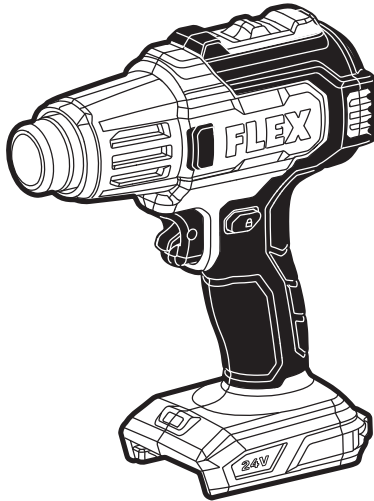


# FLEX

## OPERATOR'S MANUAL



**Model: FXA6321**

**24V HEAT GUN**

**⚠ WARNING:** To reduce the risk of injury, the user must read and understand the Owner's Manual before using this product. Save these instructions for future reference.



Please contact FLEX customer service in Australia 1300 000 346 or  
New Zealand 0508 000 346 any time you have questions or warranty claims.

## SAFETY SYMBOLS

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols and the explanations with them deserve your careful attention and understanding. The symbol warnings do not, by themselves, eliminate any danger. The instructions and warnings they give are no substitutes for proper accident prevention measures.

**⚠ WARNING** Be sure to read and understand all safety instructions in this Owner's Manual, including all safety alert symbols such as “**DANGER**,” “**WARNING**,” and “**CAUTION**” before using this tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

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



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



**DANGER** indicates a hazardous situation which, if not avoided, will result in death or serious injury.



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



**CAUTION**, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, will result in minor or moderate injury.

## SAFETY WARNINGS FOR HEAT GUN

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
  - Hidden areas such as behind walls, ceilings, floors, soffit boards and other panels may contain flammable materials that could be ignited by the heat gun when working in these locations. The ignition of these materials may not be readily apparent and could result in property damage and injury to persons. When working in these locations, keep the heat gun moving in a back-and-forth motion. Lingering or pausing in one spot could ignite the panel or the material behind it.
  - Move the workpiece outdoors. If this is not possible, keep the work area well ventilated. Open the windows and put an exhaust fan in one of them. Be sure the fan is moving the air from inside to outside.
  - Remove or cover any carpets, rugs, furniture, clothing, cooking utensils and air ducts.
  - Place drop cloths in the work area to catch any paint chips or peelings. Wear protective clothing such as extra work shirts, overalls and hats.
  - Work in one room at a time. Furnishings should be removed or placed in the centre of the room and covered. Work areas should be sealed off from the rest of the dwelling by sealing doorways with drop cloths.
  - Children, pregnant or potentially pregnant women and, nursing mothers should not be present in the work area until the work is done and all cleanup is complete.
  - Wear a dust respirator mask or a dual filter (dust and fume) respirator mask which has been approved. These masks and replaceable filters are readily available at major hardware stores. Be sure the mask fits. Beards and facial hair may keep masks from sealing properly. Change filters often. **DISPOSABLE PAPER MASKS DO NOT PROVIDE ADEQUATE PROTECTION.**
  - Use caution when operating the heat gun. Keep the heat gun moving as excessive heat will generate fumes which can be inhaled by the operator.
  - Keep food and drink out of the work area. Wash hands, arms and face and rinse mouth before eating or drinking. Do not smoke or chew gum or tobacco in the work area.
  - Clean up all removed paint and dust by wet mopping the floors. Use a wet cloth to clean all walls, sills and any other surface where paint or dust is clinging. **DO NOT SWEEP, DRY DUST OR VACUUM.** Use a high phosphate detergent or trisodium phosphate (TSP) to wash and mop areas.
  - At the end of each work session put the paint chips and debris in a double plastic bag, close it with tape or twist ties and dispose of properly.
  - Remove protective clothing and work shoes in the work area to avoid carrying dust into the rest of the dwelling. Wash work clothes separately. Wipe shoes off with a wet rag that is then washed with the work clothes. Wash hair and body thoroughly with soap and water.
-  **WARNING**
- Extreme care should be taken when stripping paint. The peelings, residue and vapors of paint may contain lead, which is poisonous. Any pre-1977 paint may contain lead and paint applied to homes prior to 1950 is likely to contain lead. Once deposited on surfaces, hand to mouth contact can result in the ingestion of lead. Exposure to even low levels of lead can cause irreversible brain and nervous system damage; young and unborn children are particularly vulnerable.
  - Before beginning any paint removal process you should determine whether the paint you are removing contains lead. This can be done by your local health department or by a professional who uses a paint analyzer to check the lead content of the paint to be removed. **LEAD-BASED PAINT SHOULD ONLY BE REMOVED BY A PROFESSIONAL AND SHOULD NOT BE REMOVED USING A HEAT GUN.**
  - This appliance must be placed on its stand when not in use.

