WARNING:
Improper and unsafe use of this power tool can result in death or serious bodily injury!
This manual contains important information about product safety. Please read and understand this manual before operating the power tool. Please keep this manual available for others before they use the power tool.
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IMPORTANT INFORMATION

Read and understand all of the operating instructions, safety precautions and
warnings in the Instruction Manual before operating or maintaining this power tool.

Most accidents that result from power tool operation and maintenance are caused
by the failure to observe basic safety rules or precautions. An accident can often be
avoided by recognizing a potentially hazardous situation before it occurs, and by
observing appropriate safety procedures.

Basic safety precautions are outlined in the “SAFETY” section of this Instruction
Manual and in the sections which contain the operation and maintenance instruc-
tions.

Hazards that must be avoided to prevent bodily injury or machine damage are
identified by WARNINGS on the power tool and in this Instruction Manual.

Never use this power tool in a manner that has not been specifically recommended
by HITACHI, unless you first confirm that the planned use will be safe for you and
others.

The warranty of this power tool is separately packed. Before using this power tool,
make sure to thoroughly read and understand the content of the warranty.

MEANINGS OF SIGNAL WORDS

WARNING indicates a potentially hazardous situations which, if ignored, could
result in serious personal injury.

CAUTION indicates a hazardous situations which, if ignored, could result in
moderate personal injury, or could cause machine damage.

NOTE emphasizes essential information.
IMPORTANT SAFETY INSTRUCTIONS FOR USING ALL POWER TOOLS

⚠️ WARNING: Death or serious bodily injury could result from improper or unsafe use of power tools. To avoid these risks, follow these basic safety instructions:

READ ALL INSTRUCTIONS

1. NEVER TOUCH MOVING PARTS.
   Never place your hands, fingers or other body parts near the tool’s moving parts.

2. NEVER OPERATE WITHOUT ALL GUARDS IN PLACE.
   Never operate this tool without all guards or safety features in place and in proper working order. If maintenance or servicing requires the removal of a guard or safety feature, be sure to replace the guard or safety feature before resuming operation of the tool.

3. ALWAYS WEAR EYE AND EAR PROTECTION.
   Protect yourself from flying or expelled wood chips, metal particles or other debris by using safety goggles or equivalent eye protection. Wear ear protection to protect yourself from excessive noise.

4. AVOID UNINTENTIONAL STARTING.
   Don’t carry the tool with your finger near the power switch.

5. STORE TOOL PROPERLY.
   When not in use, the tool should be stored in a dry place. Keep out of reach of children. Lock-out the storage area.

6. KEEP WORK AREA CLEAN.
   Cluttered areas and benches invite injuries.
   Clear all work areas and work benches of unnecessary tools, debris, furniture, etc.

7. CONSIDER WORK AREA ENVIRONMENT.
   Don’t expose power tools to rain.
   Don’t use power tools in damp or wet locations.
   Keep work area well lit and well ventilated.
   Don’t use tool in presence of flammable liquids or gases.
   Power tools produce sparks during operation. They also spark when switching ON/OFF. Never use power tools in sites containing lacquer, paint, benzine, thinner, gasoline, gases, adhesive agents, and other materials which are combustible or explosive.
8. **KEEP CHILDREN AWAY.**
Do not let visitors contact tool.
All visitors should be kept safely away from work area.

9. **DON’T FORCE TOOL.**
It will do the job better and safer at the rate for which it was intended.

10. **USE RIGHT TOOL.**
Don’t force small tool or attachment to do the job of a heavy-duty tool.
Don’t use tool for purpose not intended – for example – don’t use circular saw for cutting tree limbs or logs.

11. **DRESS PROPERLY.**
Do not wear loose clothing or jewelry.
They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors.
Wear protective hair covering to contain long hair.

12. **USE FACE OR DUST MAKE IF OPERATION IS DUSTY.**

13. **SECURE WORK.**
Use clamps or a vise to hold work. It’s safer than using your hand and it frees both hands to operate tool.

