

Work Procedure for Using the Stinger® Hornet Tool

Stinger® Hornet Tool Setup:

1. Attach Nozzle:

- The nozzle is assembled from the factory. The plastic nut is (hand tightened) until you cannot pull the nozzle out of the plastic tube fitting.
- If the nozzle needs to be replaced.
 - a. Disengage the locking tabs on the Cover Clip bracket from the Sliding cover slots.
 - b. Slide the cover to expose the batteries, then spread the bottom of the sliding cover to free it from the tabs and continue to slide it off over the nozzle.
 - c. Loosen and remove the plastic swage nut by hand, turning it counter-clockwise.
 - d. Remove the existing nozzle and insert the new low volume nozzle (0.030" id) into the plastic swage nut.
 - e. Replace nut and push nozzle tube all the way in.
 - f. Hand tighten nut – Until you cannot pull out the nozzle tube.

2. Prepare Fluid Can:

- Unscrew counterclockwise the yellow can cap located on the bottom of the main assembly of the Stinger® Hornet tool.
- Select the appropriate Stinger® Fluid can (1FR, 2NP, 3PAO, or Wasp Spray).
- With the tool bottom-side up, center the can to the can housing to prevent misalignment. Then, fully screw the threaded top of the fluid can into the main assembly until it is hand tight.
- Listen for the pressure release sound indicating proper installation. Typically, give the can another half turn after hearing the release.
- Caution: If it is hard to screw in the can, it may be cross-threaded. Remove and re-align and thread in again. Do not forcibly screw in the can.
- Caution: Do not overtighten the can. Over tightening may cause damage to the top of the fluid can and leakage due to can deformation and leakage at the fluid can crimp seal.
- If the can isn't fully threaded in, the can could leak or fail inside the can housing. The Stinger® can only be used with proprietary Stinger® fluids. Do not attempt to insert other cans into the Stinger® Hornet Tool.

3. Secure Can Cap:

- After installing the fluid can, slide the yellow can cover over the can, up to the Stinger® Hornet and rotate clockwise until the cover latches.

4. Power On the tool/receiver:

- Flip the switch on the top of the tool to the ON position to power it on.

5. Attach Stinger® Tool to Hot Stick Adapter:

- Attach the fully assembled Stinger® Hornet tool to the hot stick adapter securely.

6. Perform Fluid Dispense Test:

- Press the button on the key-fob to dispense a small amount of fluid. This tests the tool before actual use.

- Note: The remote operates using a touch-and-release mechanism. Continuous spraying occurs if the key-fob button is held down. For brief spraying, touch and quickly release the key-fob button. This prevents over usage of Stinger® fluids.

Operations:

1. Pre-Operation Inspection:

- Before opening a switch, visually inspect it using a GOPRO® camera for any obvious issues or abnormalities.

2. Application of Stinger® 1FR Penetrant:

- Spray the switch with the Stinger® 1FR Penetrant fluid. More than one application may be needed.
- Allow 30 minutes for the penetrant to work. If feasible, open the switch a few times during this period. Opening the switch is not mandatory to maintain it.

3. Application of Stinger® 2NP Cleaner:

- After the Stinger® 1FR Penetrant application, spray the switch with the Stinger® 2NP Cleaner fluid.
- No wait time is required after cleaning.

4. Application of Stinger® 3PAO Lubricant:

- Finally, spray the switch with the Stinger® 3PAO Lubricant fluid to lubricate it effectively.

Post-Operation:

1. Cleaning Before Storage:

- Before storing the Stinger® Hornet tool, flush the tool by spraying three short sprays of Stinger® 2NP cleaner fluid through the tool to flush it thoroughly.

2. Turn Off Tool:

- Turn the switch to OFF position after completing the operation. Caution: Batteries will be depleted if the switch is not turned off.

3. Tool Cleaning:

- Wipe any excess fluid from the outside of the tool and nozzle tip and store in the kit case.

4. Tool Storage:

- Store the Stinger® Hornet tool in a secure, dry location, following company procedures and guidelines.
- Ensure all components are stored safely and securely.

5. Fluid Storage:

- Stinger® 1FR penetrant fluid should be stored and used at temperatures not less than 40 degrees F. At or below 40 F, 1FR fluid begins to thicken and cause problems with the solenoid operation. See FirstPower Group LLC - Handling, Storage and Usage of Stinger® Fluids Policy.

Safety Precautions:

- Always wear appropriate PPE, follow all company-specific safety procedures and guidelines for handling and using the Stinger® tool.
- Keep the tool and its components clean and well-maintained as per the manufacturer's recommendations.