

# CP8849 & CP8849-2

Cordless 1/2" Impact Wrenches



***The first cordless 1/2" impact wrenches with 2 shut-off positions going up to 850+ ft.lbs / 1150+ Nm.***

People.  
Passion.  
Performance.



**Chicago  
Pneumatic**

# CP8849 / CP8849-2

## Cordless 1/2" Impact Wrenches

Our expertise in air impact wrenches combined with the convenience and mobility of battery power



**CONVENIENT**  
4 Front LED lights for dark spaces



**HIGH RESISTANCE TO DROP**

- 5 bumpers all around the tool
- 1 in front of the clutch housing

**HIGH DURABILITY**

Brushless motor

**BRUSHLESS**

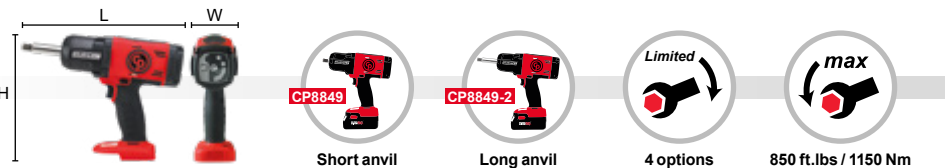
**HIGH COMFORT**

Soft thermo plastic rubber grip

**LONG RUNTIME & EFFICIENCY**

- Li-ion 4 or 6 Ah battery
- Fuel gauge
- Rubbers dampeners absorbing impacts & shocks

Bare Tool*	Length		Height excl. battery		Width	
	in.	mm	in.	mm	in.	mm
CP8849	10.0	255	8.85	225	3.46	85
CP8849-2	10.9	303	8.85	225	3.46	85



Bare Tool*	Bare Tool Part Number	Square drive	Free speed		Max torque		Break-away torque		Working torque		Tool weight w/o battery		Tool weight with battery		Vibration level - a (k)	Sound level	Sound power	Battery type		Charging time
			in.	RPM	ft.-lbs.	Nm	ft.-lbs.	Nm	ft.-lbs.	Nm	lbs.	kg	lbs.	kg				Volt	Ah	
CP8849	894 108 8498	1/2	1900	2500	850	1150	1400	1900	50 - 740	68 - 1000	7.90	3.59	6.08	2.76	16.8 (6.1)	88.7	99.7	20	4 or 6	90
CP8849-2	894 108 8499	1/2	1900	2500	850	1150	1400	1900	50 - 740	68 - 1000	8.05	3.65	6.08	2.76	16.8 (6.1)	88.7	99.7	20	4 or 6	90

\*Tool only, without batteries nor charger

Listed specifications are for reference only. Please check tool documentation.

# OPTIMUM USER FOCUSED PERFORMANCES

Our CP8849 and CP8849-2 cordless impact wrenches offer:



## 4 settings in forward

### A 2 shut-off positions

- Slow mode to approach without impacting (hand tightening around  $\approx 3.7$  ft.lbs  $\approx 4$ -5 Nm)
- Fast mode to tighten wheels close to manufacturer recommended torque without overtightening (around  $\approx 50$  ft.lbs  $\approx 70$  Nm)

### B 2 other forward positions

- 50% of maximum torque  $\rightarrow \approx 425$  ft.lbs / 580 Nm
- 100% of maximum torque  $\rightarrow \approx 850+$  ft.lbs / 1150+ Nm

### C 1 setting @ full power in reverse

$\approx 850+$  ft.lbs / 1150+ Nm



## No more overtightening

The CP8849 series is ideal for passenger vehicles, light truck, and SUV tire changing applications. The controlled torque settings enable efficient torque level control for each tire-change job, and enable the user to quickly and easily snug bolts without overtightening and damaging studs. The operator must then use a torque wrench to torque bolts to the manufacturer's specifications.

## DESIGNED FOR A VARIETY OF APPLICATIONS FOR INSIDE OR OUTSIDE WORKSHOPS (ROADSIDE ASSISTANCE)

### Tire changing operations on light vehicles



Passenger cars



SUV



Pick-up trucks

Discover our entire product portfolio dedicated to tire changing applications in our *Tireshop brochure*.



