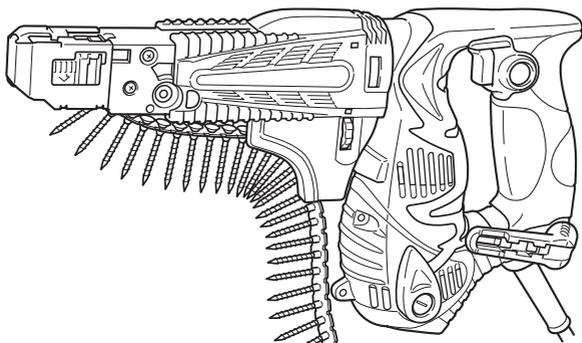


HiKOKI

Automatic Screwdriver Model W 4YD

Handling instructions



Note:

Before using this Electric Power Tool, carefully read through these HANDLING INSTRUCTIONS to ensure efficient, safe operation. It is recommended that these INSTRUCTIONS be kept readily available as an important reference when using this power tool.



GENERAL SAFETY RULES

WARNING!

Read all instructions

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

The term "power tool" in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

SAVE THESE INSTRUCTIONS

1) Work area

- a) **Keep work area clean and well lit.**
Cluttered and dark areas invite accidents.
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.**
Power tools create sparks which may ignite the dust of fumes.
- c) **Keep children and bystanders away while operating a power tool.**
Distractions can cause you to lose control.

2) Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way.**
Do not use any adapter plugs with earthed (grounded) power tools.
Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.**
There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.**
Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.**
Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.**
Use of a cord suitable for outdoor use reduces the risk of electric shock

3) Personal safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.**
A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use safety equipment. Always wear eye protection.**
Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Avoid accidental starting. Ensure the switch is in the off position before plugging in.**
Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.

- d) **Remove any adjusting key or wrench before turning the power tool on.**
A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
 - e) **Do not overreach. Keep proper footing and balance at all times.**
This enables better control of the power tool in unexpected situations.
 - f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.**
Loose clothes, jewellery or long hair can be caught in moving parts.
 - g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.**
Use of these devices can reduce dust related hazards.
- #### 4) Power tool use and care
- a) **Do not force the power tool. Use the correct power tool for your application.**
The correct power tool will do the job better and safer at the rate for which it was designed.
 - b) **Do not use the power tool if the switch does not turn it on and off.**
Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
 - c) **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.**
Such preventive safety measures reduce the risk of starting the power tool accidentally.
 - d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.**
Power tools are dangerous in the hands of untrained users.
 - e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation.**
If damaged, have the power tool repaired before use.
Many accidents are caused by poorly maintained power tools.
 - f) **Keep cutting tools sharp and clean.**
Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
 - g) **Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.**
Use of the power tool for operations different from intended could result in a hazardous situation.
- #### 5) Service
- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.**
This will ensure that the safety of the power tool is maintained.

PRECAUTION

Keep children and infirm persons away.
When not in use, tools should be stored out of reach of children and infirm persons.

PRECAUTIONS ON USING AUTOMATIC SCREWDRIVER

1. This automatic screwdriver is designed for tightening and loosening screws. Use it only for these operation.
2. One-hand operation is extremely dangerous; hold the unit firmly with both hands when operating.
3. Use original bits specifically for the automatic screwdriver.
Use no bits other than the original bits specifically for the automatic screwdriver. Use of any other bit can result in screws sticking out and screw feed malfunctioning.
4. After installing the driver bit, pull lightly out the bit to make sure that it does not come loose. If the bit is not installed properly, it can come loose during use, which can be dangerous.
5. Screw in screws with the main unit held straight. If the driver is slanted relative to the screw, the screw head can be damaged and the bit worn. Moreover, the prescribed torque is not transmitted to the screw, resulting in screws left sticking out.

Place the drive straight against the screw and screw in.

6. Use the prescribed screws.
Do not use any other screws. They can cause abnormal work (screws fallen over or sticking out) and break downs (screw jamming and bit wear).
7. Protect your eyes with protective glasses.
Always wear protective glasses while working. Drilling scatters plaster powder and tape dust, which are dangerous if they get into your eyes
8. Watch out for wires and pipes in walls and ceilings.
When working on floors, walls, or ceilings, check for wires and pipes ahead of time. Work carefully to avoid shocks and explosions.
9. When the screw feed attachment is removed, always use the correct driver bit for the screw size.
10. When the screw feed attachment is removed, if the screwdriver is positioned at an angle against the tightening screw, the head of the screw may be damaged or the fixed tightening force will not transfer to the screw. Always position the tightening screw and the screwdriver at a straight angle and then tighten the screw.

