

NEW HOLLAND

Commercial

Front Mount

Rotary Mower

MC60SD MODEL NO.
715667016 - A9BG001 & Up

MC72SD MODEL NO.
715638006 - A9BJ001 & Up

OPERATOR'S MANUAL



NEW HOLLAND

S E R V I C E

INTRODUCTION

TO THE OWNER & OPERATOR

Congratulations on your decision to purchase a NEW HOLLAND Mower. May we recommend you read this manual before operating your new MC60SD or MC72SD Front Mounted Mower.

Your mower has been designed to give many years of satisfactory service. Successful operation and long life depends on proper maintenance and correct operating technique.


This Operator's Manual has been printed to provide you with safe operating techniques, proper maintenance procedures, correct unit assembly, and parts identification on your mower. Please read this manual carefully, following all instructions. Keep this manual handy for future reference.

All references to right and left, forward or rearward, used in this manual refer to that direction when seated on the tractor seat facing forward.

Should any assistance be required in understanding any section of this manual, contact your NEW HOLLAND Dealer.

IDENTIFICATION NUMBERS

Locate the serial number plate and record the numbers from it on the pictured plate below. Always refer to this information when requesting repair parts or dealer service.

		NEW HOLLAND	
MODEL NO.		SERIAL NO.	
<input type="text"/>		<input type="text"/>	
COMPONENT			
<input type="text"/>			
NEW HOLLAND NORTH AMERICA, INC.			
<small>MADE IN U.S.A.</small>			

Contact your NEW HOLLAND Dealer for authorized service parts. Substitute repair parts will void the product warranty, and will not meet the standards required for safe operation.

TABLE OF CONTENTS

INTRODUCTION	1
To the Owner & Operator.....	1
Identification Numbers	1
SAFETY PRECAUTIONS	4
The Mower	4
Mower Operation	4
The Tractor	4
Operating the Tractor & Mower	5
Servicing the Mower	5
OPERATING INSTRUCTIONS	6
General Information	6
Tips for Efficient Mowing	6
Cutting Heights	7
Gauge Wheel Adjustment	7
Rear Lift Link Adjustment	7
Uneven Terrain	8
Grass Discharge	8
Adjusting the Weight Transfer Valve	9
MAINTENANCE SECTION	10
Lubrication Schedule	10
Blade Removal & Installation	11
Blade Sharpening	11
Deck Maintenance Position	12
Service Link Position	12
Return to Operating Mode	13
Front Wheel Bearing Replacement.....	13
Mower Deck Removal	13
Belt Adjustment	14
Belt Replacement	14
Spindle Rebuilding	15
Reconditioning the Driveline.....	16
Gearbox Rebuilding	17
Driveline Shear Bolt & Snap Ring	18

TABLE OF CONTENTS - Continued

TROUBLESHOOTING GUIDE	19
BOLT TORQUE CHART	21
Special Fastener Torque Requirements.....	21
Metric Fastener Torques.....	22
Standard Fastener Torques	23
ASSEMBLY INSTRUCTIONS	24
Pre-Assembly Notes	24
Installing Wheel Strut Assy.	24
Installing Crossmember Lift Bar	25
Installing Discharge Deflector	25
Connecting Driveline & Gearbox	26
Installing Lift Arms	26
Fastening Lift Arms	27
Checking the Mower Service Links	27
Connecting Driveline to Tractor PTO	27
Assembly Notes	28
Seasonal Storage	28
PARTS ILLUSTRATIONS	29
Mower Deck & Related Components	30
Mower Deck Component Fasteners	32
Wheel & Strut Components	34
Lift & Deflector Components	36
Spindle Components	38
Gearbox Components	40
Driveline Components	42
SAFETY DECALS	44
SPECIFICATIONS	46
PRE-DELIVERY CHECKLIST	47
OWNER ASSISTANCE	50

SAFETY PRECAUTIONS

A careful operator is the best operator. Most accidents can be avoided by observing certain safety precautions. Read and understand these precautions before operating the Front Mounted Mower. This equipment should be operated only by those who have been trained in its safe use.