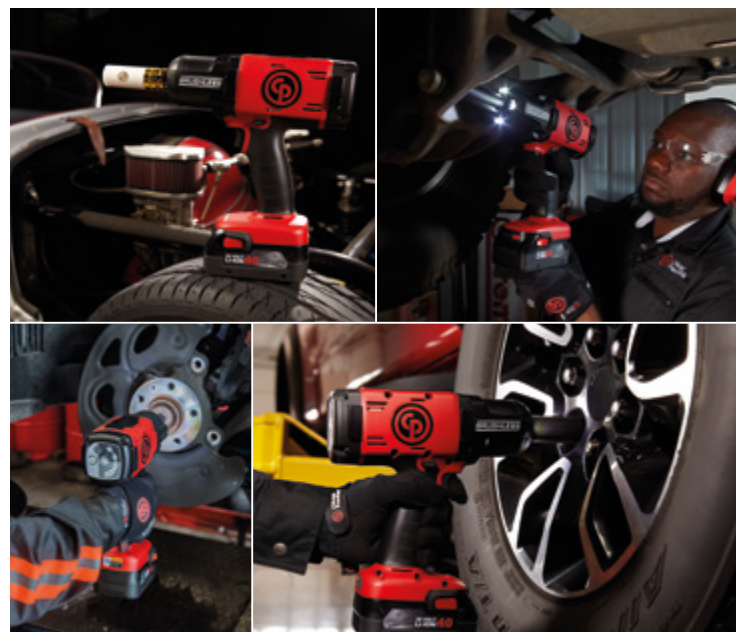
General mechanics on light and heavy vehicles



Bodyshop applications on light and heavy vehicles



MRO applications



## Over 110 years of experience

Since 1901 the Chicago Pneumatic (CP) name has represented reliability and attention to customer needs, with construction, maintenance and production tools and compressors designed for specific industrial applications. Today, CP has a global reach, with local distributors around the world.

Our people start every single day with a passion to research, develop, manufacture and deliver new products that are meant to meet your needs not only today, but tomorrow as well.



## KITS

CP8849 and CP8849-2 kits are supplied with:

- One tool (CP8849 or CP8849-2)
- Two battery packs (two x 4 Ah **OR** two x 6 Ah)
- One 20V charger
- One Chicago Pneumatic soft bag
- Tool Documentation:
  - Conformity Certificate and Safety warning
  - Operator's manual
  - Exploded view and spare part list

Model	Part number
CP8849 Pack 4.0Ah	894 108 8490
CP8849 Pack 6.0Ah	894 108 8492
CP8849 Pack 4.0Ah US	894 108 8491
CP8849 Pack 6.0Ah US	894 108 8493
CP8849-2 Pack 4.0Ah	894 108 8494
CP8849-2 Pack 6.0Ah	894 108 8495
CP8849-2 Pack 4.0Ah US	894 108 8496
CP8849-2 Pack 6.0Ah US	894 108 8497



The US pack comes with a US type plug and the Rest of the World pack will come with the appropriate plug based on the country of origin of the order.

## ACCESSORIES SELECTION

### BATTERIES

Model	Part number
20V/4.0AH LITHIUM ION	894 017 2261
20V/6.0AH LITHIUM ION	894 017 3636



### CHARGERS

Model	Part number	Description
CP20CHE 20V EU	894 017 2262	20-Volt Charger EU
CP20CHU 20V US	894 017 2286	20-Volt Charger North-America
CP20CHA 20V AUS	894 017 2288	20-Volt Charger Australia
CP20CHK 20V UK	894 017 2287	20-Volt Charger UK
CP20CHO 20V KOR	894 017 4305	20-Volt Charger Korea
CP12-20CH DUAL EU	894 017 3638	12 & 20-Volt Charger Dual EU
CP12-20CH DUAL UK	894 017 4701	12 & 20-Volt Charger Dual UK
CP12-20CH DUAL AUS	894 017 4702	12 & 20-Volt Charger Dual Australia

### IMPACT WRENCHES GLOVES

Model	Part number
GLOVE-LARGE	894 015 8618
GLOVE-X-LARGE	894 015 8619
GLOVE-XX-LARGE	894 017 1573
GLOVE-MEDIUM	894 017 1574



### SOCKETS

Check out our large offer of 1/2" impact sockets online via our eCatalog, or via our socket brochure.





