

TRS27 and TRS32 Walk-Behind Snowblowers

(Serial No. 110,001—)

John Deere Horicon Works
OMM114676 Issue H1
(This manual replaces OMM114676, Issue G1.)

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 snowblower correctly. Failure to do so could result in personal injury or equipment damage.

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

MEASUREMENTS in this manual are U.S. customary units and their metric equivalents.

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

WRITE THE SNOWBLOWER NUMBERS in the Specifications section. Accurately record all the numbers to help trace the snowblower 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.

TIRE WARRANTY—The John Deere warranty applies to tires available through the John Deere parts system. For tires not available through the John Deere parts system, the tire manufacturer's warranty for your machine may not apply outside the U.S. See your John Deere dealer for specific information.



TRS27 Snowblower

M73529
-JUN-17JUL91

MX,IFC,114676 -19-22JUL91

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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-07DEC68

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

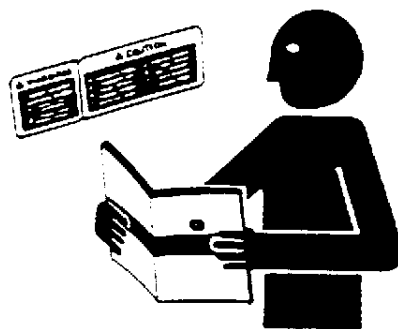
Carefully read all safety messages in this manual and on your snowblower safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs. Be sure new and repair parts include the current safety signs. Replacement safety signs are available from your John Deere dealer.

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

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

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



M773113 -UN-06DEC89

MX,SAEL,A -19-22JUL91

INSPECT SNOWBLOWER BEFORE YOU USE IT

Check hardware. Keep it tight.

Keep snowblower clean.

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.

MX,SAEL,B -19-22JUL91



PROTECT FROM THROWN OBJECTS

Before snow falls clear work area of objects that might be picked up and thrown by snowblower.

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

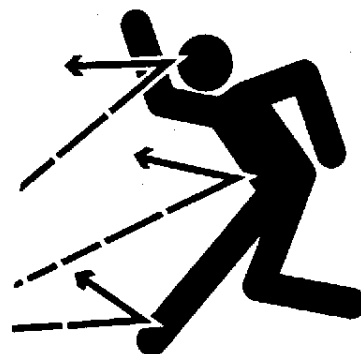
Do not blow snow toward people, cars, or buildings.

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

—During operation the blower turns 1320 times per minute (rpm). It can throw gravel—or other objects—with great force, and cause serious face, eye, or bodily injury.

—Adjust skids lower so scraper blade is well above gravel.

—Be aware that snowblower may pick up gravel in snow. Adjust spout angle carefully to blow this snow safely.



M41423 -UN-30AUG88

MX,SAEL,C -19-22JUL91

OPERATE SAFELY

Do not let children or untrained persons operate snowblower.

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

Be sure of footing. Operate slowly on slippery surfaces.

Avoid sudden starts and stops.

If you hit an object, or run an object through snowblower, stop engine immediately. Inspect snowblower for damage.

Blow 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 snowblower on surfaces above ground level, such as, a roof of a building.

Keep away from edge of a ditch or bank.

Avoid holes, rocks, roots, etc.

Be very careful of your footing when you back the snowblower.

Do not leave snowblower unattended with engine running.

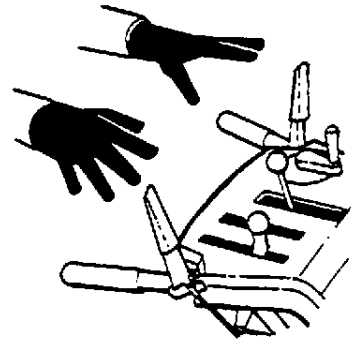
MX,SAEL,D -19-22JUL91



EMERGENCY STOP

Release levers:

- Snowblower will stop.
- Auger will stop.
- Engine will NOT STOP.



MX,SAEL,E -19-22JUL91

M62680 -UN-10AUG89

HANDLE FUEL SAFELY—AVOID FIRES

Handle fuel with care: it is highly flammable.

Do not refuel the snowblower:

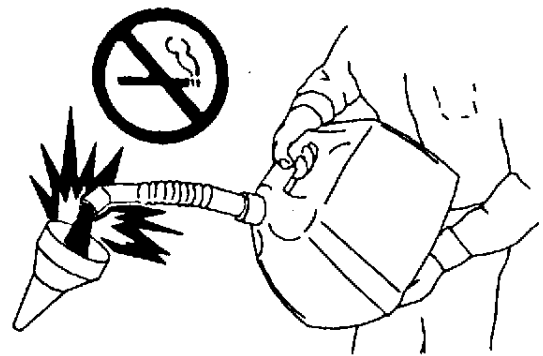
- While you smoke.
- When the snowblower is near open flame or sparks.
- When the engine is running. STOP ENGINE.