THE MOWER

Know and understand all mower instructions and Safety Precautions before assembly, service, or operation. Also read and understand all Safety Precautions in the Tractor Operator's Manual.

Keep the tractor and mower in good operating condition at all times. Always keep all shields and guards securely in place.

Make sure all fastening hardware is properly tightened before operating the tractor and mower.

Keep all Safety Decals clean and free of dirt and grime. Always replace any Safety Decals that become damaged, lost, painted over, or otherwise become illegible. Replace all Safety Decals when repainting the cutter.

Always keep mower discharge directed away from people or animals, which could be injured, and away from objects that could be damaged, by debris thrown by the mowing blades.

To avoid the possibility of injury from flying debris, NEVER operate the mower raised into the transport position.

Stop and inspect all parts of the mower after striking any foreign object. Repair any damage before resuming mowing operations.

Disengage power to the mower and make sure the area behind the tractor and mower is clear before backing up.

The operator should NEVER leave the tractor seat with the mower blades rotating, with the tractor in motion, or when the tractor engine is running.

Always be alert for vehicle traffic when crossing or mowing near roadways. Avoid bystanders when mowing on or near public facilities.

MOWER OPERATION

NEVER operate the mower with the discharge deflector in the raised position.

DO NOT permit anyone but the operator to ride on the tractor and mower. There is no safe place on this equipment for passengers.

Clear the area of all visible debris before beginning mowing operations.

Mow only during daylight hours, or when the area is well lit artificially.

To avoid loss of control, and to prevent overturning the tractor and mower, always mow up and down slopes, never across. DO NOT operate on steep slopes.

Always slow down when turning.

THE TRACTOR

Always use an approved Roll Over Protective Structure (ROPS) and Seat Belt for safe operation. Overturning a tractor, without a ROPS, can result in serious injury or death. If your tractor is not equipped with a ROPS and Seat Belt, see your NEW HOLLAND Dealer.

ALWAYS wear the seat belt on ROPS equipped tractors. DO NOT use a seat belt if the tractor ROPS has been removed.

NEVER allow an open flame near the fuel tank or tractor battery.

WHEN YOU SEE THIS SYMBOL  IT MEANS:

ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

SAFETY PRECAUTIONS - Continued

OPERATING THE TRACTOR & MOWER

Use the hand holds and step platforms when mounting and dismounting the tractor to prevent falling. Always keep steps and platforms clean and free of mud or other debris.

The operator **MUST** remain in the tractor seat, at all times, while mowing, transporting, or anytime the tractor engine is running.

NEVER start the engine while standing beside the tractor. The operator **MUST** sit in the tractor seat when starting the engine.

NEVER run the engine in a closed building without adequate ventilation. Exhaust fumes are very dangerous and can cause permanent injury or death.

Use extreme care when operating on slopes to maintain equipment stability.

Keep the tractor in gear when traveling downhill.

Install tractor wheel weights to increase stability when operating on slopes. Consult your **NEW HOLLAND Dealer** on ballasting requirements for your equipment.

Always bring the tractor to a complete stop, lower the mower deck to ground contact, disengage power to the mower, set the parking brake, shut off the engine and remove the key, before dismounting from the tractor.

NEVER park the tractor on an incline.

SERVICING THE MOWER

Keep the tractor and mower clean. Grease, dry debris and grass buildup can cause fires, damaging the equipment and causing serious injury to yourself or others.

Check for and replace or repair missing, loose, or damaged parts on the mower. A defective mower could cause injury to another operator who is unaware of a potential problem.

To avoid injury, do not clean, adjust, unclog, or service the mower when the engine is running.

Do not work under the raised mower deck unless it is tipped rearward and retained by both mower service links, or is securely supported by a suitable hoist, floor jack and jackstands.

Make sure all hoists, floor jacks and jackstands are in good working order and have sufficient capacity to support the elevated equipment, before repair, adjustment, or lubrication of the tractor or front mounted mower.

Inspect the mowing blade retainer bolts and top spindle nuts daily, or whenever a blade has been removed. Blade bolt torque is 110 to 130 ft. lbs. (150-177 N·m) and pulley nut torque is 80 ft. lbs. (109 N·m). These fasteners have right hand threads.

