

T3 - FIELD CLEANING

The T3 gas tool will provide years of reliable service if properly maintained. Depending on job site conditions, shot counts will vary on when cleaning is required. The tool may need cleaning when the tool no longer consistently fires, skips a shot, feels difficult to close, or sticks closed after the shot. This section will provide some steps for a quick field cleaning. This is designed to remove the excess dirt and debris and allow the tool to once again function properly. In some instances when more serious problems exist or are uncovered during the field clean process; it is recommended that the tool be serviced by an authorized Ramset repair center.

To begin, remove the fuel cell and battery from the tool. Then follow the T3 procedure to remove the handle from the housing. This is a separate procedure with pictures and instructions on basic disassembly of the tool. A 5/32-inch hex key is needed to remove the screws. Once the tool is in the state below the cleaning process can begin.

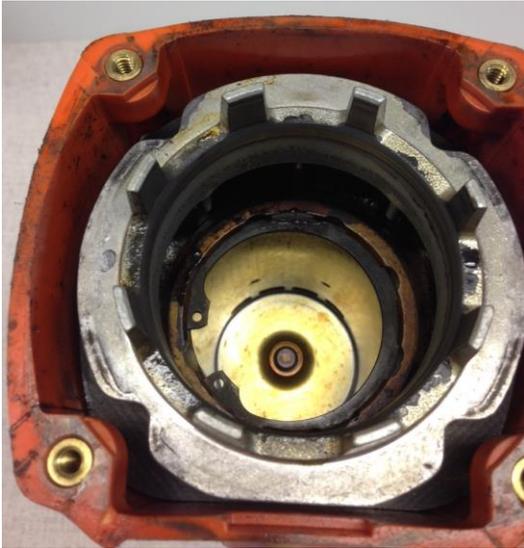


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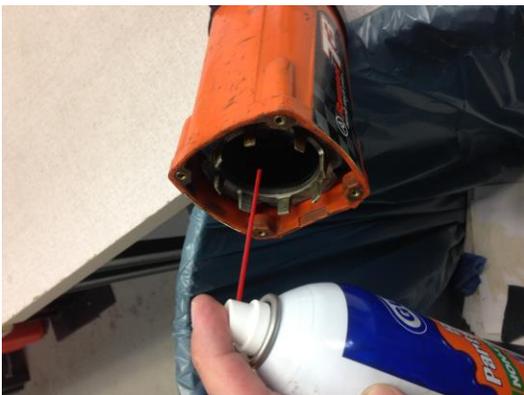
1. Pictured to the left are two examples of a dirty T3 motor housing assembly. There are several very different kinds of dirt.

The fine dust will absorb any lubricant in the tool. Symptoms of this type of dirt may be pistons not returning, noses sticking closed, various abnormal noises from parts rubbing together.



The other gray/ black oily paste shown. The tool may exhibit a lack of piston return and erratic firing or skipping shots.

Examine the internal parts for obvious signs of damage. Should damage be noted, the tool may need further service by an authorized Ramset repair center.



2. Using an industrial spray solvent that is safe for plastic, spray the inside of the housing over a garbage can or other area approved to collect dirty liquids.

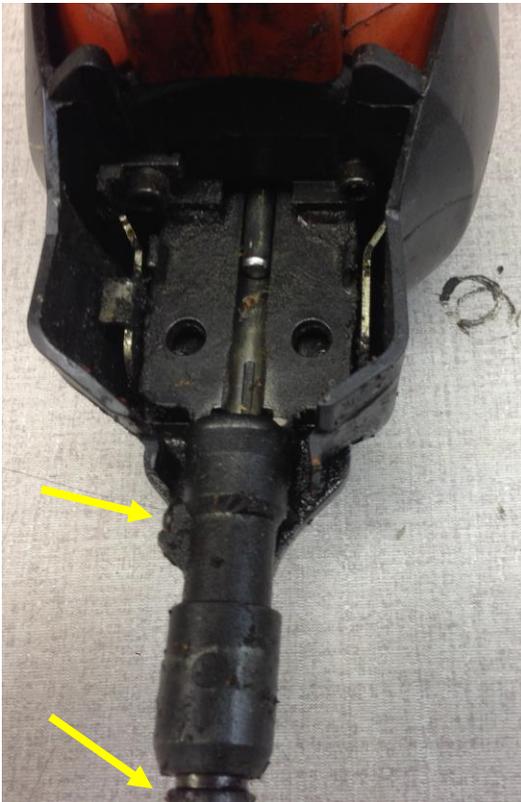
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3. Shown to the left are some examples of various industrial spray solvents. Not shown but also recommended is the Paslode Cordless Tool Cleaner.



