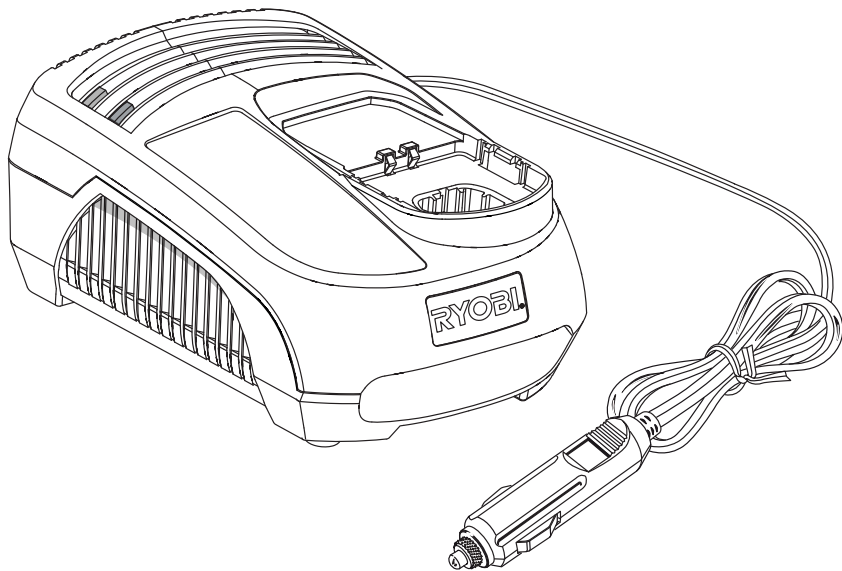


# RYOBI®

## BCL1418IV

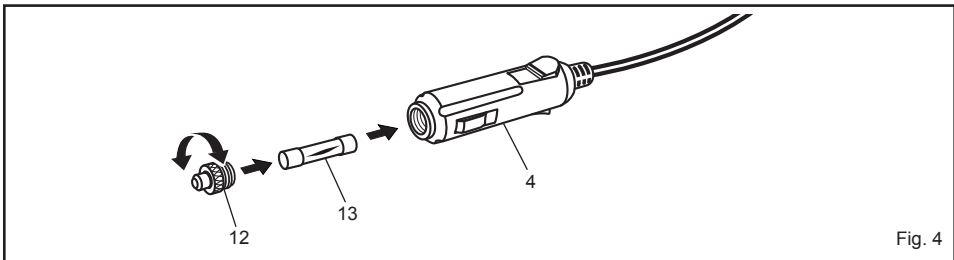
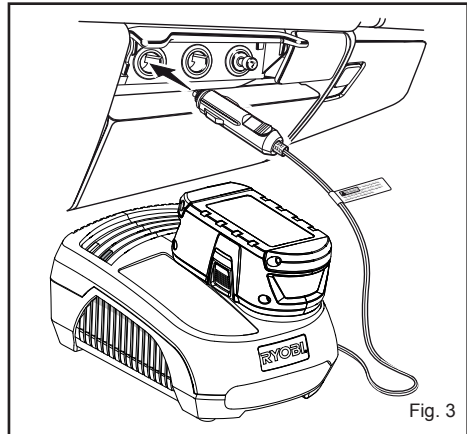
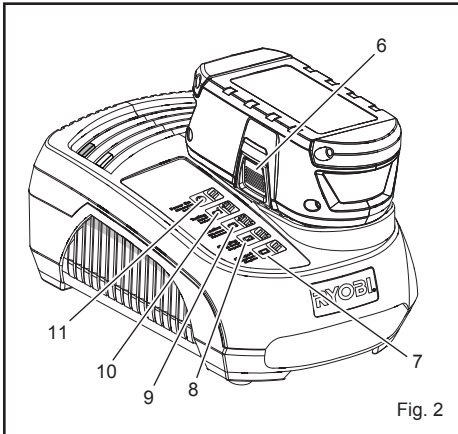
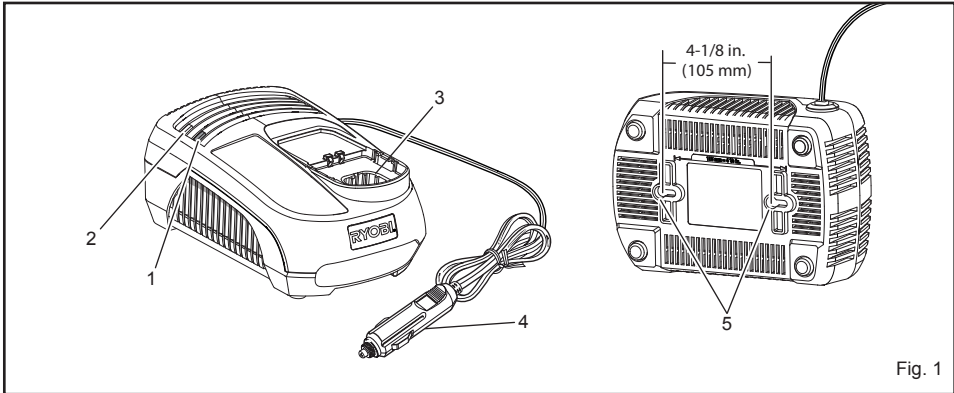
TYPE II

