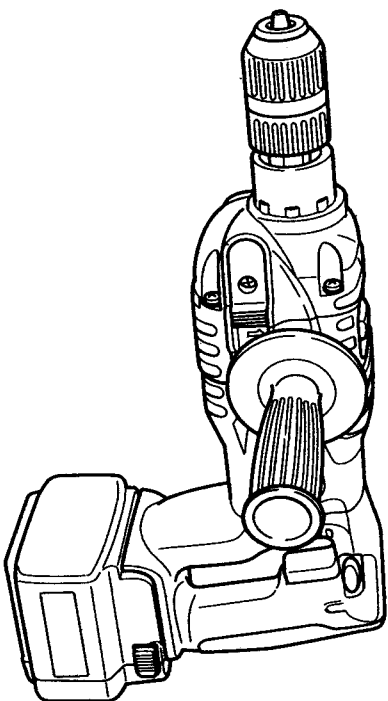


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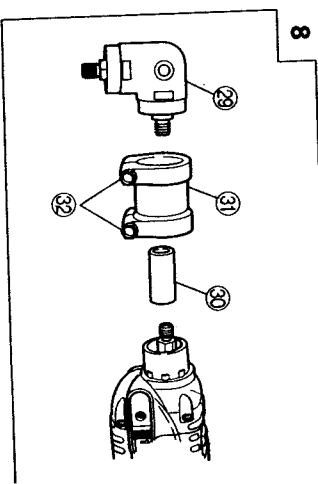
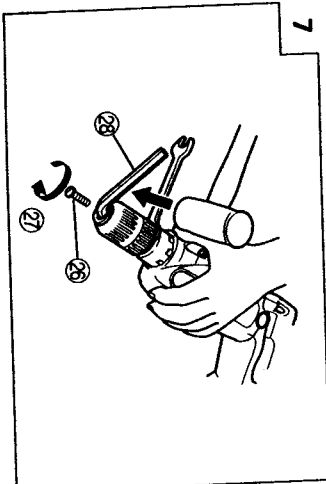
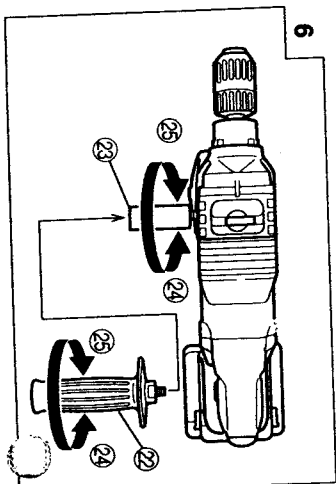
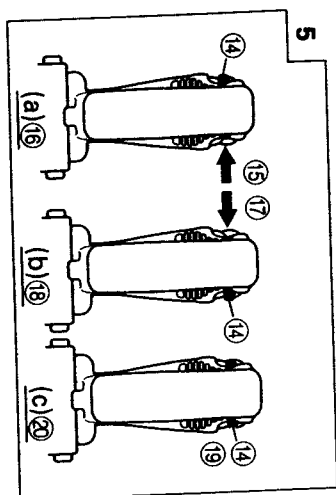
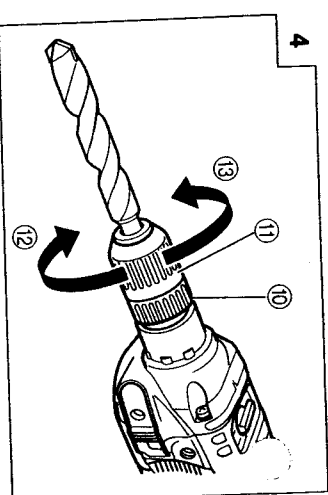
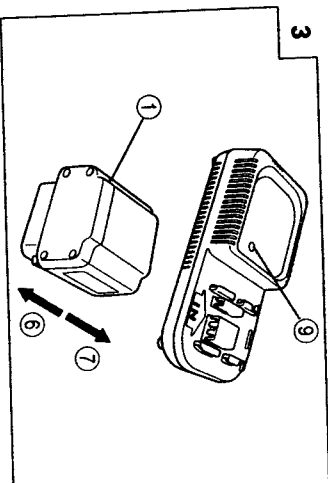
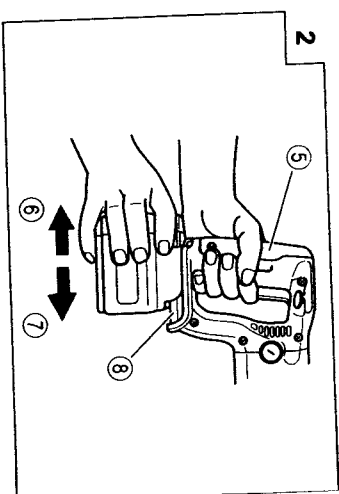
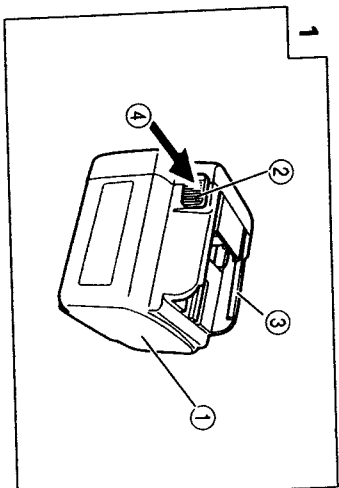
**CORDLESS IMPACT DRILL
AKKU-SCHLAGBOHRMASCHINE
PERCEUSE À PERCUSSION À BATTERIE
TRAPANO A PERCUSSIONE A BATTERIA
SNOERLOZE KLOPBOORMACHINE
TALADRO DE PERCUSIÓN A BATERÍA**