14. **DON’T OVERREACH.**
Keep proper footing and balance at all times.

15. **MAINTAIN TOOLS WITH CARE.**
Keep tools sharp and clean for better and safer performance.
Follow instructions for lubricating and changing accessories.
Keep handles dry, clean, and free from oil and grease.

16. **REMOVE ADJUSTING KEYS AND WRENCHES.**
Keys and adjusting wrenches remove from tool before turning it on.

17. **STAY ALERT.**
Watch what you are doing. Use common sense. Do not operate tool when you are tired.
Tools should never be used by you if you are under the influence of alcohol, drugs or medication that makes you drowsy.

18. **CHECK DAMAGED PARTS.**
Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this Instruction Manual.
Have defective switches replaced by authorized service center.
Do not use tool if switch does not turn it on and off.
19. **NEVER USE A POWER TOOL FOR APPLICATIONS OTHER THAN THOSE SPECIFIED.**
   Never use a power tool for applications other than those specified in the Instruction Manual.

20. **HANDLE TOOL CORRECTLY.**
   Operate the tool according to the instructions provided herein. Do not drop or throw the tool. Never allow the tool to be operated by children, individuals unfamiliar with its operation or unauthorized personnel.

21. **CHECK FOR LIVE WIRES.**
   Avoid the risk of severe electrical shock by checking for live electrical wires that may be hidden by walls, floors or ceilings. The wires should be de-energized before work begins.

22. **KEEP ALL SCREWS, BOLTS AND COVERS TIGHTLY IN PLACE.**
   Keep all screws, bolts, and plates tightly mounted. Check their condition periodically.

23. **DO NOT USE POWER TOOLS IF THE PLASTIC HOUSING OR HANDLE ARE CRACKED.**
   Cracks in the tool’s housing or handle can lead to electric shock. Such tools should not be used until repaired.

24. **BLADES AND ACCESSORIES MUST BE SECURELY MOUNTED TO THE TOOL**
   Prevent potential injuries to yourself or others. Blades, cutting implements and accessories which have been mounted to the tool should be secure and tight.

25. **NEVER USE A TOOL WHICH IS DEFECTIVE OR OPERATING ABNORMALLY.**
   If the tool appears to be operating unusually, making strange noises, or otherwise appears defective, stop using it immediately and arrange for repairs by an authorized Hitachi service center.

26. **CAREFULLY HANDLE POWER TOOLS.**
   Should a power tool be dropped or struck against hard materials inadvertently it may be deformed, cracked, or damaged.

27. **DO NOT WIPE PLASTIC PARTS WITH SOLVENT.**
   Solvents such as gasoline, thinner, benzine, carbon tetrachloride, and alcohol may damage and crack plastic parts. Do not wipe them with such solvents. Wipe plastic parts with a soft cloth lightly dampened with soapy water.

28. **USE ONLY AUTHENTIC HITACHI REPLACEMENT PARTS.**
   Replacement parts not manufactured by Hitachi may void your warranty and can lead to malfunction and resulting injuries. Authentic Hitachi parts are available from your dealer.
IMPORTANT SAFETY INSTRUCTIONS
FOR USE OF THE CORDLESS IMPACT DRIVER

⚠️ WARNING: Death or serious bodily injury could result from improper or unsafe use of the cordless impact driver. To avoid these risks, follow these basic safety instructions:

1. **Never** use this driver handle for any application other than those in this manual.
2. **Never** place hands or other body parts near the drill bit or chuck during operation. Hold the impact driver by its handle only.
3. When working in high places, **always** make sure that there is no one below before starting to work.
4. **Always** wear eye and ear protection when you work.
5. **Always** install the driver bit securely. A loose bit is dangerous because it can come loose while you are working.
6. **Always** use the driver bit that matches the screw size.
7. **Always** have the screw you are screwing in and this impact driver in a straight line. Working with this impact driver at an angle to the screw can damage the screw head and will not give the prescribed tightening torque.
8. Be careful that foreign matters do not block the holes located on both sides of the handle. Also do not close the holes with a tape. The holes act an important role.

