

CTGJP10

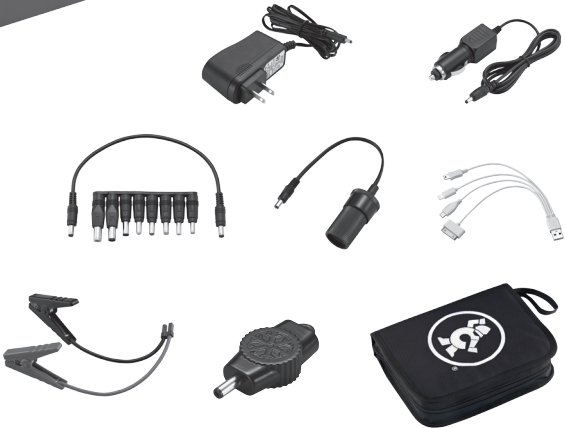
Mini Jump Pack



WARNING

ALWAYS READ
INSTRUCTIONS BEFORE
USING JUMP STARTERS

ALWAYS WEAR
SAFETY GOGGLES



SPECIFICATIONS

Battery Type	12000mAh (36Wh) Lithium Iron Phosphate Battery
Charger	15V/1.0A AC/DC Adapter
DC Outlet (with 120W overload protection)	19V/3.5A
DC Outlet (with 120W overload protection)	12V/8A
USB	5V/2.1A
Peak Amps	.600A
Cranking Amps	.300A
High Power LED	1W
Size and Length of Jump Cable and Clamps	8AWG/12" Pos./10.4" Neg.
Working Temperature	32°F - 140°F (0°C - 60°C)
Working Temperature (w/ Low Temp. Adapter)	-4°F - 140°F (-20°C - 60°C)
Dimension of Jump Starter (L x W x H)	7-1/2" x 3-15/16" x 1-9/16"
Weight	1.65 lbs.

⚠ WARNING

FAILURE TO OBSERVE THESE WARNINGS COULD RESULT IN INJURY.



THIS INSTRUCTION MANUAL CONTAINS IMPORTANT SAFETY INFORMATION. SAVE THESE INSTRUCTIONS. READ THIS INSTRUCTION MANUAL CAREFULLY AND UNDERSTAND ALL INFORMATION BEFORE OPERATING THIS TOOL.

- It is the responsibility of the owner to make sure all personnel read this manual prior to using this device. It is also the responsibility of the power pack booster owner to keep this manual intact and in a convenient location for all to see and read. If the manual or product labels are lost or not legible, contact Cornwell for replacements. If the operator is not fluent in English, the product and safety instructions shall be read to and discussed with the operator in the operator's native language by the purchaser/owner or his designee, making sure that the operator comprehends its contents.
- **RISK OF EXPLOSIVE GASES**
- **WORKING IN THE VICINITY OF AN AUTOMOTIVE LEAD-ACID BATTERY IS DANGEROUS. BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL OPERATION.**
- **IT IS IMPORTANT THAT YOU FOLLOW THESE INSTRUCTIONS EACH TIME YOU USE THE UNIT.**
- **NEVER ALLOW CLAMPS TO TOUCH TOGETHER OR CONTACT THE SAME PIECE OF METAL**
- To reduce the risk of battery explosion, follow these instructions and those published by the battery manufacturer and the manufacturer of any equipment you intend to use in the vicinity of a battery. Review cautionary markings on these products and on the engine.
- **RISK OF ELECTRIC SHOCK OR FIRE.**
- Keep out of reach of children.
- Do not put fingers or hands into any of the unit's outlets.
- Do not expose the unit to rain or snow.
- Use only recommended attachments. Use of an attachment not recommended or sold by Cornwell may result in a risk of fire, electric shock or injury to persons or damage to property.