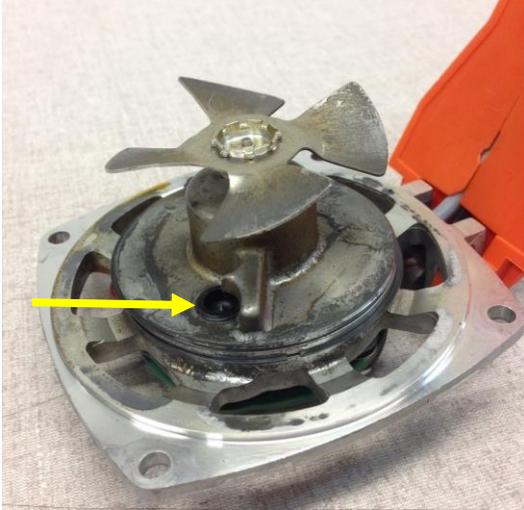
4. After removing much of the dirt, debris, oil, etc. with the spray cleaner, a disposable cleaning wipe can be used to further remove stubborn debris. The end of a hammer handle in conjunction with the wipe can be used to remove debris at the bottom of the cylinder bore.



5. Inspect the nose area. Remove any dirt and debris with the spray clean or disposable wipe.

On T3MAG tools, inspect the condition of the pin guide and pin guide set screw identified to the left by the arrows.

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6. Using the spray cleaner, clean the underside of the cylinder head. Pay specific attention to the spark plug area and the o-ring or steel rings.



A cotton swab should be used to clean around the spark plug area shown by arrow.

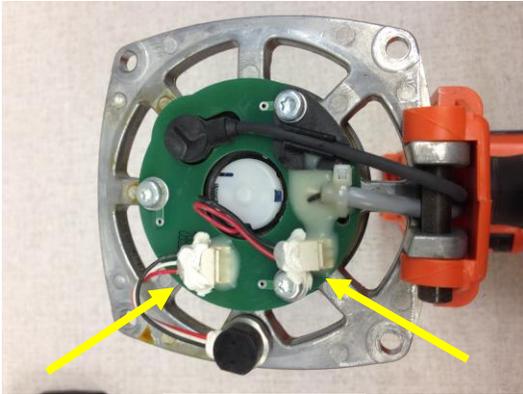


7. Inspect the fan blade and o-ring or steel rings. The fan blade must not be damaged or bent. The o-ring or steel rings must move freely within their grooves.



8. Inspect and clean the top side of the cylinder head. The spray cleaner in most cases can be used to clean this area. Check wires and be certain connectors are fully plugged in.

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9. After the cylinder head is cleaned, check the connections again at the top. Consideration should be given to adding some silicone caulk or RTV to the top of the connectors to assure they stay connected. See Arrows



10. Once the tool is clean, it must be lubricated. Paslode Cordless Lubricating Oil is a light synthetic oil designed to properly lubricate cordless gas powered tools. Shown is a small 4oz bottle.



11. Oil is placed onto the steel rings or o-ring area of the cylinder head. Free rotational movement of the ring(s) is desired.



12. Oil is also used to lubricate the walls of the cylinder in the motor assembly. Push the piston down, apply several drops of oil around the walls of the cylinder. Move the piston up and down to help distribute the oil. Also add several drops of oil to the sealing area between the bottom of the combustion chamber and top of the cylinder or sleeve.



13. On magazine equipped tools, inspect the shear block end of the magazine for debris or damage. Use compressed air to blow out the magazine rails and/or wipe the magazine clean of debris.



14. Locate the cap and grill assembly. With a flat blade screw driver pry the grill free from the cap.



15. Inspect the cap, grill and foam filter for damage. If the foam filter has holes, replace it (P/N: B0095) The foam filter may also be cleaned with soap and water and reused. Allow to dry before reassembly.

When reassembling the cap and grill, place the air filter into the grill, the tabs of the grill then snap into the cap.

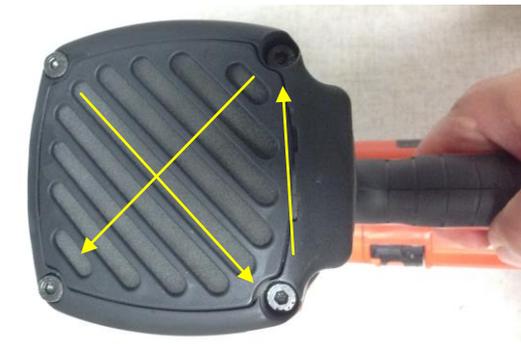
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16. The tool can now be reassembled. Place the cylinder head from the handle half assembly into the top of the motor assembly. The hinge point of the cylinder head will allow the handle to be angled as to allow the fuel connector to fit into the side of the housing. Care must be used to not bend the fan blade.



17. Insert the handle bushing into the hex area. See arrow. On the back side of the picture shown insert the screw into the handle bushing and tighten.



18. Install the cap and grill assembly. Install the four screws. Push down on the nose of the tool to close it. Tighten the four screws in a criss-cross pattern.



19. Install the magazine if so equipped. Test fire the tool.