IMPORTANT SAFETY INSTRUCTIONS FOR BATTERY CHARGER

1. This manual contains important safety and operating instructions for battery charger Model UC 12Y.
2. Before using battery charger, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.
3. To reduce risk of injury, charge HITACHI rechargeable batteries type EB7, EB9, EB12, EB2, B-2, B-3 or B-4. Other type of batteries may burst causing personal injury and damage.
4. Do not expose battery charger to rain or snow.
5. Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire, electric shock, or injury to persons.
6. To reduce risk of damage to electric plug and cord, pull by plug when disconnecting battery charger.
7. Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
8. An extension cord should not be used unless absolutely necessary. Use of improper extension cord could result in a risk of fire and electric shock. If extension cord must be used make sure:
   a. That blades of extension cord are the same number, size, and shape as those of plug on battery charger;
   b. That extension cord is properly wired and in good electrical condition; and
   c. That wire size is large enough for AC ampere rating of battery charger as specified in Table 1.

Table 1
RECOMMENDED MINIMUM AWG SIZE FOR EXTENSION CORDS FOR BATTERY CHARGERS

<table>
<thead>
<tr>
<th>AC Input Rating Amperes*</th>
<th>AWG Size of Cord</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Length of Cord, Feet (Meter)</td>
</tr>
<tr>
<td></td>
<td>25 (7.5)</td>
</tr>
<tr>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

* If the input rating of a battery charger is given in watts rather than in amperes, the corresponding ampere rating is to be determined by dividing the wattage rating by the voltage rating—for example:

\[
\frac{1250\text{watts}}{125\text{volts}} = 10\text{ amperes}
\]

9. Do not operate battery charger with damaged cord or plug—replace them immediately.
10. Do not operate battery charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified serviceman.
11. Do not disassemble battery charger; take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
12. To reduce risk of electric shock, unplug charger from receptacle before attempting any maintenance or cleaning. Removing the battery will not reduce this risk.
IMPORTANT SAFETY INSTRUCTIONS FOR USE OF THE BATTERY AND BATTERY CHARGER

You must charge the battery before you can use the cordless impact driver. Before using the model UC12Y battery charger, be sure to read all instructions and cautionary statements on it, the battery and in this manual.

REMEMBER: USE ONLY HITACHI BATTERIES TYPES EB7, EB9, EB12, EB2, B-2, B-3 or B-4. OTHER TYPES OF BATTERIES MAY BURST AND CAUSE INJURY!

Follow these instructions to avoid the risk of injury:

⚠️ WARNING: Improper use of the battery or battery charger can lead to serious injury. To avoid these injuries:

1. NEVER disassemble the battery.
2. NEVER incinerate the battery, even if it is damaged or is completely worn out. The battery can explode in a fire.
3. NEVER short-circuit the battery.
4. NEVER insert any objects into the battery charger’s air vents. Electric shock or damage to the battery charger may result.
5. NEVER charge outdoors. Keep the battery away from direct sunlight and use only where there is low humidity and good ventilation.
6. NEVER charge when the temperature is below 41°F (5°C) or above 104°F (40°C).
7. NEVER connect two battery chargers together.
8. NEVER insert foreign objects into the hole for the battery or the battery charger.
9. NEVER use a booster transformer when charging.
10. NEVER use an engine generator or DC power to charge.
11. NEVER store the battery or battery charger in places where the temperature may reach or exceed 104°F (40°C).
12. ALWAYS operate charger on standard household electrical power (120 volts). Using the charger on any other voltage may overheat and damage the charger.
13. ALWAYS wait at least 15 minutes between charges to avoid overheating the charger.
14. ALWAYS disconnect the power cord from its receptacle when the charger is not in use.
DISPOSAL OF THE EXHAUSTED BATTERY

⚠️ WARNING: Do not dispose of the exhausted battery. The battery must explode if it is incinerated. The product that you have purchased contains a rechargeable battery. The battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

SAVE THESE INSTRUCTIONS AND MAKE THEM AVAILABLE TO OTHER USERS OF THIS TOOL!
NOTE: The information contained in this Instruction Manual is designed to assist you in the safe operation and maintenance of the power tool.

