

# **Annex no. 5**

# **Functional Description / User Manual**

**IMPORTANT:**  
Read Before Using

**IMPORTANT :**  
Lire avant usage

**IMPORTANTE:**  
Leer antes de usar



**Operating/Safety Instructions**

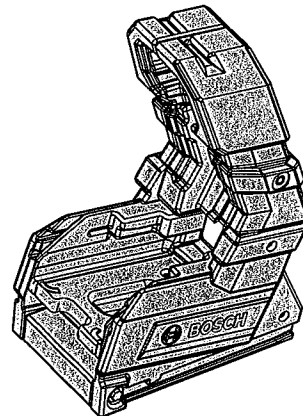
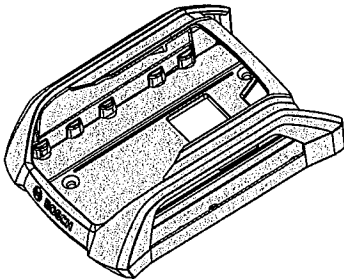
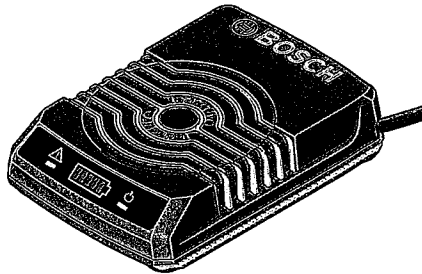
**Consignes de fonctionnement/sécurité**

**Instrucciones de funcionamiento y seguridad**

**WC18C**

**WC18F**

**WC18H**



**BOSCH**

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For English Version  
See page 2

Version française  
Voir page 6

Versión en español  
Ver la página 10

**WARNING**

Read and follow all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

**IMPORTANT SAFETY AND OPERATING INSTRUCTIONS**  
**"SAVE THESE INSTRUCTIONS"****Charger Safety Rules**

1. **This manual contains instructions for battery charger model WC18C.** Do not substitute any other charger.
2. **Before using battery charger, read all instructions and cautionary markings on (1) battery charger, (2) battery pack, and (3) product using battery.**
3. **Charge only Bosch rechargeable batteries listed on page 5, 6 & 7.** Other types of batteries may burst causing personal injury and damage.
4. **Do not place metal objects on the charger or between battery and charger.** Metal objects can heat up and lead to injuries.
5. **Do not place credit cards or other magnetic data carriers near the charger.** Stored data on these data carriers can be deleted.
6. **Charge battery pack in temperatures above +32 degrees F (0 degrees C) and below +113 degrees F (45 degrees C).** Store tool and battery pack in locations where temperatures will not exceed 120 degrees F (49 degrees C). This is important to prevent serious damage to the battery cells.
7. **Do not recharge battery in damp or wet environment. Do not expose charger to rain or snow.** Water entering battery charger may result in electric shock or fire.
8. **Battery leakage may occur under extreme usage or temperature conditions. Avoid contact with skin and eyes.** The battery liquid is caustic and could cause chemical burns to tissues. If liquid comes in contact with skin, wash quickly with soap and water. If the liquid contacts your eyes, flush them with water for a minimum of 10 minutes and seek medical attention.
9. **In case of damage and improper use of the battery, vapours may be emitted. Ventilate the area and seek medical help in case of complaints.** The vapours can irritate the respiratory system.
10. **Place charger on flat nonflammable surfaces and away from flammable materials when recharging battery pack.**
11. **Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.** Damaged plug and cord may result in electric shock or fire.
12. **Disconnect the charger by pulling the plug rather than the cord. Do not operate charger with damaged cord or plug; have them replaced immediately.** Damaged plug or cord may result in electric shock or fire.
13. **Do not insert battery pack in charger if battery pack case is cracked.** Using damaged battery pack may result in electric shock or fire.
14. **Do not disassemble charger or operate the charger if it has received a sharp blow, been dropped or otherwise damaged in anyway.** Incorrect reassembly or damage may result in electric shock or fire.
15. **Before each use, check the battery charger, cable and plug. If damage is detected, do not use the battery charger. Never open the battery charger yourself, take it to a Bosch Factory Service Center, or qualified serviceman only using original spare parts.** Incorrect reassembly may result in electric shock or fire.
16. **Do not use attachments not recommended or sold by Bosch.** Using attachments not recommended may result in electric shock or fire.
17. **Do not store battery pack in charger.** Battery pack stored in charger over a long period of time could lead to battery pack damage and fire.
18. **Unplug charger from outlet before storage, attempting any maintenance or cleaning.** Such preventive safety measures reduce the risk of electric shock or fire.

19. **Keep the battery charger clean by blowing compressed air on charger vents and wiping the charger housing with a damp cloth.** Contamination may result in electric shock or fire.

20. **Replace battery pack if a substantial drop in operating time per charge is observed.** Battery pack may be nearing the end of its life.

