



STANLEY House, Works Road
Letchworth Garden City
Hertfordshire, United Kingdom
SG6 1JY
Tel: +44 1582 900 000
Fax: +44 1582 900 001



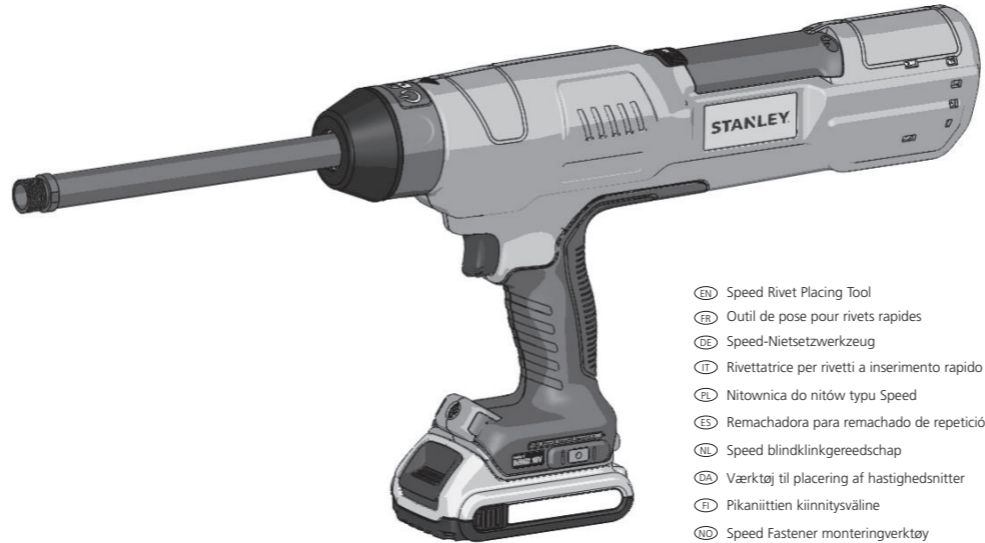
INSTRUCTION MANUAL
ORIGINAL INSTRUCTION



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Manual Number	Issue	C/N
07900-09503	A4	20/234



- Speed Rivet Placing Tool
- Outil de pose pour rivets rapides
- Speed-Nietsetzwerkzeug
- Rivettatrice per rivetti a inserimento rapido
- Nitownica do nitów typu Speed
- Remachadora para remachado de repetición
- Speed blindklinkgereedschap
- Værktøj til placering af hastighedsnitter
- Pikaniittien kiinnitysväline
- Speed Fastener monteringsverktøy
- Placeringsverktyg för höghastighetsnitning
- Ferramenta para fixação rápida de rebites



SB25PT-05

Speed Rivet Placing Tool



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Fig A.

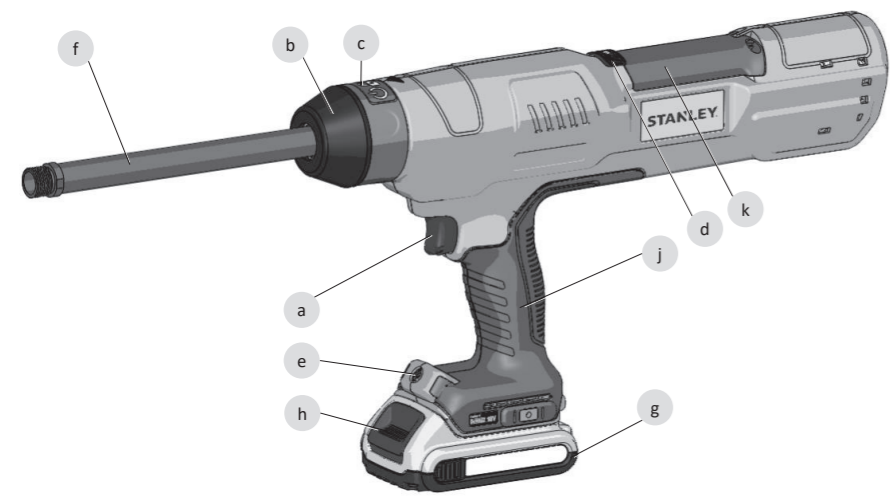


Fig E.

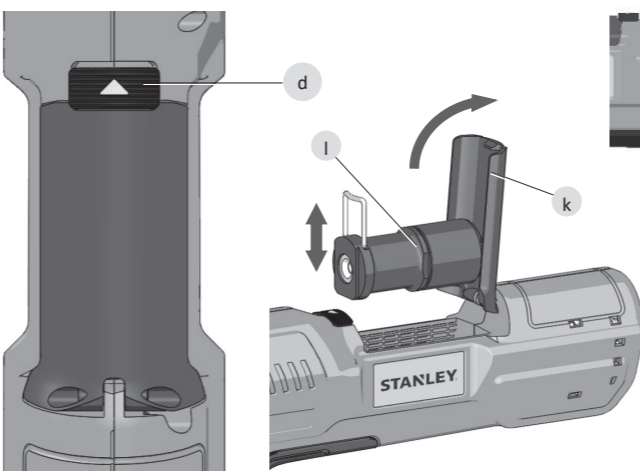


Fig H.



MMYYYYxxx

Fig B.

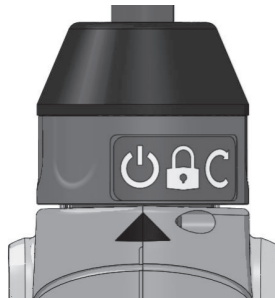


Fig C.

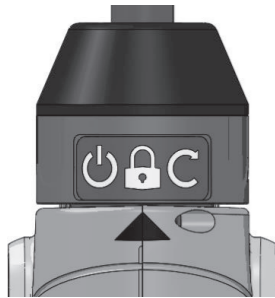


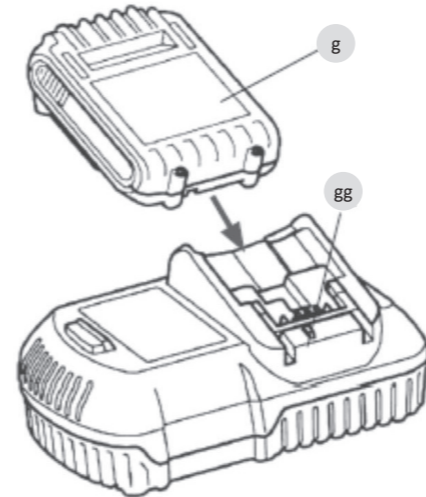
Fig D.



Fig F.



Fig G.



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This instruction manual must be read by any person installing or operating this tool with particular attention to the following safety warnings and instructions.