- A fire may result if the appliance is not used with care, therefore
- be careful when using the appliance in places where there are combustible materials;
- do not apply to the same place for a long time;
- do not use in presence of an explosive atmosphere;
- be aware that heat may be conducted to combustible materials that are out of sight;
- allow the appliance to cool down before storage;
- do not leave the appliance unattended when it is switched on.

**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.

**Use only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.

**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.

**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.

**Do not use a battery pack or appliance that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.

**Do not expose a battery pack or appliance to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.

**Follow all charging instructions and do not charge the battery pack or appliance outside of the temperature range specified in the instructions.** Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.

**Have servicing performed by a qualified repair person using only identical**

**replacement parts.** This will ensure that the safety of the product is maintained.

**Do not modify or attempt to repair the appliance or the battery pack (as applicable) except as indicated in the instructions for use and care.**









**Not for use on humans.**



**Always turn off the heat gun, remove the battery pack, and let it cool down completely before moving or storing.**

**SAVE THESE INSTRUCTIONS**

## SYMBOLS

**IMPORTANT:** Some of the following symbols may be used on your tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

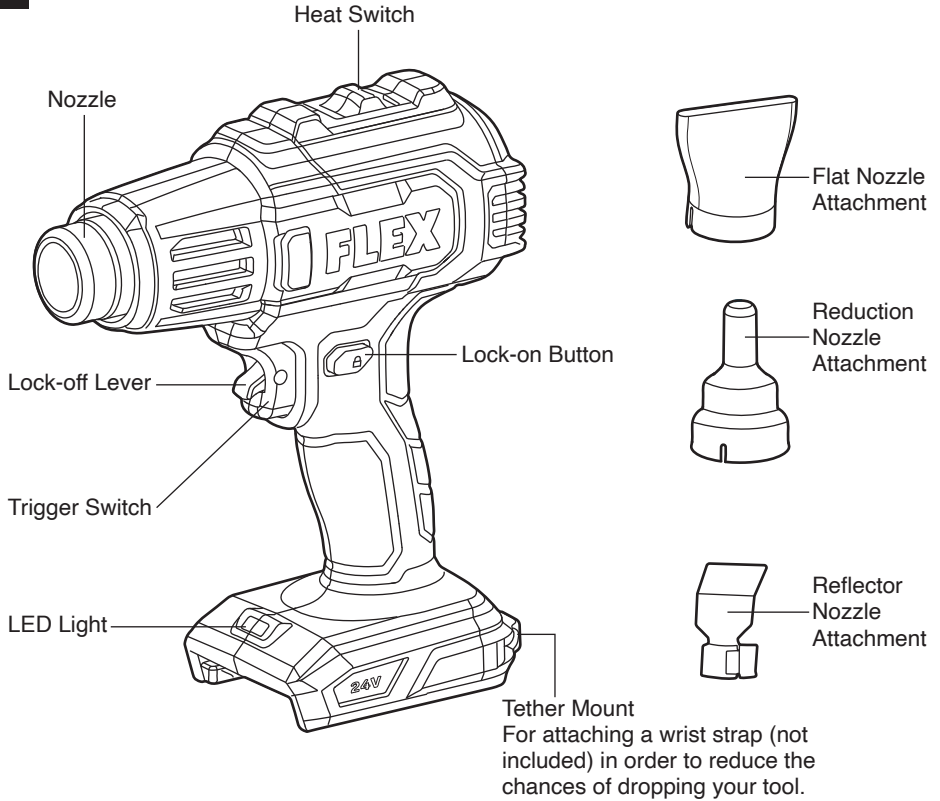
Symbol	Name	Designation/Explanation
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
kg	Kilograms	Weight
min	Minutes	Time
s	Seconds	Time
Wh	Watt-hours	Battery capacity
Ah	Ampere-hours	Battery capacity
∅	Diameter	Size of drill bits, grinding wheels, etc.
$n_0$	No load speed	Rotational speed, at no load
n	Rated speed	Maximum attainable speed
.../min	Revolutions or reciprocations per minute (rpm)	Revolutions, strokes, surface speed, orbits, etc. per minute
O	Off position	Zero speed, zero torque...
1,2,3,... I,II,III,	Selector settings	Speed, torque, or position settings. Higher number means greater speed
	Infinitely variable selector with off	Speed is increasing from 0 setting
	Arrow	Action in the direction of arrow
	Alternating current (AC)	Type or a characteristic of current
	Direct current (DC)	Type or a characteristic of current
	Alternating or direct current (AC / DC)	Type or a characteristic of current
	Class II tool	Designates Double Insulated Construction tools.
	WEEE	Waste electrical products should not be disposed of with household waste. Take to an authorized recycler.
	Read the instructions	Alerts user to read manual

