

NEW HOLLAND OPERATOR'S MANUAL

60CO 60" Rotary Broom #717173046

For TC Tractors (TC18, TC18D, TC21, TC21D, TC21DA, TC24D, TC24DA, TC29D, TC29DA, TC33D, TC33DA, TC30, TC35D, TC35DA, TC40D, TC40DA, TC45DA)



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TABLE OF CONTENT

INTRODUCTION – TO THE PURCHASER	3
SAFETY PRECAUTIONS	4
Before Operation.....	4
Notice.....	5
Subframe & Rotary Broom	5
Before Operation	5
Rotary Broom & Subframe Operation	6
The Tractor	7
General Informaton.....	7
Operating the tractor.....	7
During Operation	8
Roll-Over Protective Structure "ROPS"	8
Additional Safety Equipment.....	8
Maintenance	9
Transporting.....	10
DECALS	11
ASSEMBLY	12
Rotary Broom Assembly	12
Preparation	12
Driveline Installation.....	12
Installation of Female Hitch and Pivot Assembly.....	13
Installation of Shock Absorber	13
Installation of Tension Springs.....	14
Setting up the Male Quick Hitch for TC18, TC18D, TC21, TC21D, TC21DA, TC24D, TC24DA Tractors.....	15
Setting up the Male Quick Hitch for TC29D, TC29DA, TC33D, TC33DA, TC30A Tractors	16
Setting up the Male Quick Hitch for TC35D, TC35DA, TC40D, TC40DA, TC45DA Tractors.....	16
Installation of Rotary Broom.....	17
Removing the Broom from the Tractor	18

TABLE OF CONTENT

OPERATION.....	19
General Preparation.....	19
PTO Operation	19
Raising and Lowering the Broom	19
Manual Angling Adjustment	19
Hydraulic Angling Adjustment	19
Transport Mode	20
Ground Pressure Adjustment.....	20
General Sweeping	21
Lawn Dethatching & Leaf Raking.....	22
Snow Removal	22
Troubleshooting	23
MAINTENANCE.....	23
Maintenance	23
Hardware	23
Brush Replacement	24
Drive Chain Adjustment	26
Gearbox Oil Level and Oil Change.....	26
Lubrication	27
Storage	28
PARTS.....	29
Introduction.....	29
Rotary Broom Assembly	30
Rotary Broom - Exploded view.....	32
Brush.....	34
Female Hitch and Pivot Assembly.....	35
Female Driveline.....	36
Gearbox.....	37
TORQUE SPECIFICATION TABLE	38

INTRODUCTION

TO THE PURCHASER

All products are designed to give safe, dependable service if they are operated and maintained according to instructions. **Read and understand this manual before operation.**

This manual has been prepared to assist the owner and operators in the safe operation and suitable maintenance of the rotary broom. The information is applicable to products at the time of manufacture and does not include modifications made afterwards.

Read and understand this operator's manual before attempting to put equipment into service. Familiarize yourself with the operating instructions and all the safety recommendations contained in this manual and those labeled on the equipment and on the tractor. Follow the safety recommendations and make sure that those with whom you work follow them.

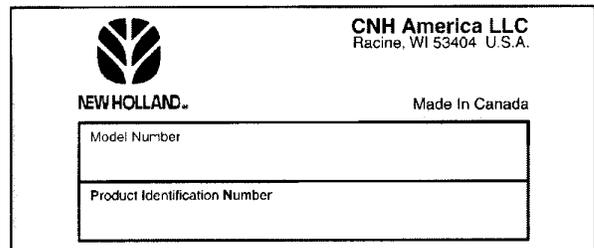
Illustrations

The illustrations may not necessarily reproduce the full detail and the exact shape of the parts or depict the actual models, but are intended for reference only.

Direction Reference

All references to right and left, forward or rearward, are from the operator's seat, facing the steering wheel.

Serial Plate



To assist your dealer in handling your needs, please record hereafter the model number and serial number of your rotary broom and tractor. It is also advisable to supply them to your insurance company. It will be helpful in the event that rotary broom or tractor is lost or stolen.

