

# **TRS27 and TRS32 Walk-Behind Snowblowers**

(Serial No. 010,001— )

**John Deere Horicon Works**  
**OMM79631 Issue J9**  
**(This manual replaces OMM79631, Issue H9.)**

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

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

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

RIGHT-HAND AND LEFT-HAND sides are determined by facing in the direction of forward travel.

WRITE PRODUCT IDENTIFICATION NUMBERS in the Specifications section. Accurately record all the numbers to help in tracing the machine should it be stolen. Your dealer also needs these numbers when you order parts. File the identification numbers in a secure 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.

THE TIRE MANUFACTURER'S warranty supplied with your machine may not apply outside the U.S.



TRS27 Snowblower

M62678 -UN-10AUG89

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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.*

OMM79631 J9-19-12DEC89

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A John Deere ILLUSTRATION™ Manual

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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.



O53,ALERT -19-16JUN87

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.

Safety signs with signal word DANGER or WARNING are typically near specific hazards.

General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



O53,SIGNAL -19-07OCT85

-19-30SEP88

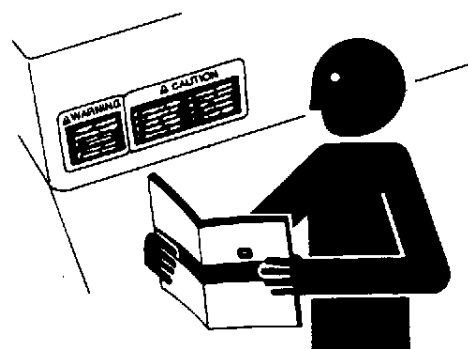
TS187

## FOLLOW SAFETY INSTRUCTIONS

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

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

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



O53,READ -19-23APR87

-UN-23AUG88

TS201



## INSPECT SNOWBLOWER REGULARLY

Check hardware often. 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,A -19-24APR89

## PROTECT FROM THROWN OBJECTS

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

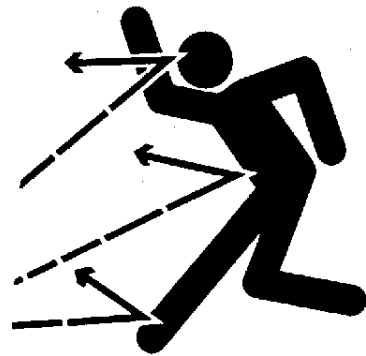
Keep people and pets out of work area.

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

Be extremely careful if you must clear snow from a gravel path:

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

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



IM41423 -UN-30AUG88

MX,SAEL,B -19-24APR89



## 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.

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.

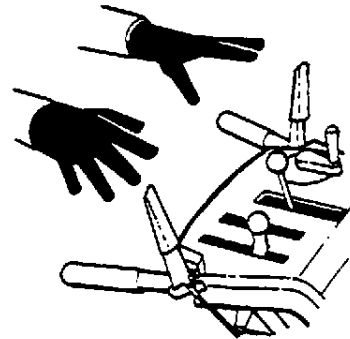
Do not leave snowblower unattended with engine running.

MX,SAEL,C -19-24APR89

## EMERGENCY STOP

Release levers:

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



MX,SAEZ,A -19-04AUG89

IM62680 -UN-10AUG89

## HANDLE FUEL SAFELY—AVOID FIRES

Handle fuel with care: it is highly flammable. Do not refuel the machine while smoking or when near open flame or sparks.

Always stop engine before refueling machine. Fill fuel tank outdoors.

Prevent fires by keeping machine clean of accumulated trash, grease, and debris. Always clean up spilled fuel.



O53,FIRE1 -19-23APR87

T5202 -UN-23AUG88

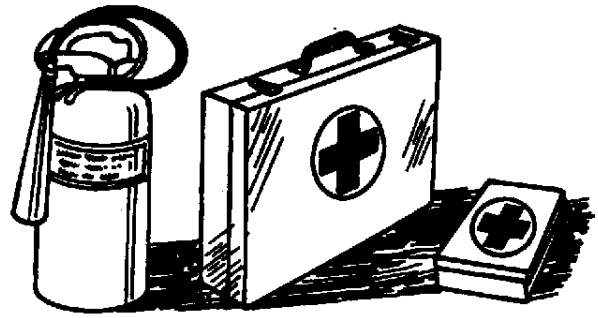


## PREPARE FOR EMERGENCIES

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.