Symbol	Name	Designation/Explanation
 A circular icon with a black border. Inside the circle, a pair of safety glasses is depicted in white against a black background.	Wear eye protection symbol	Alerts user to wear eye protection
 A triangular icon with a black border. Inside the triangle, there is a white checkmark on a black background.	Regulatory compliance mark	This product complies with applicable Australian standards.

# FUNCTIONAL DESCRIPTION AND SPECIFICATIONS

## HEAT GUN

Fig. 1



Model No.	FXA6321
Rated Voltage	24V d. c.
MAX. Airflow	221 L/min
MAX. Heating Temperature	530 °C
Recommended Ambient Operating Temperature	-20 – 40 °C
Recommended Storage Temperature	< 50 °C

### Intended Use

The tool is intended for removing stickers, shrinking PVC wrapping or insulation tubes and other similar applications. Any other operations are not permitted. Otherwise, there is a risk of personal injury.

## ASSEMBLY

**⚠ WARNING** Detach the battery pack from the tool before performing any assembly or adjustments, or changing accessories. Such preventive safety measures reduce the risk of starting the tool accidentally.

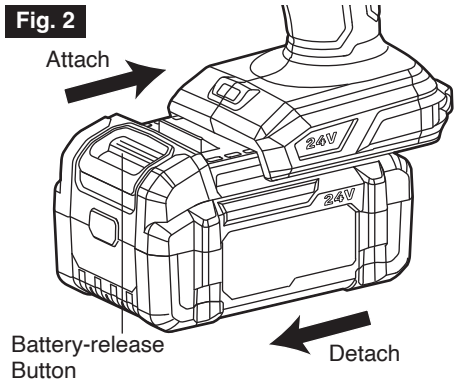
### TO ATTACH/DETACH BATTERY PACK (FIG. 2)

#### To attach the battery pack:

Align the raised rib on the battery pack with the grooves in the tool, and then slide the battery pack onto the tool.

**NOTICE** When placing the battery pack onto the tool, be sure that the raised rib on the battery pack aligns with the groove inside the tool and that the latches snap into place properly. Improper attachment of the battery pack can cause damage to internal components.

**Fig. 2**



#### To detach the battery pack:

Depress battery-release button located on the front of the battery pack to release the battery pack. Pull the battery pack out and remove it from the tool.

