Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference. 19k

ATLAS™ BRUSHLESS 21" MOWER 80V LITHIUM



56992
Self-Propelled



56998
Push

Battery and charger sold separately

Visit our website at: http://www.harborfreight.com
Email our technical support at: productsupport@harborfreight.com

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools.
Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠WARNING

Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.

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SAFETY

SETUP

OPERATION

MAINTENANCE

WARNING SYMBOLS AND DEFINITIONS	
⚠	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
⚠ DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠ WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE CAUTION	Addresses practices not related to personal injury.

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING

When using electric lawn mowers, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

READ ALL INSTRUCTIONS

1. Avoid Dangerous Environment – Don't use lawn mowers in damp or wet locations.
2. Don't Use In Rain.
3. Keep Children Away – All visitors should be kept a safe 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 footwear is recommended when working outdoors.
5. Use Safety Glasses – Always use face or dust mask if operation is dusty.
6. Use Right Appliance – Do not use lawn mower for any job except that for which it is intended.
7. Don't Force Lawn Mower – It will do the job better and safer at the rate for which it was designed.
8. Don't Overreach – Keep proper footing and balance at all times.
9. Stay Alert – Watch what you are doing. Use common sense. Do not operate lawn mower when you are tired.
10. Store Idle Lawn Mower Indoors – When not in use, lawn mower should be stored in an indoor dry and locked-up place – out of reach of children.

11. Maintain Lawn Mower With Care – Keep cutting edges sharp and clean for best and safest performance.
    Follow instructions for lubricating and changing accessories.
    Keep handles dry, clean, and free from oil and grease.
12. Keep guards in place and in working order.
13. Keep blades sharp.
14. Keep hands and feet away from cutting area.
15. 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.
16. If lawn mower strikes a foreign object, follow these steps:
    a. Stop lawn mower. Release the bail bar.
    b. Inspect for damage.
    c. Repair any damage before restarting and operating the lawn mower.
17. Use identical replacement blades only.
18. Under normal usage, the grass catcher assembly is subject to deterioration and wear and should, therefore, be frequently checked for replacement. Any replacement assembly should be checked for compliance with original manufacturer's recommendations or specifications.
19. Only use accessories and attachments that have been found to be acceptable for use with the lawn mower. Use of any other accessory or attachments might increase the risk of injury.

Battery Precautions

1. Do not charge appliance in rain, or in wet locations.
2. Do not use battery-operated appliance in rain.
3. Remove or disconnect battery before servicing, cleaning, or removing material from the lawn mower.
4. Only use identical replacement batteries.
5. Use only the following type and size battery: Atlas Li-ion 40V/80V.
6. Do not dispose of the battery in a fire. The cell may explode. Check with local codes for possible disposal instructions.
7. Do not open or mutilate the battery. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
8. Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.

Lithium Battery Safety Warnings



LITHIUM BATTERIES STORE A LARGE AMOUNT OF ENERGY AND WILL VENT FIRE OR EXPLODE IF MISTREATED:

1. **Keep Battery Pack dry.**
2. **DO NOT DO ANY OF THE FOLLOWING TO THE BATTERY PACK:**
   a. **Open,**
   b. **Drop,**
   c. **Short-circuit,**
   d. **Puncture,**
   e. **Incinerate, or**
   f. **Expose to temperatures greater than 265°F.**
3. Charge Battery Pack only according to its Charger's instructions.
4. Inspect Battery Pack before every use; do not use or charge if damaged.

Personal Safety

1. 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.
2.  Wear ANSI-approved safety goggles and heavy-duty work gloves. Use face or dust mask if operation is dusty.
3. Do not Overreach - Keep proper footing and balance at all times.
4. Stay Alert - Watch what you are doing. Use common sense. Do not operate appliance when you are tired.

Vibration Hazard

This appliance vibrates during use.
Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders.
To reduce the risk of vibration-related injury:

1. Anyone using vibrating appliances regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this appliance. If you feel any symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Wear suitable gloves to reduce the vibration effects on the user.
4. Use appliances with the lowest vibration when there is a choice between different processes.
5. Include vibration-free periods each day of work.
6. Grip appliance as lightly as possible (while still keeping safe control of it). Let the appliance do the work.
7. To reduce vibration, maintain the appliance as explained in this manual. If any abnormal vibration occurs, stop use immediately.

IMPORTANT

Safe Practices for Pedestrian-controlled Mowers

This cutting machine is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

I. GENERAL OPERATION

2. Read, understand, and follow all instructions on the machine and in the manual(s) before starting.
3. Do not put hands or feet near or under the machine. Keep clear of the discharge opening at all times.
4. Only allow responsible adults who are familiar with the instructions to operate this machine.
5. Clear the area of objects such as rocks, wire, toys, etc., which could be thrown by the blade. Stay behind the handle when the lawn mower is running.
6. Be sure the area is clear of bystanders before operating. Stop machine if anyone enters the area.
7. Do not operate machine barefooted or while wearing sandals. Always wear substantial footwear.
8. Do not pull machine backward unless absolutely necessary. Always look down and behind before and while moving backward.
9. Never direct discharged material toward anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator. Stop the blade when crossing gravel surfaces.
10. Do not operate machine without the entire grass catcher, discharge guard, rear guard, or other safety protective devices in place and working.
11. Never leave a running machine unattended.
12. Stop the lawn mower and wait until the blade comes to a complete stop before cleaning the machine, removing grass catcher, or unclogging the discharge guard.

13. Operate machine only in daylight or good artificial light.
14. Do not operate machine while under the influence of alcohol or drugs.
15. Never operate lawn mower in wet grass. Always be sure of your footing; walk, never run.
16. If the machine should start to vibrate abnormally, stop the machine and check for the cause immediately. Vibration is generally a warning of trouble.
17. Always wear eye protection when operating machine.
18. See manufacturer's instructions for proper operation and installation of accessories. Only use accessories approved by the manufacturer.
19. The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.
20. Maintain labels and nameplates on the appliance. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

II. SLOPE OPERATION

Slopes are a major factor related to slip and fall accidents, which can result in severe injury. Operation on all slopes requires extra caution. If you feel uneasy on a slope, do not mow it.