O53,FIRE2 -19-03MAR88

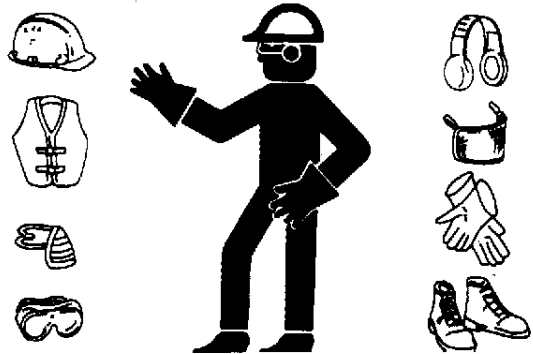
TS291 -UN-23AUG88

## WEAR PROTECTIVE CLOTHING

Wear close fitting clothing and safety equipment appropriate to the job.

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 loud noises.



O53,WEAR -19-23APR87

TS206 -UN-23AUG88

## AVOID INJURY FROM MOVING PARTS

Keep hands, feet, and clothing away from snowblower and discharge chute when auger is turning.

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

Stop auger when you are driving between jobs or when you are not blowing snow.

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



MX,SAEL,E -19-24APR89

M36022 -UN-29AUG88



## PRACTICE SAFE MAINTENANCE

Understand service procedure before doing work. Keep area clean and dry.

Never lubricate or service machine while it is moving. Keep hands, feet, and clothing from power-driven parts. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground. Stop the engine. Remove the key. Allow machine to cool.

Securely support any machine elements that must be raised for service work.

Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.

Disconnect battery ground cable (-) before making adjustments on electrical systems or welding on machine.