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### Important Charging Notes

1. The charger was designed to fast charge the battery only when the battery temperature is between 32°F (0°C) and 113°F (45°C). If the battery pack is too hot or too cold, the charger will not fast charge the battery. (This may happen if the battery pack is hot from heavy use). When the battery temperature returns to between 32°F (0°C) and 113°F (45°C), the charger will automatically begin charging.

2. A substantial drop in operating time per charge may mean that the battery pack is nearing the end of its life and should be replaced.

3. Remember to unplug charger during storage period.

4. If battery does not charge properly:

a. Check for voltage at outlet by plugging in some other electrical device.

b. Check to see if outlet is connected to a light switch which turns power "off" when lights are turned off.

c. Check battery pack terminals for dirt. Clean with cotton swab and alcohol if necessary.

d. If you still do not get proper charging, take or send tool, battery pack and charger to your local Bosch Service Center. See "Tools, Electric" in the Yellow Pages for names and addresses.

**Note:** Use of chargers or battery packs not sold by Bosch will void the warranty.

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### FCC Caution:

The manufacturer is not responsible for radio interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference, and
- 2) This device must accept any interference received, including interference that may cause undesired operation.

**NOTE!** This equipment has been tested and found to comply with the limits for a Class B digital devices, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate

radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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### Battery Care

**⚠ WARNING** When batteries are not in tool or charger, keep them away from metal objects. For example, to protect terminals from shorting **DO NOT** place

batteries in a tool box or pocket with nails, screws, keys, etc. Fire or injury may result.

**DO NOT PUT BATTERIES INTO FIRE OR EXPOSE TO HIGH HEAT.** They may explode.

### Battery Disposal

**⚠ WARNING** Do not attempt to disassemble the battery or remove any component projecting from the battery terminals. Fire or injury may result. Prior to disposal, protect exposed terminals with heavy insulating tape to prevent shorting.

#### Lithium-ion Batteries

If equipped with a lithium-ion battery, the battery must be collected, recycled or disposed of in an environmentally sound manner.



"The EPA certified RBRC Battery Recycling Seal on the lithium-ion (Li-ion) battery indicates Robert Bosch Tool Corporation is voluntarily participating in an

industry program to collect and recycle these batteries at the end of their useful life, when taken out of service in the United States or Canada. The RBRC program provides a convenient alternative to placing used Li-ion batteries into the trash or the municipal waste stream, which may be illegal in your area.

Please call 1-800-8-BATTERY for information on Li-ion battery recycling and disposal bans/restrictions in your area, or return your batteries to a Skil/Bosch/Dremel Service Center for recycling. Robert Bosch Tool Corporation's involvement in this program is part of our commitment to preserving our environment and conserving our natural resources."

### Extension Cords

**⚠ WARNING** AN EXTENSION CORD SHOULD NOT BE USED UNLESS ABSOLUTELY NECESSARY. Use of improper extension cord could result in risk of fire and electrical shock. If an extension cord is used, make sure:

- a. The pins on plug of extension cord are the same number, size, and shape as those of plug on charger.
- b. The extension cord is properly wired and in good electrical condition.
- c. The wire size is large enough for AC ampere rating of charger as specified below:

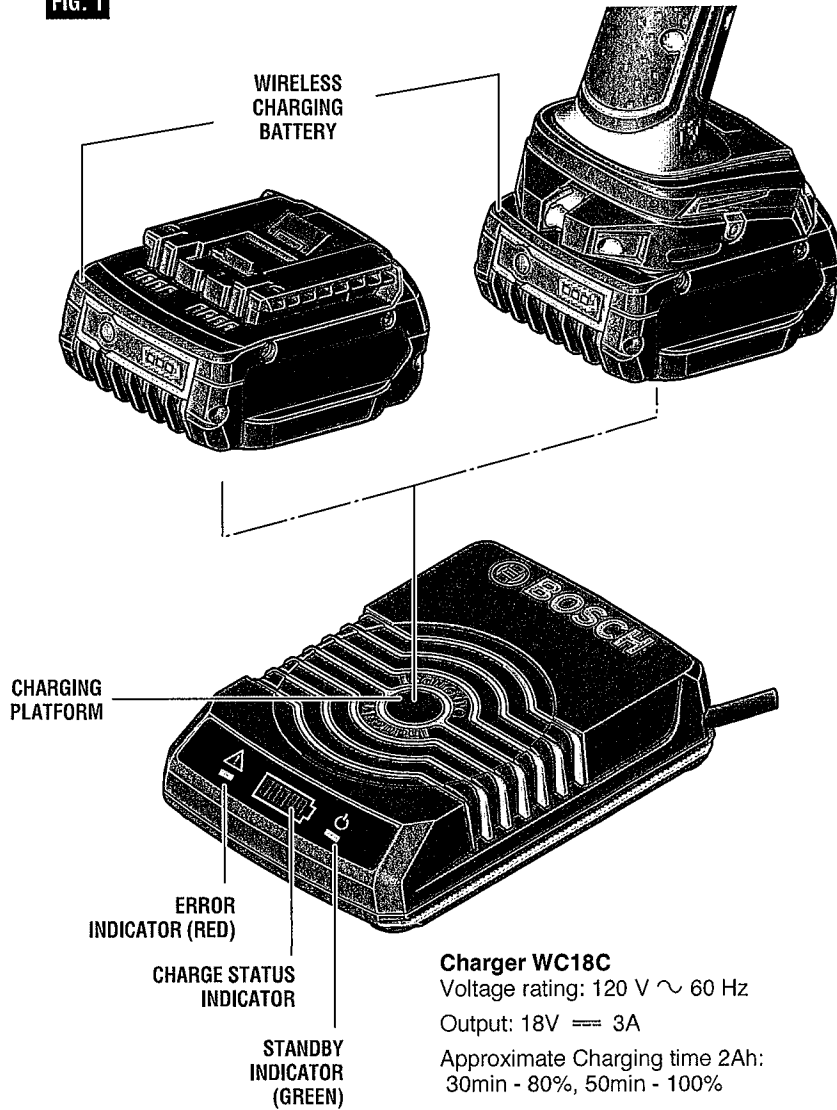
- d. An extension cord is a temporary solution. Move the charger to a standard receptacle as soon as the job has been completed.