- To reduce the risk of damage to the electric plug or cord, pull by the plug rather than the cord when disconnecting the unit.
- Do not operate the unit with damaged cables or clamps.
- Do not operate the unit if it has received a sharp blow, been dropped or otherwise damaged in any way; take it to a qualified service person.
- Do not disassemble the unit; take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock.
- To reduce the risk of a battery explosion, follow these instructions and those published by the battery manufacturer and the manufacturer of any equipment you intend to use in the vicinity of the battery. Review the cautionary markings on these products and on the engine.
- Do not set the unit on flammable materials, such as carpeting, upholstery, paper, cardboard, etc.
- Never place the unit directly above battery being jumped.
- Do not use the unit to power pack booster a vehicle while charging the internal battery.
- Do not charge the power pack booster in sealed vehicle exposed to the sun, high temperature condition and/or high humidity environment.
- Do not use the power pack booster if it is in abnormal condition such as bulged, leakage, smell, etc.
- Do not place the power pack booster in microwave oven, pressurized container or vacuum chamber.
- Do not attempt to disassemble or modify the unit. Please contact your local distributor if the product has any problems.
- This product may contain one or more chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. *Wash hands thoroughly after handling.*

⚠ WARNING



- **WARNING! RISK OF EXPLOSIVE GASES. A SPARK NEAR THE BATTERY MAY CAUSE A BATTERY EXPLOSION. TO REDUCE THE RISK OF A SPARK NEAR THE BATTERY:**

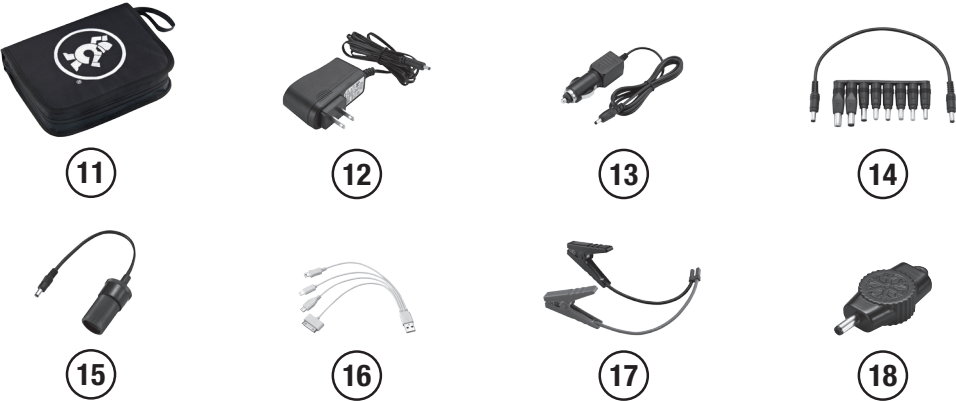
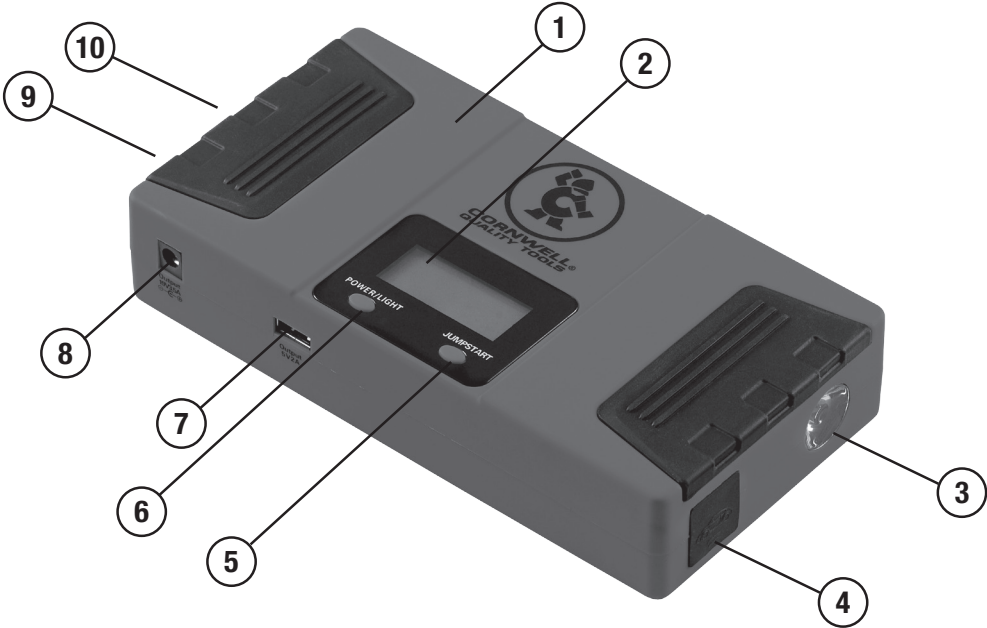


- NEVER smoke or allow a spark or flame in the vicinity of a battery or engine.
- Remove personal metal items such as rings, bracelets, necklaces and watches when working with a lead-acid battery. A lead-acid battery can produce a short-circuit current high enough to weld a ring to metal, causing a severe burn.
- Be careful with tools around your battery. It might spark or short-circuit the battery or other electrical part that may cause an explosion.
- Do not permit the internal battery of the unit to freeze. Never charge a frozen battery.
- To prevent sparking, NEVER allow clamps to touch together or contact the same piece of metal.