TRACTOR

ROTARY BROOM

MODEL:

SERIAL NUMBER:

DATE OF PURCHASE:

DEALER NAME:

SAFETY PRECAUTIONS



SAFETY FIRST

This symbol, the industry's "Safety Alert Symbol", is used throughout this manual and on labels on the machine itself to warn of the possibility of personal injury. Read these instructions carefully. It is essential that you read the instructions and safety regulations before you attempt to assemble or use this rotary broom.

-  **DANGER :** Indicates an immediate hazardous situation which, if not avoided, will result in death or serious injury.
-  **WARNING :** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
-  **CAUTION :** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
- IMPORTANT :** Indicates that rotary broom or property damage could result if instructions are not followed.
- NOTE :** Gives helpful information.

All products are designed to give safe, dependable service if they are operated and maintained according to instructions. **Read and understand this manual before operation.** It is the owner's responsibility to be certain anyone operating this product reads this manual, and all other applicable manuals, to become familiar with this rotary broom and all safety precautions. Failure to do so could result in serious personal injury or rotary broom damage. If you have any questions, consult your dealer.

BEFORE OPERATION

Children

Tragic accidents can occur if the operator is not alert to the presence of children. Children are generally attracted to machines and the work being done. Never assume children will remain where you last saw them.

1. Keep children out of the operating area and under the watchful eye of another responsible adult.
2. Be alert and turn machine off if children enter the work area.
3. Before and when backing, look behind for small children.
4. Never carry children while operating the machine. They may fall off and be seriously injured or interfere with the safe operation of the machine.
5. Never allow children to play on the machine or rotary broom even when they are turned off.
6. Never allow children to operate the machine even under adult supervision.
7. Use extra care when approaching blind corners, shrubs, trees, or other obstructions that might hide children from sight.

SAFETY PRECAUTIONS - continued

NOTICE

A safe operator is the best assurance against accidents. All operators, no matter how experienced they may be, should read this operator's manual and all other related manuals before attempting to operate the rotary broom. Please read the following section and pay particular attention to all safety recommendations contained in this manual and those labeled on the rotary broom and on the tractor.

SUBFRAME & ROTARY BROOM

Before Operation

1. Read and understand this operator's manual and tractor operator's manual. Know how to operate all controls and how to stop the unit and disengage the controls quickly.
2. Never wear loose, torn, or bulky clothing around the tractor, the subframe and the rotary broom. It may catch on moving parts or controls, causing injury.
3. Before and during seasons, thoroughly inspect the area where the rotary broom is to be used and remove all objects that may be thrown or cause damage to the rotary broom.
4. Set transmission to neutral and disengage clutch, if equipped, before starting the engine.
5. Do not operate rotary broom in wintertime without wearing adequate winter garments. Always wear protective clothing.
6. Never attempt to make any adjustments while engine is running. Read this manual carefully to acquaint yourself with the rotary broom as well as the tractor operator's manual. Working with unfamiliar rotary broom can lead to accidents. Be thoroughly familiar with the controls and proper use of the rotary broom.
7. Keep all safety guards in place and verify hardware for proper tightening.
8. Check for moving parts excessive wear regularly. Replace worn parts with genuine parts.
9. Replace all missing, illegible, or damaged safety and warning decals. See list of decals in operator's manual.
10. Do not modify or alter this rotary broom or any of its components, or any rotary broom function without first consulting your dealer.
11. Keep safety decals clean of dirt and grime.
12. Make sure the tractor is counterweighted as recommended by your dealer. Weights provide the necessary balance to improve stability, traction and steering.