1. SAFETY DEFINITIONS

The definitions below describe the severity for each signal word. Please read the manual and pay attention to these symbols.



DANGER: Indicates an *imminently hazardous situation which, if not avoided, will result in death or serious injury.*



WARNING: Indicates a *potentially hazardous situation which, if not avoided, could result in death or serious injury.*



CAUTION: Indicates a *potentially hazardous situation which, if not avoided, may result in minor or moderate injury.*



(Used without word) Indicates a *safety related message.*

NOTICE: Indicates a practice *not related to personal injury which, if not avoided, may result in property damage.*



Denotes risk of electric shock



Denotes risk of fire

Improper operation or maintenance of this product could result in serious injury and property damage. Read and understand all warnings and operating instructions before using this equipment. When using power tools, basic safety precautions must always be followed to reduce the risk of personal injury.

Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

- *Do not use outside the design intent of placing STANLEY Engineered Fastening Speed Fasteners.*
- *Use only parts, fasteners and accessories recommended by the manufacturer*
- *Use power tool only with specifically designated battery packs*

1.1 GENERAL POWER TOOL SAFETY WARNINGS



WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1.1.1 WORK AREA SAFETY

- Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- DO NOT operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

1.1.2 ELECTRICAL SAFETY

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
- b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*
- c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- f) **If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply.** *Use of a GFCI reduces the risk of electric shock.*

1.1.3 PERSONAL SAFETY

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*
- b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) **Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.*
- d) **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*
- e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** *Loose clothes, jewelry or long hair can be caught in moving parts.*
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

1.1.4 POWER TOOL USE AND CARE

- a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
- b) **DO NOT use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) **Disconnect the plug from the power source and/or remove the battery pack, if detachable from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*
- e) **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*

- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits, etc. in accordance with these instructions,** taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations

1.1.5 BATTERY TOOL USE AND CARE

- a) **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- b) **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- c) **When battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
- d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact.** If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- e) **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- f) **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.
- g) **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

1.1.6 SERVICE

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
- b) **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

1.1.7 ADDITIONAL SAFETY INFORMATION



WARNING: NEVER modify the tool in any way. Any modification to the tool will void any and all warranties. Modification may pose a risk of property damage and/or serious risk of injury to the user.



WARNING: ALWAYS use safety glasses. Everyday eyeglasses are NOT safety glasses. Also use face or dust mask if installation operation is dusty. **ALWAYS WEAR CERTIFIED SAFETY EQUIPMENT:**

- Eye protection
- Hearing protection
- Respiratory protection



WARNING: Always wear proper personal hearing protection during use. Under some conditions and duration of use, noise from this product may contribute to hearing loss.



CAUTION: When not in use, place tool on its side on a stable surface where it will not cause a tripping or falling hazard. Some tools with large battery packs will stand upright on the battery pack but may be easily knocked over. Some tools with large battery packs will stand upright on the battery pack but may be easily knocked over.

- Do not use outside the design intent of placing STANLEY Engineered Fastening NeoBolt® Fasteners.
- Use only parts, fasteners, and accessories recommended by the manufacturer.
- **DO NOT** abuse the tool by dropping or using it as a hammer.

- Keep tool handles dry, clean, and free from oil and grease.
- Never leave operating tool unattended and disconnect battery when tool is not in use.
- Keep hands away from trigger before connecting to power source and/or battery pack, picking up or carrying the tool.
- **DO NOT** operate a tool that is directed towards any person(s).
- **DO NOT** operate tool with the nose housing removed.
- Keep dirt and foreign matter out of the air vents of the tool as this will cause the tool to malfunction.

1.2 LABELS AND ICONS

MARKINGS ON TOOL

SERIAL NUMBER POSITION: The Serial Number is located on the foot of the tool (Fig m). This serial number can only be viewed once the battery (g) is removed from the tool.

DATE CODE POSITION: The date code (n), which also includes year of manufacture is printed into the serial number label: **MM2020xxx**

LABELS ON TOOL, CHARGER AND BATTERY PACK

In addition to the pictographs used in this manual, the labels on the tool, charger and the battery pack may show the following pictographs.



Read all documentation



Read all documentation



Wear eye protection



Wear respiratory protection



Wear hearing protection



Battery charging.



Battery charged.



Hot/cold pack delay.



Problem pack or charger.



Problem power line



Do not probe with conductive objects



Visible radiation. Do not stare into light.



Do not charge damaged battery packs



Do not expose to water.



Have defective cords replaced immediately



Charge only between 4 °C and 40 °C.



Discard the battery pack with due care for the environment.



Do not incinerate the battery pack.



Charges Li-Ion battery packs.



See technical Data for charging time.



Only for indoor use.



Shock hazard symbol



Charge DEWALT battery packs only with designated DEWALT chargers. Charging battery packs other than the designated DEWALT batteries with a DEWALT charger may make them burst or lead to other dangerous situations.

1.3 BATTERIES AND CHARGERS

The battery pack is not fully charged out of the carton. Before using the battery pack and charger, read the safety instructions below and then follow charging procedures outlined. When ordering replacement battery packs, be sure to include the catalog number and voltage. Your tool uses a DEWALT charger. Be sure to read all safety instructions before using your charger. Consult the chart at the end of this manual for compatibility of chargers and battery packs.

READ ALL SAFETY INSTRUCTIONS

1.3.1 IMPORTANT SAFETY INSTRUCTIONS FOR ALL BATTERY PACKS



WARNING: Read all safety warnings and all instructions for the battery pack, charger and power tool. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

- Do not charge or use battery in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Inserting or removing the battery from the charger may ignite the dust or fumes.
- NEVER force battery pack into charger. Do not modify battery pack in any way to fit into a non-compatible charger as battery pack may rupture causing serious personal injury. Consult the chart at the end of this manual for compatibility of batteries and chargers.
- Charge the battery packs only in designated DEWALT chargers.
- DO NOT splash or immerse in water or other liquids.
- Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 40 °C (104 °F) (such as outside sheds or metal buildings in summer). For best life store battery packs in a cool, dry location.
- NOTE: Do not store the battery packs in a tool with the trigger switch locked on. Never tape the trigger switch in the ON position.
- DO NOT incinerate the battery pack even if it is severely damaged or is completely worn out. The battery pack can explode in a fire. Toxic fumes and materials are created when lithium-ion battery packs are burned.
- If battery contents come into contact with the skin, immediately wash area with mild soap and water. If battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte is composed of a mixture of liquid organic carbonates and lithium salts.
- Contents of opened battery cells may cause respiratory irritation. Provide fresh air. If symptoms persist, seek medical attention.



WARNING: Burn hazard. Battery liquid may be flammable if exposed to spark or flame.