### **18 VOLT IN-VEHICLE CHARGER OWNER'S OPERATING MANUAL ORIGINAL INSTRUCTIONS**



## DESCRIPTION

1. Green LED
2. Red LED
3. Battery port
4. 12 V adapter
5. "Key hole" hanger
6. Depress latches to remove battery pack
7. Charged indicator
8. Charging indicator
9. Defective indicator
10. Testing indicator
11. Power on indicator
12. Fuse cap
13. Fuse



## **Important!**

This appliance is not intended to be used or cleaned by persons with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, unless they have been given instructions concerning the safe use of the appliance by a person legally responsible for their safety. They should be supervised whilst using the appliance. Children shall not use, clean or play with this appliance, which when not in use should be secured out of their reach.

## English

### SAFETY INSTRUCTIONS

Please read and observe these instructions before using the device.

- Before using the device check that the mains cable and mains plug are not damaged.
- The device must not be damp, neither should it be used in a damp environment.
- Do not use the device if it has suffered any heavy shock or jolting, or is damaged in any other way.
- Due to the heat generated during charging, the battery charger should not be operated on a combustible surface/in an inflammable environment.
- Do not cover the ventilating slits.
- Never disassemble the device yourself.
- Pull the plug of the battery charger out of the socket when it is not in use or when cleaning it.
- Only use extension cable that is approved and technically in perfect condition.
- During operation provide sufficient ventilation. Malfunction during charging can be caused by storing and operating in places where the temperature exceeds +40°C (+104°F); this should be avoided. Battery charging in closed cupboards, near heat sources (radiators, bright sunshine) causes heat to accumulate and can damage the device.
- If the battery is not going to be used for a longer period, pull the battery off the battery charger and pull out the mains plug.
- Protect battery contact to avoid a short circuit caused by metallic object that can cause a fire or explosion!
- Only charge original recommended batteries.
- If the power cord is damaged, it must be replaced by an Authorised Service Center in order to avoid a hazard.

#### WARNING

Do not recharge primary cells (non-rechargeable).

#### WARNING

Damage to property - Mains voltage must correspond with the voltage specifications on the device.

### OPERATION

#### WARNING

Do not allow familiarity with this product to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

#### WARNING

Always wear eye protection with side shields. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.

#### WARNING

Do not use any attachments or accessories not recommended by the manufacturer of this tool. The use of attachments or accessories not recommended can result in serious personal injury.

### APPLICATIONS

You may use this product for the following purpose:  
Charging compatible 18V battery packs.

#### CAUTION

If at any point during the charging process none of the LEDs are lit, remove the battery pack from the charger to avoid damaging the product. Do not insert another battery. Return the charger and battery to your nearest service center for service or replacement.