SPECIFICATIONS

Voltage (by areas)*		(230V, 240V) ~
Power input		470 W
No-load speed		4700 / min.
Capacity	Screw size	4 mm
	Screw length	25 – 41 mm
Bit shank size		6.35 mm Hex.
Weight (without cord)		1.7 kg

* Be sure to check the nameplate on product as it is subject to change by areas.

STANDARD ACCESSORIES

- | | |
|---------------------------------|---|
| (1) Screw feed attachment | 1 |
| (Assembled in main body) | |
| (2) No. 2 Plus Bit | 1 |
| (Assembled in main body) | |
| (3) Hook | 1 |
| (4) Sheet | 2 |
| (5) Rubber cover | 1 |
| (6) Plastic case | 1 |
- Standard accessories are subject to change without notice.

APPLICATIONS

- Screw driving into indoor gypsum board.

PRIOR TO OPERATION

1. Power source

Ensure that the power source to be utilized conforms to the power requirements specified on the product nameplate.

2. Power switch

Ensure that the power switch is in the OFF position. If the plug is connected to a receptacle while the power switch is in the ON position, the power tool will start operation immediately, which could cause a serious accident.

3. Extension cord

When the work area is removed from the power source, use an extension cord of sufficient thickness and rated capacity. The extension cord should be kept as short as practicable.

4. Preparing and checking the work environment

Make sure that the work site meets all the conditions laid forth in the precautions.

5. Preparing the screws

Select screws appropriate to the application.

6. Bit checking and replacement

A No. 2 Plus bit is installed on this machine as a standard accessory. Always inspect the bit to make sure it is not damaged. Using worn bits can cause screw-in malfunctions. Inspect the bit before work and quickly replace it with a new one when it starts to wear out. When the bit must be replaced due to bit damage or any other reason, replace it according to the instructions in Bit installation and removal.

ADJUSTING THE SCREW LENGTH AND SCREW-IN DEPTH

1. Set the screw length (Fig. 1)

Set the screw length on this unit by sliding the guide block.

- (1) Slide the guide block while holding down the lever and align the arrow on the guide block with the number on the stopper to match the screw length.
- (2) Find the screw length and screw guide position by checking the table below.

STOPPER NUMBER	SCREW LENGTH
28	25 – 28 mm
32	32 – 35 mm
41	38 – 41 mm

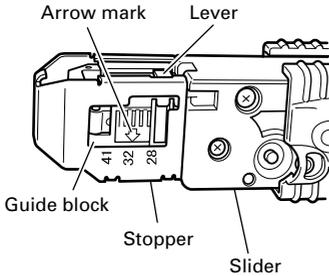


Fig. 1

2. Adjust the screw-in depth (Fig. 2)

Adjust the screw-in depth on this unit by turning the depth adjuster knob.

- (1) Press the slider all the way in to the slider case. Then rotate the depth adjuster knob so that the bit tip protrudes about 5 mm.
- (2) Try driving a screw and make fine adjustments as needed. To make the fine adjustment, rotate towards A (counterclockwise) if the screw head is too high after screw-in. If the screw head is too low after screw-in, then rotate towards B (clockwise).

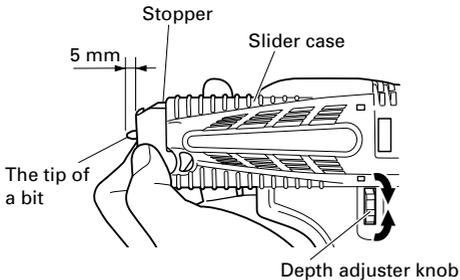


Fig. 2

INSTALLING AND REMOVING THE SCREW STRIP

1. Install (Fig. 3)

- (1) Insert the tip of the linked screw strip into the belt guide groove (A section).

- (2) Insert the tip of the tape into the slider groove (B section) and press inwards in the arrow direction.
- (3) Set so the screw on the strip is just prior (1 screw width) to the screw-in position (Fig. 4, Fig. 5).

CAUTION

- Set the screw strip securely inside. If not set securely, the bit might scratch the board surface (low feed pressure) or the screw might be wasted (too much feed pressure).