Fill fuel tank outdoors.

Help prevent fires:

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

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



MX,SAEL,F -19-22JUL91

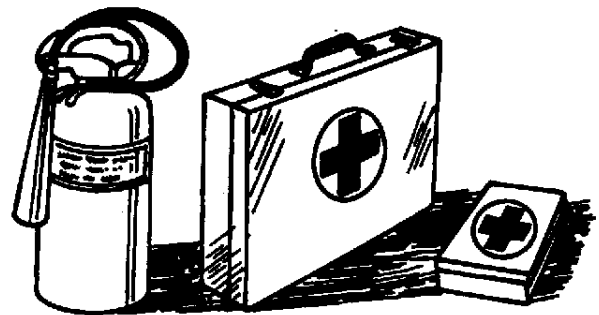
M73115 -UN-09MAR90

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

T5291 -UN-23AUG88



WEAR PROTECTIVE CLOTHING

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

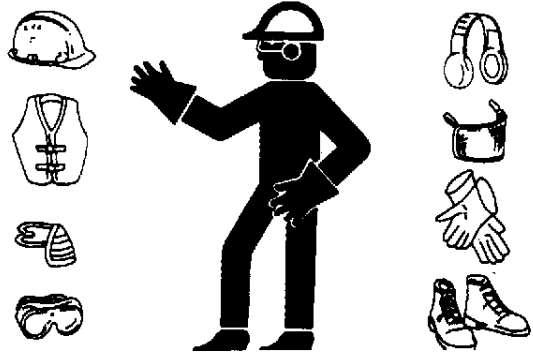
Wear footwear that will help footing on slippery surfaces.

Wear eye protection when you operate and service snowblower 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 safely requires the full attention of the operator. Do not wear radio or music headphones while you operate the snowblower.



TS206 -UN-23AUG68

MX,SAEL,G -19-22JUL91

AVOID INJURY FROM MOVING PARTS

During operation the blower turns 1320 times per minute (rpm), and can cut off fingers or a hand in an instant. Keep hands, feet, and clothing away from discharge chute and auger.

Before you unplug, inspect, or repair snowblower, STOP ENGINE.

Stop auger:

- When you are driving between jobs.
- When you are not blowing snow.

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



M36022 -UN-29AUG88

MX,SAEL,H -19-22JUL91



SERVICE SNOWBLOWER SAFELY

Keep work area floor clean and dry.

Understand service procedure before you do the work.

Help prevent injury from moving parts during service:

- Do not lubricate or service machine while parts are moving.
- Keep hands, feet, and clothing from power-driven parts.
- Disengage power. Stop engine. Remove key. Let engine cool.

Safely support parts of snowblower 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.



MX,SAEL,I -19-22JUL91

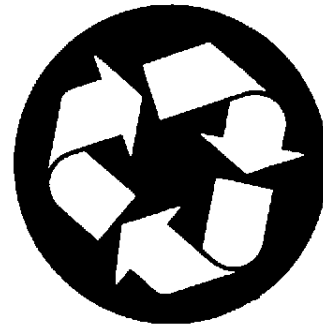
TS218 -UN-23AUG88

DISPOSE OF WASTE PROPERLY

Waste products, such as, used oil, fuel, coolant, brake fluid, filters, and batteries, can harm the environment and people.

Call your local Recycling Center or John Deere dealer to learn how to recycle waste products, or how to dispose of them properly.

Use proper containers when you drain waste fluids. Do not use beverage containers that may mislead someone into drinking from them.



MX,SABV,J -19-25MAR91

M73469 -UN-24JAN91



READ SAFETY SIGNS

⚠ CAUTION
HELP AVOID INJURY

- KEEP ALL SHIELDS IN PLACE
- BEFORE SERVICING OR UNCLOGGING MACHINE: DISENGAGE ALL POWER; STOP ENGINE AND REMOVE KEY. BE SURE ROTOR HAS STOPPED REVOLVING
- DO NOT USE HANDS TO UNCLOG CHUTE
- DO NOT WALK IN FRONT OF MACHINE OR DIRECT DISCHARGE AT BYSTANDERS