- Consider having someone nearby to come to your aid when you work near a lead-acid battery.
- Have plenty of fresh water, soap and baking soda nearby for use, in case battery acid contacts your eyes, skin, or clothing.
- Wear complete eye and body protection, including safety goggles and protective clothing. Avoid touching your eyes while working near the battery.
- If battery acid contacts your skin or clothing, immediately wash the area with soap and water. If acid enters your eye, immediately flood the eye with cold running water for at least 10 minutes and get medical attention right away.
- If battery acid is accidentally swallowed, drink milk or water. DO NOT induce vomiting. Seek medical attention immediately.
- Neutralize any acid spills thoroughly with baking soda.

FEATURES AND REPLACEMENT PARTS



Ref. #	Item #	DESCRIPTION	QTY	Ref. #	Item #	DESCRIPTION	QTY
1		Mini Jump Pack	1	11	CTGJP1001	Nylon Case	1
2		LCD Display	1	12	CTGJP1006	AC Charger	1
3		High Power Light	1	13	CTGJP1007	DC/DC Adapter	1
4		Jumpstart Socket/Cover	1	14	CTGJP1003	19V Cable and Connector for Laptops	1
5		Jumpstart Button	1	15	CTGJP1002	12V DC Cigarette Adapter	1
6		Power/Light Button	1	16	CTGJP1004	5V USB Charging Cable	1
7		5V/2.1A USB Outlet	1	17	CTGJP1005	Jump Cable and Clamps	1
8		19V/3.5A Outlet	1	18	CTGJP1008	Low Temperature Adapter	1
9		15V/1A Input Port	1				
10		12V/8A Outlet	1				

Only accessories identified by item # above are available for purchase.

PREPARING THE UNIT

- **WARNING! RISK OF CONTACT WITH BATTERY ACID. BATTERY ACID IS A HIGHLY CORROSIVE SULFURIC ACID.**
- Make sure the area around the battery is well ventilated while the unit is in use.
- Clean the battery terminals before using the jump pack. During cleaning, keep airborne corrosion from coming into contact with your eyes, nose and mouth. Use baking soda and water to neutralize the battery acid and help

eliminate airborne corrosion. Do not touch your eyes, nose or mouth.

- Determine the voltage of the battery by referring to the vehicle owner's manual and make sure that the output voltage of the jump starter is correct. This jump pack is designed to start a 12 volt system vehicle.
- Make sure that the unit's cable clamps make secure connections.

OPERATING INSTRUCTIONS

JUMP START THE VEHICLE

- **WARNING! A SPARK NEAR THE BATTERY MAY CAUSE A BATTERY EXPLOSION.**
- **DO NOT USE THE JUMP STARTER WHILE CHARGING THE INTERNAL BATTERY.**
- **MAKE SURE THE IGNITION IS TURNED OFF.**

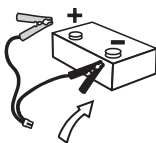
STEP 1:

Press the <POWER/LIGHT> button to turn the jump pack on and determine the state of the battery charge. LCD displays the internal battery status and voltage. Make sure the battery capacity is more than 60%.



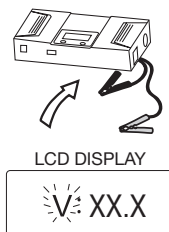
STEP 2:

Connect the Red clamp to the positive (+) terminal and Black clamp to negative (-) terminal.

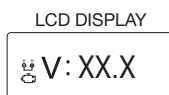


STEP 3:

Plug the jumper cables into the jump starter socket, the flashing <V> on the LCD display and 3 digits indicate the vehicle's battery voltage.

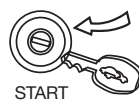


Press the <JUMPSTART> button. The jump start icon appears on the LCD display.