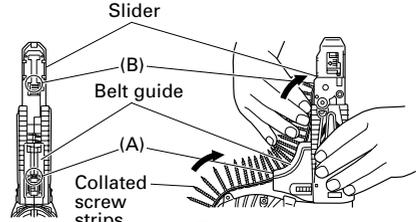


Fig. 3

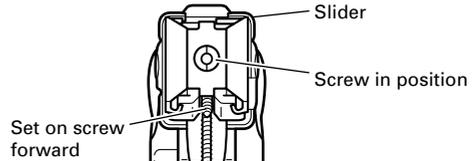


Fig. 4

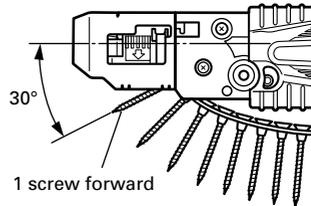


Fig. 5

2. Removal (Fig. 6)

- (1) If you run out of screws on the tape or want to remove a screw strip during a job, pull in the direction of the arrow as shown in the figure to remove.
- (2) You can return the screw strip in the opposite direction by pressing the reverse button.

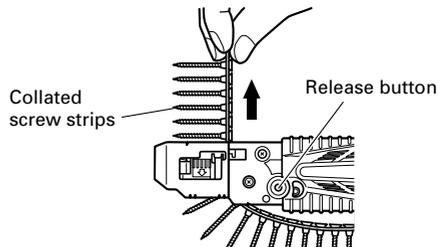


Fig. 6

INSTALLING AND REMOVING THE BIT

CAUTION

- To prevent the chance of an accident, always turn off the power switch and pull out the plug from the socket.

NOTE

- When replacing the bit be sure to install it securely so it will not come loose or fall out later.

1. Removing the screw strip attachment

Grip the unit securely with one hand. With your other hand, rotate the screw strip attachment in the direction of the arrow in **Fig. 7**. Next pull in the direction of the arrow in **Fig. 8** and remove.

NOTE

This will be hard to remove if the lath or plaster powder attaches near the attachment slot. Clean this section carefully to prevent the lath or plaster powder from adhering here.

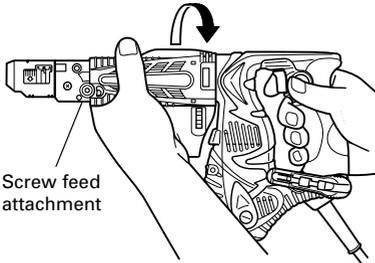


Fig. 7

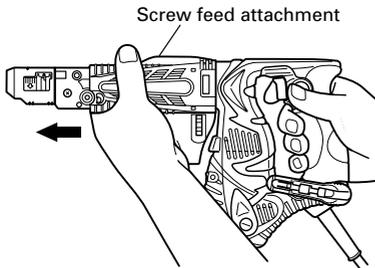


Fig. 8

2. Attaching and removing the bit (Fig. 9)

No bits other than plus driver (Phillips) bits (No. 2, 136 mm long) can be used for screw strip tightening jobs.

Attach the bits securely using the following procedure. Move the guide sleeve to the top edge, feed the bit into hexagonal hole on the anvil and then release the guide sleeve.

To remove, perform the above procedure in reverse order.

NOTE

- The bit was not installed correctly (securely) if the guide sleeve will not return to its original position. Keep inserting the bit inside the hexagonal socket head hole until it makes contact.

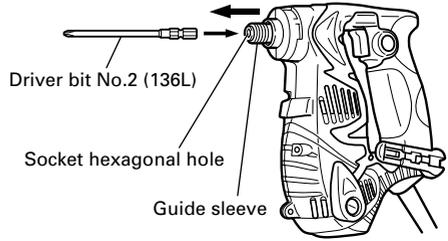


Fig. 9

3. Installing the screw strip attachment

Install using the steps in "1. Removing the screw strip attachment" in reverse order.

HOW TO USE

CAUTION

Always use safety goggles during the work.

1. How to operate

Press the unit straight up against the work and pull the switch trigger to automatically feed and tighten the screws (**Fig. 10**).