S

⚠ DANGER

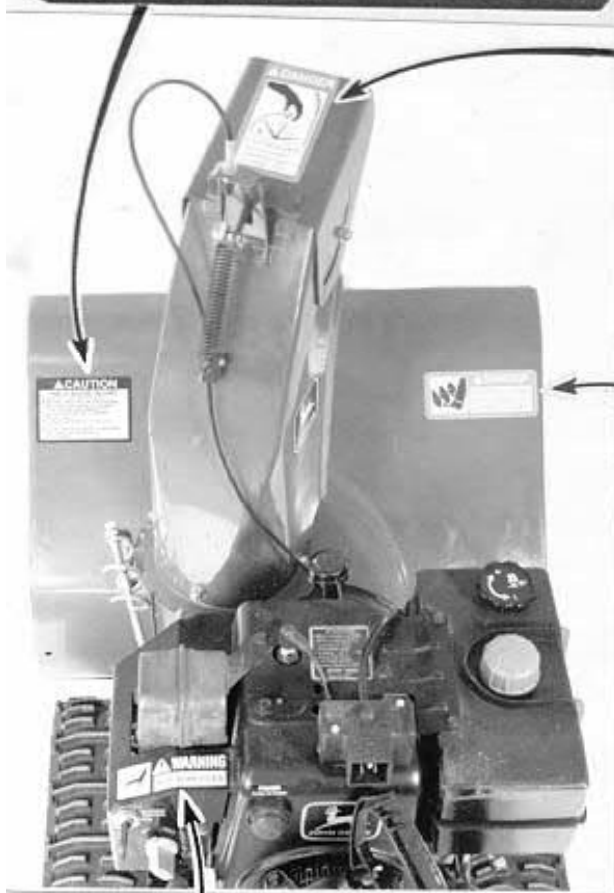


ROTATING BLOWER
Shut off engine
before unclogging
discharge chute

⚠ DANGER



ROTATING AUGER
Keep hands, feet
and clothing away



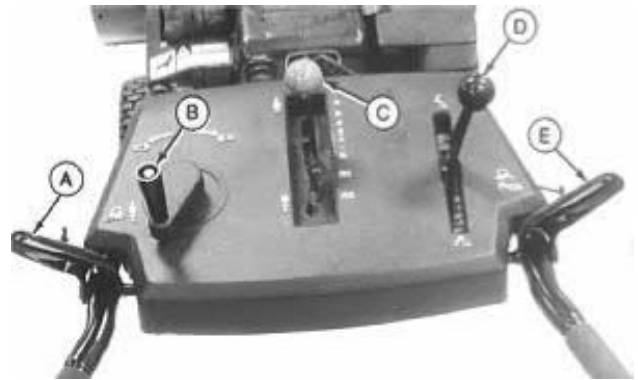
 **⚠ WARNING**
HOT SURFACES

S

Controls

SNOWBLOWER CONTROLS

- A—Traction Drive Control Lever
- B—Chute Crank
- C—Speed Selector Lever
- D—Spout Control Lever
- E—Auger Drive Control Lever



MX,CTEZ,A -19-22JUL91

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ENGINE CONTROLS

- A—Key Switch
- B—Choke Control Knob
- C—Throttle Lever
- D—Primer Button



MX,CTEZ,B -19-22JUL91

M73524 -UN-16JUL91

*NOTE: Electric start models also have an electric start button. Electric starting is optional. See **ELECTRIC STARTING** in *Operating the Engine* section.*

- A—Starter Handle
- B—Fuel Shutoff Knob



MX,CTEZ,C -19-22JUL91

M73530 -UN-16JUL91

Operating the Engine

STARTING ENGINE

CAUTION: Do not start engine in building unless ventilation is good.