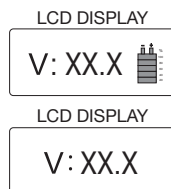
STEP 4:

Prior to attempting to start the vehicle, make sure all vehicle accessories are turned off (examples: head lights, radio, AC/heater fan). Attempt to start the vehicle normally.

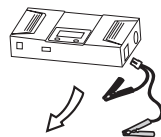


STEP 5:

After successfully starting, the jump pack will automatically disable the output to avoid reverse charging. Two symbols display repeatedly: the internal battery and vehicle battery voltage.

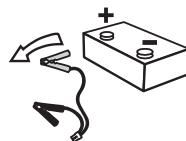


Press and hold the <POWER/LIGHT> button until the unit powers down. Remove the jumper cables from jump starter.



STEP 6:

Disconnect the clamps and recharge the jump starter as soon as possible after use.



NOTE: Please wait for 10 minutes after several failed attempts before attempting to start the vehicle again. If the vehicle does not start within 5 seconds, let the jump pack cool for 3 minutes before attempting to start the vehicle again or you may damage the jump pack. Please ensure that you unplug the AC/DC charger or Low Temperature Adapter after charging or each use. Should you hear a beeping sound then please unplug the AC/DC charger.

LOW TEMPERATURE MODE

If the ambient temperature is below 32°F (0°C), the cranking performance will decrease sharply and may not start the vehicle successfully. A special adapter has been included to assist in cold weather jumping.

1. After turning on the jump pack by pressing the <Power/Light> button, if the internal temperature of the unit is below 32°F, the temperature will be displayed on the LCD. Please insert the "Low Temperature Adapter" into the 15V/1A input.
2. Follow the operating instructions on page 5 to jump start your vehicle. It may take several attempts to start the vehicle before the internal battery warms up enough to provide sufficient current to start your vehicle.

USING USB 5V/2.1A OUTLET

The jump pack is a DC power source for DC accessories that are equipped with a USB plug.

1. Press the <POWER/LIGHT> button to turn on the jump pack.
2. Plug the USB charging cable into the USB outlet.
3. Plug the other end of the cable into your device. (Choose the proper plug for your device).
4. When finished using the USB outlet, turn off the device (if necessary) and unplug the device.
5. Press and hold the <POWER/LIGHT> button until the unit shuts down, or wait 2 minutes and the unit will automatically turn off.
6. Recharge the jump pack immediately after unplugging the device.

USING DC 12V 8A OUTLET

The jump pack is also a DC power source for DC devices that are equipped with a cigarette plug.

1. Make sure the device to be powered is OFF before inserting the cigarette plug into the cigarette outlet.
2. Plug the cigarette outlet cable into the jump pack's 12V outlet.
3. Press <POWER/LIGHT> button to turn on the jump pack.
4. Plug your device into the cigarette outlet and turn on the device (if required).
5. When finished, turn off the device (if required) and disconnect the device.

6. Press and hold the <POWER/LIGHT> button until the unit shuts down or wait 2 minutes and the jump pack will turn off automatically.
7. Recharge the jump pack immediately after unplugging the device.

USING DC 19V 3.5A OUTLET

The jump pack is also a DC power source for DC devices that are equipped with a 19V accessory plug.

1. Plug the 19V cable into the jump pack's 19V outlet.
2. Press <POWER/LIGHT> button to turn on the jump pack.
3. Plug the other end of the cable into your device (choose the proper plug for your device). Turn the device on (if necessary).
4. When finished using the 19V outlet, turn off the device (if necessary) and unplug the device.
5. Press and hold the <POWER/LIGHT> button until the unit shuts down or wait 2 minutes and the jump pack will turn off automatically.
6. Recharge the jump pack immediately after unplugging the device.

NOTE: The maximum power output of the 5V, 12V and 19V is 120W; the socket output will shut down automatically if the power of the device is over 120W. External devices must be disconnected before the power pack booster can be turned off.

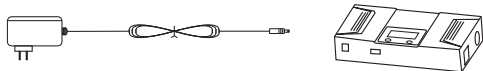
USING HIGH POWER LED LIGHT

1. Press the <POWER/LIGHT> button to turn the unit on.
2. Short press <POWER/LIGHT> button to switch between 3 different LED light modes. First: On; Second: strobe; Third: SOS; Fourth: Off.
3. Press and hold the <POWER/LIGHT> button until the unit shuts down or wait 2 minutes and the jump pack will turn off automatically.