To avoid injury when handling mowing blades, wear leather gloves, or wrap the blades in the area where they will be held with heavy cloth or other protective material.

Do not modify or alter or permit anyone else to modify or alter the front mount mower, or any of its components or operating functions. If in doubt on modifications, consult your **NEW HOLLAND Dealer**.

WHEN YOU SEE THIS SYMBOL  IT MEANS:

ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

OPERATING INSTRUCTIONS

GENERAL INFORMATION

The safe operation of the tractor and mower is the responsibility of the operator. The operator **MUST** be familiar with tractor and mower controls, how they work, and all Safety Precautions **BEFORE** starting operation. The MC60SD/MC72SD Mower is designed to be used as a finish cut lawn mower.

IMPORTANT:

To avoid damage to the mower, re-torque ALL fastening hardware, including blade bolts and spindle pulley retaining nuts, after the first hour of mowing operation.



CAUTION:

INSPECT THE MOWING BLADE RETAINER BOLTS AND SPINDLE NUTS DAILY, OR WHENEVER A BLADE HAS BEEN REMOVED. BLADE BOLT TORQUE IS 110 TO 130 ft. lbs. (150-177 N·m) AND PULLEY NUT TORQUE IS 80 ft. lbs. (109 N·m). THESE FASTENERS HAVE RIGHT HAND THREADS.

TIPS FOR EFFICIENT MOWING

Blade sharpness affects the appearance of the mowed lawn. A dull or damaged blade will cause grass to appear torn or beaten off, rather than cut cleanly. Mowing blades should be checked regularly and kept sharp to insure the best lawn appearance.

Tractor engine speed while mowing should be at maximum rated RPM. This will insure proper blade speed for effective cutting and discharge of grass clippings.

Travel speed greatly effects mowing performance. The operator must use his own best judgement for the ground speed required for encountered mowing conditions. Always use a lower tractor transmission speed for slower mowing, rather than lowering engine RPM.



WARNING:

DO NOT PERMIT ANYONE BUT THE OPERATOR TO RIDE ON THE TRACTOR OR MOWER. THERE IS NO SAFE PLACE ON THIS EQUIPMENT FOR PASSENGERS.

Mow often! Do not wait for the grass to get too tall. Short grass clippings will disperse better and deteriorate faster.



CAUTION:

CLEAR THE AREA OF ALL VISIBLE DEBRIS BEFORE BEGINNING MOWING OPERATIONS.

Mowing areas with tall grass or weeds may require cutting at 4-1/2 inches (maximum) height of cut. After mowing once, recut the entire area with the mower reset to the desired final height of cut.

When cutting along sidewalks, driveways, etc., it is advisable to mow with the discharge directed away from these areas for 2 or 3 passes. This will keep grass clippings off of these areas.



WARNING:

ALWAYS KEEP MOWER DISCHARGE DIRECTED AWAY FROM PEOPLE OR ANIMALS, WHICH COULD BE INJURED, AND AWAY FROM OBJECTS THAT COULD BE DAMAGED, BY DEBRIS THROWN BY THE MOWER BLADES.

The gauge wheels on either side of the front of the mowing deck serve as convenient mowing guides. When mowing, position the mower so the gauge wheel overlaps the edge of the strip previously cut. This will assure full mowing coverage.



CAUTION:

MOW ONLY DURING DAYLIGHT HOURS, OR WHEN THE AREA IS WELL LIT ARTIFICIALLY.

When transporting, always disengage the power to the mower.



WARNING:

TO AVOID THE POSSIBILITY OF INJURY FROM FLYING DEBRIS, NEVER OPERATE THE MOWER IN THE RAISED TRANSPORT POSITION.

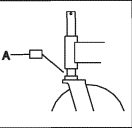
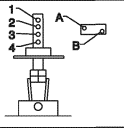
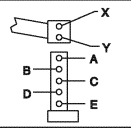
CUTTING HEIGHTS

This mower can be adjusted to mow from 1-1/2 inches to 4-1/2 inches (38 to 115 mm) height of cut. Grass mowing height should be determined by encountered conditions and personal preference.

