

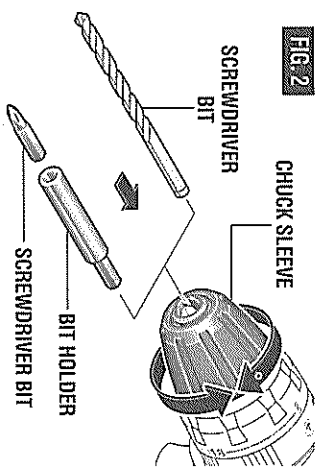
Assembly

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

INSERTING BITS

Move reverse switch lever to the center "OFF" position. Remove battery pack and rotate the clutch ring to the drill bit symbol "▲". Rotate the chuck sleeve counter-clockwise viewing from chuck end, and open chuck to approximate drill bit diameter. Insert a clean bit up to the drill bit flutes for small bits, or as far as it will go for large bits. Close chuck by rotating the chuck sleeve clockwise and securely tighten by hand (Fig. 2).

⚠ WARNING Do not use the power of the drill while grasping chuck to loosen or tighten bit. Friction burn or hand injury is possible if attempting to grasp the spinning chuck.



Operating Instructions

VARIABLE SPEED CONTROLLED TRIGGER SWITCH

Your tool is equipped with a variable speed trigger switch. The tool can be turned "ON" or "OFF" by squeezing or releasing the trigger. The speed can be adjusted from the minimum to maximum nameplate RPM by the pressure you apply to the trigger. Apply more pressure to increase the speed and release pressure to decrease speed (Fig. 1).

FORWARD/REVERSING LEVER & TRIGGER LOCK

⚠ WARNING After tool use, lock trigger in "OFF" position to help prevent accidental starts and accidental discharge.

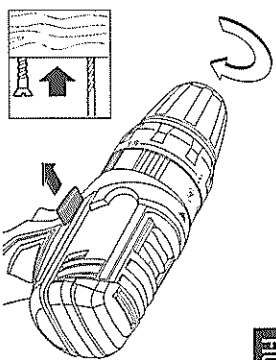


FIG. 3

Your tool is equipped with a forward/reversing lever and trigger lock located above the trigger (Fig. 3). This lever was designed for changing rotation of the bit, and for locking the trigger in an "OFF" position. For forward rotation, (with chuck pointed away from you) move the lever to the far left (Fig. 3). For reverse rotation move the lever to the far right (Fig. 4). To activate trigger lock move lever to the center off position.

⚠ CAUTION Do not change direction of rotation until the tool comes to a complete stop. Shifting during rotation of the chuck can cause damage to the tool.

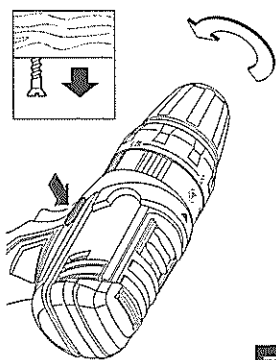


FIG. 4

GEAR SHIFTING

Your tool is equipped with two separate gear ranges, low gear and high gear. Low gear provides high-torque and slower drilling speeds for heavy duty work or for driving screws. High gear provides faster speeds for drilling lighter work. To change speeds slide switch, to the high or low position (Fig. 5).

ATTENTION: If your tool appears to be running, but the chuck will not turn, check to make sure the gear shifting switch is pushed fully into desired setting.

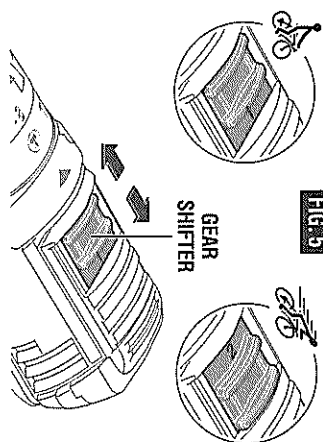


FIG. 5

ADJUSTABLE CLUTCH

Your tool features 26 clutch settings. Output torque will increase as the clutch ring, is rotated from 1 to 25. The drill "▲" position will lock up the clutch to permit drilling and driving heavy-duty work, and also enables bits to be changed quickly and easily in the keyless chuck (Fig. 6).