1. Mow across the face of slopes; never up and down. Exercise extreme caution when changing direction on slopes.
2. Watch for holes, ruts, bumps, rocks, or other hidden objects. Uneven terrain could cause a slip and fall accident. Tall grass can hide obstacles.
3. Do not mow on wet grass or excessively steep slopes. Poor footing could cause a slip and fall accident.
4. Do not mow near drop offs, ditches, or embankments. You could lose your footing or balance.

III. CHILDREN

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. Never assume that children will remain where you last saw them.

1. Keep children out of the mowing area and under the watchful care of a responsible adult other than the operator.
2. Be alert and turn mower off if a child enters the area.
3. Never allow children to operate the machine.
4. Use extra care when approaching blind corners, shrubs, trees, or other objects that may block your view of a child.

IV. SERVICE

1. Keep all nuts and bolts tight to be sure the equipment is in safe working condition.
2. Never remove or tamper with safety devices. Check their proper operation regularly. Never do anything to interfere with the intended function of a safety device or to reduce the protection provided by a safety device.
3. Keep machine free of grass, leaves, or other debris build up. Allow machine to cool before storing.
4. If you strike a foreign object, stop and inspect the machine. Repair, if necessary, before starting.
5. Check grass catcher components and the discharge guard frequently and replace with manufacturer's recommended parts, when necessary.
6. Mower blades are sharp. Wrap the blade or wear gloves, and use extra caution when servicing them.



SAVE THESE INSTRUCTIONS.

Grounding

⚠WARNING



TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING:
Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the charger. Do not use the charger if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

Extension Cords

Note: Extension cords must not be used with this item's Charger.

Symbology

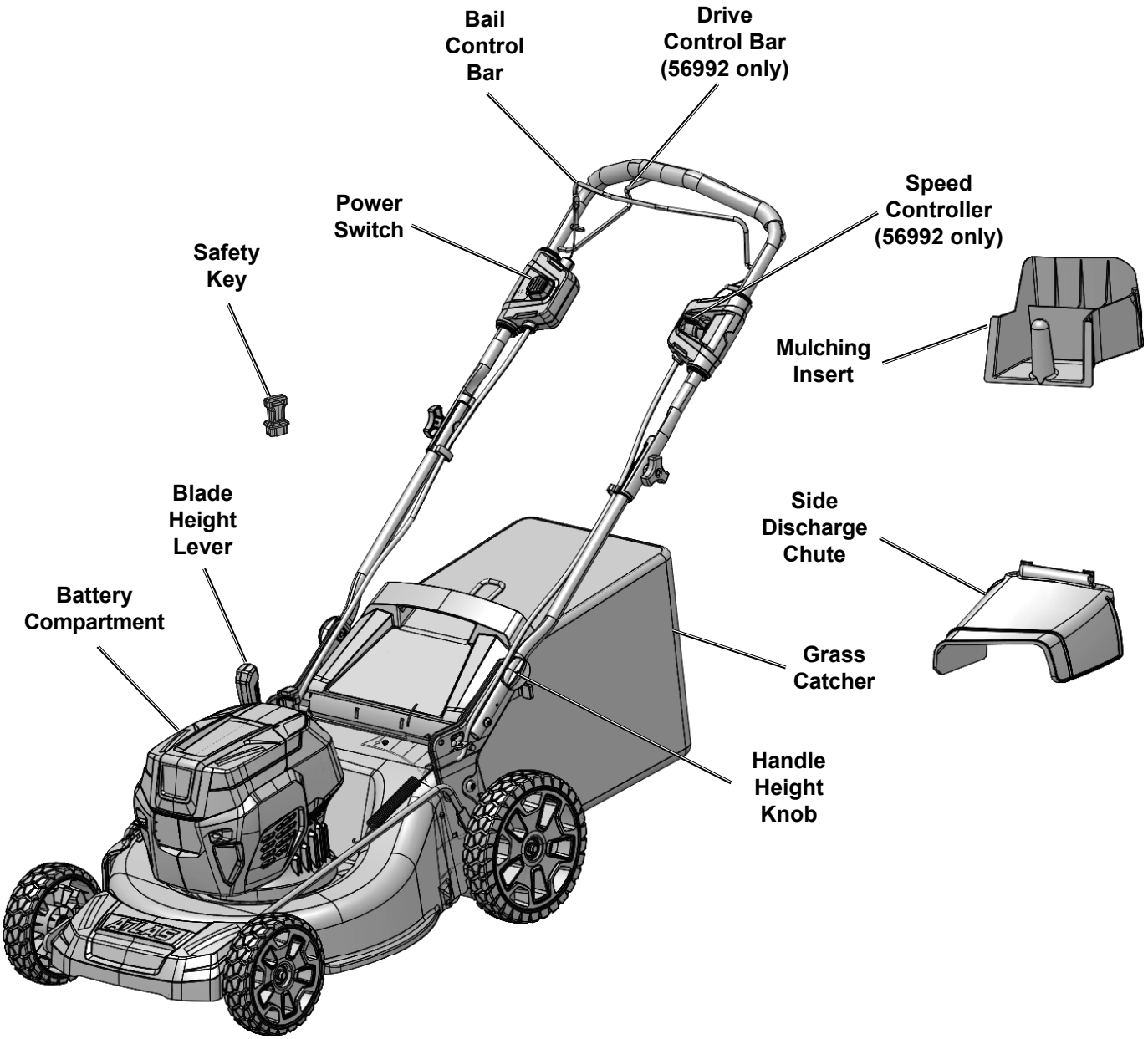
	Double Insulated
V	Volts
~	Alternating Current
A	Amperes
n_0 xxxx/min.	No Load Revolutions per Minute (RPM)
	WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved safety goggles with side shields.
	WARNING marking concerning Risk of Hearing Loss. Wear hearing protection.