1. Turn fuel shutoff knob (A) counterclockwise all the way to OPEN position.

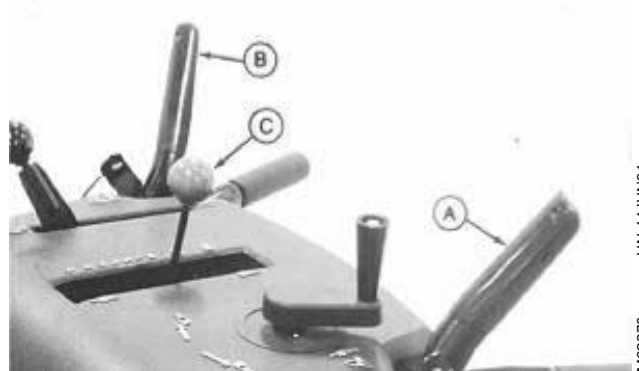


MX,OOEZA -19-22JUL91

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-UN-16JUL91

2. Traction drive control lever (A) and auger drive control lever (B) must be DISENGAGED as shown.

3. Put speed selector lever (C) in NEUTRAL as shown.



MX,OOEZB -19-22JUL91

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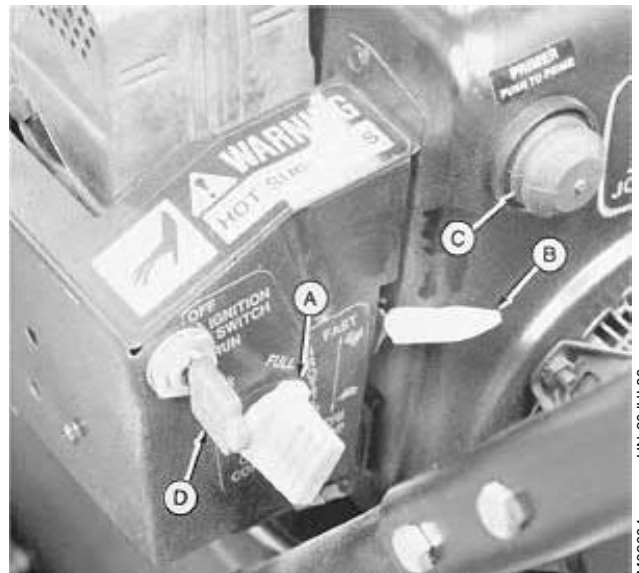
4. Choke control:
—For cold engine, turn knob (A) to FULL position.
—For warm engine, leave knob in OFF position.

5. Move throttle lever (B) to FAST position.

6. Primer button (C):
—For cold engine, push button two or three times.
—If air temperature is below 10°F (—12°C), push button five times.
—If engine is warm, push button once.

7. Turn key (D) to RUN.

8. Use starter correctly:
—Pull starter handle until you feel resistance.
—Then pull fast and steady.
—Do not let handle snap back.
—Repeat until engine starts.



MX,OOEZC -19-22JUL91

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-UN-20JUL89

AFTER STARTING

1. Turn choke knob to OFF.
2. Warm engine briefly at HALF-THROTTLE.

MX, OEEZ, D -19-22JUL91

ELECTRIC STARTING—OPTIONAL EQUIPMENT

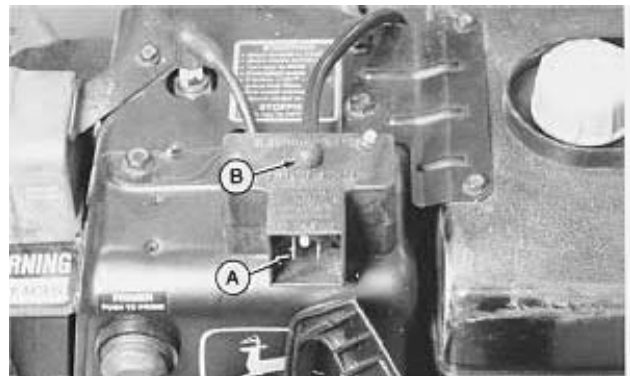
⚠ CAUTION: If your house wiring system is not a three-wire grounded system, **DO NOT** connect the electric starter to it under any condition. Use only a grounded (three-prong) cord to connect switch box to electrical power. Connect cord to switch box **FIRST**, then to your electrical outlet.

IMPORTANT: The house circuit you use should be protected by a 20-amp fuse. A smaller fuse may burn out when you use the electric starter. A larger fuse may burn out the snowblower starter motor if starter components bind or fail.

1. Follow steps 1—7 in STARTING ENGINE procedure.
2. Connect power cord to engine switch box (A).
3. Plug other end of cord into three-hole, grounded 120-volt A.C. receptacle.

NOTE: The electric starter motor will shut off automatically if it overheats from cranking the engine. After the motor cools, it will operate again.

4. Push starter button (B) to start engine.



IM62331 -UN-31MAY89

MX, OEEZ, E -19-22JUL91



Suggest:

If the above button click is invalid.

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first, and then click the above link

to download the complete manual.

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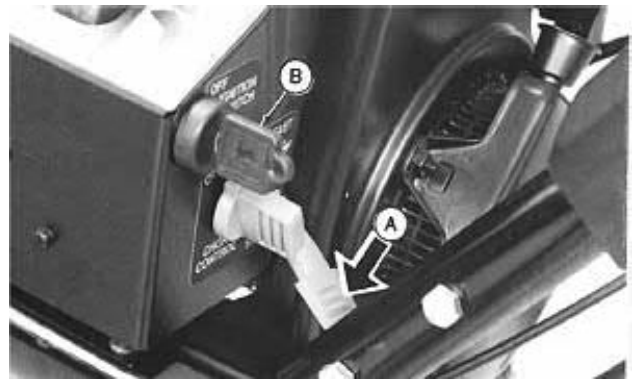
AFTER ELECTRIC STARTING

1. Turn choke knob to OFF.
2. Disconnect cord from house circuit FIRST. Then disconnect cord from switch box.
3. Warm engine briefly at HALF-THROTTLE.

MX, OEEZ, F -19-22JUL91

STOPPING ENGINE

1. Push throttle lever (A) down to STOP.
2. Turn key (B) to OFF. Remove key.
3. Turn fuel shutoff knob clockwise—until it is snug—to CLOSED position.



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-UN-16JUL91

MX, OEEZ, G -19-22JUL91

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