The following recommendations are provided as a guide for cutting height selection.

Lawns = 1-1/2" to 3" (38-76mm)
Field Cutting = 3" to 4-1/2" (76-115 mm)

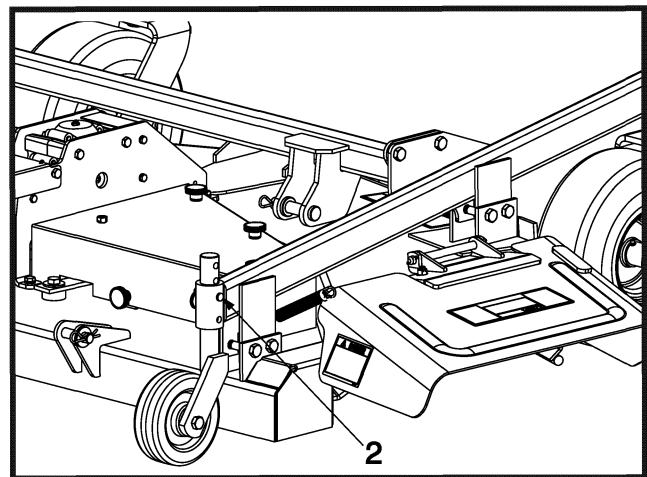
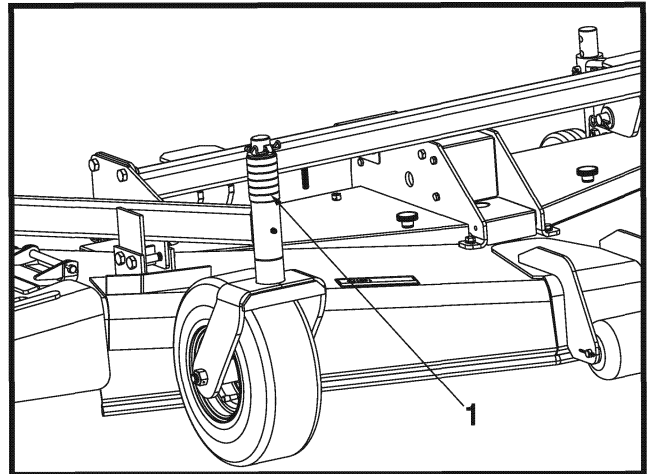
To change the height of cut it is necessary to adjust the gauge wheels and the rear lift rods with the unit parked on a driveway, garage floor or similar flat and level surface.

CUTTING HEIGHT			
1 1/2 IN (38MM)		1 - B	Y - E
2 IN (51MM)	A (1/2")	1 - A	X - C
2 1/2 IN (64MM)	2 - A	2 - B	Y - D
3 IN (76MM)	3 - A	2 - A	X - B
3 1/2 IN (89MM)	4 - A	3 - B	Y - C
4 IN (102MM)	5 - A	3 - A	X - A
4 1/2 IN (115MM)	6 - A	4 - B	Y - B

183363

GAUGE WHEEL ADJUSTMENT

1. Start the tractor engine and raise the mower by pulling rearward on the hydraulic control lever.
2. Shut off the engine, remove the key, and set the tractor parking brake.
3. After determining the desired cutting height, as shown on the chart above (duplicated as a label) on the mower deck), remove the lock pin from one of the front wheel spindles. Lower spindle shaft until C-Spacers (1) can be slid over the relief area of spindle shaft. Install the number of C-Spacers needed to acquire desired cutting height. Slide shaft up and install remainder of C-Spacers, washer, and lock pin to top of shaft. Repeat the adjustment on second gauge wheel.
4. To adjust rear gauge wheels, use the chart above or label on the mower deck, to determine desired cutting height. Remove wire ring and clevis pin (2) from one of the gauge wheels. Place the spindle shaft in line with the appropriate cross hole, reinstall the clevis pin and wire ring. Repeat the adjustment on the second rear gauge wheel.



Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com