SAFETY PRECAUTIONS - continued

Rotary Broom & Subframe Operation

1. Before leaving the tractor unattended, take all possible precautions. Park the tractor/rotary broom on level ground, place the transmission in neutral, set the parking brake, disengage the PTO, lower the rotary broom to the ground, place all levers including auxiliary control levers in neutral, shut off the engine and remove the ignition key.
2. Before starting the tractor/ rotary broom, inspect and clean every rotating part.
3. Prior to operation, clear work area of all objects that can be picked up and thrown. Mark all curbs, pipes, etc. that cannot be moved.
4. Be sure the PTO switch/lever is in OFF position before starting engine.
5. Exercise extreme caution when operating on or crossing a gravel drive, walks, or roads. Stay alert for hidden hazards or traffic.
6. Do not carry passengers.
7. Keep clear of all rotating parts. Do not put hands or feet under, or into rotary broom and subframe with engine running. Be especially observant of the rotary broom areas of discharge, intake or all other mechanical motions.
8. Park the tractor/rotary broom on level ground, place the transmission in neutral, set the parking brake, disengage the PTO, lower the rotary broom to the ground, place all control levers in neutral, shut off the engine, remove the ignition key and allow the rotating parts to stop BEFORE making any repairs, adjustments or inspections.
9. If the rotary broom starts to vibrate abnormally, disengage the PTO, stop the engine immediately and check for cause. Excessive vibration is generally a sign of trouble.
10. Do not run the engine indoors except when starting engine and transporting attachment in or out of building. Carbon monoxide gas is colorless, odorless and deadly.
11. Do not attempt to operate on steep slopes. If operating on slopes is necessary, exercise extreme caution when changing direction.
12. Never operate rotary broom without guards, and other safety protective devices in place. All tractor and rotary broom shields and covers must be correctly installed at all times. When necessary to remove these, they must be reinstalled immediately.
13. Never operate rotary broom near glass enclosures, automobiles, window wells, embankments, etc., without proper adjustment of discharge angle.
14. Never operate rotary broom at high transport speeds on a slippery surface.
15. Use extra caution when backing up.
16. Disengage power to rotary broom when transporting or when not in use.
17. Never operate the rotary broom without good visibility and lighting.
18. Prolonged exposure to loud noise can cause impairment or loss of hearing. Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable noises.
19. Never allow anyone near the work area.
20. Securely connect rotary broom drive shaft. Check that all tractor and rotary broom drivelines are in good working order. Rotary broom drive shaft coupler must securely lock to and be retained by annular groove on tractor drive shaft.
21. Never allow anyone to operate the rotary broom until they have read the manual completely and are thoroughly familiar with basic tractor and rotary broom operation.
22. Make sure the tractor is counterweighted as recommended by your dealer. Weights provide the necessary balance to improve stability, traction and steering.
23. Always make sure all rotary broom components are properly installed and securely fastened BEFORE operation.
24. Make sure nobody is in the working area of the rotary broom. The debris that can be thrown could cause serious personal injuries.
25. Adjust spring tension so that the rotary broom head weighs approximately 50 lbs when the front is lifted.

SAFETY PRECAUTIONS - continued

THE TRACTOR

General Information

1. Read the operator's manual carefully before using tractor. Lack of operating knowledge can lead to accidents.
2. Do not permit anyone but the operator to ride on the tractor. There is no safe place for passengers.

Operating the Tractor

1. Never run the tractor engine in a closed building without adequate ventilation, as the exhaust fumes are very dangerous.
2. Adopt safe driving: If the tractor is equipped with independent Right/Left brake pedals, keep the brake pedals latched together at all times unless independent braking is required. Never use independent braking during transport.
3. Always drive at a safe speed relative to local conditions and ensure that your speed is low enough for an emergency stop to be safe and secure.
4. Reduce speed prior to turns to avoid the risk of overturning. Keep speed to a minimum.
5. Always keep the tractor in gear to provide engine braking when going downhill. Do not coast.
6. Never allow an open flame near the fuel tank or battery.
7. Make sure the PTO shield is installed when using the rotary broom and always replace the PTO shield if damaged.
8. Park the tractor/rotary broom on level ground, place the transmission in neutral, set the parking brake, disengage the PTO, lower the rotary broom to the ground, place all levers including auxiliary control levers in neutral, shut off the engine and remove the ignition key BEFORE leaving the tractor.
9. Never park the tractor on a steep slope.
10. Do not attempt to operate on steep slopes. Avoid sudden uphill turns on steep slopes.
11. Handle fuel with care, as it is highly flammable.
12. Use approved fuel container.
13. Never add fuel to a running engine or a hot engine.
14. Fill fuel tank outdoors with extreme care. Never fill fuel tank indoors. Replace fuel cap securely and wipe up spilled fuel.
15. Never attempt to start the engine and/or engage rotary broom drive while standing beside the tractor.
16. Always start the engine from the operator's seat with all the transmission lever(s) and rotary broom drive lever in neutral.
17. DO NOT bypass the safety system by shorting across the terminals of the starter motor to start the engine. This may cause the tractor to move suddenly.
18. If the safety start system does not work, consult your dealer immediately.

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