

TRS21
Snowthrower
(Serial No. 110,001—)

John Deere Horicon Works
OMM114674 Issue G1
(Mark old manual OMM95310, Issue F0 for
machines up to Serial No. 109,999.)

LITHO IN U.S.A.
ENGLISH

Introduction

THANK YOU for purchasing a John Deere product.

READ THIS MANUAL carefully to learn how to operate and service your snowthrower correctly. Failure to do so could result in personal injury or equipment damage.

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your snowthrower and should remain with the snowthrower when you sell it.

MEASUREMENT IN THIS MANUALS are U.S. customary units and their metric equivalents.

RIGHT AND LEFT SIDES are determined by facing in the direction of forward travel.

WRITE SNOWTHROWER NUMBERS in the Specifications section. Accurately record the numbers to help trace the snowthrower if it is stolen. Your dealer also needs these numbers when you order parts. File the numbers in a safe place.

WARRANTY IS PROVIDED as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The warranty is explained on the warranty certificate which you should have received from your dealer.

This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.



M73193
-JUN-18MAY90

MX,IFC,114674 -19-13JUN91

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All information, illustrations and specifications in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.

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Safety

RECOGNIZE SAFETY INFORMATION

This is the safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.



DX,ALERT -19-04JUN90

T81389 -UN-07DEC88

UNDERSTAND SIGNAL WORDS

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards.

DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



DX,SIGNAL -19-04JUN90

TS187 -19-30SEP88

FOLLOW SAFETY INSTRUCTIONS

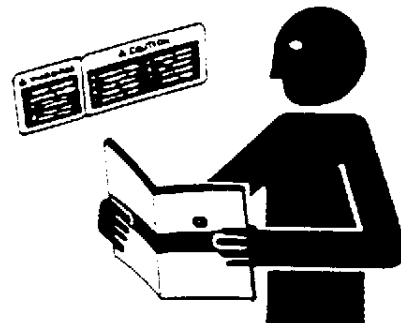
Carefully read all safety messages in this manual and on your snowthrower safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs.

Be sure new and repair parts have current safety signs. Replacement safety signs are available from your John Deere dealer.

Learn how to operate the snowthrower and how to use controls properly. Do not let anyone operate the snowthrower without instruction.

Keep your snowthrower in proper working condition. Unauthorized modifications to the snowthrower may impair the function and/or safety and affect snowthrower life.

If you do not understand any part of this manual and need help, contact your John Deere dealer.



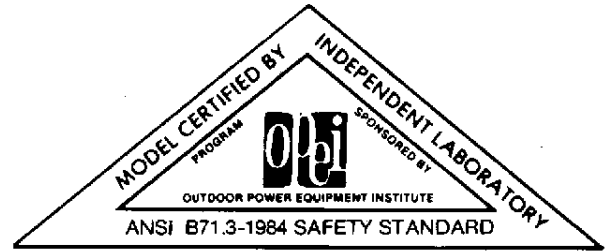
MX,SAEY,A -19-13JUN91

M73113 -UN-06DEC88



OPEI CERTIFICATION

This OPEI label on your snow thrower indicates that this model has been certified by an independent laboratory for compliance with American National Standard B-71.3-1984, "Safety Specifications" for Snowthrowers.



TS289
-19-07OCT88

DX.CERT2 -19-04JUN90

INSPECT THE SNOWTHROWER BEFORE YOU OPERATE IT

Check the hardware after each use. Keep it tight.

Replace missing parts.

Repair damaged or badly worn parts.

Guards and shields must be in good condition and fastened in place.

Make adjustments before you operate the snowthrower.

Keep the snowthrower clean.

MX,SAEY,B -19-13JUN91



THROWN OBJECTS ARE DANGEROUS

Before snow falls clear the work area of objects that could be thrown or damage the snowthrower: doormats, toys, wires, sticks, stones, etc.

Keep people and pets out of the work area. Keep children in the house when you are operating the snowthrower.

Wear eye protection when you operate the snowthrower.

Do not throw snow toward people, cars, or buildings.

BE EXTREMELY CAREFUL IF YOU MUST CLEAR SNOW FROM A GRAVEL SURFACE:

—During operation the auger turns 1400 times per minute (rpm). It can throw gravel—and other objects—with great force, and cause serious face, eye, or bodily injury.

—Keep the auger well above gravel.

—Be aware that the snowthrower may throw objects in the snow. Adjust the spout angle carefully to throw snow safely.



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MX,SAEY,C -19-13JUN91



OPERATE THE SNOWTHROWER SAFELY

Your snowthrower is designed for ADULTS ONLY to operate. Do not let children or untrained adults operate the snowthrower.

Do not run the engine in a building unless there is good ventilation.

Be sure of your footing, especially when you operate the snowthrower on a slope, or when you walk backwards with the snowthrower. Operate the snowthrower slowly on slippery surfaces.

If you hit an object, or run an object through the snowthrower, **STOP** the engine immediately. Inspect the snowthrower for damage.