#### CAUTION

Always place the charger on a rigid surface, not a car seat, while charging battery pack. Do not place anything such as a jacket over the charger while it is in use.

#### CAUTION

Charge in a well ventilated area. Do not block charger vents. Keep them clear to allow proper ventilation.

### BATTERY PROTECTION FEATURES

Ryobi 18V lithium-ion batteries are designed with features that protect the lithium-ion cells and maximize battery life. If the tool stops during use, release the trigger to reset and resume operation. If the tool still does not work, the battery






## English

needs to be recharged.

Note: The LED charge indicator light will not work if the battery protection feature has caused the battery pack to stop powering the tool. When the battery pack resets itself, the LED will again function.

### LED FUNCTIONS OF CHARGER

See figure 2

Charger LED indicator	Battery pack status	Red LED	Green LED	Action	
	Power	Without battery pack	ON	OFF	Ready to charge battery pack.
	Evaluate	Hot battery pack	Flashing	OFF	When battery pack reaches cooled temperature, charger begins fast charge mode.
	Evaluate	Cold battery pack	Flashing	OFF	When battery pack reaches warmed temperature, charger begins fast charge mode.
	Evaluate	Deeply discharged	Flashing	OFF	Charger pre-charges battery until normal voltage is reached, then begins fast charge mode.
	Defective	Defective	Flashing	Flashing	Battery pack or charger is defective.
	<ul style="list-style-type: none"> <li>If defective, try to repeat the conditions a second time by removing and reinstalling the battery pack. If the LED status repeats a second time, try charging a different battery.</li> <li>If a different battery charges normally, dispose of the defective pack.</li> <li>If a different battery also indicates "Defective," the charger may be defective.</li> </ul>				
	Charging	Fast charging	ON	Flashing	—
	Full	—	OFF	ON	Fast charging is complete; charger maintains charge mode.

Note: There is a low input voltage audible alarm for less than 10.5 V DC input. The charger will shut off when input voltage is less than 10.5 V or more than 15 V.

### PRODUCT SPECIFICATIONS

18V In-vehicle charger	
Model	BCL1418IV
<b>Charger</b>	
Input	12 V $\overline{\text{---}}$ 6A
Output	18 V $\overline{\text{---}}$ 3A
<b>Battery Pack</b>	
Voltage	18 V $\overline{\text{---}}$
Battery type	Lithium-Ion
Operating temperature	0°C - 40°C

### CHARGING THE BATTERY PACK

This charger will accept Ryobi 18V lithium-ion battery packs and Ryobi 18V nickel-cadmium battery packs.

Use only these Ryobi 18V battery packs with this charger.

Compatible Battery Pack	Voltage	Charger Input	Chemistry	Battery Capacity	No. of Cell per Battery
RB18N15	18 V $\overline{\text{---}}$	12V $\overline{\text{---}}$ 6A	Ni-cd	1.5 Ah	10
RB18L13				1.3 Ah	5
RB18L15			Li-ion	1.5 Ah	5
RB18L25				2.5 Ah	5
RB18L26				2.6 Ah	10
RB18L40				4.0 Ah	10
RB18L50				5.0 Ah	10
RB18L20				2.0 Ah	5

Battery packs for this tool are shipped in a low charge condition to prevent possible problems. Therefore, you should charge them until the green LED on the front of the charger comes on.

### CHARGING A BATTERY PACK

If the charger does not charge the battery pack under normal circumstances, return both the battery pack and charger to your nearest authorized service center for electrical check.

- Use battery pack only with the recommended charger.
- Connect the charger to the power supply. Make sure the power supply is 12 V DC.
- Make sure the latches on each side of the battery pack snap into place and the battery pack is secured in the charger before beginning operation.

## English

- Place the battery pack in the charger aligning raised rib on the battery pack with the groove in the charger.
- Press down on the battery pack to be sure contacts on the battery pack engage properly with contacts in the charger.
- Do not place the charger and battery pack in an area of extreme heat or cold. They will work best at normal room temperature.

Note: The charger and battery pack should be placed in a location where the temperature is more than 10°C (50°F) but less than 38°C (100°F).

