KENCOVE FENCE STAPLE GUN - TTSDG

Specs & Service Bulletin

Specifications

Tool Technical Specs:

- **Weight**: 8.24lbs
- **Height**: 14.7 in.
- **Length**: 13.82 in.
- **Width:** 4.25 in

Fastener Data:

- **Outside Crown:** .503 in.
- **Inside Crown:** .264 in
- **Wire:** 10 ga
- **Length:** 1-3/4 in.

Tool Characteristics:

- Depth of drive adjustment
- Molded comfort grip
- Full Sequential Actuation Mode
- 75 Staple magazine capacity
- Top Load Magazine
- Lightweight heavy duty molded plastic body and cap
- Drive rate 2-3 shots per second max
- Temp. Range 120° F to 19° F optimal

Battery:

- .46 lbs
- 6 volt
- Max Charge Time 2 hours
- Battery should be run completely down before recharging
- Battery should be recharged fully before using
- Life of battery will vary from 150-200 charges max 300
- Min. storage temp of battery should not drop -4° F
- Battery should be charged at least 2x annually to maintain battery conditioning
- Up to 5,5200 shots per charge

Fuel Cell:

- The TTSDGF Fuel Cell is specially formulated and designed for use with fence stapler cordless tool platform.
- Made in Germany
- 80ml capacity
- Up to 1,200 shots per cell

- Ships with shipping cap on fuel meter for safety
- Disposable
- Ideal storage temp. 41° F to 77° F
- Ideal operating temp. 14° F to 122° F

Tool:

- Tool is Gas/Battery operated so easily used in confined and or rough terrain areas without need for hose & compressor.
- Tool has power to drive an 1-3/4" 10 ga. Class 4 HDG staple in age-treated lumber, locust & Osage Orange materials without problem
- Tool is equipped with east to adjust "tool free" depth of drive feature providing the correct wire tightness for woven wire (tight) or High-Tensile (loose) including over 2-fin insulators.
- Tool safety has a radius locator groove to insure proper positioning over wire and/or insulators
- Tool is "Full Sequential" actuation requiring tool to be placed against work surface before trigger is pulled for a single shot per cycle operation. This eliminates any double firing.
- Tool is top loading and equipped with staple hold-down to secure 75 staples (3 full clips) for maximum productivity no matter how tool is oriented, including upside down, staples will not fall out.
- Tool is equipped with a Battery Indicator Light that flashes green alerting the user that tool is ready to operate. This light will blink as long as a battery is plugged in with a charge.
- Tool Provided with 2 NiMh batteries and 1 charge. There is approximately a 2 hour charge time on batteries for full charge. Batteries should fully cycle down before recharging and should be given a full charge before using. Not following this will reduce life of battery
- Tool is to be used with a TTSDGF fuel cell that is specifically formulated for use in the fence stapler cordless tool platform. Use of any other fuel voids mfg. expressed warranty.
- Tool is well-balanced and includes a molded rubber comfort grip to insure safe, non-slip tool handling in even the harshest work environments.

Staples:

HCSSK 1-3/4" x 10ga Class 4 Galv, Smart Surface Wire, Double-Diamond Coated Divergent Staples

- Precision cut offset divergent points force staple legs to flare out during driving cutting thorough wood grain and fiber to lock staple into place and making difficult to come loose over time.
- Staples manufactured with a Class 4 Hot Dip Galvanized coating to provide maximum staple life in treated post and under the harshest of exterior applications.
- Diamond Coat X2 coating process allows for now 2X the amount of Diamond Coating to be placed on the leg of the staple reducing driving power and increasing our industry leading withdrawal even more.
- Smart Wire on HCSSK helps absorb the slight wood spring back better than a slash barbed staple since the initial wood deformation is held to a minimum during staple driving.
- Staples packed 1,500 staples per carton. Carton is weather proof resealable plastic tub.
- USDA RUS Approval on staples
- Also available in copper clad staples.