WARNING: Fire hazard. Never attempt to open the battery pack for any reason. If the battery pack case is cracked or damaged, do not insert into the charger. Do not crush, drop or damage the battery pack. Do not use a battery pack or charger that has received a sharp blow, been dropped, run over or damaged in any way (e.g., pierced with a nail, hit with a hammer, stepped on). Damaged battery packs should be returned to the service center for recycling.

1.3.2 TRANSPORTATION



WARNING: Fire hazard. Transporting batteries can possibly cause fire if the battery terminals inadvertently come in contact with conductive materials. When transporting batteries, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.

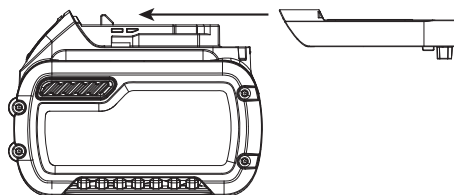
DEWALT batteries comply with all applicable shipping regulations as prescribed by industry and legal standards which include UN Recommendations on the Transport of Dangerous Goods; International Air Transport Association (IATA) Dangerous Goods Regulations, International Maritime Dangerous Goods (IMDG) Regulations, and the European Agreement Concerning The International Carriage of

Dangerous Goods by Road (ADR). Lithium-ion cells and batteries have been tested to section 38.3 of the UN Recommendations on the Transport of Dangerous Goods Manual of Tests and Criteria. In most instances, shipping a DEWALT battery pack will be excepted from being classified as a fully regulated Class 9 Hazardous Material. In general, only shipments containing a lithium-ion battery with an energy rating greater than 100 Watt Hours (Wh) will require being shipped as fully regulated Class 9. All lithium-ion batteries have the Watt Hour rating marked on the pack. Furthermore, due to regulation complexities, DEWALT does not recommend air shipping lithium-ion battery packs alone regardless of Watt Hour rating. Shipments of tools with batteries (combo kits) can be air shipped as excepted if the Watt Hour rating of the battery pack is no greater than 100 Whr. Regardless of whether a shipment is considered excepted or fully regulated, it is the shipper's responsibility to consult the latest regulations for packaging, labeling/ marking and documentation requirements. The information provided in this section of the manual is provided in good faith and believed to be accurate at the time the document was created. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with the applicable regulations.

SHIPPING THE DEWALT FLEXVOLT™ BATTERY

The DEWALT FLEXVOLT™ battery has two modes: **Use** and **Shipping**.

Use Mode: When the FLEXVOLT™ battery stands alone or is in a DEWALT 20V Max* product, it will operate as a 20V Max* battery. When the FLEXVOLT™ battery is in a 60V Max* or a 120V Max* (two 60V Max* batteries) product, it will operate as a 60V Max* battery.



Shipping Mode: When the cap is attached to the FLEXVOLT™ battery, the battery is in Shipping Mode. Strings of cells are electrically disconnected within the pack resulting in three batteries with a lower Watt hour (Wh) rating as compared to one battery with a higher Watt hour rating. This increased quantity of three batteries with the lower Watt hour rating can exempt the pack from certain shipping regulations that are imposed upon the higher Watt hour batteries.

The battery label indicates two Watt hour ratings (see example). Depending on how the battery is shipped, the appropriate Watt hour rating must be used to determine the applicable shipping requirements. If utilizing the shipping cap, the pack will be considered 3 batteries at the Watt hour rating indicated for "Shipping". If shipping without the cap or in a tool, the pack will be considered one battery at the Watt hour rating indicated next to "Use".

Example of Use and Shipping Label Marking

- USE: 120 Wh Shipping: 3 x 40 Wh -

For example, Shipping Wh rating might indicate 3 x 40 Wh, meaning 3 batteries of 40 Watt hours each. The Use Wh rating might indicate 120 Wh (1 battery implied).

1.3.3 IMPORTANT SAFETY INSTRUCTIONS FOR ALL BATTERY CHARGERS

- DO NOT attempt to charge the battery pack with any chargers other than the ones in this manual. *The charger and battery pack are specifically designed to work together.*
- **These chargers are not intended for any uses other than charging DEWALT rechargeable batteries. Any other uses may result in risk of fire, electric shock or electrocution.**
- **Do not expose charger to rain or snow.**
- **Pull by plug rather than cord when disconnecting charger. This will reduce risk of damage to electric plug and cord.**
- **Make sure that cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.**
- **Do not use an extension cord unless it is absolutely necessary. Use of improper extension cord could result in risk of fire, electric shock, or electrocution.**
- **When operating a charger outdoors, always provide a dry location and use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.**

Minimum Gauge for Cords Sets					
Volts		Total Length of Cord In Feet (meters)			
120 V		25 (7.6)	50 (15.2)	100 (30.5)	150 (45.7)
240 V		50 (15.2)	100 (30.5)	200 (61.0)	300 (91.4)
Ampere Rating		American Wire Gauge			
More Than	Not More Than				
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	Not Recommended	

- **An extension cord must have adequate wire size (AWG or American Wire Gauge) for safety.** *The smaller the gauge number of the wire, the greater the capacity of the cable, that is, 16 gauge has more capacity than 18 gauge. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. When using more than one extension to make up the total length, be sure each individual extension contains at least the minimum wire size. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The lower the gauge number, the heavier the cord.*
- **Do not place any object on top of charger or place the charger on a soft surface that might block the ventilation slots and result in excessive internal heat.** *Place the charger in a position away from any heat source. The charger is ventilated through slots in the top and the bottom of the housing.*
- **Do not operate charger with damaged cord or plug.**
- **Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way.** *Take it to an authorized service center.*
- **Do not disassemble charger; take it to an authorized service center when service or repair is required.** *Incorrect reassembly may result in a risk of electric shock, electrocution or fire.*
- **Disconnect the charger from the outlet before attempting any cleaning.** *This will reduce the risk of electric shock. Removing the battery pack will not reduce this risk.*
- **NEVER attempt to connect two chargers together.**
- **The charger is designed to operate on standard 220-240V household electrical power. Do not attempt to use it on any other voltage.** *This does not apply to the vehicular charger.*



WARNING: Shock hazard. Do not allow any liquid to get inside the charger. Electric shock may result.



WARNING: Burn hazard. Do not submerge the battery pack in any liquid or allow any liquid to enter the battery pack. Never attempt to open the battery pack for any reason. If the plastic housing of the battery pack breaks or cracks, return to a service center for recycling.



CAUTION: Burn hazard. To reduce the risk of injury, charge only DEWALT rechargeable battery packs. Other types of batteries may overheat and burst resulting in personal injury and property damage.