CHARGING THE INTERNAL BATTERY

- **IMPORTANT! CHARGE IMMEDIATELY AFTER PURCHASE, AFTER EACH USE AND EVERY 6 MONTHS. ALWAYS KEEP THE INTERNAL BATTERY FULLY CHARGED.**

CHARGED BY AC ADAPTER

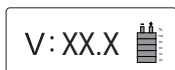


1. Plug the AC adapter into jump start's charging port.
2. Connect the AC adapter to a 100-240VAC electrical wall outlet. The LCD displays <CHARGING>.
3. <CHARGING> disappears on the LCD when the internal battery is fully charged. The jump pack will stop charging automatically.
4. Disconnect the AC adapter from the AC outlet and then unplug the AC adapter from the jump pack.

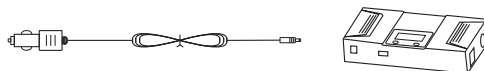
LCD DISPLAY
CHARGING



LCD DISPLAY
FULLY CHARGED

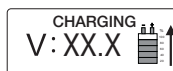


CHARGED BY DC ADAPTER (cigarette charger) while driving

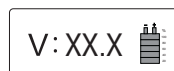


1. Plug the DC adapter into jump pack's charging port.
2. Connect the DC adapter to the vehicle's cigarette outlet. The LCD displays <CHARGING>.
3. <CHARGING> disappears on the LCD when the internal battery is fully charged. The jump pack will stop charging automatically.
4. Disconnect the DC adapter from the cigarette outlet and then unplug the DC adapter from the jump pack.
5. Do not leave the unit plugged in while the ignition is "OFF". Doing so could drain the vehicle's battery.

LCD DISPLAY
CHARGING



LCD DISPLAY
FULLY CHARGED



MAINTENANCE AND CARE

- **NOTE:** The jump pack will automatically turn off after 2 minutes with no output.
- Only use the AC/DC and DC/DC adapters included with your jump starter to recharge this unit. Use of unapproved power adapters will shorten the life of the battery and void the warranty.
- Charge your jump pack immediately after purchasing.
- Recharge the jump pack battery after each use and charge at least once every 6 months even if not used.
- When stored, keep the jump pack fully charged.
- Always ensure that the clamps are clean and that the jumper cables are free from damage prior to using.
- Keep your jump pack clean by wiping it with a dry cloth. Do not use solvents as a cleaning agent.
- Store the jump pack at a temperature between 40°F and 104°F (4°C - 40°C).

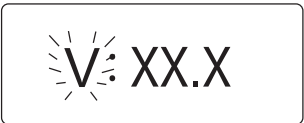
TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	REMEDIES
"F01" flashing on LCD display when jump starting	The ignition was switched on for more than 8 seconds	<ol style="list-style-type: none"> 1. Wait for 2 minutes until jump pack automatically shuts down or press the <POWER/LIGHT> button until the unit shuts off 2. Turn on the jump pack via pressing <POWER/LIGHT> button 3. Make sure the jump pack is functioning normally before attempting to operate again
"F02" flashing on LCD display when jump starting	The internal battery has gone below 8V more than 1 second	<ol style="list-style-type: none"> 1. Wait for 2 minutes until jump pack automatically shuts down or press the <POWER/LIGHT> button until the unit shuts off 2. Turn on the jump pack via pressing <POWER/LIGHT> button 3. Check the battery capacity. If lower than 60%, charge it fully before attempting to operate again
"F03" flashing on LCD display when jump starting	The internal battery has reached a temperature over 140°F (60°C).	<ol style="list-style-type: none"> 1. Wait for 2 minutes until jump pack automatically shuts down or press the <POWER/LIGHT> button until the unit shuts off 2. Allow the jump pack to cool down to the ambient temperature 3. Turn on the jump pack via pressing <POWER/LIGHT> button. Make sure the jump pack is functioning normally before attempting to operate again
"F04" flashing on LCD display and beeping sound when charging 5V, 12V or 19V device	The combined output of the 5V, 12V, and 19V outputs is over 120W	<ol style="list-style-type: none"> 1. Disconnect device from jump pack 2. Wait for 5 seconds until jump pack automatically shuts down or press the <POWER/LIGHT> button until the unit shuts off 3. Turn on the jump pack via pressing <POWER/LIGHT> button
Beeping sound when connected to the vehicle battery	<ol style="list-style-type: none"> 1. Cables are connected to the wrong battery terminals. 2. System voltage is > 16V 	<ol style="list-style-type: none"> 1. Disconnect the jump pack and reverse the clamps 2. Make sure the electrical system of the vehicle being started is 12V
Beeping sound and output shut down when powering 5V, 12V or 19V device	The internal battery has gone below 11.5V	Check the internal battery capacity and recharge it if necessary
The vehicle can not be jump started and jump start icon will not appear on LCD display	<ol style="list-style-type: none"> 1. Improper clamp connection 2. Internal battery voltage is low 3. Vehicle battery is defective 4. The jump pack is cold 	<ol style="list-style-type: none"> 1. Check and make sure the connections are correct 2. Check the internal battery capacity and recharge it if necessary 3. Ensure that the vehicle's battery voltage is greater than 2V 4. If the unit is colder than 32°F, ensure that the Low Temperature Adapter is plugged into the 15V/1A charging port before attempting to start. The internal battery must warm up before it will deliver optimal performance
External device will not charge	<ol style="list-style-type: none"> 1. Improper clamp connection 2. The power adapter cable is defective 3. Too low capacity of the internal battery, the jump pack is in over discharge protection mode 	<ol style="list-style-type: none"> 1. Check and make sure the connections are correct 2. Change to a new adapter cable 3. Check the internal battery capacity and recharge it if necessary
Cannot turn on the jump pack	Capacity of the internal battery is low	<ol style="list-style-type: none"> 1. Check the internal battery capacity and recharge it if necessary. 2. If not successful, try the reset function (quick click the reset button inside the small hole under the bottom sticker).