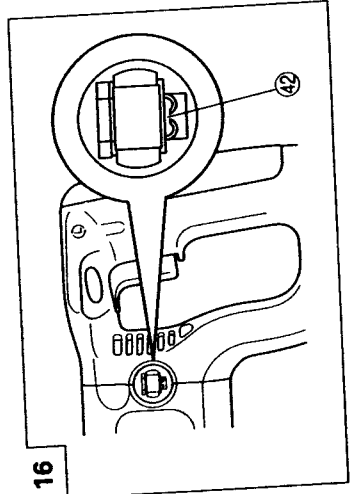
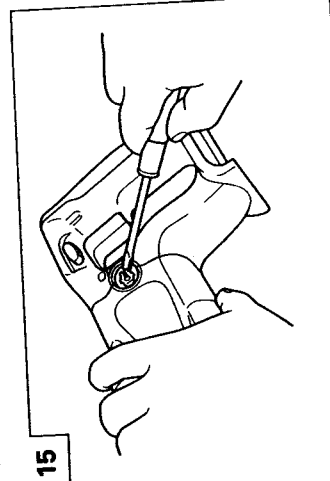
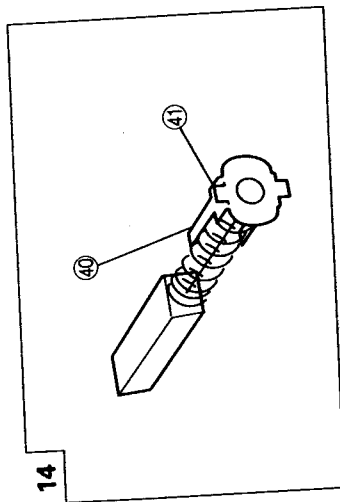
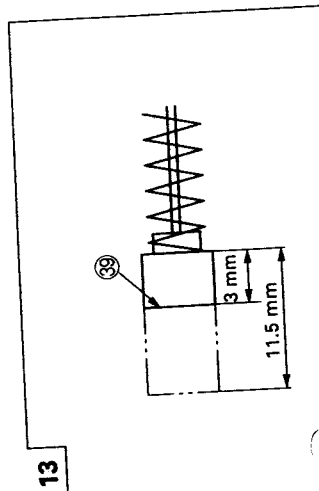
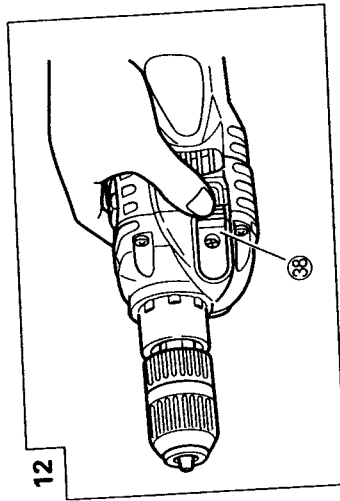
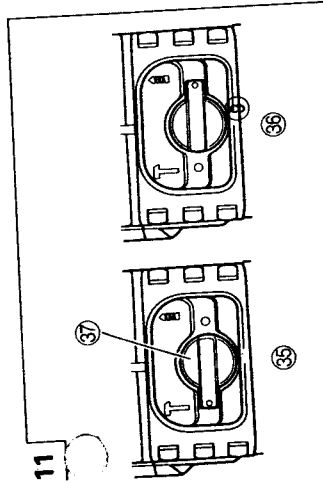
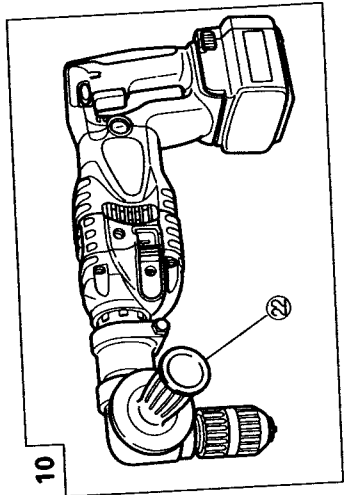
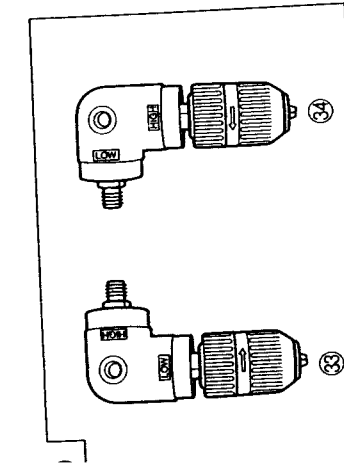
Variable speed
DV 24DV