NOTICE: *Under certain conditions, with the charger plugged into the power supply, the exposed charging contacts inside the charger can be shorted by foreign material. Foreign materials of a conductive nature such as, but not limited to, steel wool, Aluminium foil or any build-up of metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug charger before attempting to clean.*

2. SPECIFICATIONS

2.1 TECHNICAL DATA

2.1.1 TOOL SPECIFICATION

Voltage	V _{DC}	18 nom /20 max
Type		1
Battery Type		Li-Ion
Wight (without battery pack)	Kg [Lbs]	2.5 [5.51]
Noise and Vibration total values (triax vector sum) Determined according to EN 62841-1 and EN62841-2-2:		
L _{PA} sound pressure level	dB(A)	80.0
K _{PA} sound pressure uncertainty	dB(A)	3.0
L _{WA} sound power level	dB(A)	91.0
K _{WA} sound power uncertainty	dB(A)	3.0
Ah Vibration Level	m/s ²	0.5 (<2.5)
K Vibration Uncertainty	m/s ²	1.5

Note: For EN, Sound emissions are rounded to the nearest 0.5 dBA

2.1.2 BATTERY & CHARGER SPECIFICATION

Battery Pack*		NA	XJ
Battery type		Li-Ion	Li-Ion
Voltage	V _{DC}	18 nom /20 max	18
Capacity	Ah	2.0/4.0	2.0/4.0
Weight	Kg [Lbs]	0.40/0.61 [0.88/1.35]	0.40/0.61 [0.88/1.35]
Charging duration	min	30/60	30/60
Charger**		NA	QW/GB
Battery type		Li-Ion	Li-Ion
Battery type Mains voltage	V _{AC}	120	230
Input frequency	Hz	60	50
Weight	kg	0.50	0.50

* Speed tools are compatible with DEWALT 18V nom/20V max Li-Ion slide type batteries

** Charging duration is based on the DCB115 DEWALT Charging unit.

2.1.3 ESTIMATED FASTENERS PER CHARGE

Nom. Fastener Dia. Mm [in]	Battery 2.0Ah	Battery 4.0Ah
4.8mm [3/16"] Steel NeoSpeed®	800	1600

Note: These values are listed as a guide only and are estimates based on a fully charged battery. Results may vary depending on fastener material and plating, tool/battery condition and work environment.

2.2 PACKAGE CONTENTS

This package contains:

- 1 Cordless Installation Tool
- 1 Charger
- 2 2Ah Lithium Ion Battery Pack**
- 1 Kit Box
- 1 Instruction Manual

* Placing equipment sets separately available:

** The quantity and type of Li-Ion Battery Packs depends on Model Number and region sold. Contact your local reseller for details and options.


2.3 FASTENER COMPATIBILITY

FASTENER NAME	FASTENER SIZE											M2.5	M3
	3/32"	1/8	5/32	3/16	1/4"	2.5mm	3mm	3.5mm	4mm	6mm		4-40	6-32
CHOBERT®	•	•	•	•	•								
GROVIT®	•	•	•	•									
AVLUG® *	•	•											
BRIV®	•	•	•	•						•			
RIVSCREW®						•	•	•	•				
AVTRONIC®						•							
AVSERT®												•	•
NEOSPEED®		•	•	•									

*1/16 Avlug® not suitable

2.4 MAIN COMPONENTS LIST (FIG. A.)

Ballon:	
a Trigger	f Barrel
b Mode selector	g Battery pack
c Selector label	h Battery release button
d Cartridge latch	i Main handle
e Work light	j Cartridge cover

 **WARNING:** Never modify the power tool or any part of it. Damage or personal injury could result.

2.5 OPTIONAL ACCESSORIES



WARNING: Since accessories, other than those offered by STANLEY Engineered Fastening® have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only STANLEY Engineered Fastening® recommended accessories should be used with this product. Consult your dealer for further information on the appropriate accessories.



WARNING: To reduce the risk of serious personal injury, disconnect battery pack before making any adjustments or removing/installing attachments or accessories.

STANLEY Engineered Fastening policy is one of continuous product development and improvement and we reserve the right to change the specification of any product without prior notice.

3. TOOL USE & SETUP

3.1 INTENDED USE

The Speed Rivet Placing Tool tools are designed for installation of STANLEY Engineered Fastening speed fasteners ONLY. This tool is a professional power tool.



READ ALL SAFETY WARNINGS AND INSTRUCTIONS BEFORE PUTTING TOOL INTO SERVICE.



WARNING: Never modify the power tool or any part of it. Damage or personal injury could result.

DO NOT use under wet conditions or in presence of flammable liquids or gases.

DO NOT let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

- **Young children and the infirm.** This appliance is not intended for use by young children or infirm persons without supervision.
- This product is not intended for use by persons (including children) suffering from diminished physical, sensory or mental abilities; lack of experience, knowledge or skills unless they are supervised by a person responsible for their safety. Children should never be left alone with the product.

ELECTRICAL SAFETY

The electric motor has been designed for one voltage only. Always check that the battery pack voltage corresponds to the voltage on the rating plate. Also make sure that the voltage of your charger corresponds to that of your mains.



Your DEWALT charger is double insulated in accordance with EN60335; therefore, no earth wire is required.

Using an extension cable

An extension cord should not be used unless absolutely necessary. Use an approved extension cable suitable for the power input of your charger (see technical data). The minimum conductor size is 1 mm²; the maximum length is 30 m.

When using a cable reel, always unwind the cable completely.

Before Use

- Select relevant size nose equipment and install
- Ensure that the battery is fully charged
- Insert Battery Pack into the tool
- Quickly pull and release the trigger to set the tool to the home position.

4. OPERATING INSTRUCTIONS



ALWAYS wear approved hearing and eye protection at all times when using installation equipment



WARNING: Before adjusting tool, always remove the battery pack.

4.1 BATTERY

4.1.1 TO INSTALL THE BATTERY PACK INTO THE TOOL HANDLE (FIG. F)

- Align the battery pack (g) with the rails inside the tool's handle.
- Slide it into the handle until the battery pack is firmly seated in the tool and ensure that you hear the lock snap into place

4.1.2 TO REMOVE THE BATTERY PACK FROM THE TOOL (FIG. F)

- Press the release button (h) and firmly pull the battery pack out of the tool handle.
- Insert the battery into the charger as described in Fig. G.

4.2 TOOL SETTINGS

4.2.1 MODE SELECTION (FIG. B-D)

Your tool features a mode selector to select the operation required. Rotate lightly by hand to select the mode required.

Fig B. – Placing mode

- Use this mode only when loaded mandrel, cursor and correct nose jaws are fitted to the tool.
- Tail jaws cannot be removed in this mode unless the mandrel is removed

Fig C. – Locked mode

- Specifically designed for safety purposes. Pulling the trigger will not function the tool.
- Use this mode for when tool is travelling or when not in use.

