

## TROUBLESHOOTING

### BE SURE TO FOLLOW SAFETY RULES AND INSTRUCTIONS

For assistance with your product, visit our website at [www.dewalt.com](http://www.dewalt.com) for a list of service centers, or call DeWALT at 1-800-4-DeWALT (1-800-433-9258).

PROBLEM	POSSIBLE CAUSE	SOLUTION
Fastener overdriving.	Power level too high / Fastener too short. Soft base material.	Use a lower powder load level number or a longer fastener. Check base material suitability section.
Tool does not fire.	Tool not depressed completely. Firing pin damaged.	Contact an authorized DEWALT service center to have the tool checked and/or serviced. <b>Replace damaged part(s).</b>
Tool does not depress completely.	Damaged firing pin parts, ejector, etc. Parts assembled improperly.	Check the parts for damage or improper assembly.
Power reduction or inconsistent fastener penetration.	Piston does not fully return due to soft base material. Worn or damaged piston or bumper. Damaged or bent piston.	Re-assemble the piston and nose. Avoid soft material such as wood, etc.. Replace piston or bumper. Remove and replace piston.
Load strip cannot be inserted into tool.	Improper loading. Wrong caliber strip.	Insert strip from the bottom of the tool handle. Use only short .27 caliber safety load strips.
Load strip will not advance.	Worn advance lever guide.	Replace advance lever guide. This should be performed by qualified individuals.
Load will not fire when trigger is pulled.	Tool is not fully depressed.	Follow safety procedure for misfired load then attempt to fully depress tool before pulling trigger.
Load will not fire when tool is fully depressed and trigger is pulled.	Load is already fired. Load misfire. Broken firing pin. Broken or missing firing pin nut.	Cycle tool. Follow safety procedure. Replace firing pin nut. This should be performed by qualified individuals. Replace firing pin nut. This firing pin nut should be performed by qualified individuals.
Tool cannot be opened or cycled	Lack of proper cleaning. Damaged or bent piston. Broken or damaged parts.	Clean tool thoroughly. Remove and replace piston. Tag tool with warning "Defective - Do Not Use" place in locked container and contact your DeWALT Authorized representative for service.
Piston stuck in the forward position.	Piston has been overdriven and is jammed in the barrel.	Tap the piston against a hard surface. Re-assemble and adjust power/load to avoid overdriving fastener. Avoid soft base material.
Chipped or damaged piston	Tool not held on work surface squarely. This allows the piston to slip off the head of the pin and cause damage to the piston.	Replace piston. Refer to <b>Replacing the Piston and Bumper</b> . <b>NOTE:</b> Use the proper piston for the pins being driven. DFD2701 Replacement Driver Piston for .300" Head Drive Pins (Flat) DFD2705 Replacement Driver Piston for 8 mm Head Drive Pins (Domed)

- If the collated pin is jamming in the magazine nose, shake the magazine to check if any plastic debris is in the magazine cavity. This will cause the pin feeding issue and result in jam of the pin.
- If the piston is jamming, check if the piston over-penetrated from the muzzle. As a result, piston head got bigger (mushroomed) or the piston is not straight.
- Check piston ring can be freely compressed and naturally return to original shape - no jamming in the ring slot.
- If piston head has mushroomed, piston may not return. Change to a non-mushroom piston for trial test to confirm.
- If piston has been ground by the user, do not actuated the tool! Install a new one first.
- Check the two retention balls in the nose piece by inserting the piston through the nose piece and feel for the ball retention force against the piston when sliding piston into the nose. If piston does not slide smoothly, that could cause it to bend or mushroom. A new piston will be needed to check the ball retention if the old one is bent or mushroomed.
- Check the bumper to see if it's heavily deformed which might squeeze additional rubber material to the piston surface.