Some illustrations in this Instruction Manual may show details or attachments that differ from those on your own power tool.

MODEL
WH8DC2: with charger

NAME OF PARTS
1. Impact Driver (WH8DC2)
   - Guide Sleeve
   - Nameplate
   - Switch Trigger
   - Push Button
   - Terminal Hole
   - Nameplate Latch
   - Battery (EB9)

2. Battery Charger (UC12Y)
   - Body
   - Battery Installation Hole
   - Nameplate
   - Pilot Lamp
   - Cord

Fig. 1

Fig. 2
# SPECIFICATIONS

## 1. Cordless Impact Driver (WH8DC2)

<table>
<thead>
<tr>
<th>Motor</th>
<th>DC Motor</th>
</tr>
</thead>
<tbody>
<tr>
<td>No-load speed</td>
<td>0 – 2200 rpm</td>
</tr>
</tbody>
</table>
| Capacity      | 5/32” (4 mm) – 5/16” (8 mm) (Small screw)  
|               | 5/32” (4 mm) – 15/32” (12 mm) (Ordinary bolt) |
| Tightening torque | Maximum 58 ft-lb (800 kg-cm)  
|                | Tightening is M10 high tensile bolt, when fully charged in 68°F (20°C) temp.  
|                | Tightening time: 3 sec. (Use hexagonal socket.) |
| Bit shank size | 1/4” (6.35 mm) Hex.           |
| Battery (EB9) | Nickel cadmium battery       |
| Voltage       | DC9.6V                        |
| Charging & discharging frequency | about 500 times             |
| Weight        | 3.1 lbs (1.4kg)               |

## 2. Battery Charger (UC12Y)

<table>
<thead>
<tr>
<th>Input power source</th>
<th>Single phase: AC 120V 60Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charging time</td>
<td>Approx. One hour (At a temperature of 68°F (20°C))</td>
</tr>
</tbody>
</table>
| Charger            | Charging voltage .......... DC 2.4 – 12V  
|                    | Charging current DC .......... 1.3A |
| Weight             | 2.9 lbs (1.3kg)              |
ACCESSORIES

⚠️ WARNING: Accessories for this power tool are mentioned in this Instruction Manual. The use of any other attachment or accessory can be dangerous and could cause injury or mechanical damage.

STANDARD ACCESSORIES

Battery Charger (UC12Y) ...... 1

Fig. 3

OPTIONAL ACCESSORIES...sold separately

1. Battery (EB9) (Code No. 991644Z)

Fig. 4

2. Phillips bit

<table>
<thead>
<tr>
<th>Bit No.</th>
<th>Code No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2</td>
<td>992671</td>
</tr>
<tr>
<td>No. 3</td>
<td>992672</td>
</tr>
</tbody>
</table>

Fig. 5
3. Hexagonal socket

![Hexagonal socket diagram]