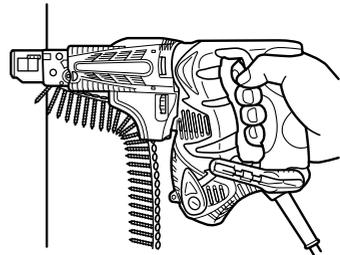


Fig. 10

NOTE

- Place this unit straight up against the work during screw-tightening. Using the unit while at an angle to the work might damage the screw head or cause bit wear. Also the proper tightening torque will not be transmitted to the screw and might cause the screw to seat improperly.
- Press firmly on the unit until the screw tightening is complete. Loosening the pushing pressure on the unit might cause the screw to seat improperly.
- When driving the screw, avoid hitting the unit as pushing in. This could prevent the screw from being sent normally.
- Attempting to tighten one screw on top of another will cause the screw to fall or stop the screw feed so use caution.
- Driving blanks
During continuous screw tightening, you might not notice you have run out of screws and continue to operate the unit. Driving without any screws will cause the bit to damage the lath or plaster board, so do the screw tightening while checking the number of screws remaining.
- If the slider does not move smoothly, try cleaning the sliding surfaces with an air gun, etc.

2. Using in corners (Fig. 11)

Unit can drive screws at positions as close as 15 mm from the wall.

NOTE

- Do not attempt to drive screws when closer to the wall than 15 mm.
- Do not drive screws while the slider case is in contact with the wall. Damaging the screw head causes bit wear. The proper tightening torque is not transmitted to the screw if the screw head or bit is worn. This might also cause the screw not to seat properly and might cause this unit to break.

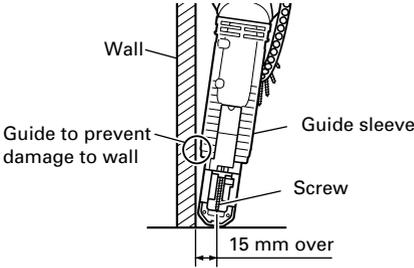


Fig. 11

3. Using the hook

The hook can be installed on the right or left side and the angle can be adjusted in 5 steps between 0° and 80°.

(1) Operating the hook

- (a) Pull out the hook toward you in the direction of arrow (A) and turn in the direction of arrow (B) (Fig. 12).

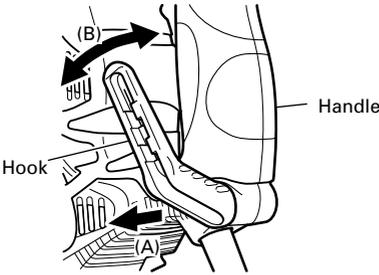


Fig. 12

- (b) The angle can be adjusted in 5 steps (0°, 20°, 40°, 60°, 80°).
Adjust the angle of the hook to the desired position for use.

(2) Switching the hook position

CAUTION

Incomplete installation of the hook may result in bodily injury when used.

- (a) Securely hold the main unit and remove the screw using a slotted head screwdriver or a coin (Fig. 13).

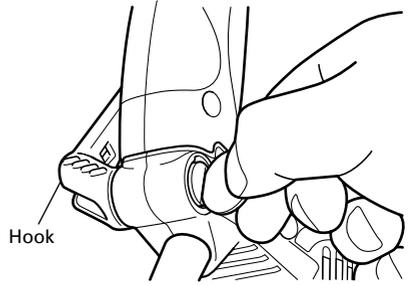


Fig. 13

- (b) Remove the hook and spring (Fig. 14).

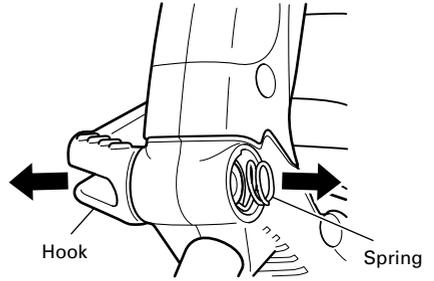
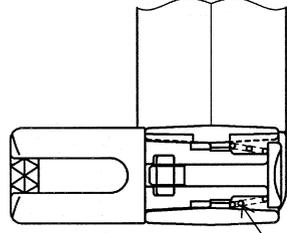


Fig. 14

- (c) Install the hook and spring on the other side and securely fasten with screw (Fig. 15).



Larger diameter faces away

Fig. 15

NOTE

Pay attention to the spring orientation. Install the spring with larger diameter away from you (Fig. 15).

4. Attaching the rubber cover (Fig. 16)

If concerned about wind coming in from the air vents, install the accessory rubber cover over the holes to change the direction of air flow.

To install the cover, press the protrusions firmly into the air vents. To install easily, press inwards, in order from the sides.

