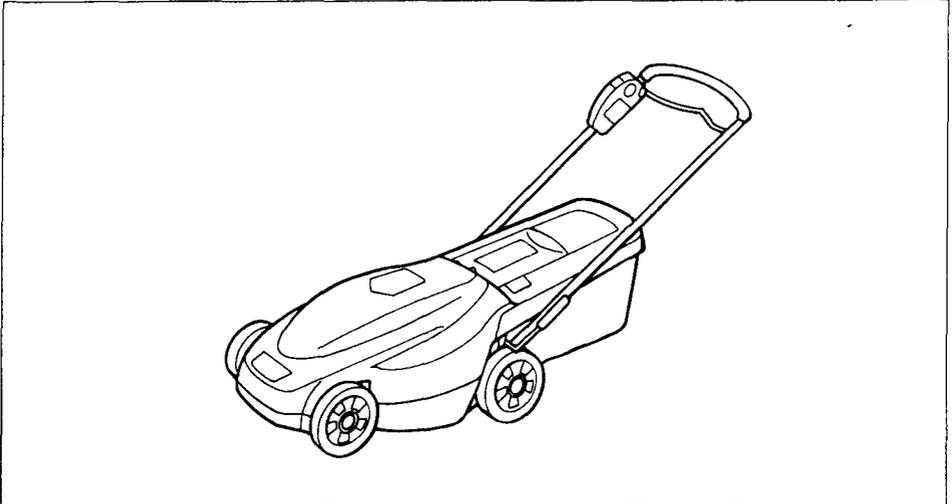


Makita

Cordless Lawn Mower

16'' (406 mm) MODEL UM401DW
Convertible Rear Bag / Mulching With Charger

INSTRUCTION MANUAL



SPECIFICATIONS

• Model UM401D

Effective cutting width	No load Speed (RPM)	Voltage	Dimensions (L x W x H)	Net weight
16'' (406 mm)	3,800	D.C. 24 V	51-3/4'' x 19'' x 39-3/4'' (1,316 mm x 482 mm x 1,010 mm)	70.3 lbs (31.9 kg)

- Batteries used in UM401D
Sealed Lead-acid Battery 12 V -- 15 Ah x 2

• Model DC240 Charger

Input	Output	Charging time
A.C. 120 V 60Hz	D.C. 24 V	Approx. 4 Hrs.

- Manufacturer reserves the right to change specifications without notice.
- Note: Specifications may differ from country to country.



CAUTION

IMPORTANT::

The Lawn Mower Makita Model UM401D employs sealed lead-acid batteries. Be sure to follow the following instructions to charge it.

- 1) Charge the mower immediately after purchase.
- 2) Always recharge the mower after each use without fail.
- 3) Be sure to charge the mower every six months, when not using it for long periods. If left uncharged, it may become unchargeable.

WARNING

- Read the important safety instructions.
- For your personal safety, READ and UNDERSTAND before using.
- Use only the Makita battery.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

IMPORTANT SAFETY INSTRUCTIONS

(For Gardening Appliances)

WARNING: WHEN USING CORDLESS TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY, INCLUDING THE FOLLOWING:

SAVE THESE INSTRUCTIONS.

READ ALL INSTRUCTIONS.

1. **Avoid Dangerous Environment - Don't use appliances in damp or wet locations.**
2. **Don't Use In Rain.**
3. **Keep Children Away - All visitors should be kept at a distance from work area.**
4. **Dress Properly - Do not wear loose clothing or jewelry. They can be caught in moving parts. Use of rubber gloves and substantial footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.**
5. **Use Safety Glasses - Always use face or dust mask if operation is dusty.**
6. **Use Right Appliance - Do not use appliance for any job except that for which it is intended. Use only for grass cutting.**
7. **DO NOT INSERT KEY INTO MOWER UNTIL IT IS READY TO BE USED.**
8. **Avoid Unintentional Starting - Don't carry plugged-in appliance with finger on switch. Be sure switch is off when plugging in.**
9. **Don't grasp the exposed cutting blades or cutting edges when picking up or holding the appliance.**
10. **Don't Force Appliance - It will do the job better and with less likelihood of a risk of injury at the rate for which it was designed.**
11. **Don't Overreach - Keep proper footing and balance at all times.**
12. **Physical Condition - Do not operate mower while under the influence of drugs, alcohol, or any medication.**
13. **Stay Alert - Watch what you are doing. Use common sense. Do not operate appliance when you are tired.**
14. **Store Idle Appliances Indoors - When not in use, appliances should be stored indoors in dry, and high or locked-up place - out of reach of children.**
15. **Maintain Appliance With Care - Keep cutting edge sharp and clean for best performance and to reduce the risk of injury. Follow instructions for lubricating and changing accessories. Inspect charger cord periodically, and if**

damaged, have it repaired by an authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.