Length of Cord, Feet	25	50	100	150
AWG Size of Cord	18	16	16	14

Extension Cord Chart for 220/240 Volt Tools:	
0.75mm <sup>2</sup> CORD	50 Meters
1.0mm <sup>2</sup> CORD	75 Meters

## Operating Instructions

**FIG. 1**



**⚠ WARNING** This charger will only charge the following Wireless charging battery packs: WCBAT612. Voltage rating 18V ==  
For most up to date battery compatibility, please refer to [www.boschtools.com](http://www.boschtools.com)

**"SAVE THESE INSTRUCTIONS"**

## Operating Instructions

The battery is supplied partially charged. Completely charge the battery before using your cordless screwdriver for the first time. The lithium

ion battery can be charged at any time, without reducing its service life. Interrupting the charging procedure does not damage the battery.

### Charger Indicators, symbols and meaning

If the indicator lights are "OFF", the charger is not receiving power from power supply outlet.

#### Continuous Light Standby Indicator (green)



A continuous green standby indicator shows that the main plug has been plugged into the socket outlet and that the charger is ready for use.

#### Flashing Charge Status Indicator



The charge status indicator flashes while charging. The number of green bars indicate the charge level. All five bars green means that the battery is fully charged. The light then changes from flashing to continuous. Note: The tool+battery can be removed from the charger at any time and used.

#### Continuous Error Indicator (red)



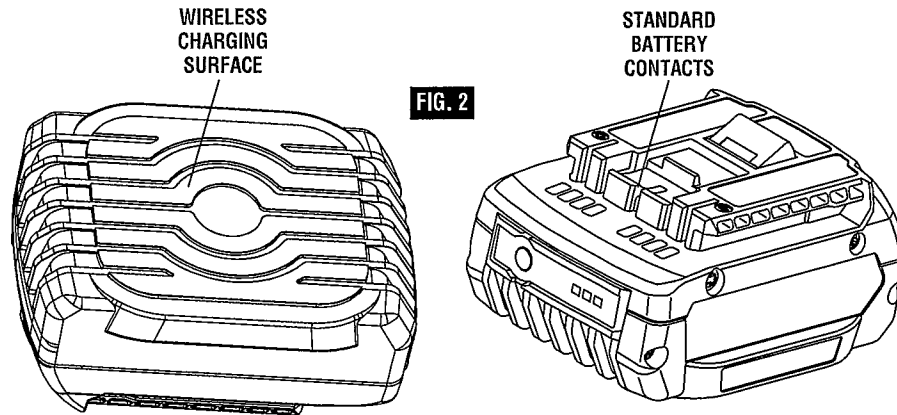
A continuous red error indicator shows that the battery temperature is outside of the permitted temperature range. As soon as the permitted temperature range is reached, the charger automatically begins charging.

#### Flashing Error Indicator (red)



A flashing red error indicator signals a different charger fault. See 'Troubleshooting' section.

### Wireless Charging Battery



Standard battery contacts compatible with existing Bosch chargers: BC630, BC660, BC1836. See relevant manuals for details.

Charging surface: place on WC18C wireless charger charging platform. Entire battery surface must be in direct contact with battery charger platform.

## Charging Battery Pack

Plug charger cord into your standard power outlet.

The battery is charged by placing the battery onto charging platform. Battery must stay centered on charging platform (Fig.1 and Fig.3a). Entire battery wireless charging surface must be in direct contact with battery charger charging platform. Battery may be charged either attached to a tool or without tool (Fig. 3a, Fig 3.b). Be sure that no gap exists between the wireless charging surface and charging platform.

**⚠ WARNING** Do not place metal objects on the charger or between battery and charger. Metal objects can heat up and lead to injuries.

**⚠ CAUTION** Do not place credit cards or other magnetic data carriers near the charger. Stored data on these data carriers can be deleted.