Read through carefully and understand these instructions before use.
Diese Anleitung vor Benutzung des Werkzeugs sorgfältig durchlesen und verstehen.
Lire soigneusement et bien assimiler ces instructions avant usage.
Prima dell'uso leggere attentamente e comprendere queste istruzioni.
Deze gebruiksaanwijzing s.v.p. voor gebruik zorgvuldig doorlezen.
Leer cuidadosamente y comprender estas instrucciones antes del uso.

**Handling instructions
Bedienungsanleitung
Mode d'emploi
Istruzioni per l'uso
Gebruiksaanwijzing
Instrucciones de manejo**





	English	Deutsch	Français
1	Rechargeable battery	Akkumulator	Batterie rechargeable
2	Latch	Verriegelung	Tequet
3	Guide rail of battery	Führungsschiene der Batterie	Rail guide de la batterie
4	Push	Drücken	Pousser
5	Handle	Handgriff	Poignée
6	Pull out	Herausziehen	Tirer vers l'extérieur
7	Insert	Einsetzen	Insérer
8	Guide rail of body	Führungsschiene des Körpers	Rail guide du boîtier
9	Pilot lamp	Kontrolllampe	Lampe témoin
10	Ring	Ring	Anneau
11	Sleeve	Manschette	Manchon
12	Tighten	Anziehen	Serrer
13	Loosen	Lösen	Desserter
14	Push button	Drückknopf	Poussoir
15	Push the (R) side	Die (R) Seite drücken	Pousser sur le côté (R)
16	Forward rotation	Vorwärtsdrehung	Rotation avant
17	Push the (L) side	Die (L) Seite drücken	Pousser sur le côté (L)
18	Reverse rotation	Rückwärtsdrehung	Rotation inverse
19	Center position	Mittenposition	Position médiane
20	Does not rotate	Keine Drehung	Aucune rotation
21	Diagram seen from the handle side	Die Zeichnung ist von der Handgriffseite aus gesehen.	Schéma, côté poignée
22	Side handle	Handgriff	Poignée latérale
23	Handle joint	Griffgelenk	Joint de poignée
24	Tighten	Anziehen	Serrer
25	Loosen	Lösen	Desserter
26	Locking screw	Feststellschraube	Vis de verrouillage
27	Loosen	Lösen	Desserter
28	Hex. bar wrench	Sechskant-Stiftschlüssel	Clef à six pans
29	Angle unit	Winkleinheit	Unité de perçage d'angle
30	Coupling	Kupplung	Couplage
31	Joint sleeve	Gelenkatulpe	Manchon de raccord
32	Clamping bolt	Anzugsschraube	Boulon de blocage
33	Low speed	Kleine geschwindigkeit	Vitesse ralentie
34	High speed	Große geschwindigkeit	Vitesse élevée
35	Impact	Schlagbohrer	Percussion
36	Rotation	Bohren	Rotation
37	Change lever	Umschalthebel	Lévier de changement
38	Shift lock (Push and slide)	Umschaltfeststeller (eindrücken und schieben)	Pièce de blocage coulissante (Pousser et faire coulisser)
39	Wear limit	Verschleißgrenze	Limite d'usure
40	Nail of carbon brush	Klaue der Kohlebürste	Clou de balai en carbone
41	Protrusion of carbon brush	Krempe der Kohlebürste	Saillie de balai en carbone
42	Contact portion outside brush tube	Kontaktteil außerhalb des Bürstenrohrs	Section de contact à l'extérieur du tube de balai