	Read the manual before set-up and/or use.
	WARNING marking concerning Risk of Fire. Do not cover Charger ventilation ducts. Charge on fireproof surface only.
	WARNING marking concerning Risk of Electric Shock. Properly connect Charger's power cord to appropriate outlet.
	WARNING marking concerning Risk of Explosion. Do not puncture, short, or open battery packs and do not charge damaged battery packs.

Specifications

Battery Type	Atlas Li-Ion 40/80V (57014) (sold separately)
Charger Type	56993 or 56997 Atlas Li-ion (sold separately)
Blade Speed	2800 RPM
Blade Bolt Torque	28 ft-lb (33 N-m)
Cutting Width	20"
Cutting Height	1-1/8" – 3-3/4"

Components and Controls



Read the ENTIRE IMPORTANT SAFETY INSTRUCTIONS section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

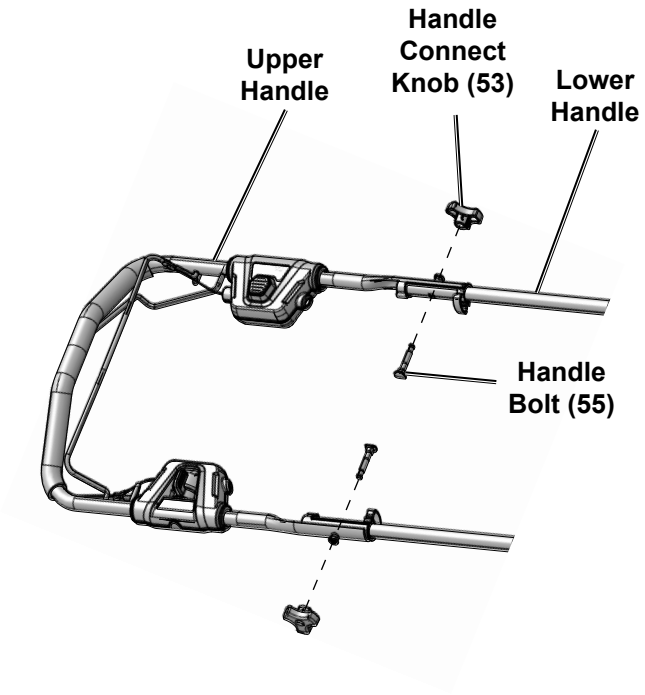
Note: For additional information regarding the parts listed in the following pages, refer to the Assembly Diagrams near the end of this manual.

⚠WARNING

Only use accessories and attachments that have been found to be acceptable for use with the lawn mower. Use of any other accessory or attachments might increase the risk of injury.

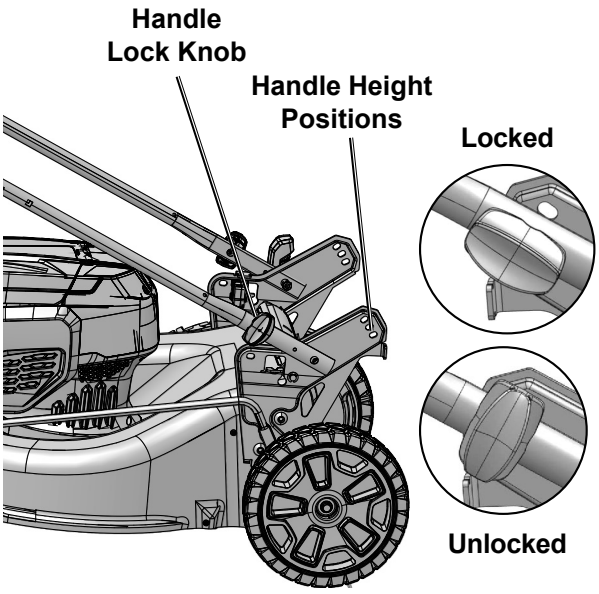
Attach Upper Handle

1. Lift Upper Handle and carefully line up with Lower Handles without pinching or twisting cables.
2. Connect Upper Handle to Lower Handles with Handle Connect Knobs (53) and Handle Bolts (55). Tighten securely.

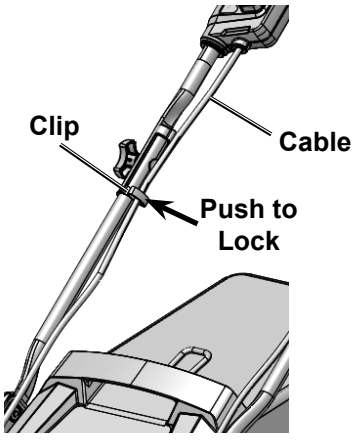


56992 Shown

3. Unlock Lower Handles: Pull out and rotate Handle Lock Knobs 90 degrees.
4. Move Handle assembly to operating position, locking each side into preferred handle height position. Check that both sides are securely locked into place.



5. Route cables through clips, then push clips to lock.



Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Tool Set Up

⚠WARNING

Only use accessories and attachments that have been found to be acceptable for use with the lawn mower. Use of any other accessory or attachments might increase the risk of injury.