<table>
<thead>
<tr>
<th>Part Name</th>
<th>Engraved characters</th>
<th>L</th>
<th>B</th>
<th>Code No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 mm Hexagonal socket</td>
<td>8</td>
<td>65</td>
<td>8</td>
<td>996177</td>
</tr>
<tr>
<td>6 mm Hexagonal socket</td>
<td>10</td>
<td>65</td>
<td>10</td>
<td>985329</td>
</tr>
<tr>
<td>5/16&quot; Hexagonal socket</td>
<td>12</td>
<td>65</td>
<td>12</td>
<td>996178</td>
</tr>
<tr>
<td>8 mm Hexagonal socket</td>
<td>13</td>
<td>65</td>
<td>13</td>
<td>996179</td>
</tr>
<tr>
<td>10 mm Hexagonal socket (small type)</td>
<td>14</td>
<td>65</td>
<td>14</td>
<td>996180</td>
</tr>
<tr>
<td>10 mm Hexagonal socket</td>
<td>16</td>
<td>65</td>
<td>16</td>
<td>996181</td>
</tr>
<tr>
<td>10 mm Hexagonal socket</td>
<td>17</td>
<td>65</td>
<td>17</td>
<td>996182</td>
</tr>
<tr>
<td>1/2&quot; Hexagonal long socket</td>
<td>21</td>
<td>166</td>
<td>21</td>
<td>996197</td>
</tr>
</tbody>
</table>

4. Wood working drill bit: Code No. 959183

![Wood working drill bit diagram]

5. Drill chuck adaptor set: Code No. 996195

Attach drills sold on the market for use in drilling holes.

![Drill chuck adaptor set diagram]

**APPLICATIONS**

- Driving and removing of small screws, small bolts, etc.
REMOVAL AND INSTALLATION METHOD OF BATTERY

> How to remove the battery.
> Hold the handle tight.
> Press the latch located at the front of the battery and pull out the battery. (Fig. 9)

> How to install the battery.
> Position the battery so that the latch faces toward the switch trigger in the handle and insert the battery. (Fig. 9)

CHARGING METHOD

> NOTE:
> Before plugging into the receptacle, make sure the following points.
> • The power source voltage is stated on the nameplate.
> • The cord is not damaged.

> ! WARNING:
> Do not charge at voltage higher than indicated on the nameplate.
> If charged at voltage higher than indicated on the nameplate, the charger will burn up.

1. Insert the plug of battery charger into the receptacle.
When the plug of battery charger has been inserted into the receptacle, pilot lamp will blink slowly. (At 1-second intervals.)


⚠️ **WARNING:** Do not use the electrical cord if damaged. Have it repaired immediately.

2. Insert the battery to the battery charger.
   Insert the battery into the battery charger as shown in Fig. 10. Make sure it contacts the bottom of the battery charger.

3. Charging
   - When the battery is connected to the battery charger, charging will commence and the pilot lamp will light on. (See Table 2)

   **NOTE:** If the pilot lamp blinks, pull out the plug from the receptacle and check if the battery is properly mounted.

   - In approx. one hour, when the battery is fully charged, the pilot lamp will blink slowly (At 1-second intervals.) (See Table 2)

<table>
<thead>
<tr>
<th>Table 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Indications of the pilot lamp</strong></td>
</tr>
<tr>
<td><strong>Before charging</strong></td>
</tr>
<tr>
<td><strong>While charging</strong></td>
</tr>
<tr>
<td><strong>Charging complete</strong></td>
</tr>
<tr>
<td><strong>Charging impossible</strong></td>
</tr>
</tbody>
</table>

4. Disconnect battery charger from the receptacle.

⚠️ **CAUTION:** Do not pull the plug out of the receptacle by pulling on the cord. Make sure to grasp the plug when removing from receptacle to avoid damaging cord.

5. Remove the battery from the battery charger.
   Supporting the battery charger with hand, pull out the battery from the battery charger.
CAUTION:

- When the battery charger has been continuously used, the battery charger will be heated, thus constituting the cause of failures. Once the charging has been completed, give 15 minutes rest until the next charging.
- If the battery is recharged when it is warm due to battery use or exposure to sunlight, the pilot lamp may not light. The battery will not be recharged. In such a case, let the battery cool before charging.
- If the pilot lamp blinks quickly (at 0.2-second intervals), check for and take out any foreign objects in the charger’s battery installation hole. If there are no foreign objects, it is probable that the battery or charger is malfunctioning. Bring them to HITACHI AUTHORIZED SERVICE CENTER.