# Chicago Pneumatic

## Safety Information

Printed Matter No. 8940175137

Date: 2019-05 Issue No. 05

## Cordless impact wrenches

Valid from Serial No. 00001 to 99999

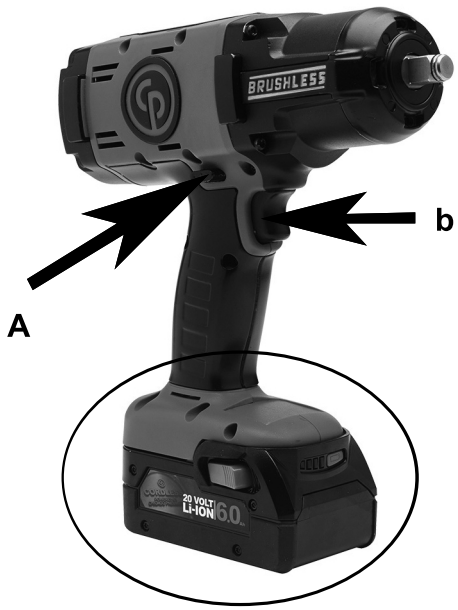
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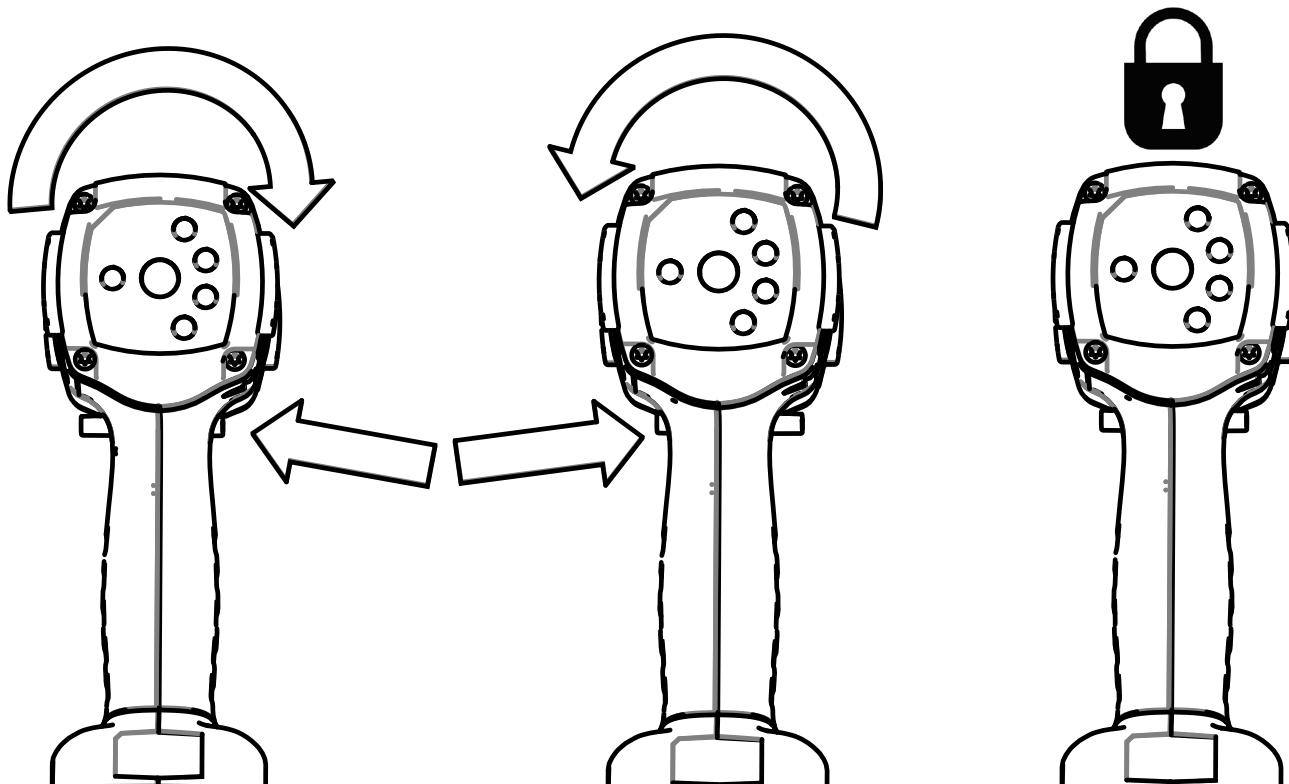
CP8849