	Italiano	Nederlands	Español
1	Batteria ricaricabile	Oplaadbare accu	Batería recargable
2	Fermo	Vergrendeling	Cierre
3	Binario guida della batteria	Geleider batterij	Riel de guía de la batería
4	Spingere	Drukken	Presionar
5	Impugnatura	Handgreep	Asidero
6	Estarre	Uitrekken	Sacar
7	Inserire	Insteken	Insertar
8	Binario guida del corpo	Geleider behuizing	Riel de guía del cuerpo
9	Spia	Kontrolelampje	Lámpara piloto
10	Anello	Ring	Anillo
11	Collare	Klembus	Manguito
12	Stringere	Aandraaien	Apretar
13	Allentare	Losdraaien	Aflojar
14	Tasto de premere	Druktoets	Pulsador
15	Springere il lato (R)	Druk aan de (R) kant	Presione el lado (R)
16	Rotazione in avanti	Voorwaartse draairichting	Rotación hacia la derecha
17	Springere il lato (L)	Druk aan de (L) kant	Presione el lado (L)
18	Rotazione indietro	Terugwaartse draairichting	Rotación hacia la izquierda
19	Posizione centrale	Middenpositie	Posición central
20	Non ruota	Draait niet	No gira
21	Diagramma visto dal lato della maniglia	Schema, gezien vanaf de handgreep-kant	Diagrama visto desde el lado del asa
22	Laterale	Zijgreep	Mango lateral
23	Giunto maniglia	Koppeling handgreep	Unión del asa
24	Stringere	Aandraaien	Apretar
25	Allentare	Losdraaien	Aflojar
26	Vite di blocco	Vergrendelschroef	Tornillo de fijación
27	Allentare	Losdraaien	Aflojar
28	Chave a barra esagonale	Indussleutel	Llave de barra hexagonal
29	Elemento ad angolo	Haakse gedeelte	Unidad argulara
30	Accoppiamento	Koppelbus	Acoplamiento
31	Mancotto di collegamento	Verbindingsmof	Manguito de unión
32	Bullone di fissaggio	Klembout	Perno de fijación
33	Bassa velocità	Lage toerental	Velocidad alta
34	Alta velocità	Hoog toerental	Velocidad baja
35	Impatto	Slagboor	Impacto
36	Rotazione	Rotatie	Rotación
37	Leva di cambiamento	Wisselhendel	Palanca de cambio
38	Chivetta a cursore (Premere e spostare)	Vastzetknop (indrukken en schuiven)	Cierre de traslación (presionar y correr)
39	Limite di usure	Slijtagegrens	Limite de uso
40	Chiodo di spazzola di carbone	Nagel van koolborstel	Uña de escobilla de carbón
41	Sporgenza di spazzola di carbone	Uitsteeksel van koolborstel	Saliente de escobilla de carbón
42	Parte di contatto fuori dal tubo spazzola	Contact-gedeelte buiten de borstelbuis	Tubo exterior de la parte de contacto de la escobilla de carbón

GENERAL OPERATIONAL PRECAUTIONS

- Keep work area clean. Cluttered areas and benches invite accidents.
- Avoid dangerous environment. Don't expose power tools and charger to rain. Don't use power tools and charger in damp or wet locations. And keep work area well lit. Never use power tools and charger near flammable or explosive materials.
- Do not use tool and charger in presence of flammable liquids or gases.
- Keep children away. All visitors should be kept safe distance from work area.
- Store idle tools and charger. When not in use, tools and charger should be stored in dry, high or locked-up place-out of reach of children. Store tools and charger in a place where the temperature is less than 40°C.
- Don't force tool. It will do the job better and safer at the rate for which it was designed.
- Use right tool. Don't force small tool or attachment to do the job of a heavy duty tool.
- Wear proper apparel. Do not wear clothing or jewelry. They can be caught in moving parts. Rubber gloves and footwear are recommended when working outdoors.
- Use eye protection with most tools. Also use face or dust mask if cutting operation is dusty.
- Don't abuse cord. Never carry charger by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
- 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.
- Don't overreach. Keep proper footing and balance at all times.
- Maintain tools with care. Keep tools sharp at all times, and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- When the charger is not in use, or when being maintained and inspected, disconnect its power cord from the AC outlet.
- Remove chuck wrenches and wrenches. Form habit of checking to see that wrenches are removed from tool before turning it on.
- Avoid accidental starting. Don't carry tool with finger on switch.
- To avoid danger, always use only the specified charger.
- Use only genuine HITACHI replacement parts.
- Do not use power tools for applications other than those specified in the Handling Instructions.
- To avoid personal injury, use only the accessories or attachment recommended in these handling instructions or in the HITACHI catalog.
- Let only the authorized service facility do the repairing. The Manufacturer will not be responsible for any damages or injuries caused by repair by the unauthorized persons or by mishandling of the tool.
- To ensure the designed operational integrity of power tools and charger, do not remove installed covers or screws.
- Always use the charger at the voltage specified on the nameplate.

PRECAUTIONS FOR CORDLESS IMPACT DRILL

- Do not touch movable parts or accessories unless the battery has been removed.
- Always charge the battery before use.
- Never use a battery other than that specified. Do not connect a usual dry cell, a rechargeable battery other than that specified or a car battery to the power tool.
- Do not use any transformer that has a booster. Do not charge the battery from an engine electric generator or DC power supply.
- Always charge indoors. Because the charger and battery heat slightly during charging, charge the battery in a place not exposed to direct sunlight; where the humidity is low and the ventilation good.
- When working in a high place, pay attention to the activities below to make sure there are no people below.
- Use the exploded assembly drawing on this handling instructions only for authorized charging.