16. Remove Adjusting Wrenches. Form habit of checking to see that adjusting wrenches are removed from mower before turning it on.
17. Check Damaged Parts - Before further use of the appliance, 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 condition 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 indicated elsewhere in this manual. When servicing, use only identical replacement parts.
18. Keep guards in place and in working order.
19. Keep hands and feet away from rotating blades. Caution - Blades coast after turn off.
20. Remove key before servicing, cleaning or removing material from the gardening appliance.
21. Use only Makita genuine blades specified in this manual.
22. Check the blades carefully for cracks or damage before operation. Replace cracked or damaged blades immediately.
23. Remove foreign matters such as rocks, wire, bottles, bones and large sticks from the work area before cutting to prevent personal injury or damage to the appliance.
24. When stopping operation or before carrying the tool, always switch it off and wait until the blades come to a complete stop. Carry the tool with the blades in front and away from you.
25. Stop operation immediately if you notice anything abnormal. Switch off the appliance and remove the key from the appliance. Then inspect the appliance.
26. NEVER ATTEMPT TO MAKE WHEEL HEIGHT ADJUSTMENTS WHILE MOWER IS RUNNING.
27. RELEASE SWITCH LEVER AND WAIT FOR BLADE ROTATION TO STOP BEFORE CROSSING DRIVEWAYS, WALKS, ROADS, AND ANY GRAVEL-COVERED AREAS. Also remove key if you leave it, reach to pick-up or move something out of your way, or for any other reason that may distract you from what you are doing.
28. Objects struck by the lawn mower blade can cause severe injuries to persons. The lawn should always be carefully examined and cleared of all objects prior to each mowing.
29. If lawn mower strikes a foreign object, follow these steps:
 - I) Stop lawn mower. Release the switch lever.
 - II) Remove key.

III) Inspect for damage.

IV) Repair any damage before restarting and operating the lawn mower.

30. **CHECK THE REAR BAG FREQUENTLY FOR WEAR OR DETERIORATION.** For storage, always make sure the rear bag is empty. Replace a worn bag with a new factory replacement bag for safety. Order Part No. 1660459
31. Stop the motor and remove key whenever you leave the equipment, before cleaning the mower housing, and before making any repairs or inspections.
32. Mow across the face of slopes, never up and down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes.
33. Do not wash with a hose; avoid getting water in motor and electrical connections.
34. Check the blade mounting bolt at frequent intervals for proper tightness.
35. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
36. Keep blades sharp.

MEETS CPSC SAFETY REQUIREMENTS

Makita mowers conform to the safety standards of the American National Standards Institute, and the U.S. Consumer Product Safety Commission. The Blade turns when the motor is running.

IMPORTANT SAFETY INSTRUCTIONS FOR BATTERIES & CHARGER

1. **SAVE THESE INSTRUCTIONS** — This manual contains important safety and operating instructions for battery charger.
2. Before using battery charger, read all instructions and cautionary markings on (1) battery charger and (2) product using battery.
3. **CAUTION** — To reduce risk of injury, charge **ONLY MAKITA** type rechargeable batteries used in Model UM401D. Other types of batteries may burst causing personal injury and damage.
4. Do not expose 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 rather than cord when disconnecting 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 pins on plug of extension cord are the same number, size, and shape as those of plug on charger;
 - b. That extension cord is properly wired and in good electrical condition; and
 - c. That wire size is at least as large as the one specified in the table below.

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

Length of Cord (Feet)	25	50	100	150
AWG Size of Cord	18	18	18	16

9. Do not operate charger with damaged cord or plug — replace them immediately.
10. Do not operate 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 charger or product which contains battery; 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 outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.

ADDITIONAL SAFETY RULES FOR BATTERIES IN MOWER

1. Use **ONLY** the Makita charger Model DC240 specified to charge the Makita model UM401D.
2. Do not short the battery:
 - 1) Do not touch the charging inlet with any conductive material.
 - 2) Shut the cover on the charging inlet when not charging.
 - 3) Do not expose mower to water or rain.

A battery short can cause a large current flow, overheating, possible burns and even a breakdown.
3. Do not leave mower exposed to direct sunlight. Do not store mower in locations where the temperature may reach or exceed 40° C (104° F).
4. Batteries in Makita Model UM401D contains a strong electrolyte (dilute sulfuric acid). Do not apply undue force to the batteries, drop or strike them. Do not attempt to disassemble or make modifications to the batteries.
5. If the batteries break open and electrolyte (dilute sulfuric acid) contacts skin or clothing, wash immediately with running water. If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away.
6. As Service life of the batteries ends, their capacity and operation time decrease. Contact your nearest Makita Service Center or Distributor to replace them with new batteries.
7. When replacing batteries, all batteries should be replaced at the same time. Mixing fresh and discharged batteries could increase internal cell pressure and rupture the discharged battery.
8. When inserting batteries into this product, the proper polarity or direction must be observed. Reverse direction of batteries can result in leakage or explosion.
9. Never expose mower or batteries to flames, fire or great heat. Breakage may cause release of injurious material.

TIPS FOR MAINTAINING MAXIMUM RUN PERFORMANCE AND BATTERY LIFE

1. Charge the mower immediately after purchase.
2. Always recharge the mower after each use without fail.
3. We recommend that you leave the charger connected to the mower even after the charging cycle is complete. The charger will switch into its "maintenance charge (trickle charge)" mode and keep the battery fresh and fully charged.
4. Be sure to charge the mower every six months, when not using it for long periods. If left uncharged., it may become unchargeable.