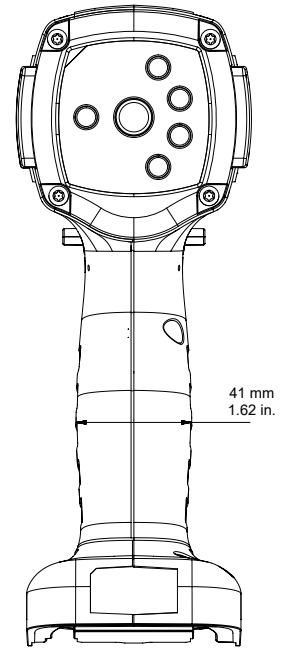
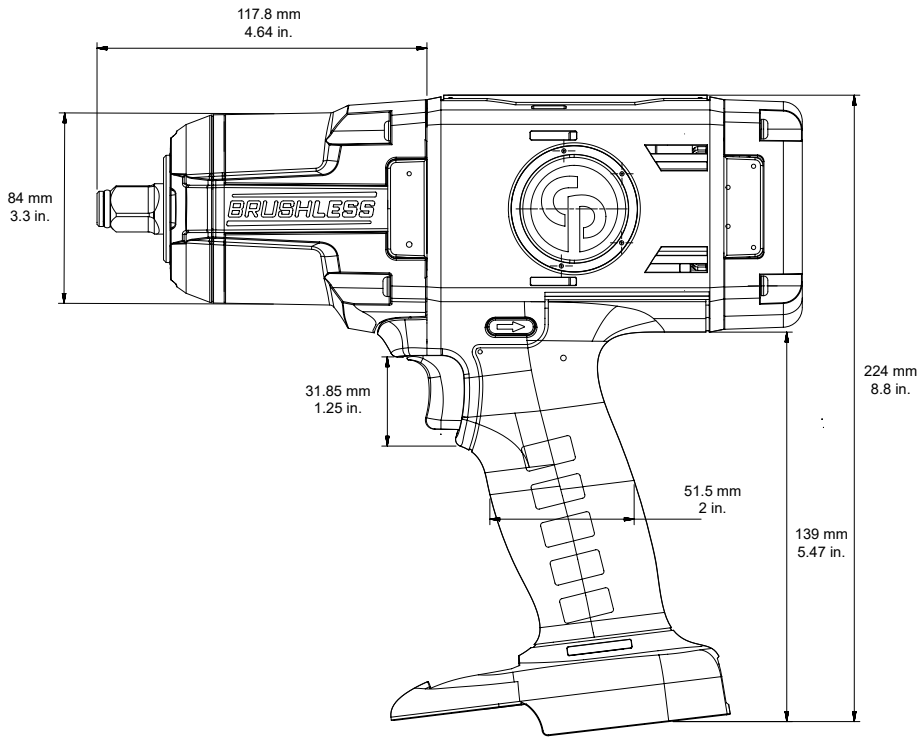
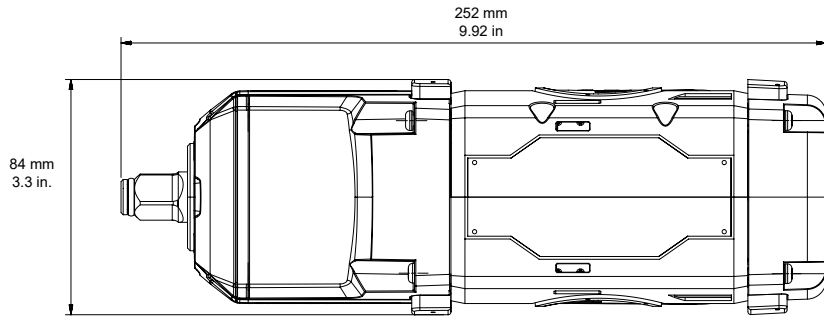
CP8849-2