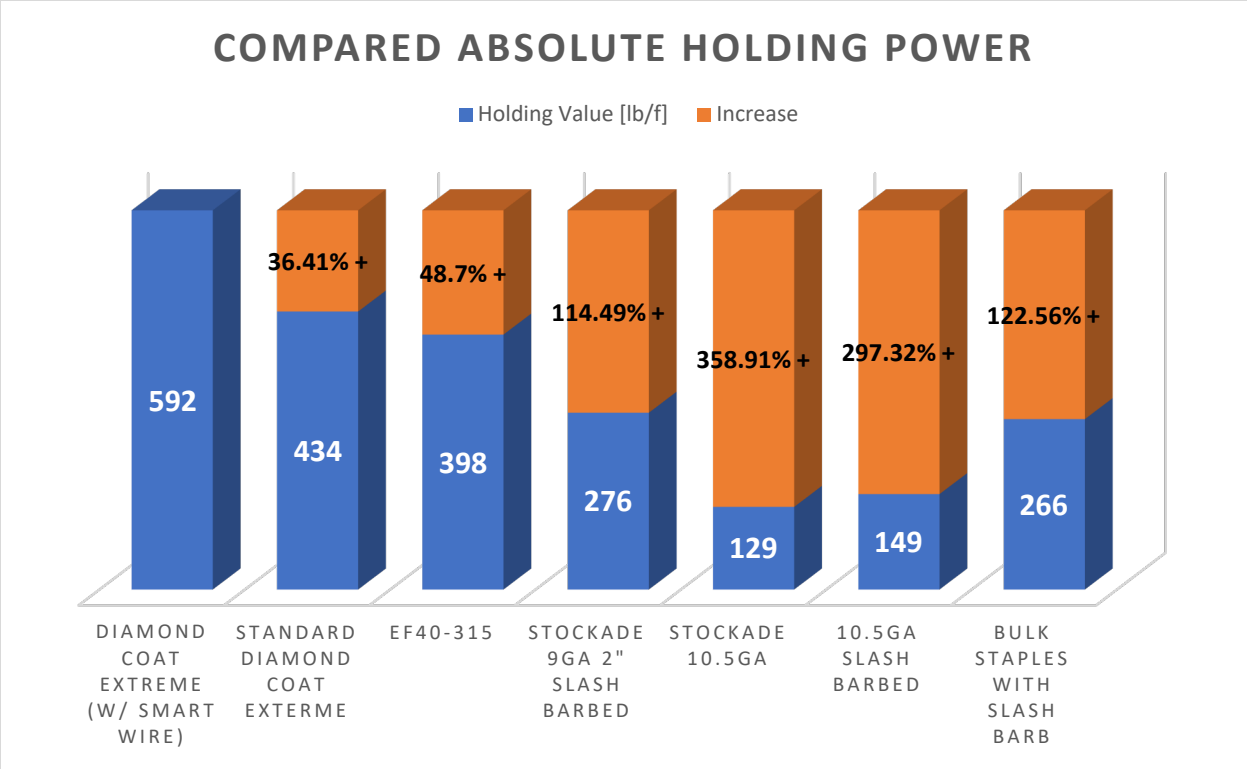


Figure 1 Values shown are absolute holding power and expressed as lb/f.

Service Training

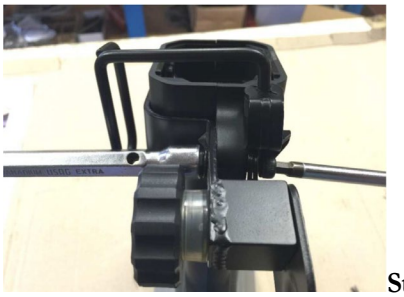
Service Tools Needed:

- Small Adjustable wrench
- 3MM Allen Wrench
- 4MM Allen Wrench
- 5MM Allen Wrench
- Flat Head Screw Driver
- Snap Ring Plier
- High Temp Lubricating Oil for all O-rings
- Film Free Cleaner

Cleaning of F70G:

- It is important to note that any and all fuel driven tools require regular cleaning as part of preventative maintenance.
- If the working environment is very dirty, the tool might need to be cleaned approx. every 10,000 cycles. In a standard environment, it can be expected that tool should be cleaned every 20,000 cycles to ensure efficiency and longevity.
- A high temperature lubricant is recommended for the rings on tool
- Cleaning time should take approx. 30 minutes

Steps to Clean:



Step 1:

Figure 2 - Remove the nut and hex head screw from under the battery port. This is connected to the belt hook.

[Tools – 5MM Allen Wrench & Adjustable]

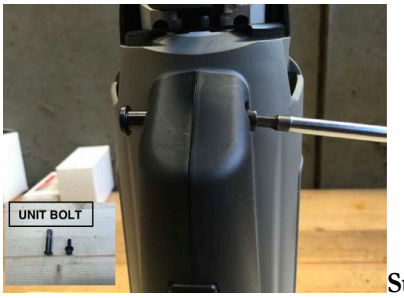
Step 2:

Figure 3 - Remove belt hook from tool completely and set to side

Step 3:

Figure 4 - Unscrew knob under battery port & remove bracket

[Tools – 3MM Allen Wrench]



Step 4:

Figure 5 - Remove unit bolt from handle assembly. Unit bolt is a 2-part assembly. Note which direction it comes out as it only goes back in one way.

[Tools – 3MM Allen Wrench]

Step 5:

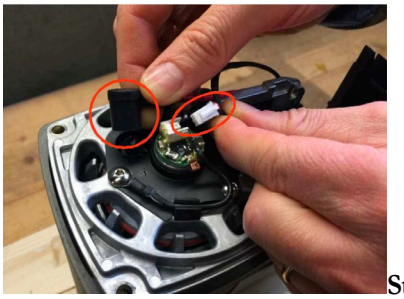
Figure 6 - Remove 4 hex head screws from cap

[Tools – 4MM Allen Wrench]

Step 6:

Figure 7 - Take off plastic cap and pop cover off cap to expose filter. Remove Flexible filter and spray with cleaner liberally. Pat dry with clean towel. If possibly blow dry with air nozzle.