PRECAUTIONS FOR CORDLESS IMPACT DRILL

- Always charge the battery at a temperature of 0 - 40°C. A temperature of less than 0°C will result in over charging which is dangerous. The battery cannot be charged at a temperature higher than 40°C. The most suitable temperature for charging is that of 20 - 25°C.
- Do not use the charger continuously. When one charging is completed, leave the charger for about 15 minutes before the next charging of battery.
- Do not allow foreign matter to enter the hole for connecting the rechargeable battery.
- Never disassemble the rechargeable battery and charger.
- Never short-circuit the rechargeable battery. Short-circuiting the battery will cause a great electric current and overheat. It results in burn or damage to the battery.
- Do not dispose of the battery in fire. If the battery is burnt, it may explode.
- When drilling into wall, floor or ceiling, check for buried electric power cable, gas pipe, etc.
- Bring the battery to the shop from which it was purchased as soon as the post-charging battery life becomes too short for practical use. Do not dispose of the exhausted battery. Using an exhausted battery will damage the charger.
- Do not insert foreign object into the air ventilation slots of the charger. Inserting metal objects or inflammables into the charger air ventilation slots will result in electrical shock hazard or damaged charger.
- When mounting a bit into the keyless chuck, tighten the sleeve securely. If the sleeve is not tight, the bit may slip or come off, causing injury.

SPECIFICATIONS

POWER TOOL		DV24DV	
Model		0 - 400/0 - 1750 min ⁻¹ (min)	
No-load speed (1: Low/2: High)		0 - 7200/0 - 31500/min	
No-load impact rate (1: Low/2: High)		20 mm/10 mm (Depth 30 mm)	
Capacity	Concrete (1: Low/2: High)	38 mm/20 mm (Thickness 40 mm)	
	Wood (1: Low/2: High)	13 mm/8 mm (Thickness 1.6 mm)	
Rechargeable battery	Steel (1: Low/2: High)	Ni-Cd battery, 24 V	
		EB2420 (2.0 Ah) EB2430 HA (3.0 Ah) Ni-MH battery, 24 V	
Weight		4.0 kg	

CHARGER

Model	UC24YFB
Charging voltage	24 V
Weight	0.6 kg

STANDARD ACCESSORIES

DV24DV

- ① Charger (UC24YFB)
- ② Plastic case
- ③ Side handle
- ④ Handle joint

Standard accessories are subject to change without notice.

OPTIONAL ACCESSORIES (sold separately)

- 1. Battery (EB2420, EB2430HA)
 - 2. Angle unit
For use in drilling holes in narrow spaces
 - 3. Impact drill bit (for concrete)
3.2 mm - 20 mm dia.
- Optional accessories are subject to change without notice.

APPLICATIONS

By combined actions of ROTATION and IMPACT: Boring holes in hard materials (concrete, brick, tiles, etc.)
By ROTATIONAL action:
Boring holes in steel, wood and plastic.

BATTERY REMOVAL/INSTALLATION

Battery removal

Hold the handle tightly and push the battery latches to remove the battery (see Figs. 1 and 2).

CAUTION

Never short-circuit the battery.

Battery installation

Insert the battery aligning both guide rail of battery and body. Make sure the battery is fixed firmly.

CHARGING

Before using the impact drill, charge the battery as follows.

1. Connect the charger's power cord to a receptacle. When the power cord is connected, the charger's pilot lamp will blink in red. (At 1-second intervals).
2. Insert the battery into the charger.
3. Make sure the battery is fully seated in the charger.

3. Charging

When inserting a battery in the charger, charging will commence and the pilot lamp will light up continuously in red.

When the battery becomes fully recharged, the pilot lamp will blink in red. (At 1-second intervals.) (See Table 1)

(1) Pilot lamp indication

The indications of the pilot lamp are shown in Table 1, according to the condition of the recharger or the rechargeable battery.

	Indications of the pilot lamp	
Before charging	Blinks (RED) Lights for 0.5 seconds. Does not light for 0.5 seconds. (off for 0.5 seconds)	/
While charging	Lights (RED) Lights continuously	
Charging complete	Blinks (RED) Lights for 0.5 seconds. Does not light for 0.5 seconds. (off for 0.5 seconds)	/
Charging impossible	Flickers (RED) Lights for 0.1 seconds. Does not light for 0.1 seconds. (off for 0.1 seconds)	
Charging impossible	Lights (GREEN) Lights continuously	The battery temperature is high, making recharging impossible.

Table 3 Charging time (At 20°C)

Battery type	Recharging time
EB2420	Approx. 50 min.
EB2430HA	Approx. 70 min.

NOTE

The charging time may vary according to temperature and power source voltage.

4. Disconnect the charger's power cord from the receptacle.
 5. Hold the charger firmly and pull out the battery.
- NOTE**
After operation, pull out batteries from the charger first, and then keep the batteries properly.

Battery type	Temperatures at which the battery can be recharged
EB2420	-5°C - 60°C
EB2430HA	0°C - 45°C

- (3) Regarding recharging time
Depending on the type of battery, the charging time will become as shown in Table 3.

Regarding electric discharge in case of new batteries, etc.

As the internal chemical substance of new batteries and batteries that have not been used for an extended period is not activated, the electric discharge might be short when using them the first and second time. This is a temporary phenomenon, and normal time required for recharging will be restored by recharging the batteries 2 - 3 times.

How to make the batteries perform longer.