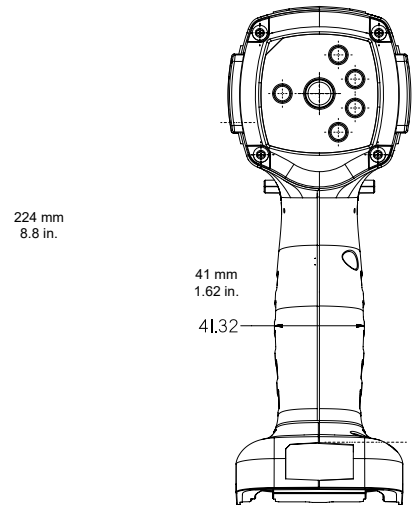
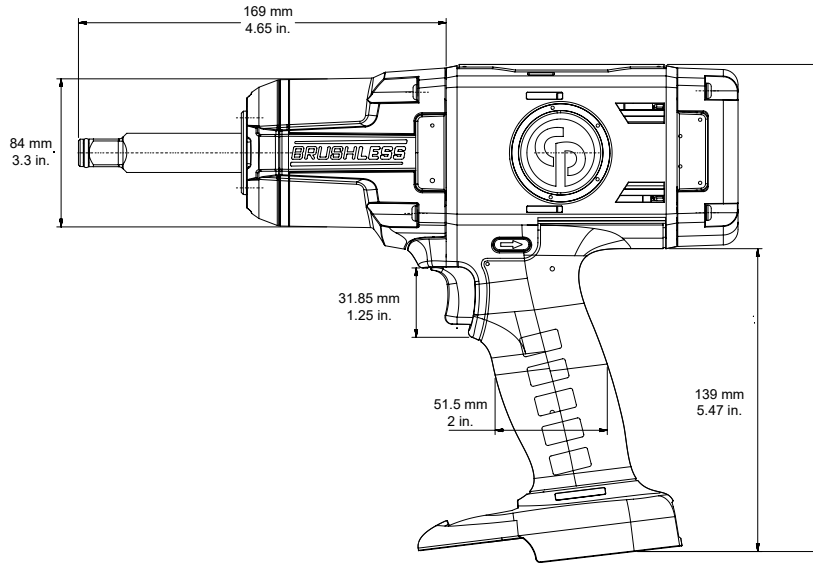
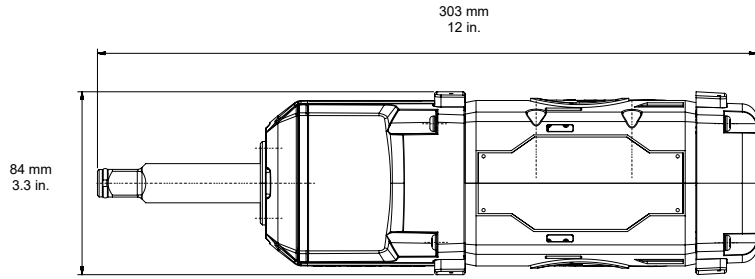
	<p style="text-align: center;"><b>⚠ WARNING</b></p> <p>To reduce risk of injury, everyone using, installing, repairing, maintaining, changing accessories on, or working near this tool <b>MUST</b> read and understand these instructions before performing any such task.</p> <p><b>DO NOT DISCARD - GIVE TO USER</b></p>
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## Technical data

### Tool data

	CP8849	CP8849-2
Free speed (rpm)		
- Slow mode	0 - 600	0 - 600
- Fast mode	0 - 1200	0 - 1200
- 50% mode	0 - 1000	0 - 1000
- 100% mode (reverse and forward)	0 - 1800	0 - 1800
Square drive (")	1/2	1/2
Square drive (mm)	13	13
Max. torque (reverse) (ft.lb)	850	850
Max. torque (reverse) (Nm)	1150	1150
Blows per minute	2300	2300
Battery voltage (V)	20	20
Weight (kg)	3.1	3.1
Weight (lb)	6.9	6.9
Ambient operating temperature	-18°C to 50°C	-18°C to 50°C
Ambient storage temperature	0 to 40°C	0 to 40°C
Recommended ambient charging temperature	10 to 38°C	10 to 38°C
Recommended battery types	CP20XP CP20XP60	CP20XP CP20XP60
Recommended charger	CP20CHE 20V EU CP20CHU 20V US CP20CHA 20V AUS CP20CHK 20V UK CP20CHKC 20V KC	CP20CHE 20V EU CP20CHU 20V US CP20CHA 20V AUS CP20CHK 20V UK CP20CHKC 20V KC