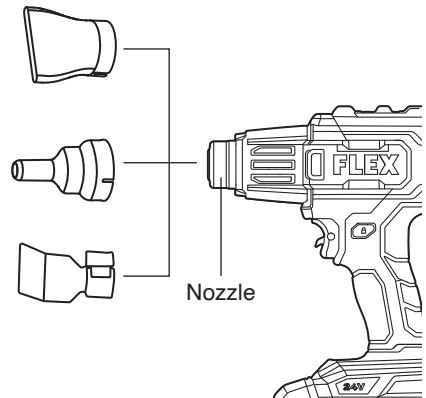
### TO INSTALL/REMOVE NOZZLE ATTACHMENT (FIG. 3)

**⚠ WARNING** To reduce the risk of injury, always hold the heat gun by the plastic enclosure. Do not remove or attach nozzle until tool has cooled to room temperature.

To install, slide the nozzle attachment onto the heat gun nozzle and twist it into place.

To remove, allow tool to cool to room temperature, then twist and pull the nozzle attachment away from tool.

**Fig. 3**



# OPERATING INSTRUCTIONS

**⚠ WARNING** To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your charger or battery pack in fluid or allow a fluid to flow inside them.

Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc. can cause a short circuit.

**⚠ WARNING** If any parts are damaged or missing, do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.

**⚠ WARNING** Do not attempt to modify this tool or create accessories not recommended for use with this tool. Any such alteration or modification is

misuse and could result in a hazardous condition leading to possible serious injury.

**⚠ WARNING** To prevent accidental starting that could cause serious personal injury, always remove the battery pack from the tool when assembling or adjusting parts.

**⚠ WARNING** Always wear eye protection. Eye protection does not fit all operators in the same way. Make sure the eye protection chosen has side shields or provides protection from flying debris both from the front and sides.

This heat gun must be used only with the FLEX 24V series battery packs and chargers.

**NOTICE** Please refer to the battery pack and charger manuals for detailed operating information.

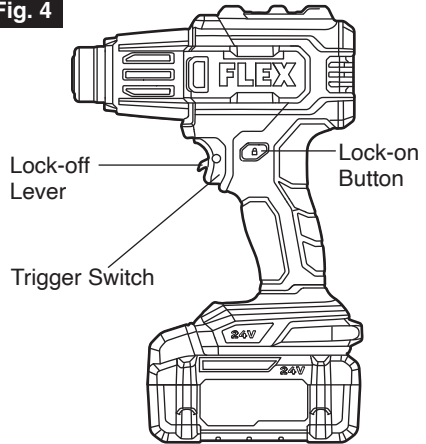
## TRIGGER SWITCH (FIG. 4)

To turn on the tool, lift the lock-off lever up and press the trigger switch.

For continuous operation, press the lock-on button and release the trigger switch. To stop the tool from operating continuously, press the trigger switch again.

To turn off the tool, release the trigger switch.

**Fig. 4**

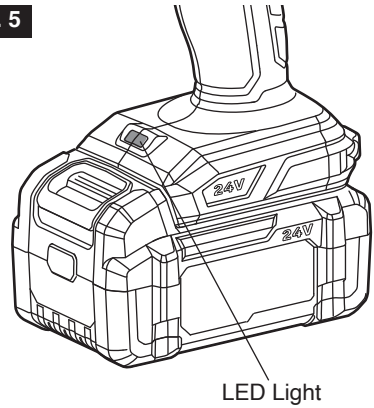


### LED LIGHT (FIG. 5)

The LED light will turn on when the trigger switch is depressed. This provides additional illumination of the work surface.

The LED light will turn off within approximately 10 seconds after the trigger switch is released.

**Fig. 5**

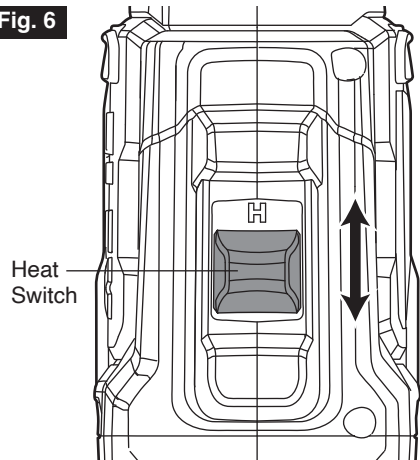


### HEAT SWITCH (FIG. 6)

Slide the heat switch backward for high heat (H) or forward for low heat (L).