- (1) Recharge the batteries before they become completely exhausted.
When you feel that the power of the tool becomes weaker, stop using the tool and recharge its battery. If you continue to use the tool and exhaust the electric current, the battery may be damaged and its life will become shorter.
- (2) Avoid recharging at high temperatures.
A rechargeable battery will be not immediately after use. If such a battery is recharged immediately after use, its internal chemical substance will deteriorate, and the battery life will be shortened. Leave the battery and recharge it after it has been cooled for a while.

CAUTION

- If the battery has been heated right after operation (or due to sunlight, etc.), the charger's pilot lamp may not light in red. In such a case, first let the battery cool, then start charging.
- When the pilot lamp flickers in red 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. Take it to your authorized Service Center.
- Since the built-in micro computer takes about 3 seconds to confirm that the battery being charged with UC24YFB is taken out, wait for a minimum of 3 seconds before reinserting it to continue charging. If the battery is reinserted within 3 seconds, the battery may not be properly charged.

PRIOR TO OPERATION

1. Mounting and dismounting of the bit.

- (1) Mounting the bit
After inserting a drill bit into the keyless chuck, firmly grasp the ring and tighten the sleeve by turning it toward the right (in the clockwise direction as viewed from the front). (See Fig. 4)
- If the sleeve becomes loose during operation, tighten it further. The tightening force becomes stronger when the sleeve is tightened more over.
- (2) Dismounting the bit
Firmly grasp the ring and loosen the sleeve by turning it toward the left (in the counterclockwise direction as viewed from the front). (See Fig. 4)

2. Selecting the appropriate drill bit

- When boring concrete or brick
Accessories:
Use the drill bits specified in the Optional Accessories.
- When boring metal or plastic
Use an ordinary metalworking drill bit.

- When boring wood
Use an ordinary woodworking drill bit.
However, when drilling 6.5 mm or smaller holes, use a metalworking drill bit.

3. Confirm that the battery is mounted correctly.

The bit rotates clockwise (viewed from the rear side) by pushing the R-side of the push button. (Fig. 5-a)

4. Confirm the direction of bit rotation (Fig. 5)

The bit rotates clockwise (viewed from the rear side) by pushing the R-side of the push button. (Fig. 5-a)

5. Installing the side handle and handle joint (Fig. 6)

The motor does not rotate if the push button is set to the center position. (Fig. 5-b)

6. Attaching the angle unit. (Optional accessory)

- (1) Removing keyless chuck from impact drill (Fig. 7)
To remove the keyless chuck from the impact drill, open the keyless chuck jaws as far as possible and turn out the locking screw (left hand thread). This screw locks the keyless chuck to the spindle. Install the hex. bar wrench into the keyless chuck. Place the accessory wrench in the hexagonal opening of the angle unit spindle. Tightly restrain the impact drill on a firm base. Turn the keyless chuck until the wrench is at about a 30° angle to the bench top and strike the wrench sharply with a hammer so the keyless chuck turns in the counterclockwise direction (viewed from the front side). This should loosen the keyless chuck from the spindle which has a right hand thread and you will be able to remove the keyless chuck by hand.

CAUTION:

If the keyless chuck cannot be removed by striking the wrench, don't strike the wrench forcibly and send the impact drill to a HITCHHI AUTHORIZED SERVICE CENTER.

(2) Attaching the angle unit.

- (2) After removing the keyless chuck, engage the coupling to the impact drill spindle. Fit the joint sleeve to the gear cover, attach the angle unit to the other end of the joint sleeve, and turn the angle unit slightly in either direction so the hex. hole in the coupling engages the hex. portion of the angle unit spindle. Adjust the direction of the angle unit and tighten the joint sleeve by clamping bolts.
- Tighten two clamping bolts equally and gradually in turn with a torque of 886-794N·cm (70-80kgf·cm) (extent of force which can be subjected by only a wrist with the open end wrench provided to tight clamping bolts.). (Fig. 8)
- To operate the angle unit at low speed, attach the keyless chuck to the angle unit spindle at the side marked "LOW" and secure the locking screw. At this setting, the drilling speed is decreased to about 70% and the drilling torque is increased to about 150% (Fig. 9)
- To operate the angle unit at high speed, attach the keyless chuck to the angle unit spindle at the side marked "HIGH" and secure the locking screw. At this setting, the drilling speed is increased to about 150% and the drilling torque is decreased to about 70%. (Fig. 9)

- (3) Installing the side handle and handle joint (Fig. 10) The side handle and handle joint can be installed on either side of the angle unit for right or left handed use. To install the side handle and handle joint, thread it into the socket on the desired side of the angle unit and tighten it securely.
- (4) Removing keyless chuck from angle unit
 ○ The keyless chuck can be removed from the impact in the same manner it was removed from the impact drill; however, ALWAYS REMOVE ANGLE UNIT FROM THE IMPACT DRILL BEFORE ATTEMPTING TO LOOSEN KEYLESS CHUCK. This will prevent damage of impact drills gear. Use open end wrench provided to hold angle unit spindle before attempting to loosen keyless chuck.