Fig. D. – Reload mode

- Allows user to remove and replace the mandrel
- The trigger behavior for this mode differs from placing mode

4.2.2 TRIGGER

Fig. A - The trigger (a) has three (3) different modes.

Mode	
Placing	Option one: Hold the trigger down for the duration of the cycle. The trigger has a failsafe to prevent over-stroking of the tool meaning it will return automatically to home position after full stroke is achieved Option two: Hold the trigger down and release as soon as the fastener is placed. The tool will revert back to the home position automatically.
Locked	Squeezing the trigger will not function the tool. There is a 1 second time delay preventing any further actuation of the tool in this mode.
Reload	Hold trigger down for >1s, the tool will move to force open the jaws. The work light will flash once a second for up to two minutes. To revert the tool back to home after reloading, hold the trigger down for >1s. the work light will stop flashing.

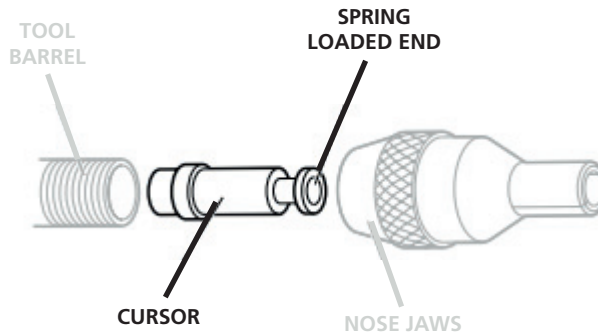
NOTE: the trigger may not actuate immediately after reaching home position. Ensure the work light is off prior to actuating the trigger again. This is applicable for all tool modes.

4.2.3 MECHANICAL CURSOR

There are three different mechanical cursor types:

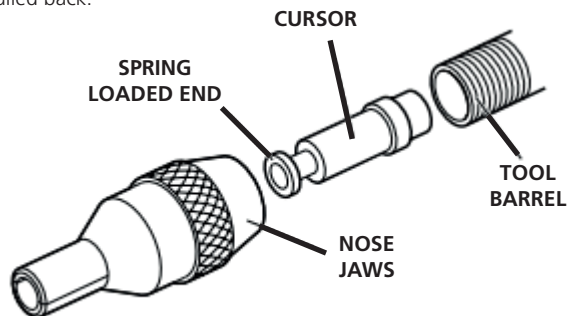
Part number	
07271-01100	Used for standard mandrels and 5/32" disposable mandrels
07279-05843	Used for 1/8" disposable mandrels
07279-05845	Used for 3/16" disposable mandrels

If fitted incorrectly, the cursor will not allow feeding of the fasteners.



While the cursor will be fitted the correct way around when the tool is supplied, we recommend that you check its orientation before fitting the nose equipment. The sprung loaded, slightly concave, end of the cursor should point towards the front of the tool as shown in the illustration.

When fitted the correct way around, the cursor will easily slide out of the barrel when a mandrel is pushed into its center then pulled back.



To reverse the orientation of the cursor, follow these steps:







- Ensure mandrel removed from tool
- Use 2 flat bladed screw drivers, unscrew pins retaining tail jaw cover
- Lift cartridge cover **(k)** away from tool
- Lift tail jaw cartridge **(l)** away from tool
- Using a spare mandrel with head smaller than 3mm, feed through the small hole of the drive assembly and push fully through until mandrel is not visible.
- The tail end of the mandrel is now visible from the front of the barrel **(f)**. Pull through fully to remove cursor from barrel.

4.2.4 WORK LIGHT

The work light (e) will run for <0.5s after the tool reaches the home position. This is not user adjustable. The following light patterns will show to assist with diagnosing.

1 = 0.5 second split

● = Work light on

Work light Patterns					
	1s	Tail jaw cartridge not detected		1s	Mode Selection not defined (Pattern repeated twice)
	1s	Tail jaws open (2-minute timer started)		5s	Battery low
	1s	In locked mode (Pattern repeated twice)		1s	Battery critically low



WARNING: While using the work light, do not stare at the light or place the tool in a position which may cause anyone to stare into the light. *Serious eye injury could result.*

4.3 CHARGERS

Your tool uses a DEWALT charger. Be sure to read all safety instructions before using your charger. The charger requires no adjustment and is designed to be as easy as possible to operate.

4.3.1 CHARGING A BATTERY (FIG. G)

- Plug the charger into an appropriate outlet before inserting battery pack. (Refer to the Charger Specifications in Section 2)
- Insert the battery pack (**g**) into the charger (gg), making sure the pack is fully seated in the charger. The red (charging) light will blink continuously indicating that the charging process has started.
- The completion of charge will be indicated by the red light remaining ON continuously. The pack is fully charged and may be used at this time or left in the charger.
- To remove the battery pack from the charger, push the battery release button on the battery pack.










NOTE: To ensure maximum performance and life of Li-Ion battery packs, charge the battery pack fully before first use.

4.3.2 CHARGING TIMES

Batteries				Chargers/Charge Times (Minutes)					
Cat #	V _{DC}	Ah	Weight kg	DCB107	DCB113	DCB115	DCB118	DCB132	DCB119
DCB546	18/54	6.0/2.0	1.05	270	140	90	60	90	X
DCB547	18/54	9.0/3.0	1.25	420	220	140	85	140	X
DCB181	18	1.5	0.35	70	35	22	22	22	45
DCB182	18	4.0	0.61	185	100	60	60	60	120
DCB183/B	18	2.0	0.40	90	50	30	30	30	60
DCB184/B	18	5.0	0.62	240	120	75	75	75	150
DCB185	18	1.3	0.35	60	30	22	22	22	X
DCB187	18	3.0	0.48	140	70	45	45	45	90
DCB203	20	2.0	0.40	90	50	30	30	30	60

4.3.3 CHARGER OPERATION

Refer to the indicators for the charge status of the battery pack.

DCB107, DCB112, DCB113, DCB115, DCB118, DCB132			
	Charging		
	Fully Charged		
	Hot/cold Pack Delay*		

*** DCB107, DCB112, DCB113, DCB115, DCB118, DCB132:**

The red light will continue to blink, but a yellow indicator light will be illuminated during this operation. Once the battery pack has reached an appropriate temperature, the yellow light will turn off and the charger will resume the charging procedure.

This charger will not charge a faulty battery pack. The charger will indicate faulty battery by refusing to light or by displaying problem pack or charger blink pattern.

NOTE: This could also mean a problem with a charger.

If the charger indicates a problem, take the charger and battery pack to be tested at an authorized service center.