FIG. 3a

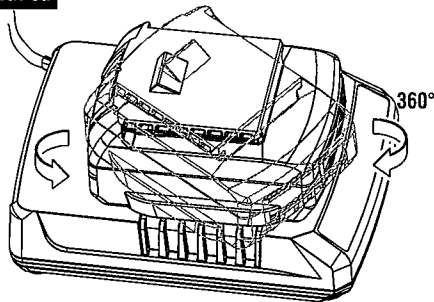


FIG. 3b

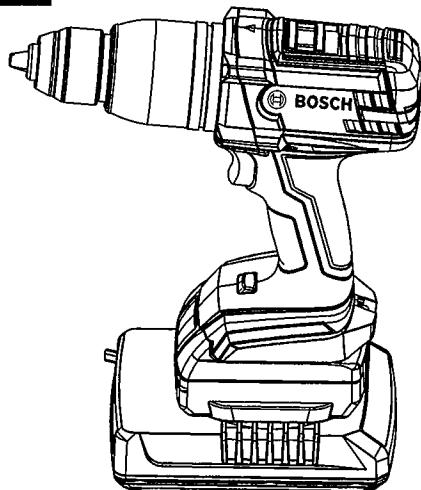


FIG. 4a

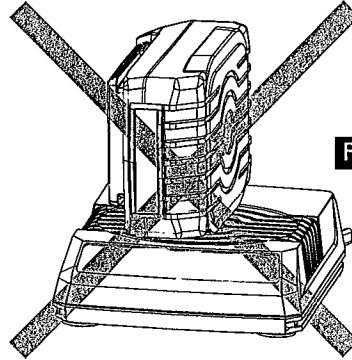


FIG. 4a

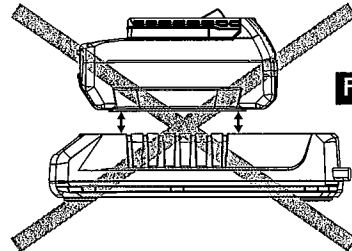


FIG. 4b

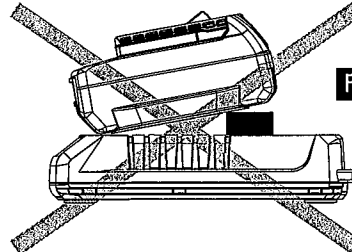


FIG. 4c

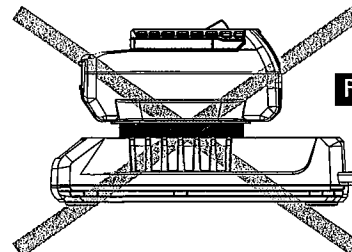
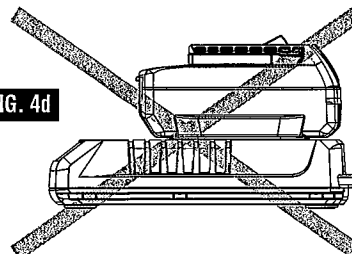


FIG. 4d





## Using Wireless Charging Frame WC18F

**⚠ WARNING** Do not use wireless charging frame in vehicle.

Charging frame may break and lead to personal injury.

The wireless charging frame WC18F may be used in conjunction with the wireless charger for added convenience in workbench and workshop situations.

**Horizontal mounting.** (Fig. 5)

Remove charger from frame.

Mount frame with four 1/4" screws (not included).

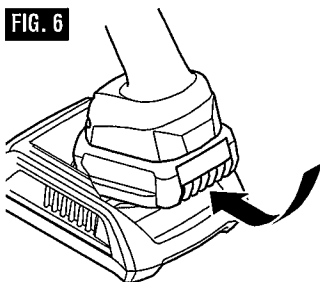
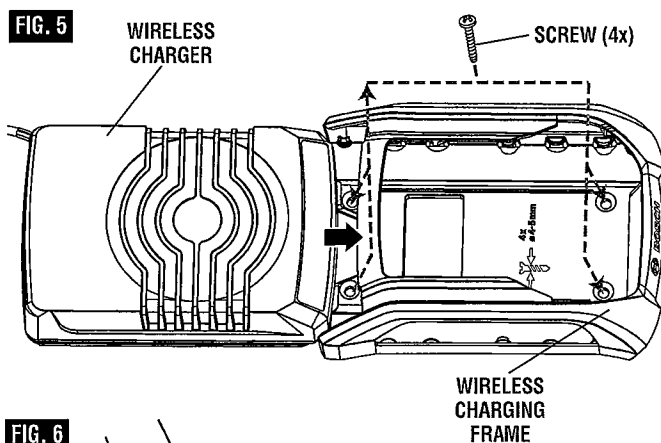
Insert charger fully into frame (battery gauge first).

Insert tool with wireless charging battery into frame (Fig. 6)

Note: Battery may be inserted alone. Slide battery to end of rails.

To remove, slightly tip end closest to frame opening and slide out.

**⚠ WARNING** Fasten frame securely to surface. Charging frame may become dislodged and lead to personal injury.



**Vertical mounting. (Fig. 7)**

Remove charger from frame.