CAUTION: If the keyless chuck cannot be removed by striking the wrench, don't strike the wrench forcibly and send the impact drill to a HITACHI AUTHORIZED SERVICE CENTER.

7. **IMPACT to ROTATION changeover (Fig. 11)**
 The Impact Drill can be switched from IMPACT (Impact plus rotation) to ROTATION (rotation only) by turning the change lever. When boring concrete, stone, tile or similar hard materials, turning the change lever to IMPACT side. The drill head impacts against the material while continuing to rotate. When boring metal, wood or plastic, turning the change lever to ROTATION side. The impact drill can be used as an ordinary electric drill.

CAUTION

- Do not use the IMPACT function for the material such as woods or metals. Such usage will not only reduce drill efficiency, but may also damage the drill tip.
- The change lever may not turn smoothly when changing from impact drill mode to drill mode. (Fig. 11)

- In this case, operate the machine for few seconds. The spindle shaft will then be pushed forward, and the change lever can be moved smoothly.
8. **High-speed/Low-speed changeover (Fig. 12)**
 Prior to changing speed, ensure that the impact drill has come to a complete stop. To change speed, depress the shift lock and slide in to the appropriate direction, as indicated by the arrow in Fig. 12. The numeral "1" engraved in the impact drill body denotes low speed, the numeral "2" denotes high speed.

PRACTICAL HANDLING PROCEDURES

1. **Switch operation**
 ○ When the switch trigger is depressed, the tool rotates. When the switch trigger is released, the tool stops.
- The rotational speed of the impact drill 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 trigger is pulled more.
- When releasing the switch trigger, the brake will be applied for immediate stopping.
2. **When using as a Drill or an Impact Drill**
 (1) Pressing force of the impact drill
 You cannot drill holes more quickly even if you

press the impact drill with a stronger force than necessary. It not only damages tip of drill bit and decreases the efficiency of operation, but also shortens the life of the drill tip.

(2) In case of penetrating holes
 Drill bits can be broken when the material being drilled is penetrated. It is important to decrease pressing force just before penetrating.

CAUTION

In continuous operation, conduct no-load operation for five seconds after completing a drilling job.

- (3) When a thick drill bit is used
 Your arm is subjected to larger reaction force when a thicker drill bit is used. Be careful not to be moved by the reaction force. For this, establish a foothold, hold the unit tightly with both hands perpendicularly to the material being drilled.

NOTE

The use of the battery EB2430HA in a cold condition (below 0 degree Centigrade) can sometimes result in the weakened drilling torque and reduced amount of work. This, however, is a temporary phenomenon, and returns to normal when the battery warms up.

MAINTENANCE AND INSPECTION

1. **Inspecting the drill bit**
 Continued use of a worn and/or damaged drill bit will result in reduced drilling efficiency and may bit frequently and replace it as necessary.
2. **Inspecting the mounting screws**
 Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.
3. **Maintenance of the motor**
 The motor unit winding is the very "heart" of the power tool. Exercise due care to ensure the winding does not become damaged and/or wet with oil or water.
4. **Inspecting the carbon brushes (Fig. 13)**
 The motor employs carbon brushes which are consumable parts. Since and excessively worn carbon brush can result in motor trouble, replace the carbon brush with new ones when it becomes worn to or near the "wear limit". In addition, always keep carbon brushes clean and ensure they slide freely within the brush holders.

NOTE:

When replacing the carbon brush with a new one, be sure to use the Hitachi Carbon Brush Code No. 999058.

5. **Replacing carbon brushes**
 Take out the carbon brush by first removing the brush cap and then hooking the protrusion of the carbon brush with a flat head screw driver, etc., as shown in Fig. 15.
- When installing the carbon brush, choose the direction so that the nail of the carbon brush agrees with the contact portion outside the brush tube. Then push it in with a finger as illustrated in Fig. 16. Lastly, install the brush cap.
- CAUTION:**
 Be absolutely sure to insert the nail of the carbon

brush into the contact portion outside the brush tube. (You can insert whichever one of the two tube is provided.)
 Caution must be exercised since any error in this operation can result in the deformed nail of a carbon brush and may cause motor trouble at an early stage.

6. **Cleaning of the outside**

When the impact drill is stained, wipe with a soft dry cloth or a cloth moistened with soapy water. Do not use chloric solvents, gasoline or paint thinner, as they melt plastics.

7. **Storage**

Store the impact drill in a place in which the temperature is less than 40°C, and out of reach of children.

8. **Service parts list**

- A : Item No.
 B : Code No.
 C : Used
 D : Remarks

CAUTION:

Repair, modification and inspection of Hitachi Power Tools must be carried out by an Hitachi Authorized Service Center.

This Parts List will be helpful if presented with the tool to the Hitachi Authorized Service Center when requesting repair or other maintenance.

In the operation and maintenance of power tools, the safety regulations and standards prescribed in each country must be observed.

MODIFICATIONS:

Hitachi Power Tools are constantly being improved and modified to incorporate the latest technological advancements. Accordingly, some parts (i.e. code numbers and/or design) may be changed without prior notice.