- The battery pack will become slightly warm to the touch while charging. This is normal and does not indicate a problem.
- After charging is complete, the green LED will remain on until the battery pack is removed from the charger or charger is disconnected from the power supply.
- When batteries become fully charged, unplug the charger from the power supply and remove the battery pack.
- To remove the battery pack from the charger, depress the latches on each side of the battery pack.

### CHARGING A HOT BATTERY PACK

If the battery pack is above normal temperature range, the red LED will begin flashing and the green LED will be off. When the battery pack cools down to approximately 50°C (122°F), the charger will automatically begin fast charge mode.

### CHARGING A COOL BATTERY PACK

If the battery pack is below normal temperature range, the red LED will begin flashing and the green LED will be off. When the battery warms to a temperature of more than 0°C (32°F), the charger will automatically begin charge mode.

### COLD WEATHER OPERATION

The lithium-ion battery pack can be used in temperatures down to -20°C (-4°F). Put the battery pack on a tool and use the tool in a light duty application. After about a minute, the pack will have warmed up and begin operating normally.

### ENERGIZING BATTERY CHARGER

See figure 3

By holding the connector firmly, place connector into a cigarette lighter receptacle or "power point" to energize battery charger; red power LED will come on.

### ⚠ CAUTION

If the 12 V adapter does not fit firmly into the cigarette lighter receptacle or power point, the receptacle may not be suitable for use with the charger. A poor connection at the base of the 12 V adapter could lead to electrical problems in the vehicle outside of the protections offered by the vehicle or charger's fuse.

### MAINTENANCE

### ⚠ WARNING

When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.

### ⚠ WARNING

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

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil and grease.

### ⚠ WARNING

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 may result in serious personal injury.

### CHANGING FUSE

See figure 4

The 12 V adapter contains a 250 V 8 Amp fuse to protect the adapter and charger from unexpected power surges.

#### To replace the fuse:

- Unscrew the fuse cap on the top of the 12 V adapter.
- Replace old fuse with new one. If spring comes out, be sure to reinsert it before replacing new fuse.
- Thread fuse cap back onto adapter. Tighten securely.

### BATTERIES

This charger will accept Ryobi 18V lithium-ion batteries or Ryobi 18V nickel-cadmium batteries. Length of service from each charging will depend on the type of work you are doing.

## English

Batteries have been designed to provide maximum trouble-free life. However, like all batteries, they will eventually wear out. Do not disassemble battery pack and attempt to replace the batteries. Handling of these batteries, especially when wearing rings and jewelry, could result in a serious burn.

To obtain the longest possible battery life, we suggest the following:

### For lithium-ion batteries:

- Remove the battery pack from the charger once it is fully charged and ready for use.

### For battery pack storage longer than 30 days:

- Store the battery pack where the temperature is below 27°C (80°F) and away from moisture.
- Store battery packs in a 30%-50% charged condition.
- Every six months of storage, charge the pack as normal.

### For nickel-cadmium batteries:

- Remove the battery pack from the charger once it is fully charged and ready for use.

### For battery pack storage longer than 30 days:

- Store the battery pack where the temperature is below 27°C (80°F).
- Store battery packs in a "discharged" condition.

### WARNING

Upon removal, cover the battery pack's terminals with heavy-duty adhesive tape. Do not attempt to destroy or disassemble battery pack or remove any of its components. Lithium-ion and nickel-cadmium batteries must be recycled or disposed of properly. Also, never touch both terminals with metal objects and/or body parts as short circuit may result. Keep away from children. Failure to comply with these warnings could result in fire and/or serious injury.

### ENVIRONMENTAL PROTECTION



Recycle raw materials instead of disposing of as waste. The machine, accessories and packaging should be sorted for environmental-friendly recycling.

### SYMBOLS



Safety alert



Regulatory Compliance Mark (RCM). Product meets applicable regulatory requirements



Please read the instructions carefully before starting the machine.



Indoor use



Time-lag fuse 8A



Class III protection



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

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