PRIOR TO OPERATION

1. Preparing and checking the work environment
   Make sure that the work site meets all the conditions laid forth in the precautions.
2. Checking the battery
   Make sure that the battery is installed firmly. If it is at all loose it can fall off and cause an accident.
3. Installing the bit
   Always follow the following procedure to install driver bit.
   (Fig. 11)
   (1) Pull the guide sleeve back
   (2) Insert the bit into the hexagonal hole in the anvil.
   (3) Release the guide sleeve and it returns to its original position.

CAUTION

If the guide sleeve does not return to its original position, then the bit is not installed properly.
**HOW TO USE**

1. Check the direction of rotation.
   The bit rotates clockwise (viewed from the rear side) by pushing the R-side of the push button.
   The L-side of the push button is pushed to turn the bit counterclockwise. (See Fig. 12) (The R and L marks are provided on the body.)

   ! **CAUTION:** The push button can not be switched while the impact driver is turning. To switch the push button, stop the impact driver, then set the push button.

2. Switch operation
   - When the switch trigger is pulled, the bit rotates.
   - The rotational speed can be controlled by varying the amount that the switch trigger is pulled. Speed is low when the switch trigger is pulled slightly and increases as the switch is pulled more.

**NOTE**

A buzzing noise is produced when the motor is about to rotate; this is only a noise, not a machine failure.

3. Tightening and loosening screws
   Install the bit that matches the screw, line up the bit in the grooves of the head of the screw, then tighten it.
   Push the impact driver just enough to keep the bit fitting the head of the screw.

   ! **CAUTION:**
   - Applying the impact driver for too long tightens the screw too much and can break it.
   - Tightening a screw with the impact driver at an angle to that screw can damage the head of the screw and the proper force will not be transmitted to the screw. Tighten with this impact driver lined up straight with the screw.
4. Number of screw or bolt tightenings possible (with one charge)
   Please refer to the table below for the number of bolt tightenings possible with one charge.

<table>
<thead>
<tr>
<th>*Bolt used</th>
<th>Tightening time</th>
<th>No. of tightenings</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8” (10 mm) High tensile bolt</td>
<td>1 sec</td>
<td>Approx. 220</td>
</tr>
</tbody>
</table>

   *Use hexagonal socket

   As shown above, the longer tightening time is, the fewer the number of tightenings, and the shorter the time is, the greater the number of tightenings possible. These values may vary slightly, according to surrounding temperature and battery characteristics.

**OPERATIONAL CAUTIONS**

1. After continuous work, allow the unit to rest
   When you replace the batteries after continuously using the unit to tighten screws, let the unit rest for about 15 minutes.
   If you continue using the unit immediately after replacing the batteries, the motor and switch etc. may become very hot, and may burn out.

2. Cautions on use of the speed control switch
   This switch has a built-in, electronic circuit which infinitely varies the rotation speed. Consequently, when the switch trigger is pulled only slightly (low speed rotation) and the motor is stopped while continuously driving in screws, the components of the electronic circuit parts may overheat and be damaged.

Fig. 13

Fig. 14

Steel plate thickness

Screw

Washer

Screw diameter 3/16” x Length 3/8” (5 mm) (10 mm)
Screw diameter 1/4” x Length 3/8” (6 mm) (10 mm)
Screw diameter 5/16” x Length 15/32” (8 mm) (12 mm)
3. Tightening torque
Refer to Fig. 13 for the tightening torque of screws (according to size), under the conditions shown in Fig. 14. Please use this example as a general reference, as tightening torque will vary according to tightening conditions.

NOTE
- If a long striking time is used, screws will be strongly tightened. This may cause the screw to break, or may damage the end of the bit.
- If the unit is held at an angle to the screw being tightened, the head of the screw may be damaged, or the specified torque may not be transmitted to the screw. Always keep the unit and the screw being tightened in a straight line.