Mount frame with four 1/4" screws (not included).

Insert charger fully into frame (battery gauge first). Make sure charger snaps securely into position.

Insert wireless charging battery into frame.

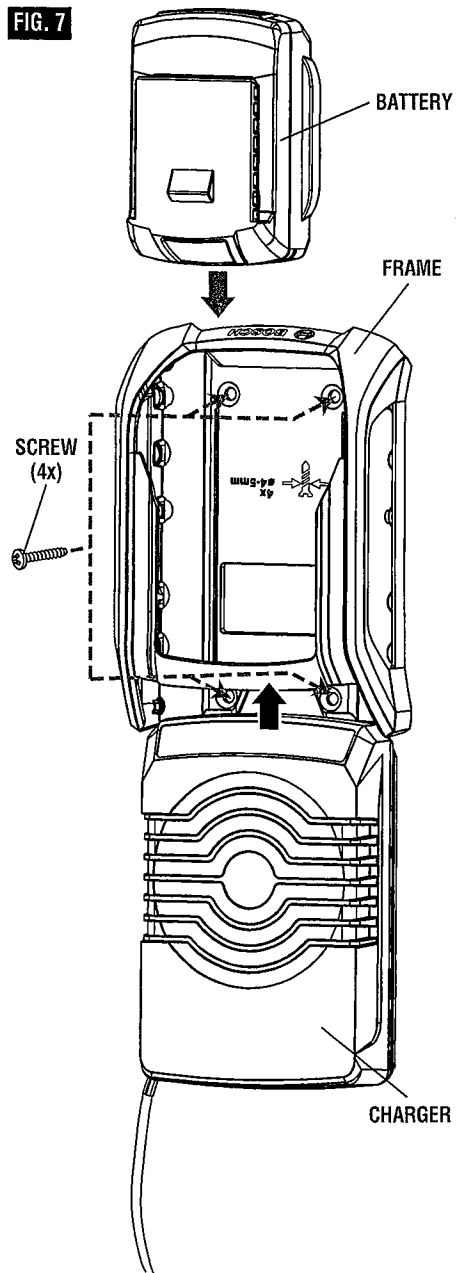
Note: Slide battery to end of rails.

To remove, slightly tip end closest to frame opening and slide out.

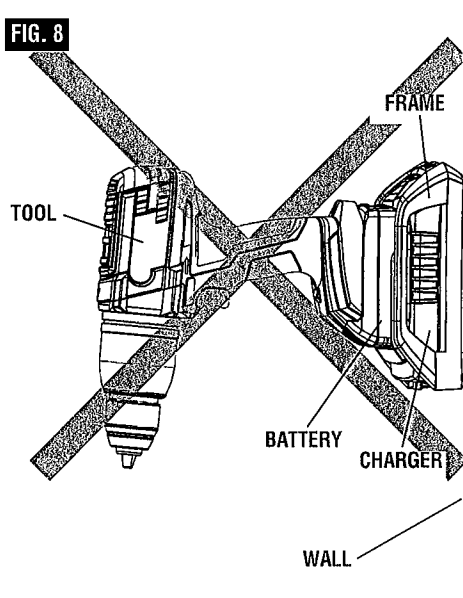
**⚠ WARNING** Do not charge batteries with tools attached in vertical position. Charging frame may break and lead to personal injury (Fig. 8).

**⚠ WARNING** Fasten frame securely to surface. Charging frame may become dislodged and lead to personal injury.

**FIG. 7**



**FIG. 8**



## Using Wireless Charging Holster WC18H

The wireless charger may be used in conjunction with the wireless charging holster WC18H. The holster allows added convenience by allowing secure installation in the cargo areas of a vehicle, either fastened to a shelf or to a wall.

Users with Sortimo® van racking systems may opt to install the holster between standard Sortimo® guide rails (Fig. 9a).

**⚠ WARNING** Supply in-vehicle power (120V AC) using pure sine wave inverters only. Failure to use a pure sine wave inverter may result in a charger malfunction or decrease in product life.

**⚠ WARNING** Do not install wireless charging holster in vehicles without a permanent barrier between cargo and passenger areas. Do not install wireless charging holster in vehicle passenger area. Wireless charging holster must be installed in vehicle cargo areas according to mounting instructions. Failure to properly install wireless charging holster in a vehicle with a permanent barrier between passenger and cargo areas could result in personal injury (Fig. 9b).

### Add/Change Holster Inserts

The holster is compatible with the following Bosch 18V Drill/Drivers and Impact Drivers through the use of specially-designed inserts (see Fig. 10a). When purchased as a toolkit, the correct insert is shipped with the toolkit. When purchased as a starter kit, the correct insert should be selected from the Holster Insert Compatibility table and installed according to the instructions below.

Note: Refer to Fig. 10a.