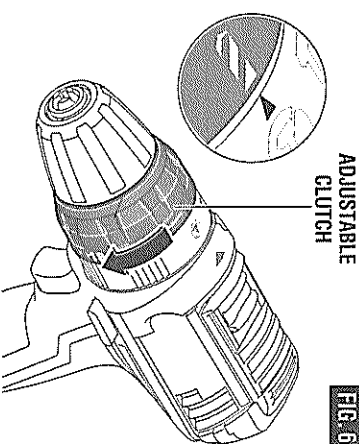


FIG. 6

BRAKE

When the trigger switch is released it activates the brake to stop the chuck quickly. This is especially useful in the repetitive driving and removal of screws.

BUILT IN WORK LIGHT

Your tool is also equipped with a light that turns on automatically when the switch is activated, for better visibility when drilling/driving (Fig. 1).

BELT CLIP

⚠ WARNING When the tool is attached to the belt, position yourself to avoid entanglement with surrounding objects. Unexpected entanglement could cause the tool to fall resulting in injury to the operator or bystanders.

The optional belt clip accessory will allow you to conveniently attach your tool to your belt. This feature will allow you to have both hands free when climbing a ladder or moving to another work area.

The belt clip can be attached to either side of the tool by securing it with a mounting screw. Always make sure you securely tighten the mounting screw before use (Fig. 1).

To use clip, turn tool upside down and attach to your belt.

DRILL/HAMMER DRILL SELECTOR RING

(Model HDS181 only)

The selector ring allows the tool to be set for various drilling/hammer drilling applications. Rotate the selector dial right or left depending on the below applications (Fig. 7). Drill only action: For drilling in woods, metals, plastics or other non concrete materials.

Drill with hammer action: For drilling in concrete, asphalt, tile or other similar hard materials. The hammer drill position overrides the clutch for hammer drilling.

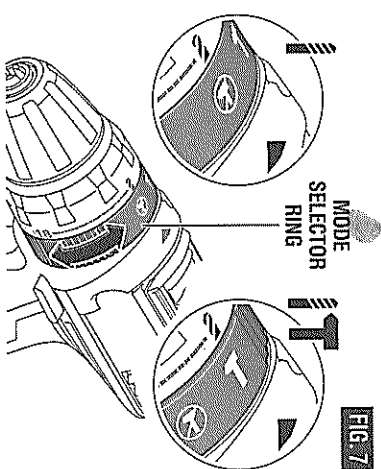


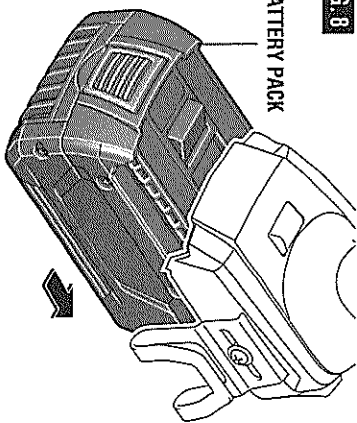
FIG. 7

INSERTING AND RELEASING BATTERY PACK

Set Forward/Reversing lever to the center (off position). Slide charged battery pack into the housing until the battery pack locks into position (Fig. 8).

Your tool is equipped with a secondary locking latch to prevent the battery pack from completely falling out of the handle, should it become loose due to vibration.

FIG. 8

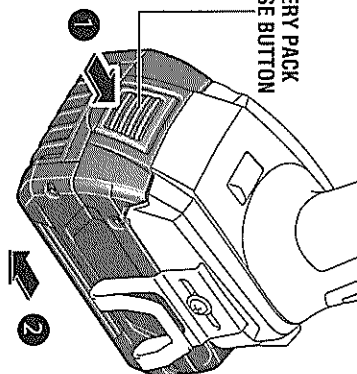


BATTERY PACK

To remove the battery pack, press the battery pack release button and slide the battery pack forward (Fig. 9).