Battery Charging

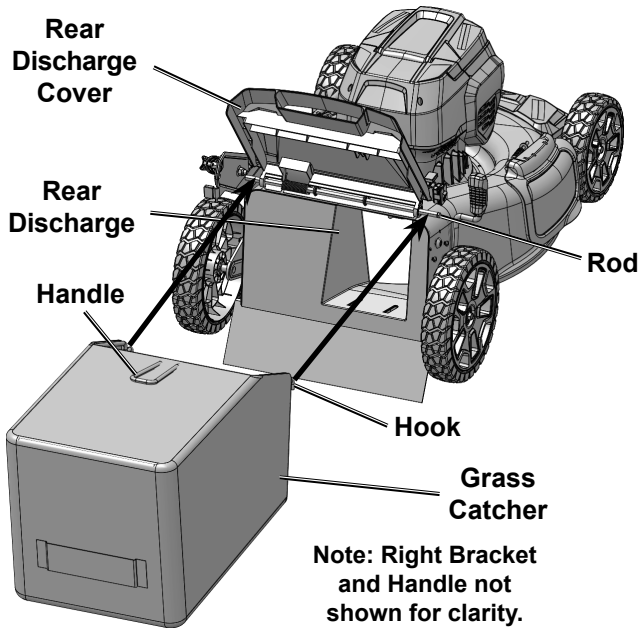
Charge battery before using this tool. Follow instructions included with battery charger (sold separately).

Install Accessory

Do not operate Lawn Mower without an accessory installed in rear discharge.

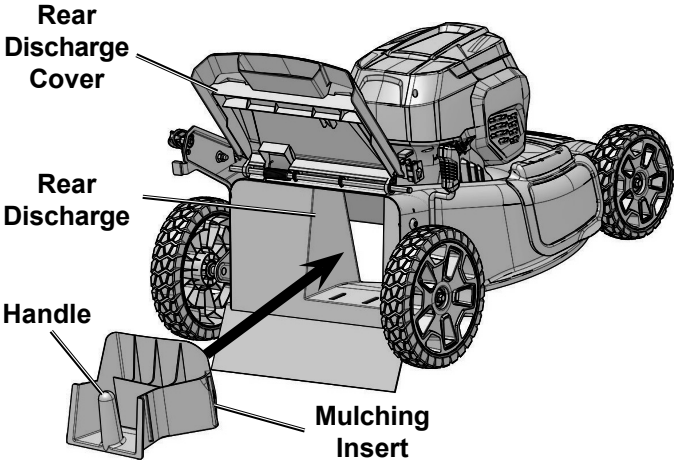
Grass Catcher

1. Remove Safety Key and Battery Pack(s).
2. Remove Mulching Insert, if present.
3. Lift and hold Rear Discharge Cover.
4. Lift Grass Catcher by its Handle and place Hooks over Rod.
5. Lower Rear Discharge Cover.
6. To remove, lift and hold Rear Discharge Cover, remove Grass Catcher, then lower Rear Discharge Cover.



Mulching Insert

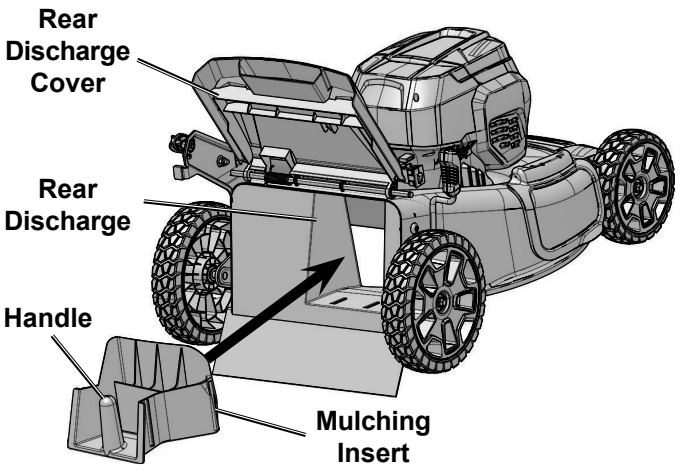
1. Remove Safety Key and Battery Pack(s).
2. Lift and hold Rear Discharge Cover.
3. Lift Mulching Insert by its Handle and push into Rear Discharge until it clicks in place.
4. Lower Rear Discharge Cover.
5. To remove, lift and hold Rear Discharge Cover, squeeze base of Handle and pull straight back. Lower Rear Discharge Cover.



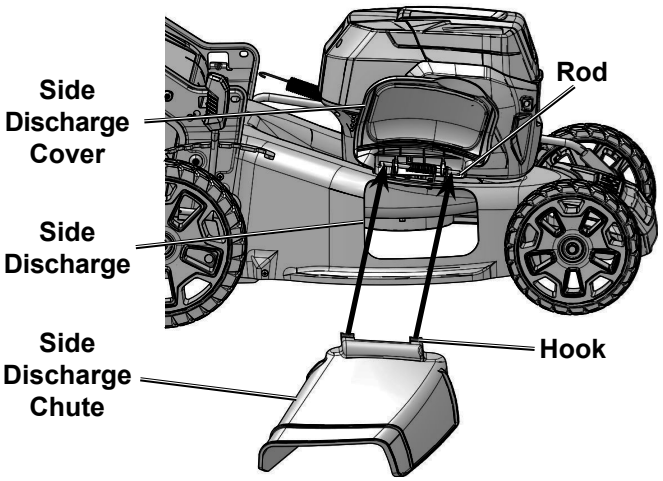
Side Discharge Chute

Do not operate Lawn Mower with Side Discharge Chute WITHOUT Mulching Insert installed in rear discharge.

1. Remove Safety Key and Battery Pack(s).
2. Lift and hold Rear Discharge Cover.
3. Lift Mulching Insert by its Handle and push into Rear Discharge until it clicks in place.
4. Lower Rear Discharge Cover.



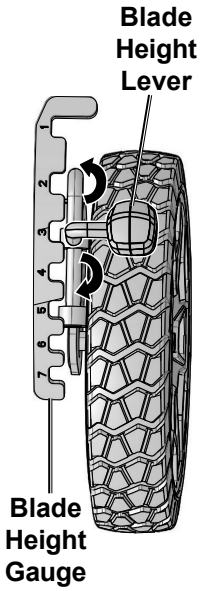
5. Lift and hold Side Discharge Cover.
6. Lift Side Discharge Chute, tip up, place Hooks **under** Rod, then tip Chute down.
7. Lower Side Discharge Cover.