NOTE

Due to HITACHI's continuing program of research and development, the specifications herein are subject to change without prior notice

IMPORTANT

Correct connection of the plug
 The wires of the mains lead are coloured in accordance with the following code:

- Brown : -Live
 Blue : -Neutral

As the colours of the wires in the mains lead of this tool may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire coloured blue must be connected to the terminal marked with the letter N or coloured black. The wire coloured brown must be connected to the terminal marked with the letter L or coloured red. Neither core must be connected to the earth terminal.

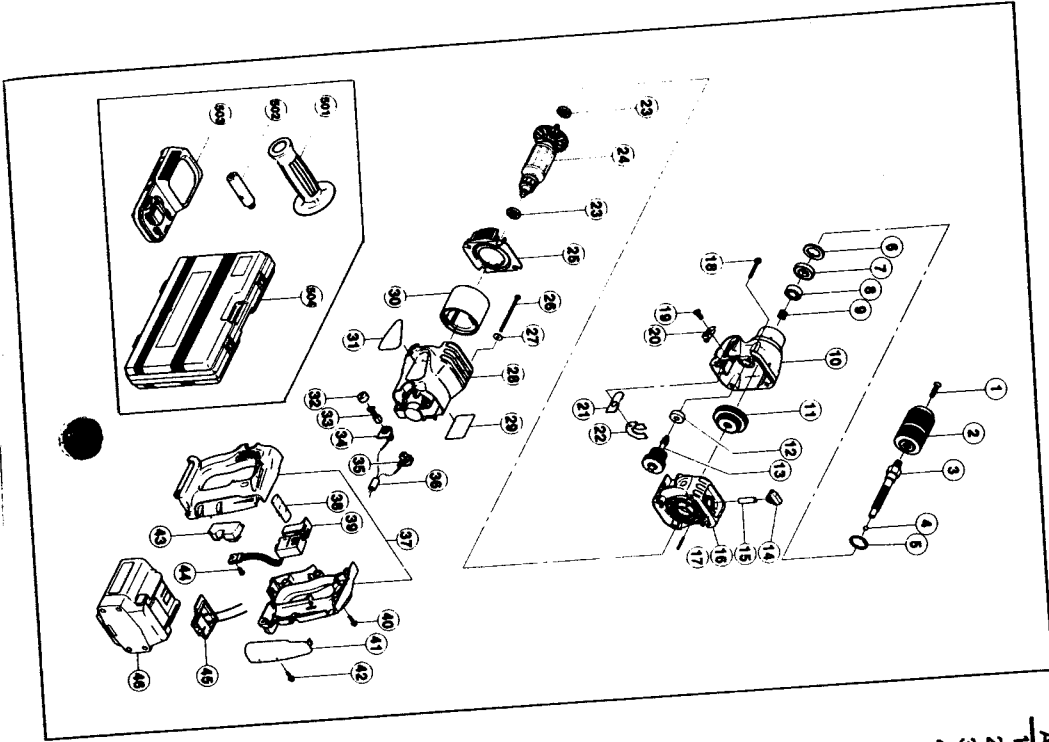
NOTE

This requirement is provided according to BRITISH STANDARD 2769: 1984. Therefore, the letter code and colour code may not be applicable to other markets except United Kingdom.

Information concerning airborne noise and vibration
 The measured values were determined according to EN50144.

The typical A-weighted sound pressure level: 101 dB(A)
 The typical A-weighted sound power level: 114 dB(A)
 Wear ear protection.

The typical weighted root mean square acceleration value: 10 m/s²



A	B	C	D	A	B	C	D	
1	995-344	1	M6x25	27	319-956	2		
2	315-966	1	13V/LRC-N	28	319-808	1		
3	319-792	1		29	-	-	1	
4	959-150	1	D6.35	30	319-789	1		
5	948-001	1		31	-	-	1	
6	319-794	1	6002VCMFSL2L	32	319-791	2		
7	600-2VV	1		33	999-058	2		
8	319-795	1		34	319-813	1		
9	984-101	1		35	319-814	1		
10	319-793	1		36	318-247	1		
11	319-796	1		37	319-809	1		
12	935-522	1		38	319-760	1		
13	319-797	1		39	319-811	1		
14	319-801	1		40	305-490	4	D4x30	
15	319-802	1		41	319-790	1		
16	319-787	1		42	304-035	2	D4x25	
17	316-271	1	D2.5x25.8	43	319-812	1		
18	319-803	4	D5x65	44	993-963	1	M3x12	
19	319-955	1	M4x14	45	319-810	1		
20	319-799	1		46	1	319-805	1	EB2420
21	319-800	1		46	2	319-807	1	EB2430HA
22	319-798	1		501	981-205	1		
23	608-VVM	2	608VWC2PS2L	502	319-791	1		
24	360-553	1	"23"	503	UC24YFB	1		
25	319-788	1		504	319-815	1		
26	960-108	2	D4x60					