Press the battery pack release button again and slide the battery pack completely out of tool housing (Fig. 9).

FIG. 9



BATTERY PACK RELEASE BUTTON

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.

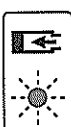
Note: Use of chargers or battery packs not sold by Bosch will void the warranty.

CHARGER INDICATORS, SYMBOLS AND MEANING (Model BC630)

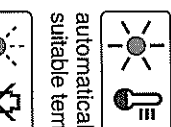
If the indicator lights are "OFF", the charger is not receiving power from power supply outlet.



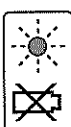
If the green indicator light is "ON", the charger is receiving power and the charger is ready for operation.



If the green indicator light is "BLINKING", the battery pack is being fast-charged. Fast-charging will automatically stop when the battery pack is fully charged.



If the red indicator light is "ON", the battery pack is too hot or cold for fast-charging. The charger will automatically switch to fast-charging once a suitable temperature is reached.



If the red indicator light is "BLINKING", the battery pack cannot accept a charge or the contacts of the charger or battery pack are contaminated. Clean the contacts of the charger or battery pack only as directed in these operating instructions or those supplied with your tool or battery pack.

CHARGING BATTERY PACK (Model BC630)

Plug charger cord into your standard power outlet.

With no battery pack inserted, the charger's green indicator light will go ON. This indicates the charger is receiving power and the charger is ready for operation.

When you insert the battery pack into the charger. The charger's green indicator light will begin to "BLINK". This indicates that the battery is receiving a fast charge (Fig. 10).

When the indicator light stops "BLINKING" (and becomes a steady green light) fast charging is complete. The battery pack is fully charged and can be removed from the charger.

The battery pack may be used even though the light may still be blinking. The light may require more time to stop blinking depending on temperature.

The purpose of the green light is to indicate that the battery pack is fast-charging. It does not indicate the exact point of full charge. The light will stop blinking in less time if the battery pack was not completely discharged.

When you begin the charging process of the battery pack, a steady red light could also mean the battery pack is too hot or too cold.

Fast charging is only possible when the temperature range of the battery pack is between 32°F (0°C) and 113°F (45°C). When needed, the internal fan of the charger will turn on to aid the charging process and speed.

As soon as the battery pack reaches the correct temperature range, the battery charger will automatically switch to fast charging.

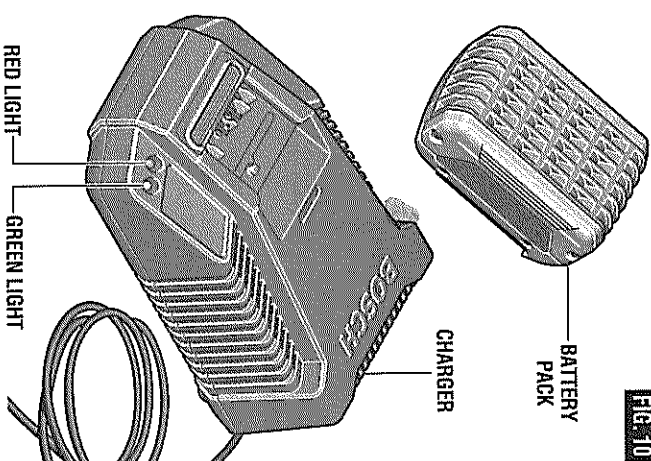
If the red indicator light is "BLINKING", the battery pack cannot accept a charge.

- Check to make sure the battery pack is inserted into the charger properly.

- Clean the contacts of the charger or battery pack (e.g. by inserting and removing the battery several times) or replace the battery pack, as required.

When the battery pack is fully charged, unplug the charger (unless you're charging another battery pack) and slip the battery pack back into the tool.

FIG. 10



RED LIGHT GREEN LIGHT