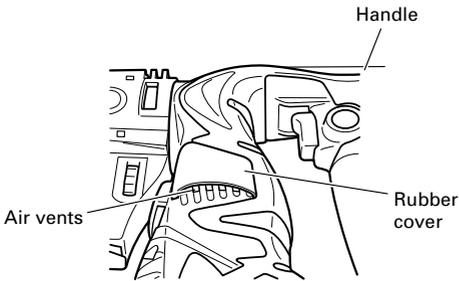


Fig. 16

5. When the slider won't move smoothly

If the slider will not move smoothly, try cleaning the sliding surfaces of the slider and slider case with an air gun, etc. (Fig. 17).

NOTE

- The unit tends to easily become covered with lath or plaster board dust during jobs where it faces upwards. Clean the sliding surfaces at regular periods during the work task.

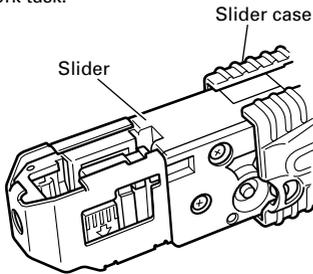


Fig. 17

6. Attaching the sheet

If the sheet has been damaged and cannot be used, please replace the sheet with attached one. Attach the sheet by inserting the holes on the sheet on the two protrusions on the stopper (Fig. 18).

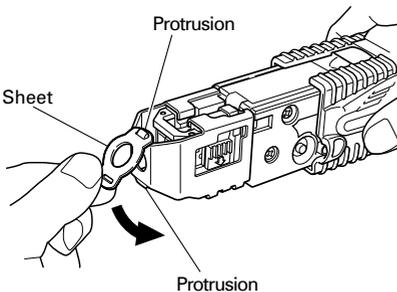


Fig. 18

SCREW HANDLING

NOTE

Handle both the packed box of screws and the collated screw strips with care. If you drop them, screws can

come out of the collated tape and cause screw feed malfunctions. Do not expose the screws to prolonged periods of direct sunlight or outside air. They can cause rust and collated tape problems, so when you will not be using the screws for awhile, put them in the screw packing box or the like.

MAINTENANCE AND INSPECTION

1. Inspecting the driver bit

Using a broken bit or one with a worn out tip is dangerous because the bit can slip. Replace it by a new one.

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 may result in serious hazard.

3. Inspecting the carbon brushes

For your continued safety and electrical shock protection, carbon brush inspection and replacement on this tool should ONLY be performed by a HiKOKI Authorized Service Center.

4. Replacing supply cord

If the supply cord of Tool is damaged, the Tool must be returned to HiKOKI Authorized Service Center for the cord to be replaced.

5. 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.

6. Cleaning of the outside

When the automatic screwdriver 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. Service parts list

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

CAUTION

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

This Parts List will be helpful if presented with the tool to the HiKOKI 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.