ADDITIONAL SAFETY RULES FOR CHARGER

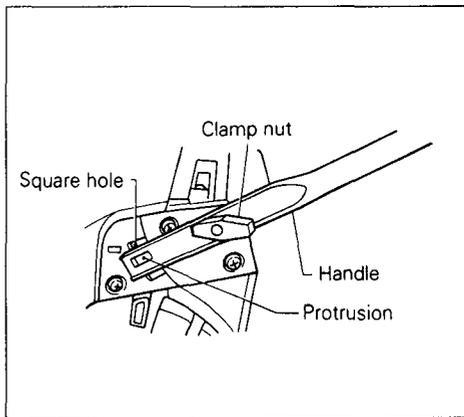
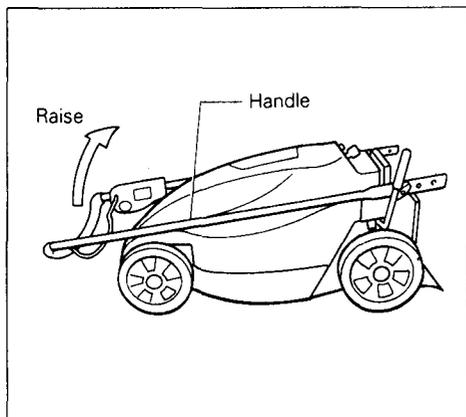
1. The Makita charger Model DC240 is specifically designed to charge only the Makita batteries used in Model UM401D. Do not attempt to charge any other battery with this charger.
2. Handle the charger carefully. Do not drop or strike it.
3. Never carry the charger by cord or yank it to disconnect from receptacle.
4. Keep cord from heat, oil, chemicals, and sharp edges.
5. Use only a power source of the same voltage as indicated on the nameplate of the charger when charging.
6. Do not attempt to use a step-up transformer, an engine generator, a DC-AC inverter or DC power receptacle.
7. Charge mower at a room temperature between 5° C (41° F) and 40° C (104° F).
8. Do not charge in place exposed to direct sunlight.
9. Do not charge lawn mower in rain, or in wet locations.
10. Do not allow the charger to get wet.
11. Do not charge inside a box or container of any kind.
12. Do not charge near volatile, flammable material such as gasoline, paint, gas, adhesive, etc.
13. Do not charge on top of paper, carpet, vinyl sheeting, cloth materials, etc.
14. Do not allow anything to cover or clog the charger vents. Do not attempt to insert anything into the vents.
15. Do not touch the charger with wet hands.
16. Do not charge in dusty place.
17. Stop charging immediately if you notice anything abnormal. Ship or take the charger and the mower to your nearest Makita Service Center or Distributor for checking them.
18. Do not attempt to disassemble or make modifications to the charger.
19. Do not put any metal object or foreign matter into the charging plug. Short-circuit will occur, causing a burn injury and charger breakdown.
20. This charger incorporates parts such as switches and relays that are likely to produce arcs or sparks; therefore, when charging mower in a garage or similar location, locate the charger in a room or enclosure provided for this purpose.

SAVE THESE INSTRUCTIONS.

Unpacking

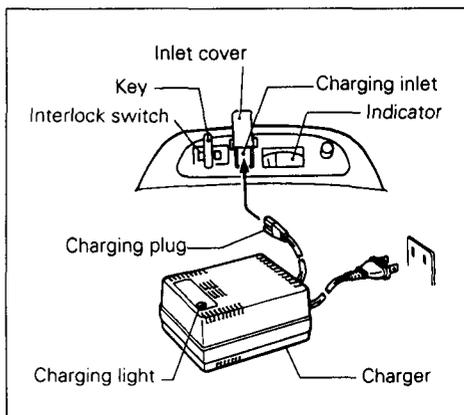
Your mower has been completely assembled at the factory except for the rear bag.

1. Remove the rear bag, instruction manual, charger and plastic bag containing accessories from the carton.
2. Remove the mower from the carton and place all four wheels on the ground or floor.
3. Check the carton thoroughly and make sure there are no loose parts.
4. To unfold the handle, raise it into place. Fit the protrusion of the handle into one of the square holes in left and right sides of the mower, and then secure the handle by tightening the clamp nuts.



Charging

- Remove the key from the mower (slide it to your left and pull out) and store it in a safe place – out of the reach of children.
- Open the inlet cover and insert the charging plug into the inlet. (REMEMBER: The charging inlet has polarity. DO NOT DAMAGE OR ABUSE THE PLUG AND INLET.)
- Then plug the charger into the power source. The charging light will turn on in green color, and immediately the color of the charging light will change to red and charging will begin. The charging light will remain lit steadily during charging.
- When the charging light color changes from red to green, the charging is complete. Charging takes approx. 4 hours.
- After charging, unplug the charger from the power source and pull out the charging plug from the charging inlet.



NOTE:

- If the charging light flashes in green color, the charging plug may not be inserted into the charging inlet correctly. Check the charging plug and charging inlet.
- If the charging light flashes in red color, the batteries are too weak for normal charging. Wait for a while until normal charging starts after recovery charging is finished.
- If the mower has not been used for long periods, it will take more than specified time to charge the mower.
- If the mower is left uncharged for more than six months, it may become unchargeable.
- The indicator does not indicate progress during charge cycle.

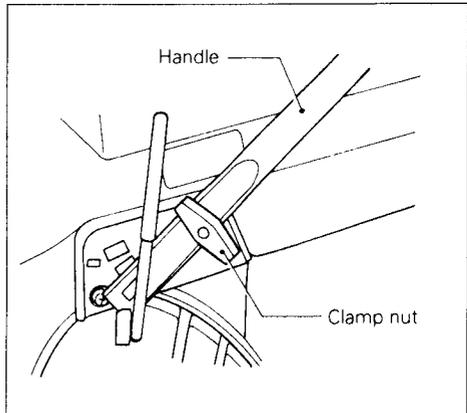
CAUTION:

Any of the following conditions indicates damages to the charger and/or batteries. Unplug the charger from power source and disconnect the charging plug immediately. Have them checked by your nearest Makita Authorized or Factory Service Center.