HOT/COLD PACK DELAY

When the charger detects a battery that is too hot or too cold, it automatically starts a hot/cold pack delay, suspending charging until the battery has reached an appropriate temperature. The charger then automatically switches to the pack charging mode. This feature ensures maximum battery life.

A cold battery pack will charge at about half the rate of a warm battery pack. The battery pack will charge at that slower rate throughout the entire charging cycle and will not return to maximum charge rate even if the battery warms.

4.3.4 ELECTRONIC PROTECTION SYSTEM

Li-Ion tools are designed with an Electronic Protection System that will protect the battery against overloading, overheating or deep discharge. The tool will automatically turn off if the Electronic Protection System engages. If this occurs, place the Li-Ion battery on the charger until it is fully charged.

4.3.5 WALL MOUNTING

DCB107, DCB112, DCB113, DCB115, DCB118, DCB132

These chargers are designed to be wall mountable or to sit upright on a table or work surface. If wall mounting, locate the charger within reach of an electrical outlet, and away from a corner or other obstruction which may impede air flow. Use the back of the charger as a template for the location of the mounting screws on the wall. Mount the charger securely using drywall screws (purchased separately) at least 1" (25.4 mm) long, with a screw head diameter of 0.28–0.35" (7–9 mm), screwed into wood to an optimal depth leaving approximately 7/32" (5.5 mm) of the screw exposed. Align the slots on the back of the charger with the exposed screws and fully engage them in the slots.

4.3.6 CHARGER CLEANING INSTRUCTIONS



WARNING: Shock hazard. Disconnect the charger from the AC outlet before cleaning. Dirt and grease may be removed from the exterior of the charger using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions.

4.3.7 IMPORTANT CHARGING NOTES

- 1) Longest life and best performance can be obtained if the battery pack is charged when the air temperature is between 65 °F and 75 °F (18 ° – 24 °C). DO NOT charge the battery pack in an air temperature below +40 °F (+4.5 °C), or above +104 °F (+40 °C). This is important and will prevent serious damage to the battery pack.
- 2) The charger and battery pack may become warm to the touch while charging. This is a normal condition and does not indicate a problem. To facilitate the cooling of the battery pack after use, avoid placing the charger or battery pack in a warm environment such as in a metal shed or an uninsulated trailer.
- 3) If the battery pack does not charge properly:
 - a) Check operation of receptacle by plugging in a lamp or other appliance;
 - b) Check to see if receptacle is connected to a light switch which turns power off when you turn out the lights;
 - c) Move the charger and battery pack to a location where the surrounding air temperature is approximately 65 °F – 75 °F (18 ° – 24 °C);
- 4) If charging problems persist, take the tool, battery pack and charger to your local service center.
- 5) The battery pack should be recharged when it fails to produce sufficient power on jobs which were easily done previously. DO NOT CONTINUE to use under these conditions. Follow the charging procedure. You may also charge a partially used pack whenever you desire with no adverse effect on the battery pack.
- 6) Foreign materials of a conductive nature such as, but not limited to, grinding dust, metal chips, steel wool, aluminum foil, or any buildup of metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug the charger before attempting to clean.
- 7) Do not freeze or immerse the charger in water or any other liquid.

4.4 BATTERY PACKS

NOTE: For best results, make sure your battery pack is fully charged.

4.4.1 INSTALLING AND REMOVING THE BATTERY PACK (FIG. 8B)

TO INSTALL THE BATTERY PACK INTO THE TOOL HANDLE

- Align the battery pack (M) with the rails inside the tool's handle (Fig. 8b) and slide it into the handle until the battery pack is firmly seated in the tool and ensure that it does not disengage.

TO REMOVE THE BATTERY PACK FROM THE TOOL

- Press battery release button and firmly pull the battery pack out of the tool handle. Insert it into the charger as described in the charger section for this manual.

STORAGE RECOMMENDATIONS

- The best storage place is one that is cool and dry away from direct sunlight and excess heat or cold. For optimum battery performance and life, store battery packs at room temperature when not in use.
- For long storage, it is recommended to store a fully charged battery pack in a cool, dry place out of the charger for optimal results.

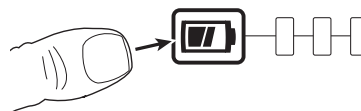
NOTE: Battery packs should not be stored completely depleted of charge. The battery pack will need to be recharged before use.

4.4.2 FUEL GAGE BATTERY PACKS

Some DEWALT battery packs include a fuel gauge which consists of three green LED lights that indicate the level of charge remaining in the battery pack. The fuel gauge is an indication of approximate levels of charge remaining in the battery pack according to the following indicators:

To actuate the fuel gauge, press and hold the fuel gauge button. A combination of the three green LED lights will illuminate designating the level of charge left. When the level of charge in the battery is below the usable limit, the fuel gauge will not illuminate, and the battery will need to be recharged.

NOTE: The fuel gauge is only an indication of the charge left on the battery pack. It does not indicate tool functionality and is subject to variation based on product components, temperature and end-user application. For more information regarding fuel gauge battery packs, please contact call 1-800-4-DEWALT (1-800-433-9258) or visit our website www.DEWALT.com.



5. OPERATING PROCEDURE

On speed fastening tools, the nose equipment always consists of three elements: a nose jaw, a mandrel and a mandrel follower spring. All three items are matched to the fastener being placed and to the hole size in the application.



WARNING: It is essential that the correct nose equipment is fitted to the tool to ensure both effective placing of the fastener and SAFE operation of the tool. READ THE SAFETY WARNINGS carefully



WARNING: Always observe the safety instructions and applicable regulations.



WARNING: To reduce the risk of serious personal injury, disconnect battery pack before making any adjustments or removing/installing attachments or accessories



WARNING: To reduce the risk of serious personal injury, **ALWAYS** use proper hand position.



WARNING: To reduce the risk of serious personal injury, **ALWAYS** hold securely in anticipation of a sudden reaction.

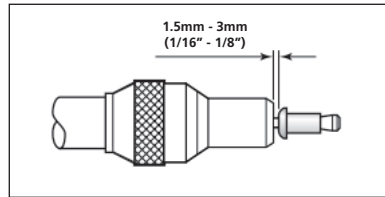
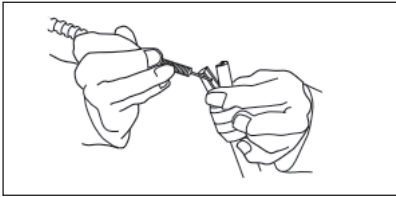
5.1 PROPER HAND POSITION

Proper hand position requires one hand on the main handle (j) fig. A. The tool can be operated with either the left or right hand.