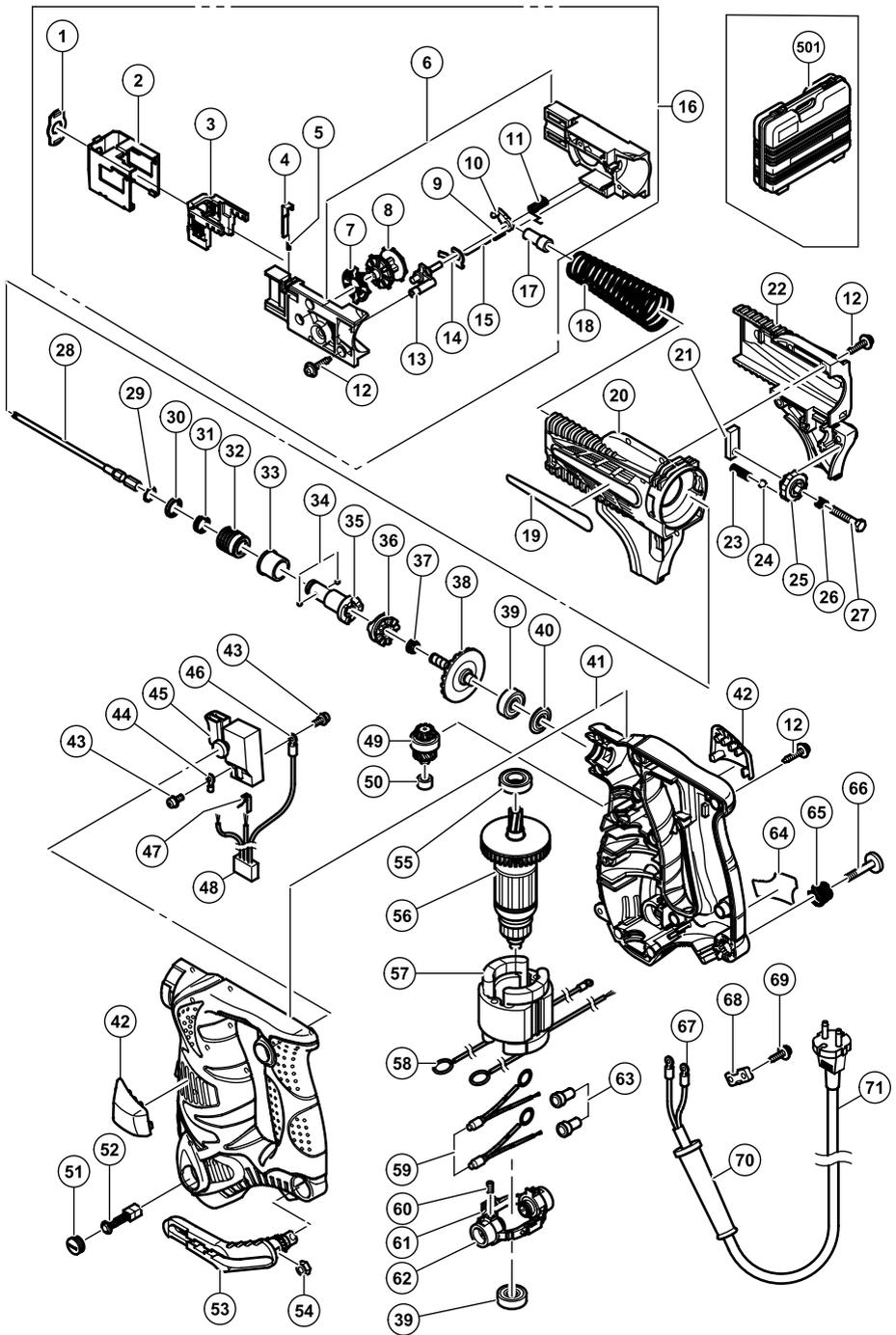
MODIFICATION

HiKOKI 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.

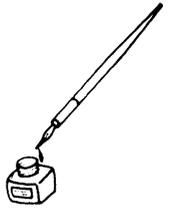
NOTE

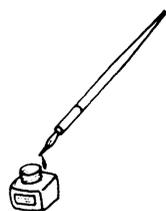
Due to HiKOKI's continuing program of research and development, the specifications herein are subject to change without prior notice.



A	B	C	D
1	324-183	1	
2	324-182	1	
3	324-177	1	
4	324-184	1	
5	324-185	1	
6	_____	1	
7	324-175	1	
8	324-167	1	
9	880-952	1	
10	324-173	1	
11	324-174	1	
12	301-653	17	D4×20
13	324-169	1	
14	324-176	1	
15	885-349	1	D2.5
16	324-164	1	"1-15"
17	324-186	1	
18	324-190	1	
19	_____	1	
20	324-162	1	
21	324-189	1	
22	324-163	1	
23	324-191	1	
24	959-148	1	D3.175
25	324-187	1	
26	312-430	1	
27	324-188	1	M5
28	324-134	1	No.2
29	995-933	1	
30	307-899	1	
31	995-931	1	
32	307-782	1	
33	324-156	1	
34	959-148	2	D3.175
35	324-155	1	
36	307-016	1	
37	306-024	1	
38	324-153	1	
39	608-VVM	2	608VVC2PS2L
40	313-153	1	
41	324-193	1	
42	324-157	1	
43	305-499	4	M3.5×6
44	960-356	1	M3.5
45	324-158	1	
46	930-804	1	M4.0
47	302-488	1	
48	994-273	1	
49	324-151	1	
50	324-150	1	
51	931-266	2	
52	999-021	2	
53	320-511	1	"54"
54	308-387	1	M5
55	690-1VV	1	6901VVCMP2L
56-1	360-707E	1	230V
56-2	360-707F	1	240V
57-1	340-623E	1	230V
57-2	340-623F	1	240V
58	930-630	2	"AUS"
59	324-192	2	

A	B	C	D
60	981-478	2	M4×4
61	320-514	1	"60, 62"
62	957-571	2	
63	959-140	2	
64	_____	1	
65	319-926	1	
66	319-927	1	M5
67	980-063	2	
68	937-631	1	
69	984-750	2	D4×16
70	958-049	1	D8.2
71	_____	1	
501	310-904	1	





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