- 1) The charging light remains flashing in green color (does not change to red), although the charging plug is correctly inserted into the charging inlet.
- 2) The charging light color does not change to green in more than 5 hours after you start charging.
- 3) The charging light does not light up or flash in any colors while power is supplied.
- 4) The charging light flashes alternately in green and red color. (Probably the batteries are worn out or damaged.)

Handle adjustment

1. Turn off the interlock switch and remove the key. If you are recharging the mower, stop recharging and disconnect the charging plug.
2. Loosen the clamp nuts on the left and right sides.
3. Fit the protrusion of the handle into one of the three square holes according to your preference.
4. Tighten the clamp nuts firmly to secure the handle.

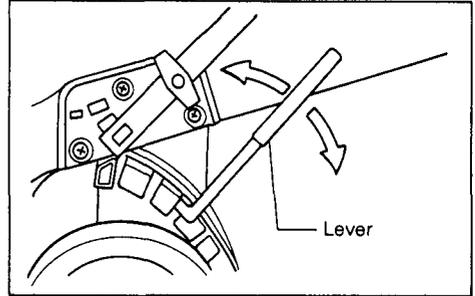


CAUTION:

Always tighten the clamp nut on the left and right sides. Failure to do so may cause the handle to come loose unexpectedly during operation, resulting in serious injury to operator.

Wheel height adjustment (six steps between 1" and 3-1/2" or 25 mm and 89 mm).

1. Turn off the interlock switch and remove the key. If you are recharging the mower, stop recharging and disconnect the charging plug.
2. Push the lever outward and fit it into one of the grooves for your desired cutting height. This one touch wheel height adjustment system can adjust all four wheels at the same time.



CAUTION:

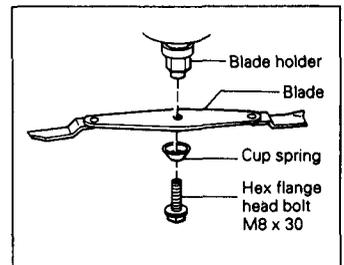
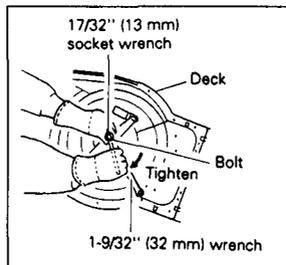
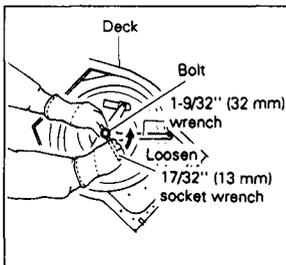
Always make sure that the lever is fit in the groove properly before operation.

Installing or removing blade

WARNING:

- Always turn off the interlock switch and remove the key before installing or removing the blade. If you are recharging the mower, stop recharging and disconnect the charging plug
- The blade coasts for several seconds after the switch is turned off. Always remove the blade after it has come to a complete stop.

1. Wear gloves.
2. Turn the mower on its side to expose the blade.
3. Hold the blade holder with 32 mm wrench so that the other end of 32 mm wrench will contact the underside of mower deck. Hold the hex bolt with 13 mm socket wrench and turn it lightly counterclockwise until the 32 mm wrench is firmly held by the underside of mower deck.
4. To loosen the hex bolt, turn the 13 mm socket wrench counterclockwise while holding down its top.
5. Remove the hex bolt, cup spring and blade. Be sure to remember the removal procedures.
6. To install the blade, follow the removal procedures in reverse. Be careful not to install it upside down. When installing the blade, always make sure that the end of blade holder fits in the cup spring.
7. Tighten the hex bolt firmly with the wrenches provided. To tighten it, turn the 13 mm socket wrench clockwise while holding down its top. When doing so, the 32 mm wrench should be firmly held by the underside of mower deck.



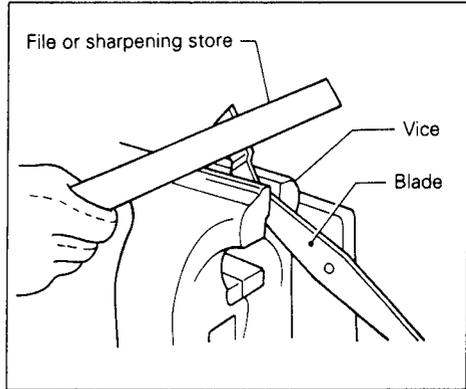
WARNING:

Replace bent or damaged blade immediately. A bent or damaged blade may cause excessive vibration, resulting in damage to the mower or serious injury to operator.

Blade sharpening

Keep the blade sharp and clean for best performance. A dull blade does not cut grass cleanly and evenly. It may overload the motor and waste more battery energy.

1. Turn off the interlock switch and remove the key. If you are recharging the mower, stop recharging and disconnect the charging plug.
2. Remove the blade as described in "Installing or removing blade".
3. Secure the blade in a vice or the like.
4. Carefully sharpen the cutting edges of the blade with a file or sharpening stone.
5. Check the balance of the blade as described in "Blade balancing".
6. Install the blade and secure it by tightening the bolt with the wrenches provided.