Holster-Compatible Tool	Insert
DDH181 HDH181 DDH181X HDH181X	A
DDS181 HDS181 DDS182 HDS182	B
25618	C
IDH182	D

FIG. 9a

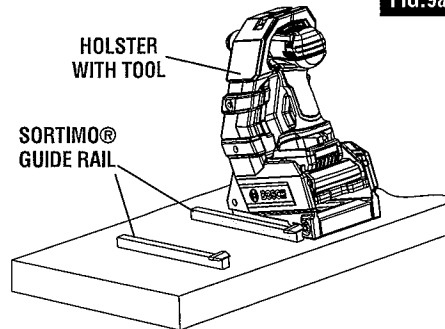
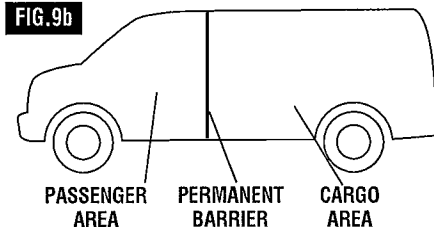


FIG. 9b



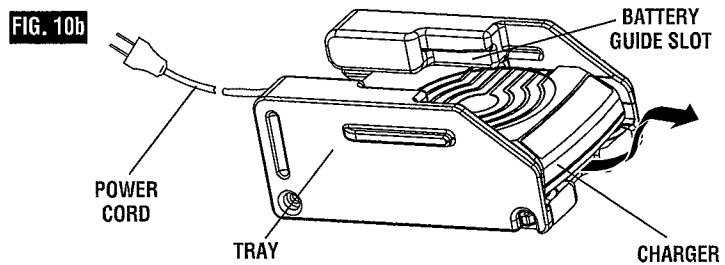
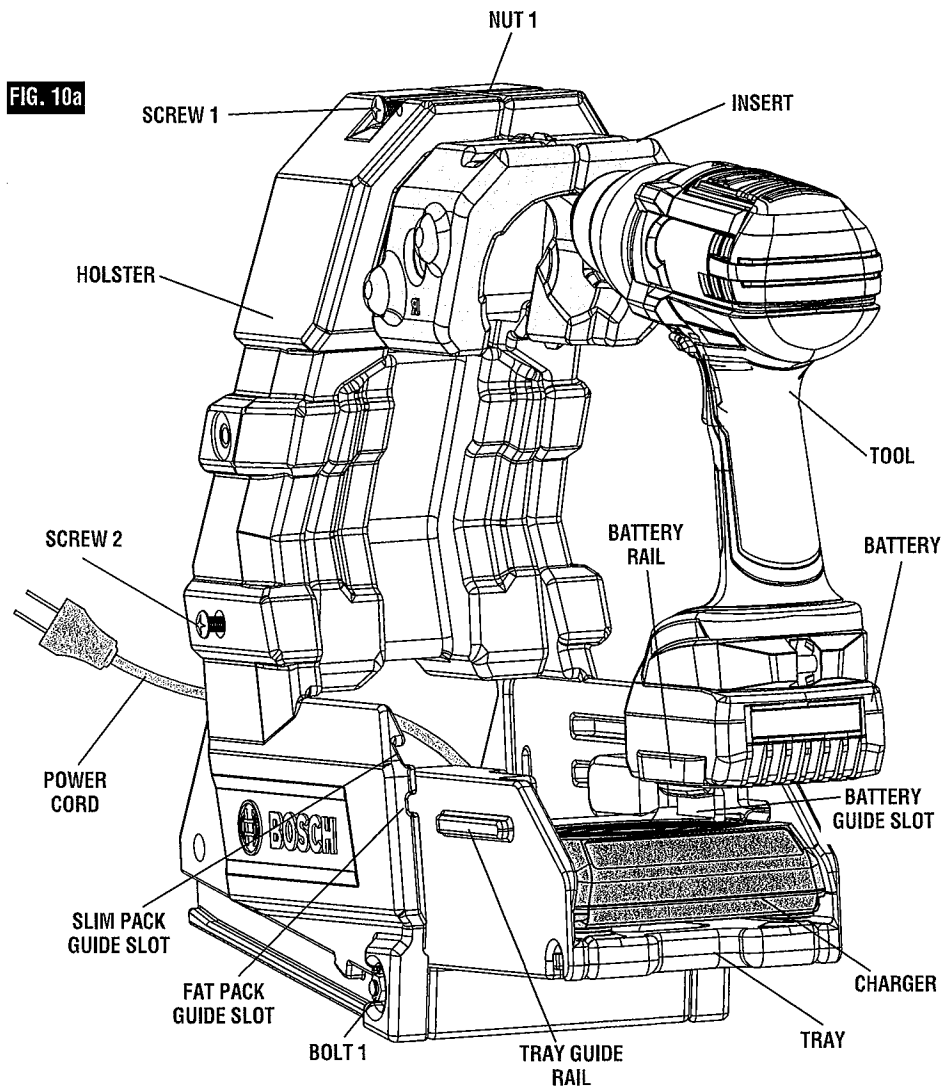
1. Remove Screw/Nut 1.
2. Loosen the (2x) Screw 2.
3. Remove installed inserts, pinching the bottom of inserts and pulling them from the holster.
4. Position new inserts, matching left and right sides appropriately. Grooves in inserts and holster should align.
5. Retighten (2x) Screw 2.
6. Reattach and tighten Screw/Nut 1.