5.2 LOADING THE TOOL

- Ensure mechanical cursor is fitted and in correct orientation with tool
- Screw selected nose jaws onto barrel of the tool.
- Open the nose jaws either by rotating the outer ring on cam operated jaws or by pushing outwards the jaw ends, as illustrated below left.
- Connect the battery to the tool.

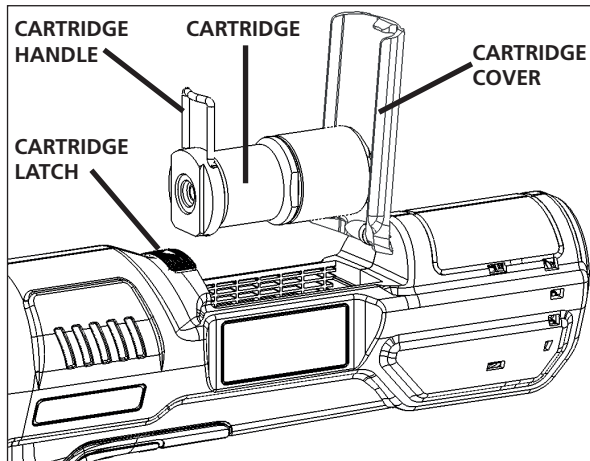
- Select Reload mode and hold trigger for >1second until tool actuates and work light starts to flash at 1 second intervals
- Insert the previously assembled mandrel, mandrel follower spring and fasteners into the nose jaws until the mandrel fully backs onto mandrel stop. There should be a small quantity of fasteners protruding from the nose jaws.
- Supporting the nose jaws, press and hold the trigger for >1s and the tool will actuate to the home position. Ensure the mandrel and rivets do not move with the tool
- Close nose jaws and ensure 1 rivet is showing. If incorrect position, refer to Mandrel section (5.4) to adjust.



5.3 TAIL JAWS

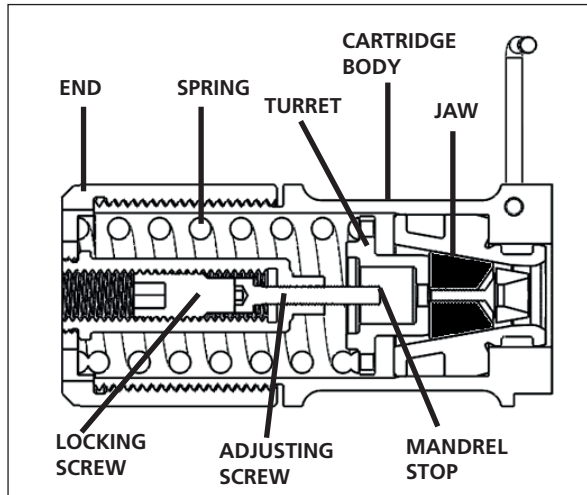
5.3.1 REMOVING THE CARTRIDGE

- Ensure the tool is in home position and mandrel removed from tool.
- Slide forwards the cartridge latch, rotate the cartridge cover upwards to expose the tail jaw cartridge
- Lift cartridge handle and slide cartridge upwards away from the tool
- Fitting the cartridge is the reverse of this procedure



5.3.2 REPLACING THE TAIL JAWS

- Ensure tail jaw cartridge removed from tool
- Carefully clamp cartridge body vertically so end cap is facing upwards
- With a 30mm spanner, unscrew end cap from cartridge body
- Remove cartridge body from clamp remove the spring and jaw turret from body.
- The jaws sit in the jaw turret, replace as necessary.
- Assembly is the reverse of this procedure. Ensure the jaws seat correctly when assembling.



Note: this is a cross-section view of the tail jaw cartridge

5.4 MANDREL



WARNING: While a small amount of wear and marking will naturally occur through the normal and correct use of mandrels, they must be regularly examined for excessive wear and marking, with particular attention to the head diameter, the tail jaw gripping area of the shank or heavy pitting of the shank and any mandrel distortion. Mandrels that fail during use could forcibly exit the tool. It is the customer's responsibility to ensure that mandrels are replaced before any excessive levels of wear and always before the maximum recommended number of placings. Contact your STANLEY Engineered Fastening representative who will let you know what that figure is by measuring the broach load of your application with a calibrated test tool.

5.4.1 LOADING A MANDREL

- Insert a mandrel into the tail end of the fasteners through the paper pod.
- Slide the Mandrel follower spring onto the mandrel ensuring correct orientation as shown below
- Gripping the tail end of the mandrel, tear off the paper pod from around the fasteners.



5.4.2 ADJUSTING THE MANDREL STOP

- Remove the mandrel from tool and ensure tool is in home position.
- Remove tail jaw cartridge
- Referring to figure in section 5.3.2, remove fully the locking screw which is accessible from end cap face
- Using 3mm hex key, adjust adjusting screw as necessary.
- Replace locking screw after setting adjusting screw.

6. SERVICING THE TOOL

6.1 MAINTENANCE FREQUENCY

Item	Frequency
General tool inspection	Daily
Check mandrel for wear or damage	Daily
Check and clean nose jaws	Daily or 10,000 installations
Check and degrease OP-Ring on screw	Weekly
Remove, inspect and clean tail jaws	Weekly
Full dismantle, replace worn components and grease drive assembly	500,000 installations or annually*

*Contact authorized service centre to complete

6.2 CLEANING



ALWAYS wear approved eye protection at all times when cleaning equipment

6.2.1 TOOL EXTERIOR

Keep the brushless motor Exhaust Vent openings free from dust and dirt. If necessary, use a soft, moist cloth to remove dust and dirt from the exhaust vents.



WARNING: Wear approved eye protection and approved dust mask when performing this procedure.



WARNING: Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the plastic materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

6.2.2 APPEARANCE CHECK

Inspect the tool for the following:

- Damage to the Handles, barrel and nose jaws
- Loose components and screws
- Any oil spots on the housings
- Peeling of the over mold (Rubber grip)
- Blockage of Exhaust Vents
- Illegible or missing warning labels

6.3 CHARGER CLEANING INSTRUCTIONS



WARNING: Shock hazard. Disconnect the charger from the AC outlet before cleaning.

Dirt and grease may be removed from the exterior of the charger using a cloth or soft non-metallic brush.

DO NOT use water or any cleaning solutions

6.4 SPARE PARTS – TOOL

For consumables such as nose equipment, mechanical cursors, mandrels and follower springs, we refer you to the accessory manuals which you can find on our website at <https://www.STANLEYEngineeredFastening.com/resource-center/document-library>

Below is a list of available tool spares

Part number	Description	Quantity Per Tool
07151-00403	Tail Jaw	1 Set (2pieces)
75000-02112	Label – Stroke Switcher	1
75000-02209	OP Ring	1
75000-02400	Tail Jaw Cartridge	1
75000-02505	Tail Jaw Cover	1
75000-02507	Retainer	1
75000-02509	Cover Pin	1

For any other non-conforming tool part replacements, contact your local authorized service center who will provide further support and guidance.