Clear snow in daylight or good artificial light.

Operate safely on slopes:

- Do not clear snow across a slope.
- Be very careful when you change direction on a slope.
- Do not try to clear snow from a steep slope.

Do not use the snowthrower on surfaces above ground level, such as, a roof of a building.

Keep away from the edge of a ditch or bank.

Avoid holes, rocks, roots, etc.

Do not leave the snowthrower unattended with the engine running.

MX,SAEY,D -19-13JUN91

HANDLE FUEL SAFELY—AVOID FIRES

Handle fuel with care: it is highly flammable.

Do not refuel the snowthrower:

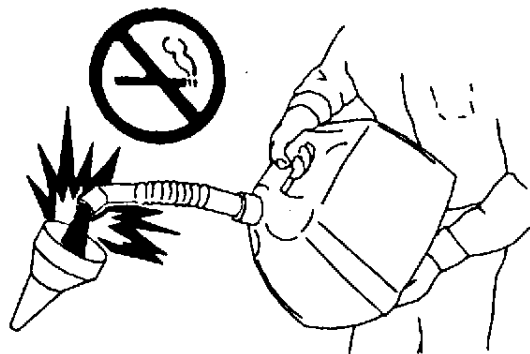
- While you smoke.
- When the snowthrower is near an open flame or sparks.
- When the engine is running. **STOP THE ENGINE.**

Fill the fuel tank outdoors.

Help prevent fires:

- Clean oil, grease, and dirt from the snowthrower.
- Clean up spilled fuel immediately.

Do not store the snowthrower with fuel in the tank in a building where fumes may reach an open flame or spark.



MT73115 -JUN-06MARR90

MX,SAEY,E -19-13JUN91

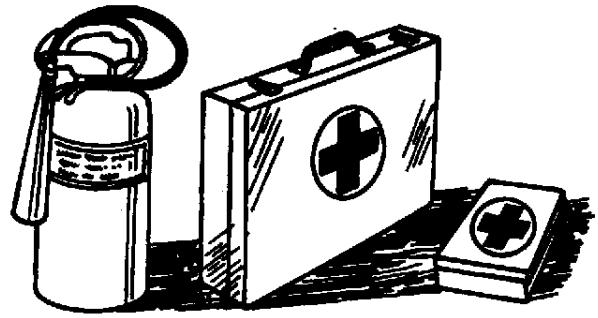


PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



DX,FIRE2 -19-04JUN90

TS291 -UN-23AUG88

WEAR THE RIGHT CLOTHING AND EQUIPMENT

Wear close-fitting clothing, adequate for cold weather protection.

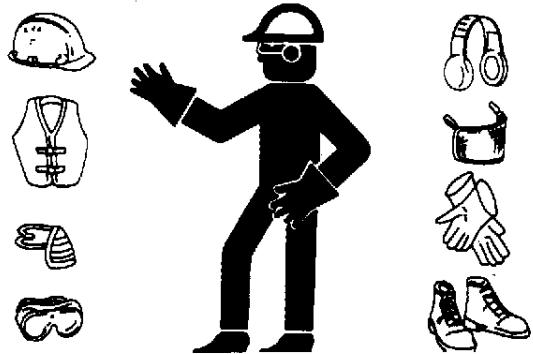
Wear shoes or boots that will help your footing on slippery surfaces.

Wear eye protection when you operate and service the snowthrower to help prevent injury from thrown objects.

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear earmuffs or earplugs to protect against loud noise.

Operating equipment requires the full attention of the operator. Do not wear radio or music headphones while you operate the snowthrower.



MX,SAEY,F -19-13JUN91

TS206 -UN-23AUG88



AVOID INJURY FROM MOVING PARTS

The auger turns more than 1400 times per minute, and could cause serious injury if it hits a hand or foot. Keep hands, feet, and clothing away from the auger and discharge chute when the auger is turning.

Before you unplug, inspect, or repair the snowthrower, **STOP THE ENGINE.**

Stop the auger:

- When you are moving the snowthrower between jobs.
- When you are not clearing snow.

Do not make adjustments while the engine is running unless the procedure is approved. If adjustments need to be made, **STOP THE ENGINE.**



M36022 -UN-29AUG88

MX,SAEY,G -19-13JUN91

SERVICE THE SNOWTHROWER SAFELY

Keep the work area floor clean and dry.

Understand a service procedure before you do the work.

Help prevent injury from moving parts during service:

- Do not lubricate or service the snowthrower while parts are moving.
- Keep hands, feet, and clothing away from power-driven parts.
- Disengage power. **STOP** the engine. Remove the key. Let the engine cool.

Safely support parts of snowthrower that must be raised for service.

Keep all parts in good condition and properly installed:

- Fix damage immediately.
- Replace worn or broken parts.
- Remove grease, oil, or dirt from parts.