### Installing the Charger into the Holster

1. Slide the charger into the tray. (Fig. 10b) Be sure that the charger is fully inserted into the tray and that the cord is routed out the back of the tray.
2. Slide the tray into the holster. For SlimPack batteries, slide the tray guide rails into the SlimPack guide slot. For FatPack batteries, slide the tray guide rails into the FatPack guide slot. Be sure to rout the power cord through the back of the holster. (Fig 10a)

### Removing the Charger from the Holster

1. Unplug the power cord from power supply
2. Remove the tray from the holster (Fig 10a)
3. Remove the charger from the tray by first pulling charger up, then out of the tray. (Fig. 10b)



### Side Mount Instructions

The holster may be mounted to shelf or workbench side walls through the side mounting holes using the hardware provided (Fig. 11).

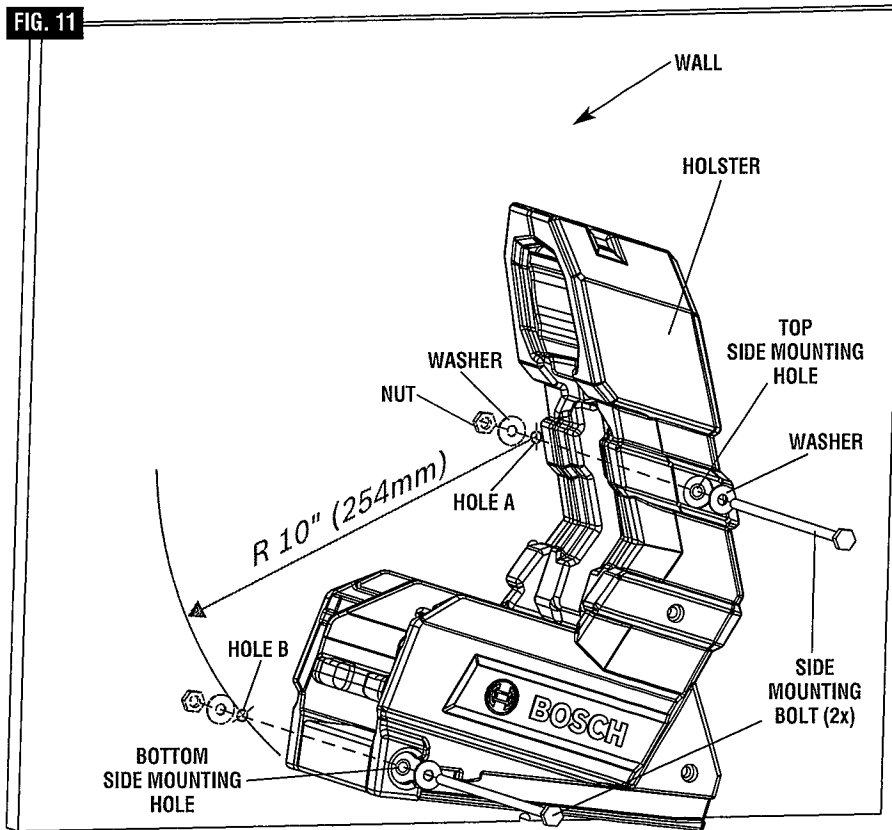
1. Determine desired mounting position and orientation. Holster may be mounted from either its left or right side. See Fig. 12a for acceptable mounting positions.
2. If mounting holes are not available, mark and pre-drill holes for side mounting bolts. Side mounting bolt spacing is 10 inches (254mm).

3. Remove Bolt 1 from bottom side mounting hole.

4. Attach holster to wall as shown in Fig. 11

**▲ WARNING** **Fasten holster securely to side walls.** Holster not securely fastened may become dislodged and lead to personal injury

**▲ WARNING** **Mount holster in only recommended orientations.** Failure to properly orient holster may cause holster and/or power tool to become dislodged and lead to personal injury.



### Side Mount Orientation

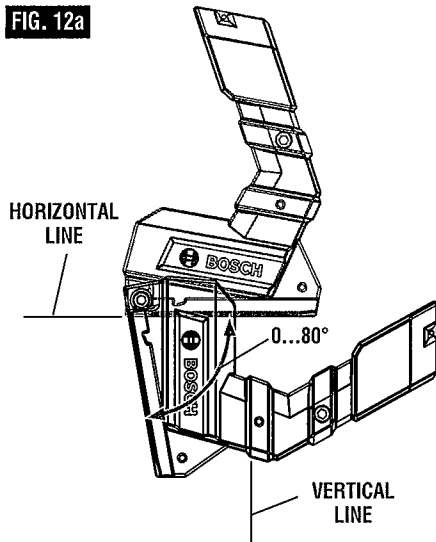
When side mounting the holster, use only the orientations between 0° and 80° from horizontal relative to the bottom surface of the holster (Fig. 12a). Do not mount the holster in orientations that may

cause the power tool to fall out of holster (Fig. 12b).