6.5 RECHARGEABLE BATTERY PACK

The long-life battery pack must be recharged when it fails to produce sufficient power on jobs which were easily completed before. At the end of its technical life, discard it with due care for our environment:

- Run the battery pack down completely, then remove it from the tool
- Li-Ion cells are recyclable. Take them to your dealer or local recycling station. The collected battery packs will be recycled or disposed of properly.

6.6 PROTECTING THE ENVIRONMENT



Separate collection. This product must not be disposed of with normal household waste. Should you find one day that your STANLEY Engineered Fastening® product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection.

Separate collection of used products and packaging allows materials to be recycled and used again. Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.

Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by the retailer when you purchase a new product.

You can check the location of your nearest authorized repair agent by contacting your local STANLEY Engineered Fastening® representative at the address indicated in this manual.

Alternatively, a list of authorized STANLEY Engineered Fastening® repair agents and full details of our after-sales service and contacts are available on the Internet at: www.STANLEYEngineeredFastening.com

7. EC DECLARATION OF CONFORMITY

Machinery Directive 2006/42/EC

Original

We, **Avdel UK Limited; Stanley House, Works Road, Letchworth Garden City, Hertfordshire, SG6 1JY UNITED KINGDOM**, declare under our sole responsibility that the product:

Description

Speed Rivet Battery Tool

Brand/Model

STANLEY Assembly Technologies 75000-02000

Serial No.

Conforms to the EC Directives 2014/30/EU, 2011/65/EU, 2006/42/EC and the following harmonized standards

Safety:

Machinery Directive

2006/42/EC: EN 62841-1:2015

EMC:

EMC Directive

**2014/30/EU: EN 55014-1:2017
EN 55014-2:2015**

RoHS:

2011/65/EU: EN 63000:2018

Technical documentation is compiled in accordance with Annex 1, section 1.7.4.1, of the following Directive: 2006/42/EC The Machinery Directive (Statutory Instruments 2008 No 1597 - The Supply of Machinery (Safety) Regulations).

The undersigned makes this declaration on behalf of STANLEY Assembly Technologies
Europe



A. K. Seewraj

Director of Engineering - UK

Avdel UK Limited;

Stanley House, Works Road, Letchworth Garden City, Hertfordshire,
SG6 1JY UNITED KINGDOM

Place of issue

Letchworth Garden City, UK

Date of issue

07.07.2020



This machinery is in conformity with Machinery
Directive 2006/42/EC.



STANLEY
Engineered Fastening

8. PROTECT YOUR INVESTMENT

8.1 STANLEY ENGINEERED FASTENING POWER TOOL WARRANTY

STANLEY Engineered Fastening warrants that this tool has been carefully manufactured and that it will be free from defects in material and workmanship under normal use and service for a period of one (1) year. This warranty applies to the first-time purchaser of the tool for original use only.

Exclusions:

Normal wear and tear

Periodic maintenance, repair and replacement parts due to normal wear and tear are excluded from coverage.

Abuse and Misuse.

Defect or damage that result from improper operation, storage, misuse or abuse, accident or neglect, such as physical damage are excluded from coverage.

Unauthorized Service or Modification.

Defects or damages resulting from service, testing adjustment, installation, maintenance, alteration or modification in any way by anyone other than STANLEY Engineered Fastening, or its authorized service centers, are excluded from coverage.

All other warranties, whether expressed or implied, including any warranties of merchantability or fitness for purpose are hereby excluded.

Should this tool fail to meet the warranty, promptly return the tool to our factory authorized service center location nearest you. For a list of STANLEY Engineered Fastening Authorized Service Centers in the US or Canada, contact us at our toll-free number (877)364 2781.

Outside the US and Canada, visit our website **www.STANLEYEngineeredFastening.com** to find your nearest STANLEY Engineered Fastening location.

STANLEY Engineered Fastening will then replace, free of charge, any part or parts found by us to be defective due to faulty material or workmanship, and return the tool prepaid. This represents our sole obligation under this warranty. In no event shall STANLEY Engineered Fastening be liable for any consequential or special damages arising out of the purchase or use of this tool.

8.2 REGISTER YOUR SPEED FASTENING POWER TOOL ONLINE

To register your warranty online, visit us

www.STANLEYEngineeredFastening.com/popavdel-powertools/warranty-card

Thank you for choosing a STANLEY Engineered Fastening STANLEY Assembly Technologies brand tool.

9. TROUBLESHOOTING GUIDE

Symptom	Cause	Remedy
Tool does not operate when trigger is pressed.	Battery is defective	Replace battery
	Battery is not fully charged	Charge battery (4.3.1)
	Battery is not fully seated	Remove battery and re-insert. Reset tool to home.
	Battery pack has reached operating temperature limit through continuous use or defect.	Remove battery & allow to cool. Mount battery and reset tool to home.
	Tail Jaw Cartridge not detected	Insert Tail Jaw Cartridge to the tool
	LED Flashing (1s intervals)	Tool is in reload mode. Hold trigger for >1s to reset to home position
	Tail Jaw Cartridge cover open	Close cartridge cover and lock in place with Cartridge catch
Tool does not return to initial position when trigger is released.	Electrical malfunction.	Remove battery, wait 2 seconds then reinsert. Reset tool to home by operating trigger (4.2.2)
Stroke Selector will not rotate	Tool not at home position (stuck in reload mode)	Pull trigger for >1s until LED flashes at regular 1 second intervals. Position the mandrel, pull trigger for >1s to return the tool to home position.
		Quickly double tap the trigger in reload mode to revert the tool to home position
	Battery removed from tool mid-stroke (tool is stuck in placing mode)	Tool is in placing mode, reload battery to tool and pull trigger to actuate.
	Tool overload in application (Placing mode)	Check application (hole sizes sheet thicknesses) to specification. In Placing mode, pull trigger <0.5second and release trigger to reset position.
	Tool stuck in application (tool is stuck in placing mode)	Mandrel will need to be destroyed to release tool. (grind mandrel head off)
Tool will not place fastener	Battery is defective	Replace battery
	Battery charge is low	Recharge battery
	High broach load	Check fastener grip and application hole size
	Check for correct size mandrel	
	Worn or broken tail jaws	New tail jaws (5.3.2)
	Worn or broken nose jaws	New nose jaws
Clutch noise when placing fastener	Tool is overloaded in application	Check application (hole sizes sheet thicknesses) to specification.