The heat gun is capable of producing temperatures in excess of approximately 260 °C on the low heat setting and 530 °C on the high heat setting.

**Fig. 6**



### USING THE HEAT GUN

**⚠ WARNING** To reduce the risk of injury, do not remove or install nozzle attachment until tool has cooled to room temperature.

**⚠ WARNING** Do not position the nozzle too close to the workpiece that you are using the heat gun on. The resulting air blockage can lead to the heat gun overheating.

**⚠ WARNING** Make sure the nozzle always points away from you and any bystanders.

The distance between the nozzle and the workpiece depends on the material you are working on (metal, plastic, etc.) and the intended working method.

The optimum temperature for each application can be determined by a practical test.

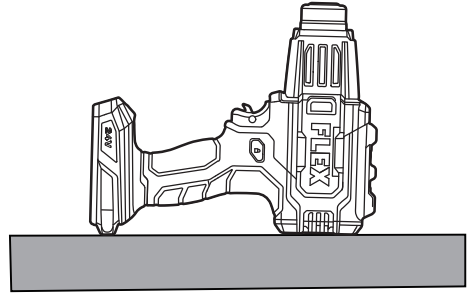
Always test the amount of air and temperature first. Start at a greater distance and the low heat setting. Then adjust the distance and heat setting according to requirements.

If you are unsure what material you are working on or what effect the hot air might have on it, first test the effect on a concealed area.

You can work without nozzle attachments, however, using the recommended nozzle attachment will simplify the work and considerably increase the quality of the result.

During breaks, remove the battery pack and place the heat gun on its stand as shown in Fig. 7.

**Fig. 7**



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### **REMOVING VARNISH/LOSENING ADHESIVES**

Fit the flat nozzle attachment. Briefly soften the varnish with hot air and remove it with a clean spatula. Long heat exposure burns the varnish and makes removal more difficult.

Many adhesives can be softened using heat. By heating adhesives, you can break connections or remove excess adhesive.

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### **SOFT SOLDERING**

Fit the reduction nozzle attachment. If you are using solder without flux, apply soldering grease or paste to the solder joint.

Heat the solder joint and apply the solder. The solder must be melted by the temperature of the workpiece.

If necessary, remove the flux after the solder joint has cooled down.

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### **HEAT-SHRINKING**

Fit the reflector nozzle attachment.

Choose the diameter of the heat shrink plastic tube suitable for the workpiece. Evenly heat the heat shrink plastic tube until it fits closely against the workpiece.

## MAINTENANCE

### SERVICE



**WARNING** Preventive maintenance performed by unauthorised personnel may result in misplacing of internal wires and components which could cause a serious hazard. We recommend that all tool service be performed by a FLEX Factory Service Centre or Authorised FLEX Service Station.

### GENERAL MAINTENANCE



**WARNING** When servicing, use only identical replacement parts. Use of any other parts could create a hazard or cause product damage. Periodically inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc. Tighten securely all fasteners and caps and do not operate this product until all missing or damaged parts are replaced. Please contact customer service or an Authorised service centre for assistance.



**WARNING** To avoid serious personal injury, always remove the battery pack from the charger/tool when cleaning or performing any maintenance.

### CLEANING

After each use, examine and clean the nozzle and air vents.



**WARNING** Certain cleaning agents and solvents damage plastic parts. Some of these are: gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household detergents that contain ammonia.

### STORAGE

Store the tool indoors in a place that is inaccessible to children. Keep away from corrosive agents.