8. To remove:
   a. Lift and hold Side Discharge Cover.
   b. Tip Side Discharge Chute up and lift off rod.
   c. Lower Side Discharge Cover.
   d. Lift and hold Rear Discharge Cover.
   e. Squeeze base of Handle and pull straight back.
   f. Lower Rear Discharge Cover.

Adjust Blade Height

1. Remove Safety Key and Battery Pack(s).
2. To raise Blade height, move Lever to higher number. Place Lever into notch at desired height.
3. To lower Blade height, move Lever to lower number. Place Lever into notch at desired height.



⚠OPERATING TIPS - BEFORE STARTING THE MOWER

a. **Use only during daylight hours. Do not use at night.**

b. **Inspect equipment.**

c. **Check Blade connection, tighten Bolt if necessary. See Inspect Blade on page 14.**

d. **Make sure grass is dry.**

e. **Turn off Mower before moving over loose material, such as gravel, dirt, and mulch**.

General Operation

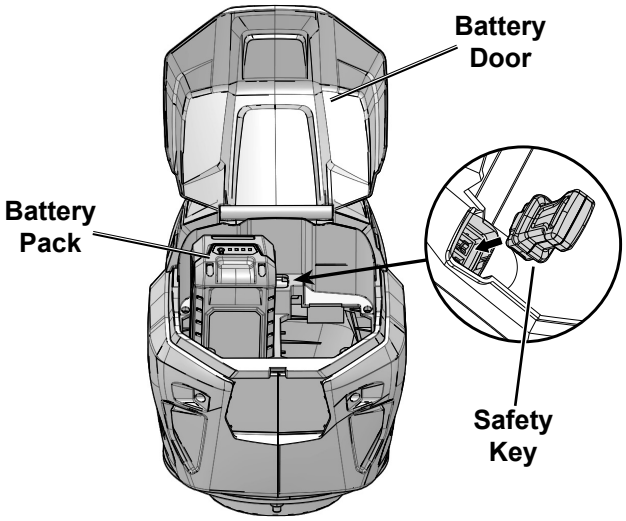
⚠WARNING

TO PREVENT SERIOUS INJURY: Do not put hands or feet near or under the machine.
Keep clear of the discharge opening at all times.
Wear ANSI-approved safety glasses, heavy-duty work gloves,
dust mask/respirator and hearing protection during use.
Clear the area of objects such as rocks, wire, toys, etc., which could be thrown by the blade.
Stay behind the handle when the lawn mower is running.
Be sure the area is clear of bystanders before operating. Stop machine if anyone enters the area.

Note: Two Battery Packs may be used. The Mower will switch to second Battery Pack when first Battery Pack is discharged. User may feel subtle loss of power and/or power surge while batteries switch.

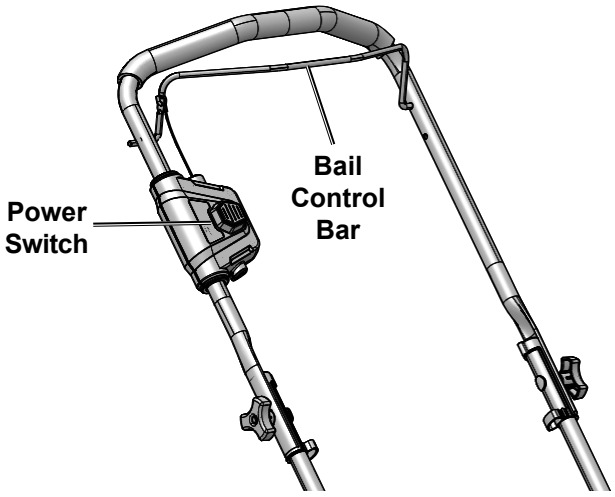
1. Open Battery Door, insert Battery Pack into battery compartment and push down until it clicks into place. Insert second Battery Pack, if using.
2. Insert Safety Key.

Note: Mower will not operate unless Safety Key is inserted.



Start Push Mower (56998)

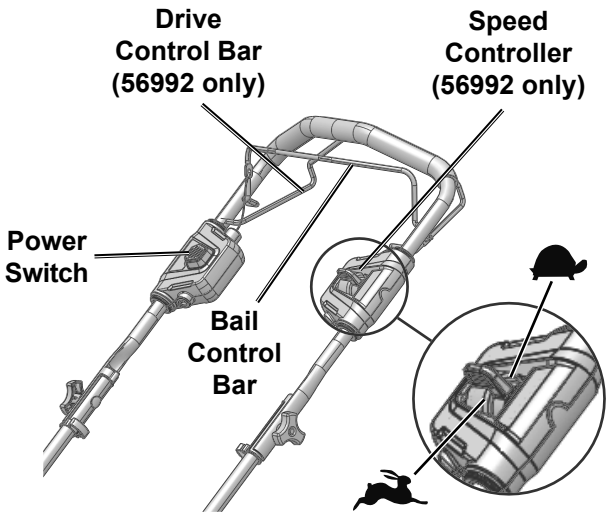
1. Press and hold down Power Switch, then pull and hold Bail Control Bar against Handle.
2. When Mower has started, release Power Switch.
3. To stop Mower, release Bail Control Bar.



Start Self-Propelled Mower (56992)

WARNING! To prevent serious injury, before starting Mower, set Speed Controller to its lowest setting. Do not operate Drive Control bar until Mower is started.

1. Press and hold down Power Switch, then pull and hold Bail Control Bar against Handle.
2. When Mower has started, release Power Switch.
3. While holding Bail Control Bar, pull and hold the Drive Control Bar against the Handle. The Mower will move forward.
4. Adjust Speed:
   - To increase speed, push Speed Controller forward toward the rabbit symbol.
   - To decrease speed, pull Speed Controller backward toward the turtle symbol.