4. Use a tightening time suitable for the screw
The appropriate torque for a screw differs according to the material and size of the screw, and the material being screwed etc., so please use a tightening time suitable for the screw. In particular, if a long tightening time is used in the case of screws smaller than 1/4" (6 mm), there is a danger of the screw breaking, so please confirm the tightening time and the tightening torque beforehand.

MAINTENANCE AND INSPECTION

⚠️ CAUTION: Pull out battery before doing any inspection or maintenance.

1. Checking the condition of the bit.
The bits should be checked regularly. If worn or broken bits can slip or decrease the efficiency of the motor and burn it out.

⚠️ CAUTION: If you use a driver bit of which point is worn or broken, it will be dangerous since it slips. So replace it with a new one.

2. Check the Mounting Screws
Loose mounting screws are dangerous. Regularly inspect them and make sure they are tight.

⚠️ CAUTION: Using this power tool with loosen, screws is extremely dangerous.

3. Check for Dust
Dust may be removed with a soft cloth or a cloth dampened with soapy water. Do not use bleach, chlorine, gasoline or thinner, for they may damage the plastics.
STORAGE

Storing in a place below 104°F (40°C) and out of the reach of children.

SERVICE AND REPAIRS

All quality power tools will eventually require servicing or replacement of parts because of wear from normal use. To assure that only authorized replacement parts will be used, all service and repairs must be performed by a HITACHI AUTHORIZED SERVICE CENTER, ONLY.

NOTE:
Specifications are subject to change without any obligation on the part of the HITACHI.
<table>
<thead>
<tr>
<th>Item No.</th>
<th>Part Name</th>
<th>Part Name</th>
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<tbody>
<tr>
<td>1</td>
<td>Retaining Ring</td>
<td>39 Grip Tape</td>
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<tr>
<td>2</td>
<td>Retainer</td>
<td>40 Battery EB9</td>
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<tr>
<td>3</td>
<td>Guide Spring</td>
<td>501 Charger (Model UC12Y)</td>
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<tr>
<td>4</td>
<td>Guide Sleeve (A)</td>
<td>502 Case</td>
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<tr>
<td>5</td>
<td>Oil Seal</td>
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<td>6</td>
<td>Metal</td>
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<tr>
<td>7</td>
<td>Rubber Washer</td>
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<tr>
<td>8</td>
<td>Washer (F)</td>
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<td>9</td>
<td>Steel Ball D3.175</td>
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<td>Anvil (H)</td>
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<td>Steel Ball D5.556</td>
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<td>12</td>
<td>Hammer</td>
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<td>13</td>
<td>Steel Ball D3.97</td>
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<td>14</td>
<td>Washer (G)</td>
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<td>15</td>
<td>Spring</td>
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<td>20</td>
<td>Needle Roller</td>
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<td>21</td>
<td>Washer (C)</td>
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<td>22</td>
<td>Ball Bearing (6001VVCMP2L)</td>
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<td>23</td>
<td>Inner Cover</td>
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<td>25</td>
<td>Motor</td>
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<td>26</td>
<td>Tapping Screw (W/Flange) D4 × 20</td>
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<td>27</td>
<td>Nameplate</td>
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<td>28</td>
<td>HITACHI Label</td>
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<tr>
<td>29A</td>
<td>Housing (A), (B) Set</td>
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<tr>
<td>30</td>
<td>Machine Screw (W/Sp. Washer) M3 × 35</td>
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<td>31A</td>
<td>Switch Ass’y</td>
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<td>32</td>
<td>Pushing Button</td>
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<td>33A</td>
<td>Fin Ass’y</td>
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<td>Strap</td>
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<td>38A</td>
<td>S Tight Screw D3.5 × 6</td>
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Parts are subject to change without any obligation on the part of the HITACHI due to improvements.
Please contact HITACHI KOKI U.S.A. LTD. at 1-800-59-TOOLS (toll free), or HITACHI AUTHORIZED POWER TOOL SERVICE CENTER regarding COLLECTION.

NICKEL-CADMIUM BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.

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