## Declarations

### EU DECLARATION OF CONFORMITY



We, **CHICAGO PNEUMATIC Tool Co. LLC**, 1815 Clubhouse Road, Rock Hill, SC 29730, declare under our sole responsibility that the product (with name, type and serial number, see front page) is in conformity with the following Directive(s):

**Machinery (2006/42/EC), EMC(2014/30/EU), RoHS (2011/65/EU)**

Harmonized standards applied:

**EN 62841-1:2015, EN 62841-2-2:2014, EN 55014-1:2017, EN 55014-2:2015, EN50581-1:2012**

Authorities can request relevant technical information from:  
Pascal Roussy, R&D Manager, Ets Georges Renault, 38 rue Bobby Sands

Saint-Herblain,

**Pascal ROUSSY**

Signature of issuer

Date : 01/05/2018

## Noise and vibration

	CP8849 & CP8849-2
Sound pressure level L <sub>p</sub> (dB(A))	101.5
Sound power level L <sub>w</sub> (dB(A))	112.5
Noise standard	EN 62841
Noise uncertainty (dB(A))	3
Vibration value (m/s <sup>2</sup> ) (a <sub>h</sub> )	16.1
Vibration uncertainty (K) (m/s <sup>2</sup> )	1.5
Vibration standard	ISO-28927-2

a<sub>h</sub> = impact tightening of fasteners of the maximum capacity of the tool.

Wear hearing protection.

The vibration emission given in this information sheet has been measured in accordance with a standardized test given in EN 60745 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.

The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration should also take account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration such as : maintain the tool and the accessories, keep the hands warm, organization of work patterns.

These declared values were obtained by laboratory type testing in accordance with the stated standards and are suitable for comparison with the declared values of other tools tested in accordance with the same standards. These declared values are not adequate for use in risk assessments and values measured in individual work places may be higher. The actual exposure values and risk of harm experienced by an individual user are unique and depend upon the way the user works, the workpiece and the workstation design, as well upon the exposure time and the physical condition of the user.

## Intended use

This Impact Wrench is intended to be used only by adults who have read and understood the instructions and warnings in this manual and can be considered responsible for their actions.

- This product is designed for installing and removing threaded fasteners in wood, metal or plastic.
- Do not use the Impact Wrench for any other purpose not described above.

## Statement of use

This product is designed for installing and removing threaded fasteners in wood, metal or plastic.

No other use permitted. For professional use only.



## Warning!

**To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger 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.**

## Operation

### Untightening

- To operate the tool in the reverse mode, use the switch A. (See figures page 2)


 The reverse selection indicator  is on.

To start the machine, pull the trigger (B). Release the trigger to stop.



### Tightening

- To operate the tool in forward mode, use the switch A. (See figures page 2)


 The indicator light of the latest selected forward mode is on.

- Push the forward settings power selection button  to select one of the 4 settings describe below.

### 2 shut off settings

<b>Slow mode</b>		To approach <b>without impacting</b> .
<b>Fast mode</b>		To tighten wheels close to recommended torque <b>without overtightening</b> .

### 2 power settings

 **50 %** of the maximum torque.

 **100 %**

**100 %** of the maximum torque.

Final torque should be applied manually using a calibrated torque wrench, and following the vehicle manufacturer's instructions.

## Battery

Battery packs which have not been used for some time should be recharged before use.

Temperatures in excess of 50°C (122°F) reduce the performance of the battery pack. Avoid extended exposure to heat or sunshine (risk of overheating).

The contacts of chargers and battery packs must be kept clean.

For an optimum life-time, the battery packs have to be fully charged, after used. To obtain the longest possible battery life remove the battery pack from the charger once it is fully charged.

The battery pack has overload protection that protects it from being overloaded and helps to ensure long life. Under extreme stress the battery electronics switch off the product automatically. To restart, switch the product off and then on again. If the product does not start up again, the battery pack may have discharged completely. In this case it must be recharged in the battery charger.