[Tools – Flat headed screw driver]



Step 7:

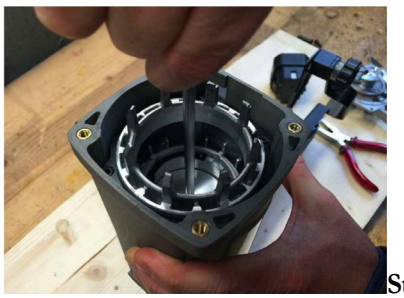
Figure 8 - Unplug the motor wire & the voltage wire.

Step 8:

Figure 9 - Remove handle unit completely so that electronics are out of the way and safe.

Sep 9:

Figure 10 - Remove fan blade from top of motor housing CAREFULLY so as not to damage fan blades.



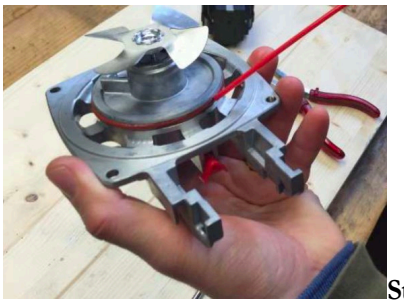
Step 10:

Figure 11 - Use snap ring pliers to remove 610048F snap ring and retract driver blade.

[Tools – Snap Ring Plier]

Step 11:

Figure 12 - Clean out motor of tool with cleaner. When done wipe dry. And replace piston driver and snap ring.



Step 12:

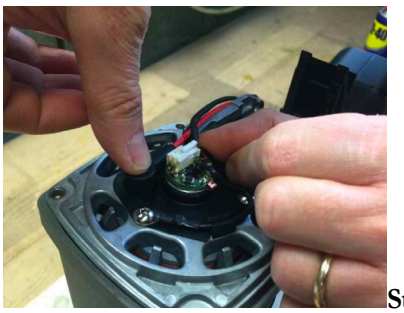
Figure 13 - Spray cleaner on motor unit and fan. Lubricate O-rings with high temp oil

Step 13:

Figure 14 - Once Rings are lubricated place fan unit back on top of housing.

Step 14:

Figure 15 - Re-Attach Handle unit. Noting from before how Unit Bolt indexed when disassembling



Step 15:

Figure 16 - Re-Connect Motor wire and voltage wiring. Note that red voltage wire should be attached so that it runs under the black motor wire.

Step 16: Put filter back into plastic cap now that it has also been dried and re-attach cap to housing. Tighten all 4 hex bolts snugly. Do not overtighten and finish tightening manually, not with impact or drill.

[Tools – 4MM Allen Wrench]

Step 17: Re-attach Unit Bolt and tighten as noted in step 14.

[Tools – 3MM Allen Wrench]

Step 18: Replace bracket and knob back in place and tighten knob.

Step 19: Re-attach belt hook.

[Tools – 5MM Allen Wrench & Adjustable]

Maintenance Notes:

- A dirty spark plug can lead to misfires and should be cleaned. If spark plug is round over too much it should be replaced with part # 500003F.
- Tool chamber, metal seals in the cylinder head, piston driver, etc should all be cleaned and inspected for combustion residue (looks like old varnish) and then lightly oiled moving parts with high temp oil.
- Dirty or damaged seals can result in loss of compression and should be cleaned or replaced.
- PM cleaning recommended every 10,000- 20,000 cycles.

Trouble Shooting

Failure	Description	Possible Reason
Dry Fire 1 / Piston Return	Piston hits base material without fastener - reduced energy.	*Piston does not return completely and blocks next fastener from advancing. *Piston return blocked by dirt high friction.
Dry Fire 2 / fastener transport	Piston hits base material without fastener - full energy.	*Fastener not transported in guide body, pusher/negator. *Slider Clamping. *Fastener Clamping or jamming.
Fastener jam	Neither fastener OR Piston hits base material	*Piston stock due to jam or obstruction in guide body. *Fastener not properly fed into got body.
Double drive	Two fasteners come out of tool.	*Malfunctioning of compression lock. *Wrong handling. *Fastener Jam. *Piston Displacement
No Ignition	Nothing happens when pulling trigger	*Trigger pulled to early *Fuel empty *Battery Dead *Battery contacts are dirty or obstructed *Ignitor (spark plug or terminal) dirty *Electronic or ignition cable broken
Driver does not reset	After compression tool does not go back to original position.	*Debris blocks driver *Driver bent
Electronic failure	Tool does not work, electronics in failure mode	*Internal disturbance of driver
Under-driven fastener	Fastener does not penetrate enough into base material.	*Piston did not return properly *Piston is broke *Ignition area is dirty
Bent or broken fastener	Fasteners bent or broken.	*Wrong Handling *Application / material too difficult for tool