## ACCESSORIES



**WARNING** The use of any other accessories not specified in this manual may create a hazard.

Reflector Nozzle  
Flat Nozzle  
Reduction Nozzle

## WARRANTY STATEMENT

Chervon Australia Pty Ltd (ABN 36 165 077 501) of Unit 14,5 Kelletts Road, Rowville, Victoria, 3178, and Chervon New Zealand Subsidiary Ltd (NZBN 9429049277616) (**Chervon**) provides the following warranty (**Warranty**) to original domestic purchasers in Australia and New Zealand as applicable (**Customers**) of its FLEX24V Tools, FLEX24V Batteries and Chargers and FLEX STACK PACK Storage System (collectively **Products**).

The benefits of this Warranty are in addition to any rights and remedies imposed by Australian State and Federal or New Zealand legislation that cannot be excluded. Nothing in this Warranty is to be interpreted as excluding, restricting or modifying any legislation relevant to the supply of goods and services in Australia or New Zealand, as applicable, which cannot be excluded, restricted or modified.

In Australia, if the claimant is a “consumer” under the *Australian Consumer Law*, Chervon confirms the following:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

## WARRANTY

Chervon warrants that, subject to the terms of this Warranty and the exclusions and limitations contained herein, the Products will be free from defects in materials and workmanship for the following period, as applicable, calculated from the date of purchase of the Product (**Warranty Period**):

- If the Customer registers its purchase of the Product online at [www.flex-tools.com.au](http://www.flex-tools.com.au) in Australia or [www.flex-tools.co.nz](http://www.flex-tools.co.nz) in New Zealand within 30 days of the date of its purchase (**Registration**), the Warranty Period for the following Products is as follows
  - FLEX 24V Tools: 5 years;
  - FLEX 24V Batteries and Chargers: 5 years;
  - FLEX Stack Pack™ Storage System: 1 year;
  - FLEX Accessories & Consumables: Space between 90 and Days
- If the Customer fails to complete Registration as outlined above, the Warranty Period for the following Products is as follows:
  - FLEX 24V Tools: 3 years;
  - FLEX 24V Batteries and Chargers: 3 years;
  - FLEX Stack Pack™ Storage System: 1 year;
  - FLEX Accessories & Consumables: 90 Days

For further clarification and avoidance of doubt please refer to the FLEX product warranty table included below.

If, before the end of the Warranty Period, a defect appears in the manufacture or assembly of a Product, and Chervon finds the Product to be defective in materials or workmanship, it will, in its sole discretion, either:

- replace or repair the Product or the defective part of the Product free of charge; or
- cause the Product or the defective part of the Product to be replaced or repaired free of charge.

Chervon reserves the right to replace a defective Product or part of a Product with parts and components of similar quality, grade and composition where an identical part or component is not available. Where the product is repaired, Chervon may use refurbished parts.

## WARRANTY CLAIMS

1. If a defect covered by Warranty appears, you must first contact Chervon:
  - (a) by telephone on 1300 000 346 (AU); or 0508 000 346 (NZ); or
  - (b) by email at support@flex-tools.com.au.
2. Any Warranty claim must be accompanied by:
  - (a) proof of purchase;
  - (b) full details of the alleged defect;
  - (c) photo evidence of the alleged defect; and
  - (d) any other relevant documents.
3. You must allow Chervon or its authorised agent to inspect and test the Product. If that inspection and test finds no defect in the Product, you must pay Chervon's usual service and testing costs.
4. Unless otherwise agreed in writing by Chervon, you must pay the cost of transporting the Product to and from Chervon or Chervon's authorised agent and any related insurance cost. Any handling and transportation costs (and other expenses incurred in claiming this warranty) are not covered by this warranty and will not be borne by Chervon.
5. The replacement product or part, or repaired product will be made available for your collection at an address nominated by Chervon.
6. Customers are responsible for the care and cleaning of their product prior to sending it to back to Chervon or its nominated authorised repair agents. Any product being sent for repair must be cleaned. It is an Occupational/Work Health and Safety risk for our staff or authorised repairers to inspect, repair or service a product that has come into contact with a hazardous substance.
7. If Chervon or its authorised repair agent is to inspect, repair or service a product that has come into contact with a hazardous substance such as asbestos, silica dust or other hazardous substance then we may not be able to inspect, service or repair the product. If this is the case, Chervon reserves the right to refuse repair under these circumstances and will inform the customer and the product will be returned at the customer's expense.