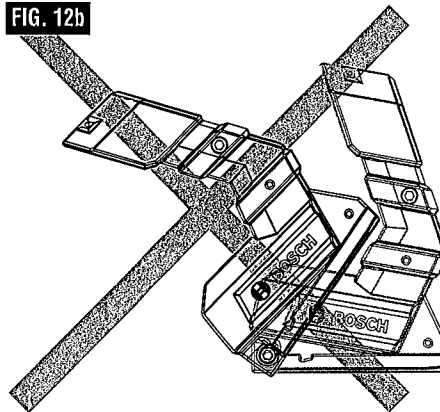
Do not mount the holster to a ceiling (Fig. 13a).

Do not mount the holster to a wall using the bottom mounting holes (Fig. 13b).

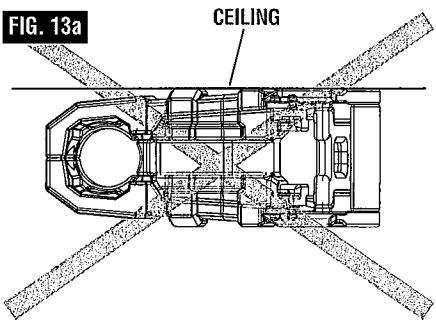
**FIG. 12a**



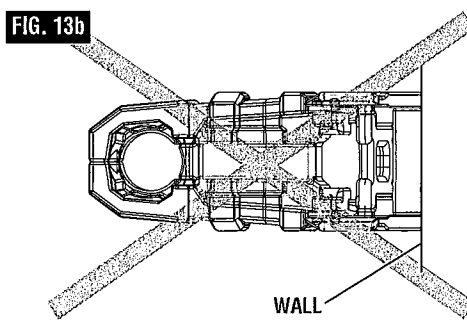
**FIG. 12b**



**FIG. 13a**



**FIG. 13b**

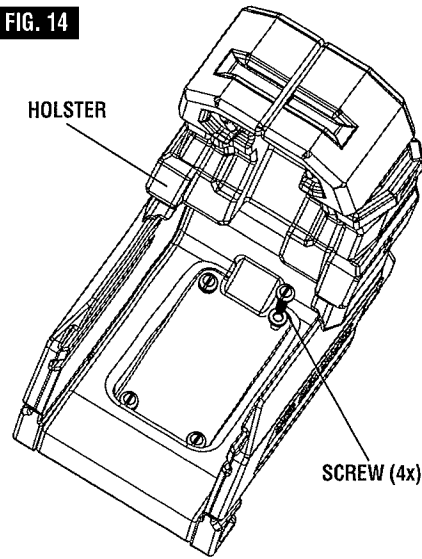


### Bottom Mounting Instructions

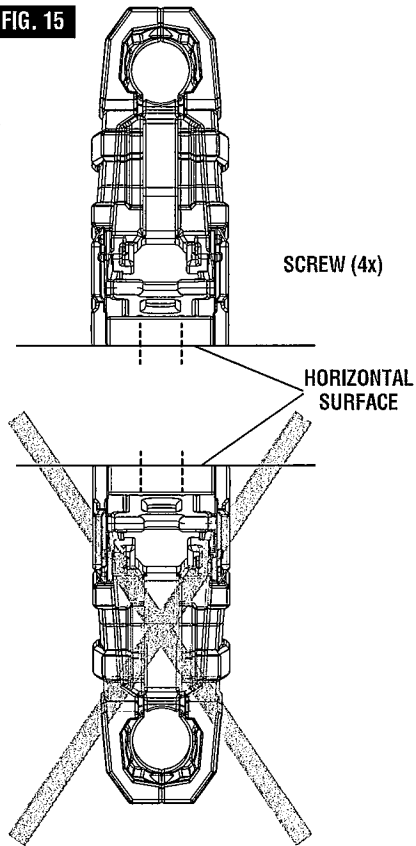
The holster may be mounted to flat surfaces through the holes in its base (Fig 14). Do not mount holster upside down (Fig. 15).

**⚠ WARNING** Fasten holster securely to horizontal surfaces with appropriate hardware. Holster not securely fastened may become dislodged and lead to personal injury

**FIG. 14**



**FIG. 15**



### Troubleshooting

PROBLEM	REMEDY
<b>Red error indicator 4 flashes No charging procedure possible</b>	
The battery is not positioned (correctly)	Position the battery centrally with the battery base on the charging platform
Detection of foreign object An object other than / in addition to the battery is on the charging platform	Remove object
Incorrect battery has been positioned on it	Position compatible battery on it
Battery pack defective	Replace the battery
<b>Standby indicator (green) does not illuminate</b>	
Main plug of battery charger not plugged in (properly)	Insert main plug (fully) into the socket outlet
Socket outlet, mains cable or battery charger defective	Check the main voltage; have the battery charger checked by an authorised after-sales service agent for Bosch power tools