode tool cleaner to remove accumulated debris on filter. (D)
- 6) Replace air filter and snap air filter cover securely in place.



The battery terminals will accumulate debris. Cleaning is mandatory between flocks.

- 1) Spray terminals with cleaner. (E)(G)
- 2) Use wire brush to produce shiny terminals. (F)(H)

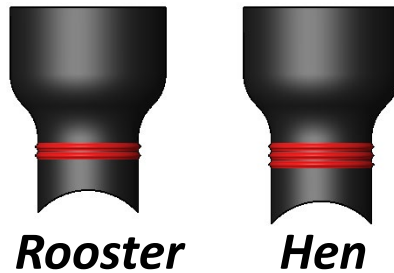




Subject Adapters

Subject adapters help fit the TED to the individual animal's head. They also help manage the bolt travel to improve aesthetics. Optional and mandatory use is shown.

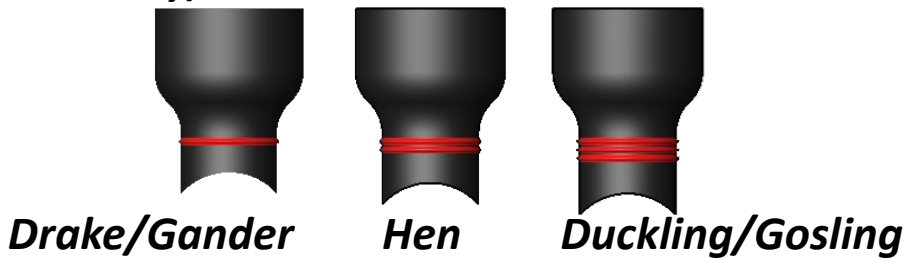
Chicken (mandatory)



Rooster

Hen

Duck/Goose (mandatory)

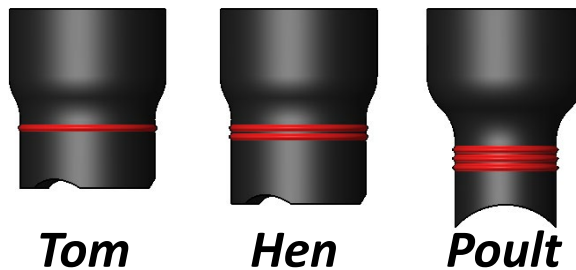


Drake/Gander

Hen

Duckling/Gosling

Turkey (optional)

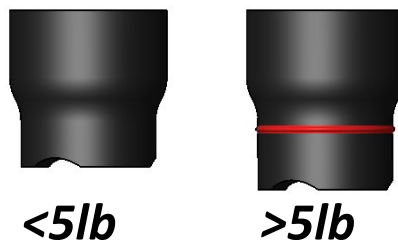


Tom

Hen

Poult

Piglets (optional)



<5lb

>5lb