## Maintenance instructions

- **Follow local country environmental regulations for safe handling and disposal of all components.**
- Maintenance and repair work must be carried out by qualified personnel using only original spare parts. Contact the manufacturer or your nearest authorised dealer for advice on technical service or if you require spare parts.
- Always ensure that the machine is disconnected from energy source to avoid accidental operation.
- Disassemble and inspect the tool every three 3 months if the tool is used every day. Replace damaged or worn parts.
- To keep downtime to a minimum, the following service kit is recommended : **Tune-up kit**
- Do not at any time let brake fluids, gasoline, petroleum based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which could result in serious personal injury.
- Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and can be damaged by their use. Use clean clothes to remove dirt, dust, oil, grease, etc.

## General Power Tool Safety Warnings

**⚠ WARNING** Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below 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.

### 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.

### Electrical safety

- **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.
- **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.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **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.
- **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.
- **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

### Personal safety

- **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.

- **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.
- **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 energising power tools that have the switch on invites accidents.
- **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.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **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.
- **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.

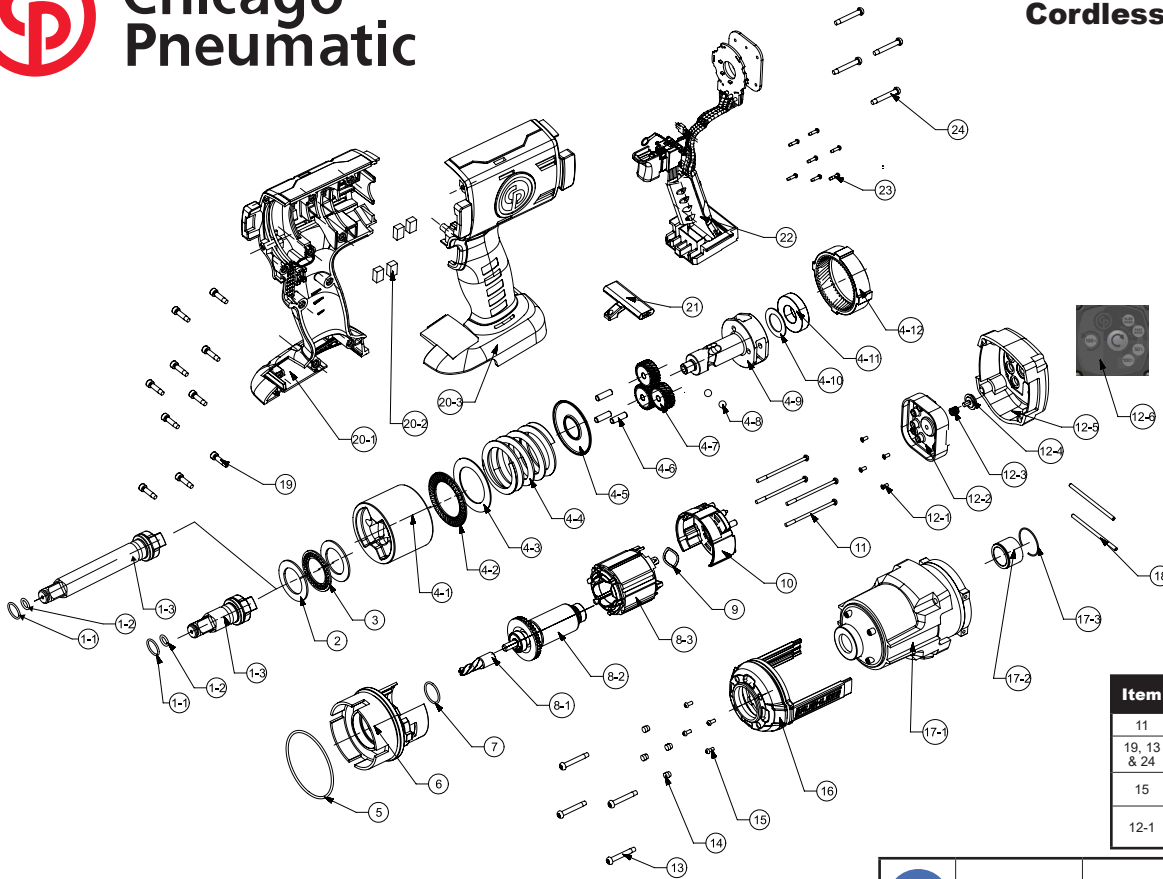
### Power tool use and care

- **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.
- **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.
- **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.
- **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.
- **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.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.