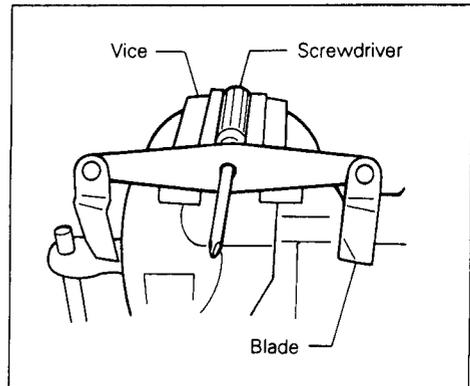
CAUTION:

- Wear gloves and safety glasses during sharpening.
- Make sure the blade remains balanced.
- Sharpen the blade at the original cutting angle.
- Sharpen the cutting edges on both end of blade, removing equal amounts of material from both ends.

Blade balancing

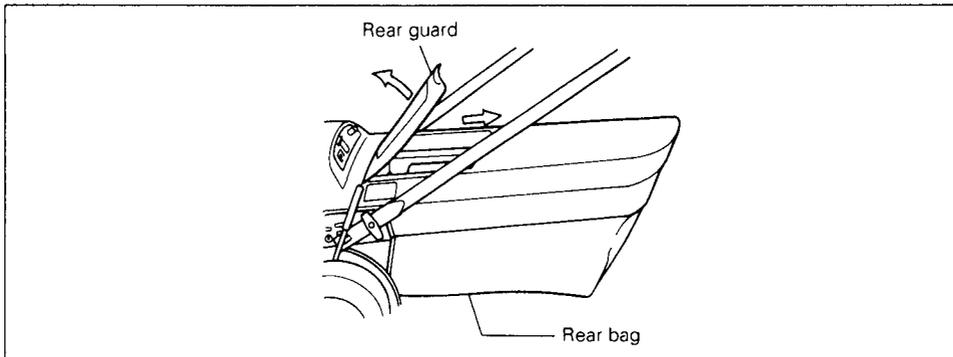
When sharpening the blade, care should be taken to keep it balanced. An unbalance blade may cause excessive vibration, resulting in damage to the mower.

1. Secure a screwdriver horizontally in a vice.
2. Place the center hole in the blade on screwdriver shank.
3. If the blade is balanced, it will remain in a horizontal position.
4. If either of the blade drops downward, sharpen the heavy side until the blade is balanced.



Emptying rear bag

1. Release the switch lever.
2. Turn off the interlock switch and remove the key.
3. Open the rear guard.
4. Hold the rear bag handle and remove the rear bag from the mower.
5. Empty the grass from the rear bag.



WARNING:

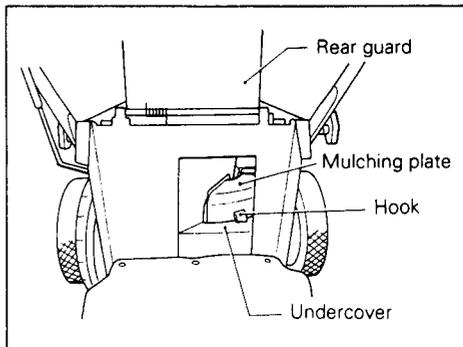
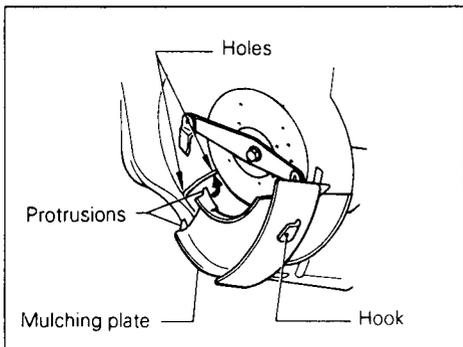
To reduce risk of injury, inspect rear bag frequently and replace with recommended replacement if there are signs for wear or deterioration.

Installing mulching plate

1. Turn off the interlock switch and remove the key. If you are recharging the mower, stop recharging and disconnect the charging plug.
2. Turn the mower on its side to expose the blade.
3. Install the two protrusions of the mulching plate into the holes in the deck. Push the mulching plate into the discharge opening until the hook of the mulching plate is held by the undercover. Open the rear guard and make sure that the hook of the mulching plate is properly held by the undercover.

WARNING:

Always install the mulching plate when operating the mower with the rear bag removed.



Mulching

While mulching, your new mower is designed to cut the grass clippings into small pieces and distribute them back into the lawn. Under normal conditions, the mulched grass will biodegrade quickly to provide nutrients to the lawn.

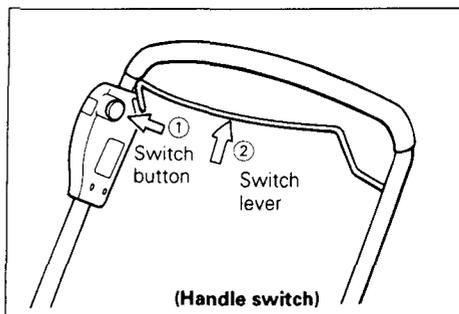
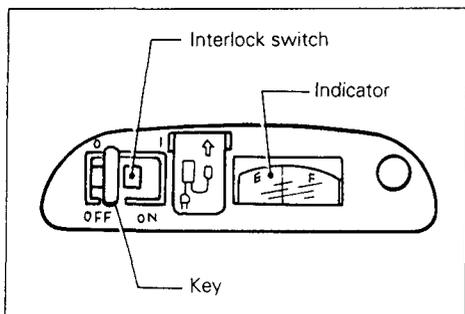
Please review the following recommendations for optimum mulching performance.