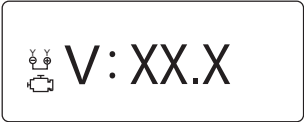
SYMBOL MESSAGES



The jump pack battery voltage and charge status



The vehicle battery voltage



Solid jump start symbol indicates jump start function ready to use



<CHARGING> symbol indicates jump pack is charging



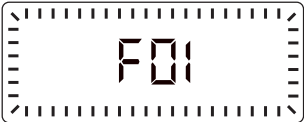
<CHARGING> symbol disappears indicating jump pack is fully charged



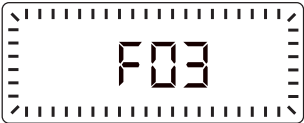
Temperature of the internal battery when it is below 32°F (0°C)



After successfully starting, two symbols display repeatedly - the jump pack battery voltage and vehicle battery voltage



Error Codes:
See Troubleshooting (pg. 8)



WARRANTY

Cornwell Quality Tools Company (Cornwell) warrants this Jump Pack (excluding accessories) against defects in material and workmanship for a period of ONE (1) YEAR from the date of original retail purchase. Subject to the conditions and limitations set forth below, Cornwell will, at its option, either repair or replace any part of the product(s) that proves defective by reason of improper workmanship or materials.

This warranty does not cover any damage to this product that results from accident, abuse, misuse, natural or personal disaster, or any unauthorised disassembly, repair, or modification. Repairs, disassembly and modification are only authorised to be made by Cornwell or a Cornwell Authorized Warranty Center.

WARRANTY SERVICE

In order to have your tool warrantied, return the tool to your Authorized Cornwell Dealer. Please include a copy of your proof of purchase and a brief description of the problem. The tool will be inspected and if any part or parts are found to be defective in material or workmanship, the tool will be repaired or replaced, without charge, at the discretion of Cornwell Tools.

EXCLUSIONS AND LIMITATIONS

THIS WARRANTY AND THE REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED. CORNWELL SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, TO THE EXTENT PERMITTED BY APPLICABLE LAW, ANY WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF CORNWELL CANNOT LAWFULLY DISCLAIM IMPLIED WARRANTIES UNDER THIS LIMITED WARRANTY, ALL SUCH IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

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ANY TOOL THAT HAS BEEN SERVICED BY THE USER OR BY AN UNAUTHORIZED SERVICE CENTER WILL SUBSEQUENTLY VOID THE WARRANTY OF THE TOOL. MISUSE/ABUSE OF A PRODUCT IS NOT COVERED UNDER WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages or exclusions or limitation on the duration of implied warranties or conditions, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary by state. Repair kits and replacement parts are available for many Cornwell products, regardless of whether or not the product is still covered by a warranty plan.