## EXCLUSIONS

The Warranty does not apply if:

- (a) the Product is not supplied in its final shape and form by Chervon or an authorised FLEX Dealer, which can be confirmed on the website store locator (for avoidance of doubt, third party online stores such as eBay, Gumtree, Amazon, etc. are excluded);
- (b) the Product is altered, modified or repaired by a party other than Chervon or its agent;
- (c) the Product is used other than for its designed purpose;
- (d) the Product is used for rental purposes
- (e) the Product is used or installed other than in accordance with Chervon's instructions;
- (f) the Product has not been maintained or protected in accordance with Chervon's instructions;
- (g) the Product has been subject to abnormal conditions;
- (h) the product suffers normal deterioration of the exterior finish, including but not limited to scratches, dents, paint chips, or to any corrosion or discolouring by heat, abrasive and chemical cleaners.
- (i) the Product is involved in an accident;
- (j) Chervon cannot find any defect in the Product after testing, inspection and assessment;
- (k) the alleged defect is due to abuse, misuse, neglect (including failure to clean) or accident;

- (l) the alleged defect is due to a failure to properly maintain or use the Product;
- (m) the alleged defect in the Product is within acceptable industry standards or tolerances; or
- (n) the alleged defect is due to a request to customise the Product.
- (o) the alleged defect is due to normal wear and tear, misuse or abuse (including overloading of the product beyond capacity and exposure to water or rain)
- (p) The alleged defect has been used or caused due to continuous industrial use

The Warranty does not extend to:

- (a) damage or defects caused by normal wear and tear;
- (b) the Products being damaged by you or a third party;
- (c) accidental or wilful damage, or misuse; or
- (d) theft or vandalism.

This Warranty does not extend to other accessories or attachments.

## LIMITATIONS

Chervon makes no express warranties or representations other than as set out in this document. Chervon will not be liable to you or any other person in connection with this Warranty for any:

- (a) consequential or indirect loss, damage or costs incurred by you or any other person; or
- (b) damage to property, loss of turnover, loss of profits, loss of business or loss of good will.

## CONTACT

For Warranty Service or to make a claim please contact Chervon on the details below between the hours of Monday to Friday 9:00am to 5:00pm EST/NZST (as applicable)

Chervon Australia Pty Ltd

Unit 14, 5 Kelleets Rd, Rowville, VIC. 3178.

Ph Australia; 1300 000 346. Email: support@flex-tools.com.au

Chervon New Zealand Subsidiary Ltd

4th Floor, Smith & Caughey Building, 253 Queen St, Auckland, 1141.

Ph New Zealand; 0508 000 346. Email: support@flex-tools.com.au

	NON REGISTER	REGISTRATION WITHIN 30 DAYS OF PURCHASE
PRODUCT OR MODEL #	LIMITED STANDARD WARRANTY PERIOD	LIMITED WARRANTY PERIOD WITH REGISTRATION WITHIN 30 DAYS FROM DATE OF PURCHASE*
FLEX 24V Lithium-ion power tools	3 Years	5 Years
FLEX 24V Lithium-ion Batteries and Chargers	3 Years	5 Years
FLEX Accessories & Consumables	90 Days	90 Days
FLEX STACK PACK™ Storage system	1 Year	1 Year

\*Original purchaser must register the product(s) within 30 days of purchase and retain their receipt as proof of purchase. This warranty applies only to the original purchaser from an authorised FLEX dealer and may not be transferred. If original purchaser does not register their product within 30 days, the warranty will apply for the duration set out in table above in column 'LIMITED STANDARD WARRANTY PERIOD'. For avoidance of doubt please refer to warranty table above and full warranty details in this manual or on our website at [www.flex-tools.com.au](http://www.flex-tools.com.au)