5. To stop forward motion, release Drive Control Bar.
6. To stop Mower, release Bail Control Bar.

Automatic Shut Off

The Mower has thermal overload protection to stop the machine if overload occurs. If Mower shuts off:

1. Release the Bail Control Bar and Drive Control Bar (56992 only).
2. Remove Safety Key and Battery Pack(s).
3. Allow Mower to cool at least 15 minutes.
4. Insert Battery Pack(s) and Safety Key.
5. Restart Mower.

Empty Grass Catcher

1. Stop Mower.
2. Remove Safety Key and Battery Pack(s).
3. Remove Grass Catcher, empty, then replace Grass Catcher.
4. Replace Battery Pack(s) and Safety Key.
5. Restart Mower.

After Use

1. To prevent accidents, turn off the Mower and remove its Safety Key and Battery Pack(s) after use.
2. Remove and empty Grass Catcher.
3. Clean, then store the Mower indoors out of children's reach. Refer to *Cleaning, Maintenance, and Storage on page 14* for additional information.

Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Remove Safety Key and Battery Pack(s) before performing any procedure in this section.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:
Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

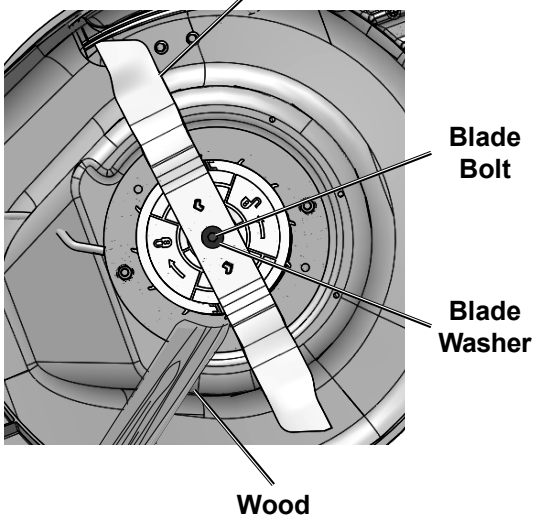
Cleaning, Maintenance, and Storage

1. **BEFORE EACH USE,** inspect the general condition of the tool. Check for:
   - loose or damaged blade
   - leaking, swollen, or cracked battery pack
   - loose hardware
   - misalignment or binding of moving parts
   - cracked or broken parts
   - any other condition that may affect its safe operation.
2. **AFTER USE,** clean external surfaces, blade and under mower deck.
3. Li-Ion BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.
   Do not short, incinerate or open battery.
4. Remove Safety Key and Battery Pack(s) and store Battery Pack(s), Charger, Mower and accessories in dry, indoor area out of reach of children. Keep Battery Packs and away from metal objects (i.e., paperclips, coins) to prevent shorting.

Inspect Blade

CAUTION! The blade is sharp. Wear heavy-duty work gloves when handling and working near the Blade.

1. Remove Safety Key and Battery Pack(s).
2. Turn Mower on its side.
3. **Check Blade for damage**. If damaged, have Blade sharpened or replaced.
4. **Check Blade tightness.** If Blade is loose:
   a. Block Blade with piece of wood.
   b. Turn Blade Bolt clockwise to tighten. Torque to 28 ft-lb (33 N-m).
   c. Remove piece of wood.



Clean Mower

CAUTION! Wear heavy-duty work gloves when cleaning underneath Mower.

NOTICE: To prevent damage, do not spray water or any liquid to clean the mower.

1. Remove Safety Key and Battery Pack(s).
2. Empty the Grass Catcher.
3. Use a clean cloth to clean external surfaces.
4. Use a brush to clean debris from discharge chutes.
5. Turn Mower on its side, then use a brush to clean debris from blade and bottom of mower deck.

Storage

<u>CAUTION!</u> DO NOT HANG MOWER ON ANY VERTICAL SURFACE, ONLY STORE MOWER ON A HARD, FLAT, HORIZONTAL SURFACE.

1. Remove Grass Catcher.
2. Unlock Lower Handles: Pull out and rotate Handle Lock Knobs 90 degrees.
3. Fold Handles over Mower. Lower Handles without pinching or twisting cables.
4. Loosen Handle Connect Knobs.
5. Fold Upper Handles over Mower. Lower Handles without pinching or twisting cables.
6. Tip Mower up to store.



Troubleshooting

Problem	Possible Causes	Probable Solutions
Mower won't start.	1. Battery Pack(s) not properly connected.	1. Make sure Battery Pack(s) are inserted correctly and locked in place.
	2. Battery Pack(s) not properly charged.	2. Make sure Charger is connected and operating properly. Give enough time for Battery Pack(s) to charge properly.
	3. Safety Key not installed.	3. Insert Safety Key.
	4. Grass jamming blade.	4. Clean blade.
	5. Internal damage or wear.	5. Have machine serviced by qualified technician.
Excessive noise or vibration.	1. Dull Blade.	1. Have qualified technician sharpen Blade.
	2. Bent or broken Blade.	2. Have qualified technician replace Blade.
	3. Unbalanced blade.	3. Have qualified technician balance Blade.
	4. Motor Shaft broken.	4. Have machine serviced by qualified technician.
Blade does not spin properly.	1. Blade loose.	1. Stop Mower, remove Safety Key and Battery Pack(s), then torque the Blade Bolt to 28 ft-lb (33 N-m).
	2. Blade dirty.	2. Clean Blade.
	3. Unbalanced blade.	3. Have qualified technician balance Blade.
	4. Internal parts damaged.	4. Have machine serviced by qualified technician.
Mower stops during use.	Thermal overload protection has tripped.	Remove Safety Key and Battery Pack(s) and allow Mower to cool at least 15 minutes.
Mower hard to push	1. Grass too tall.	1. Raise blade height.
	2. Grass Catcher full.	2. Empty Grass Catcher.
	3. Grass wet.	3. Wait until grass is dry.