T5216 -UN-23AUG88

MX,SAEY,H -19-13JUN91



READ THE SAFETY SIGNS

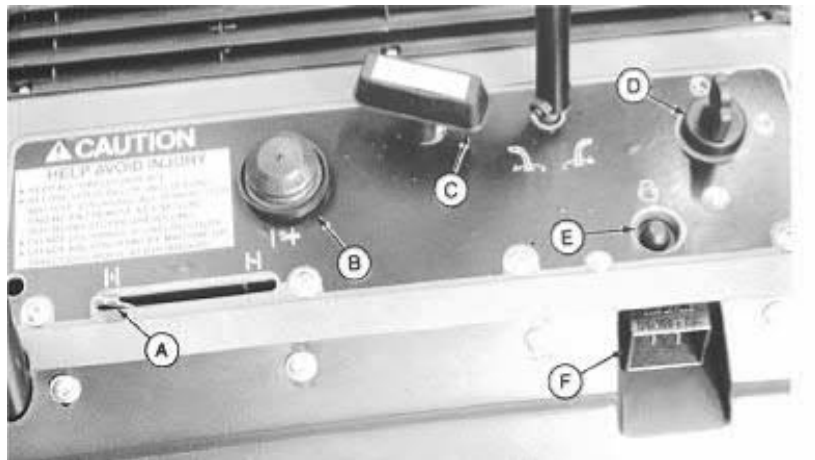


MS2741 -19-12DEC89

MX,SAEY,I -19-13JUN91

Controls

CONTROL PANEL



M73198 -UN-15MAY91

- A—Choke Lever
- B—Primer Bulb
- C—Starter Handle

- D—Key Switch
- E—Starter Button for Electric Start Model
- F—Power Cord Receptacle for Electric Start Model

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SPOUT CONTROL

- A—Spout Control Knob



M62745 -UN-12DEC89

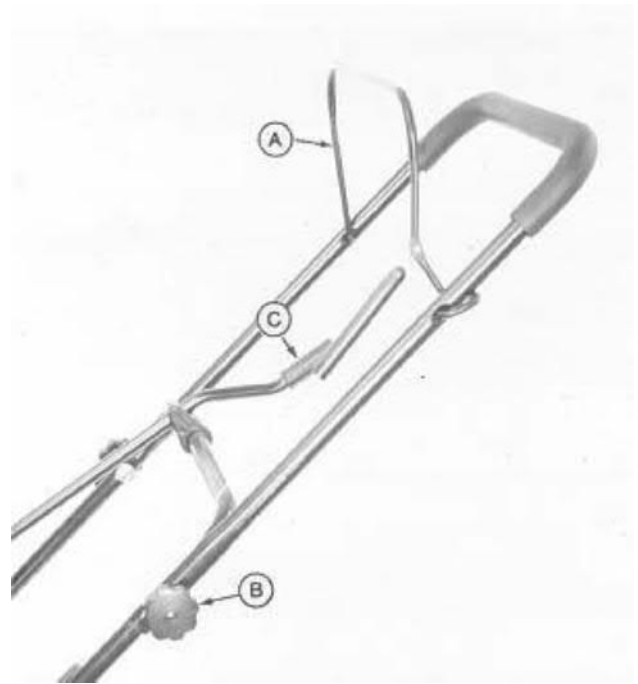
MX,CTEY,B -19-13JUN91

HANDLE CONTROLS

A—Auger Bail

B—Handle Knobs

C—Chute Crank Handle



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MX,CTEY,C -19-13JUN91



Suggest:

If the above button click is invalid.

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first, and then click the above link

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Operating the Snowthrower

AVOID DAMAGING THE PLASTIC

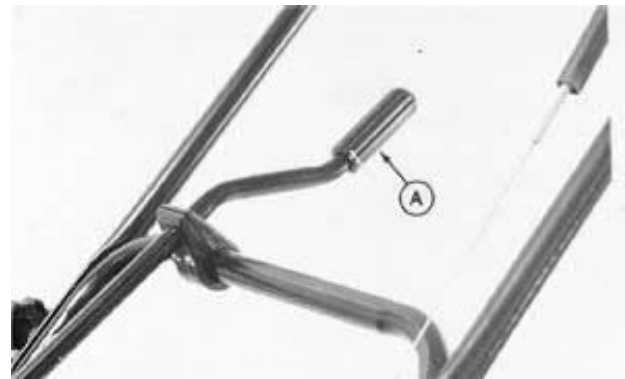
IMPORTANT: Be careful not to spill fuel on the snowthrower: The fuel may damage the plastic. Wipe up spilled fuel immediately.

MX,OPEY,A -19-13JUN91

ADJUSTING THE CHUTE

Turn the crank (A) to throw snow in the desired direction.

The chute will turn 90° to the left or right.



IM73195 -UN-18MAY90

MX,OPEY,B -19-13JUN91

ADJUSTING THE SPOUT

⚠ CAUTION: Do not adjust the spout while the auger is **ENGAGED**.

1. Loosen the knob (A).
2. Move the spout to the desired position.
3. Tighten the knob.



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