**Chicago  
Pneumatic**

**CP8849 & CP8849-2**  
Cordless impact wrench  
Serie E



Item	Glue	tightening torque	
11	/	0.5 ft.lbs	0.69 Nm
19, 13 & 24	/	1 ft.lbs	1.37 Nm
15	RITE-LOKE TL77 - 0.2g	0.36 ft.lbs	0.5 Nm
12-1	RITE-LOKE TL77 - 0.2g	0.22 ft.lbs	0.3 Nm

	8950900061	Warning Label
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Ref	CP Part No.	Description	Q'ty
<b>A</b>	<b>8940175686</b>	<b>Gear Case assembly</b>	
14		Rubber	4
15		M Screw M2.5	4
16		LED Assembly	1
17-1		Die-casting Gear Case	1
17-2		Bush SCM440	1
17-3		Retaining Ring	1
<b>B1</b>	<b>8940175689</b>	<b>Short Anvil Assembly for CP8849</b>	
1-1		Retaining Ring	1
1-2		O-ring	1
1-3		1/2" Short Anvil	1
<b>B2</b>	<b>8940175884</b>	<b>Long Anvil Assembly for CP8849-2</b>	
1-1		Retaining Ring	1
1-2		O-ring	1
1-3		1/2" Long Anvil	1
<b>C</b>	<b>8950251279</b>	<b>Anvil Collar Kit</b>	
1-2		O-Ring	5
1-1		Retaining Ring	5
<b>D</b>	<b>8940175690</b>	<b>Gear Box Assembly</b>	
4-1		Impactor	1
4-2		Thrust Bearing	1
4-3		Washer	1
4-4		Compression	1
4-5		Washer	1
4-6		Planet Gear Pin	3
4-7		Planet Gear	3
4-8		Ball	2
4-9		Driving Shaft	1
4-10		Washer	1
4-11		Ball Bearing	1
4-12	8940175749	Ring Gear	1
<b>E</b>	<b>8940176310</b>	<b>Main PCBA</b>	
8		Motor Assembly (Include 8-1, 8-2 & 8-3)	1
22	8940176309	Main PCBA ass'y	1

Ref	CP Part No.	Description	Q'ty
<b>F</b>	<b>8940175700</b>	<b>End Cap Assembly</b>	
12-1		M3 Screw for Speed Plate	4
12-2		Plastic Rear PCB Box	1
12-3		Spring for Speed Button	1
12-4		Plastic Speed Button	1
12-5		Die-casting End Cap	1
12-6	8940175953	Instruction Label (speed select)	1
<b>G</b>	<b>8940175702</b>	<b>Housing Assembly</b>	
19	8940175703	Housing Screw	10
20-1		Plastic Housing Cover	1
20-2		Silicance Rubber Cushion	4
20-3		Plastic housing support	1
	8950900061	Warning label	1
<b>H</b>	<b>8940175685</b>	<b>Front LED Assembly</b>	
14		Rubber	4
15		M screw M2.5	4
16		Front LED Assembly	1
<b>I</b>	<b>8940175855</b>	<b>Washer Kit</b>	
2		Stamping, Flat washer	2
3		Needle Bearing INA AXK2539	1

5	8940175688	Oil seal o-ring	1
6	8940175693	Motor Mounting	2
7	8940175694	O-Ring	1
9	8940175696	Wave Washer	1
10	8940175697	Motor Rear Cover	1
11	8940175698	M3 Screw (Set of 4)	1
13	8940175704	ST Screw M4.5 (Set of 4)	1
14	8940175683	Rubber	4
15	8940175684	M screw M2.5	4
18	8940175687	Motor Mounting Pin	2
19	8940175703	Housing Screw	10
21	8940175692	F/R Button	1
23	8940175699	M2.3 Screw	7
24	8940175701	M4 Screw (Set of 4)	1

**Recommended Maintenance Tools**

It is recommended to treat the battery tool contacts every 6 months with contact lubricant Electrolube : ERCG53A35SL

**Recommended Accessories**

Battery  
8940172261 20V 4,0Ah  
8940173636 20V 6,0Ah

8940172262 CHARGER 20V EUROPE  
8940172286 CHARGER 20V USA  
8940172287 CHARGER 20V UK  
8940172288 CHARGER 20V AUS  
8940174305 CHARGER 20V KOREA



Learn more about impact wrenches we have.