1. Avoid mowing when the grass is wet from rain or dew. Wet grass may form clumps which interfere with the mulching action and reduce run-time. The best time to mow grass is in the late afternoon when the grass is dry and the newly cut area will not be exposed to direct sunlight.
2. For best mulching performance, set the cutting height to remove about one third of the grass blade length, ideally no more than 1-1/2" at one time. If the lawn is overgrown, it may be necessary to increase the cut height to reduce the pushing effort and prevent overloading the motor. For extremely heavy mulching, it is advisable to first cut at a high cut height setting, and then re-cut to the final cut height. Otherwise, make narrower cuts and mow slowly.
3. For best performance, keep the mower housing free of built-up grass. From time to time turn off mower and wait for the blade to come to a complete stop. Then unplug the key and turn mower on its side. Using an object such as a stick, wipe out any accumulation of grass in the blade area. Be careful of the sharp edges of the blade. Clean often in wet, spring grass, and always after every use.
4. Certain types of grass or grass conditions may require that an area be mulched a second time to fully disperse the grass throughout the lawn. If cutting a second time, it is advisable to cut perpendicular (across) the first cut pattern. **DO NOT CHANGE CUT PATTERN IN ANY WAY THAT WOULD CAUSE MOWING DOWN A HILL.**
5. Change your cutting pattern from week to week. This will help prevent matting and graining of the lawn.

Switch action

This mower is equipped with the interlock switch and handle switch. If you notice anything abnormal with either of these switches, stop operation immediately and have them checked by your nearest Makita Authorized or Factory Service Center.

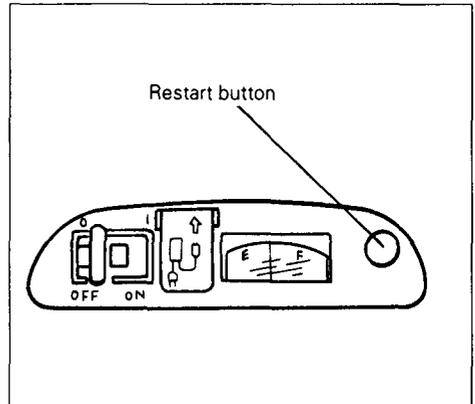
1. Insert the key into the interlock switch.
2. Slide the key to turn on the interlock switch.
3. Depress the switch button.



4. Pull the switch lever toward you while depressing the switch button.
5. Release the switch button as soon as the motor starts running. The mower will continue to run until you release the switch lever.
6. The indicator indicates remaining capacity of the battery only when the motor is running.
7. Release the switch lever to stop the motor.
8. When not in use, turn off the interlock switch and remove the key. Store the key in a safe place out of reach of children.

Overload protector

This mower is equipped with an overload protector which automatically cuts out to break the circuit whenever heavy work is prolonged. When it cuts out, turn off the interlock switch and remove the key. Inspect the blade for damage or something wrong. After making sure that there is nothing wrong with the mower, push the restart button to resume operation.



Run time

Actual run time for your mower will vary depending on the season and grass conditions. Average run time on a full charge is 75 minutes. The following chart provides approximate run times when using mower with a partial charge.

Time on charge	% of full charge	Run time
1 Hour	25 %	20 Minutes
3 Hours	75 %	55 Minutes
4 Hours	FULL	75 Minutes

Maintenance & Storage

1. REMOVE KEY. Store it in a safe place out of the reach of children.
2. Clean your mower using only mild soap and a damp cloth. Do not spray or pour water on your mower when cleaning.
3. Turn mower on its side and clean grass clippings that have accumulated on the underside of mower deck.
4. Check all nuts, bolts, knobs, screws, fasteners, etc. for tightness.
5. Inspect moving parts for damage, breakage, and wear. Have repairs made on any damaged or missing parts.
6. Recharge the batteries to a full charge. Do not store mower with discharged batteries. Battery failure will occur in a very short time if mower is stored without having a full charge. We recommend that you charge batteries continuously while in storage and during the off season.
7. Store mower indoors in a cool, dry place. Don't store the mower and charger in locations where the temperature may reach or exceed 40°C (104°F).

CAUTION:

Always be sure that charger is unplugged and disconnect DC output plug from the mower before attempting to perform inspection or maintenance.

To maintain product SAFETY and RELIABILITY, repairs, maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

Recycling the batteries

Caution:

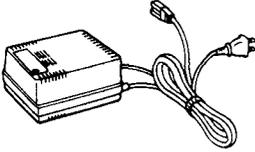
The product you have purchased contains a rechargeable battery. The battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

ACCESSORIES

CAUTION:

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

- **Charger**
Model DC240



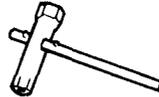
- **Swing arm blade**
Part No. 729011-5



- **Mulching plate**
Part No. 416211-1



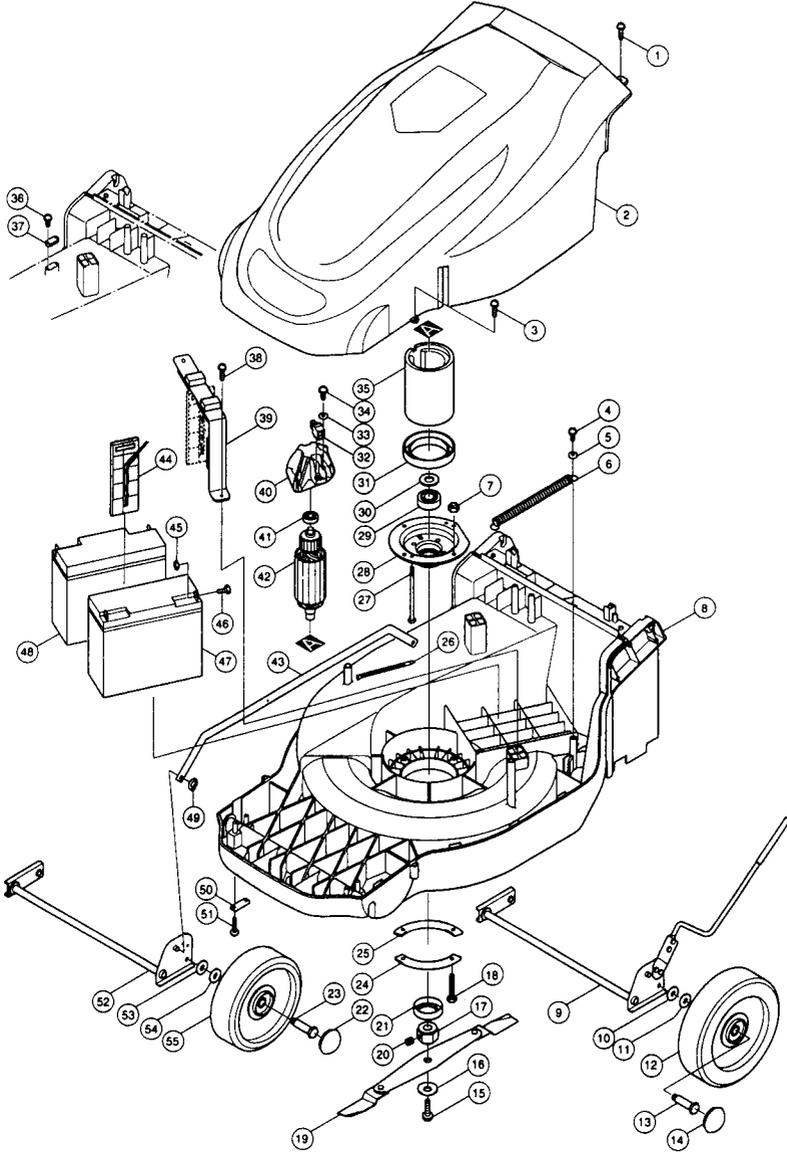
- **Socket wrench 13**
Part No. 782226-3