Follow all safety precautions whenever diagnosing or servicing the equipment.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

56992 Parts List

Part	Description	Qty
1	Motor Assembly	1
2	Blade Washer	1
3	Fan	1
4	Side Discharge Chute	1
6	Washer	2
7	Front Cover	1
8	Side Discharge Cover	1
9	Blade	1
10	Blade Bolt	1
11	Screw	23
12	Deck	1
13	Wheel Bolt	4
14	Screw	20
15	Front Wheel Axle	1
16	Axle Press Plate	2
17	Axle Screw	8
18	8" Front Wheel	2
19	Front Axle Cover	1
20	Nut	2
21	Height Adjustment Link Bar	1
22	Nut	4
23	Height Adjustment Spring	1
24	Rear Baffle	1
25	Screw	2
26	Left Handle Bracket	1
27	Bolt	4
28	Rear Discharge Cover	1
29	Nut	4
30	Switch Assembly	2
31	Plug	2
32	Right Handle Bracket	1
33	E-Clip	2
34	Rod	1
35	Spring	1
36	Spring	1
37	Cotter Pin	1

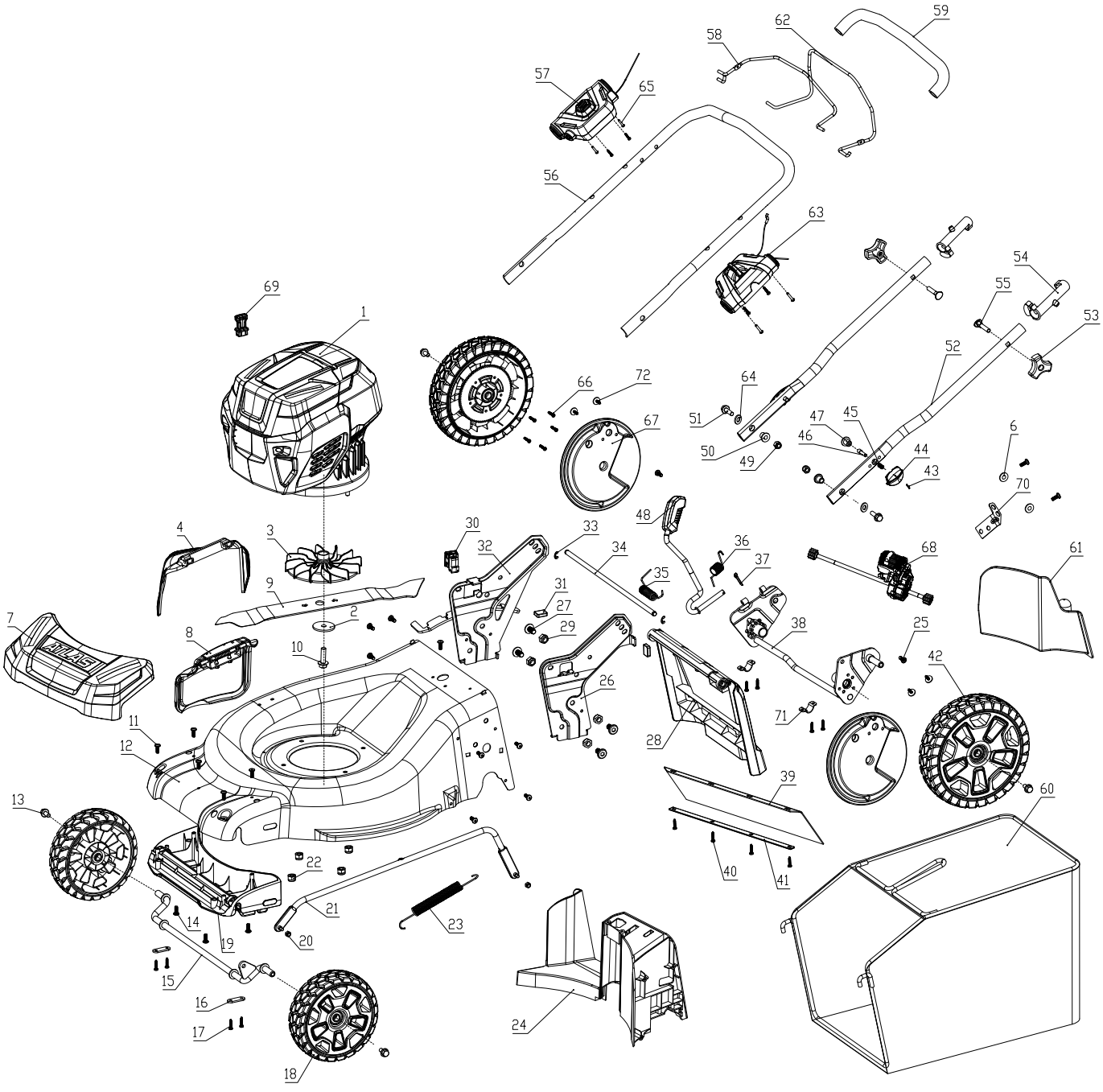
Part	Description	Qty
38	Rear Wheel Axle	1
39	Rear Shield	1
40	Screw	4
41	Rear Shield Press Plate	1
42	10" Rear Wheel	2
43	Pin	2
44	Handle Lock Knob	2
45	Spring	2
46	Limit Column	2
47	Block	2
48	Blade Height Lever	1
49	Nut	2
50	Bolt Sleeve	2
51	Bolt	2
52	Lower Handle	2
53	Handle Connect Knob	2
54	Sleeve	2
55	Handle Bolt	2
56	Upper Handle	1
57	Power Switch Box	1
58	Bail Control Bar	1
59	Foam Handle Cover	1
60	Grass Catcher	1
61	Mulching Insert	1
62	Drive Control Bar	1
63	Speed Controller Box	1
64	Washer	4
65	Screw	4
66	Screw	28
67	Dust Cover	2
68	Reducer	1
69	Safety Key	1
70	Reducer Bracket	1
71	Rear Axle Bracket	2
72	Screw	4

Record Product's Serial Number Here:_____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts. Parts may not be interchangeable. Specify item number when ordering.