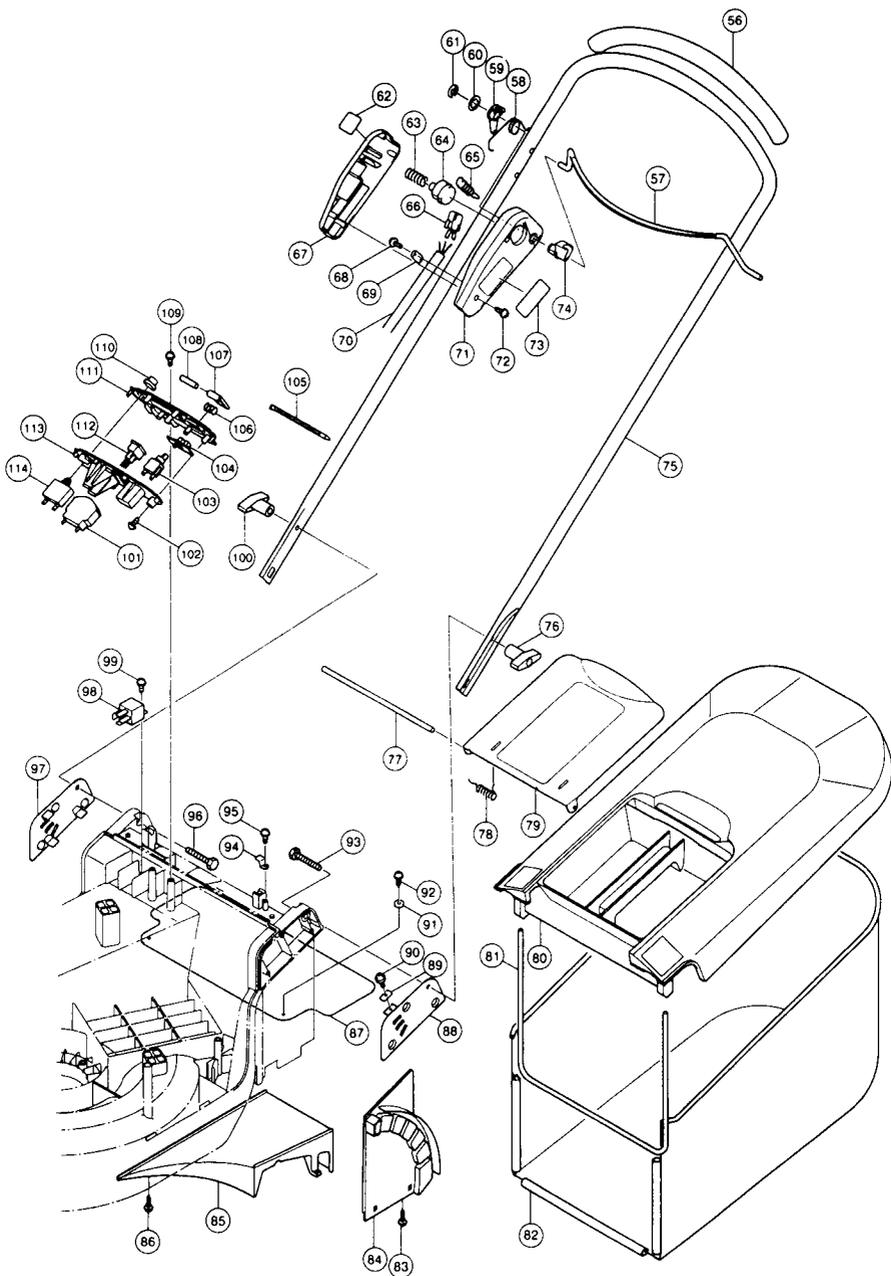


- **Wrench 32**
Part No. 781028-4



16" (406 mm) CORDLESS LAWN MOWER Model UM401DW





Note: The switch and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
MACHINE			MACHINE		
1	2	Tapping Screw 4x18	58	1	Torsion Spring 20
2	1	Cowling Complete	59	1	Lever
3	2	Tapping Screw Flange 4x25	60	1	Thin Washer 15
4	1	Tapping Screw 4x18	61	1	Stop Ring E-12
5	1	Flat Washer 4	62	1	Insulation Label
6	1	Tension Spring 12	63	1	Compression Spring 16
7	4	Hex. Lock Nut M6-10	64	1	Switch Button
8	1	Deck	65	1	Tension Spring 5
9	1	Rear Shaft	66	1	Switch
10	2	Flat Washer 10	67	1	Switch Box Cover
11	2	Flat Washer 10	68	2	Tapping Screw 4x18
12	2	8" Wheel	69	1	Strain Relief
13	2	Bolt 3/8-16UNC	70	1	Cord Unit
14	2	Wheel Cap	71	1	Switch Box
15	1	Hex. Flange Head Bolt M8x30	72	4	Tapping Screw 4x18
16	1	Coned Disc Spring 14	73	1	Name Plate
17	1	Blade Holder	74	1	Switch Lever Arm
18	4	Hex. Bolt M6x40	75	1	Handle
19	1	Swing Arm Blade 406	76	1	Wing Nut M8
20	1	Hex. Socket Head Screw M8x8	77	1	Rear Guard Shaft
21	1	Dust Cover	78	2	Torsion Spring 8
22	2	Wheel Cap	79	1	Rear Guard Complete
23	2	Bolt 3/8-16UNC	80	1	Rear Bag Cover Complete
24	1	Fix Plate	81	1	Rear Bag Rod
25	1	Fix Plate	82	1	Rear Bag
26	1	Band	83	2	Tapping Screw 4x18
27	2	Hex. Bolt M515	84	1	Height Adjuster Complete
28	1	Bearing Box	85	1	Under Cover
29	1	Ball Bearing 6203LLB	86	3	Tapping Screw 4x18
30	1	Flat Washer 17	87	1	Under Guard
31	1	Plate	88	1	Handle Holder L
32	2	Carbon Brush	89	6	Holder Plate
33	2	Flat Washer 4	90	6	Pan Head Screw M4x12
34	2	Tapping Screw Flange PT 4x12	91	3	Flat Washer 4
35	1	Yoke Unit	92	3	Tapping Screw 4x18
36	2	Tapping Screw 4x18	93	1	Hex. Bolt M8x50
37	1	Strain Relief	94	2	Shaft Holder
38	2	Tapping Screw Flange PT 5x25	95	2	Tapping Screw 4x18
39	1	Battery Holder Complete	96	1	Hex. Bolt M8x50
40	1	End Bell	97	1	Handle Holder R
41	1	Ball Bearing 6000LLB	98	1	Relay
42	1	MOTOR ASSEMBLY (With Item 27 - 35, 40 & 41)	99	1	Tapping Screw 4x18
43	1	Connecting Rod	100	1	Wing Nut M8
44	1	Thermal Cut Off Complete	101	1	Indicator
45	4	Hex. Nut M5	102	2	Tapping Screw Flange PT 4x12
46	4	Hex. Bolt M5x12	103	1	Switch
47	1	Battery Complete	104	1	Switch Plate
48	1	Battery Complete	105	1	Band
49	2	Retaining Ring S-8	106	1	Torsion Spring 4
50	4	Plate	107	1	Inlet Cover
51	8	Tapping Screw 4x18	108	1	Spring Pin 3-28
52	1	Front Shaft	109	2	Tapping Screw Flange PT 5x25
53	2	Flat Washer 10	110	1	Cap
54	2	Flat Washer 10	111	1	Control Panel Set (With Item 113)
55	2	7" Wheel	112	1	Inlet
56	1	Handle Cushion	113	1	Control Panel Set (With Item 111)
57	1	Switch Lever	114	1	Current Relay

Note: The switch and other part specifications may differ from country to country.

MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

Makita Corporation of America

2650 Buford Hwy., Buford, GA 30518