56992 Assembly Diagram



56998 Parts List

Part	Description	Qty
1	Motor Assembly	1
2	Blade Washer	1
3	Fan	1
4	Side Discharge Chute	1
5	Front Cover	1
8	Side Discharge Cover	1
9	Blade	1
10	Blade Bolt	1
11	Screw	17
12	Deck	1
13	Wheel Bolt	4
14	Screw	4
15	Front Wheel Axle	1
16	Axle Press Plate	4
17	Axle Screw	8
18	8" Front Wheel	2
19	Front Axle Cover	1
20	Nut	2
21	Height Adjustment Link Bar	1
22	Nut	4
23	Height Adjustment Spring	1
24	Rear Baffle	1
26	Left Handle Bracket	1
27	Bolt	4
28	Rear Discharge Cover	1
29	Nut	4
30	Switch Assembly	2
31	Plug	2
32	Right Handle Bracket	1
33	E-Clip	2
34	Rod	1

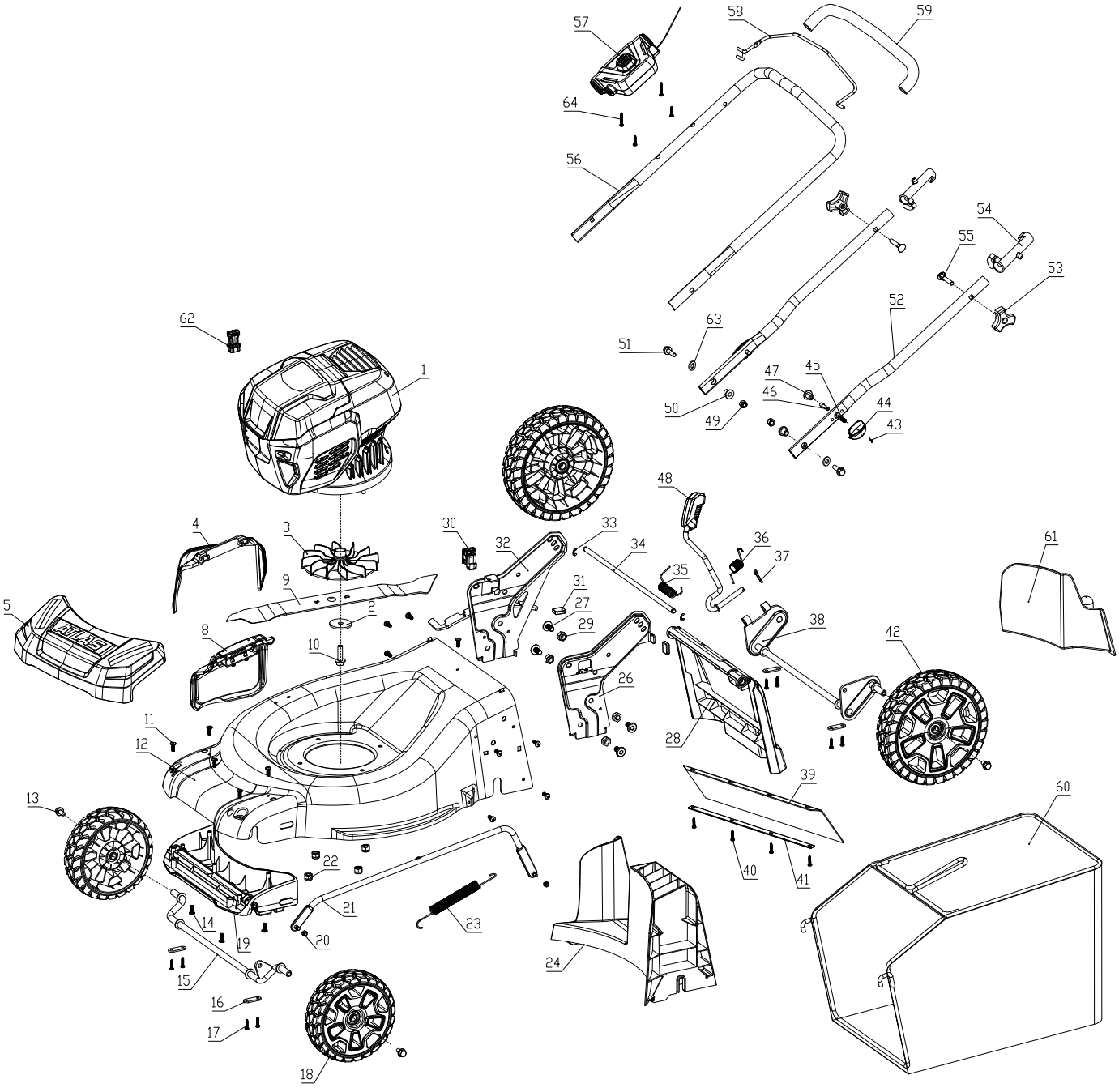
Part	Description	Qty
35	Spring	1
36	Spring	1
37	Cotter Pin	1
38	Rear Wheel Axle	1
39	Rear Shield	1
40	Screw	4
41	Rear Shield Press Plate	1
42	10" Rear Wheel	2
43	Pin	2
44	Handle Lock Knob	2
45	Spring	2
46	Limit Column	2
47	Block	2
48	Blade Height Lever	1
49	Nut	2
50	Bolt Sleeve	2
51	Bolt	2
52	Lower Handle	2
53	Handle Connect Knob	2
54	Sleeve	2
55	Handle Bolt	2
56	Upper Handle	1
57	Power Switch Box	1
58	Bail Control Bar	1
59	Foam Handle Cover	1
60	Grass Catcher	1
61	Mulching Insert	1
62	Safety Key	1
63	Washer	2
64	Screw	2

Record Product's Serial Number Here:_____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts. Parts may not be interchangeable. Specify item number when ordering.

56998 Assembly Diagram



Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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