O53\_SERV -19-21DEC87

TS218 -UN-23AUG88



## 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**

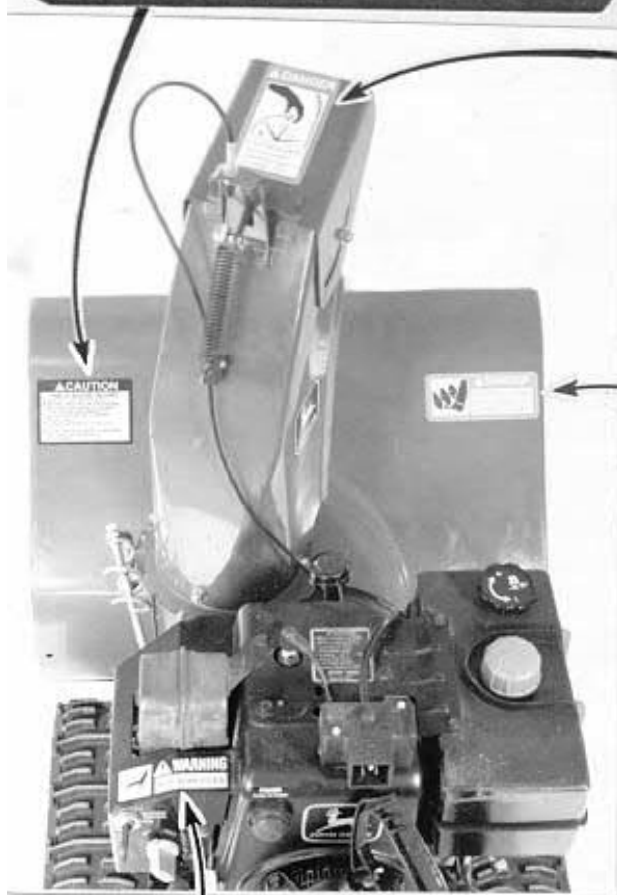


**ROTATING BLOWER**  
Shut off engine  
before unclogging  
discharge chute

**⚠ DANGER**



**ROTATING AUGER**  
Keep hands, feet  
and clothing away



**⚠ WARNING**  
**HOT SURFACES**



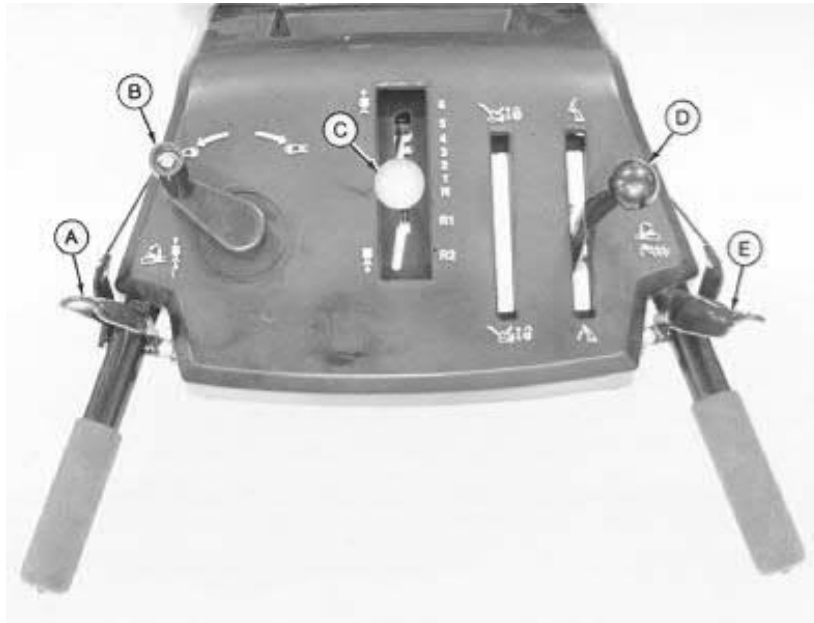
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M62328 -19-25JUL89

MX,SAEL,F -19-24APR89

# Controls

## SNOWBLOWER CONTROLS



M62681 -UN-10AUG89

A—Traction Drive Control Lever

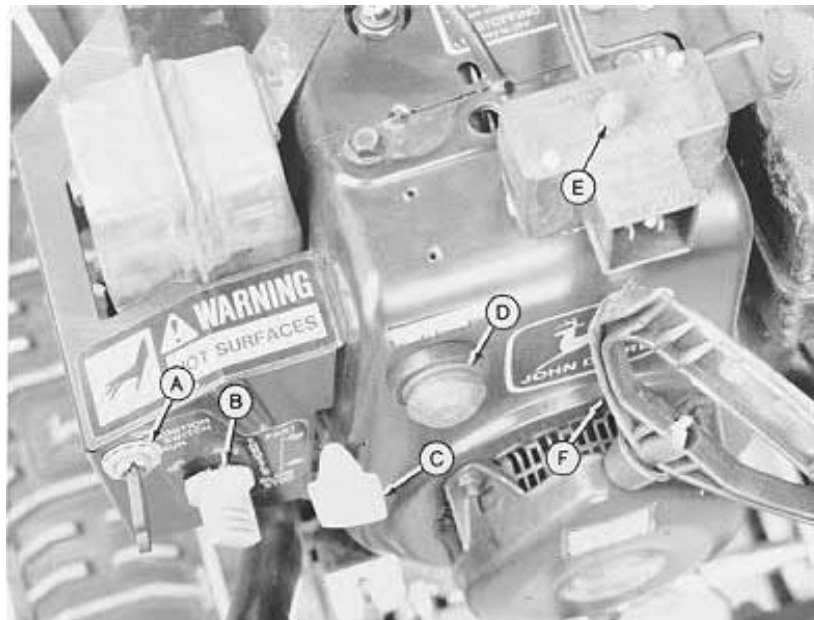
B—Chute Crank  
C—Speed Selector Lever

D—Spout Control Lever

E—Auger Drive Control Lever

MX,CTEZ,A -19-04AUG89

## ENGINE CONTROLS



M62330 -UN-31MAY89

A—Key Switch  
B—Choke Control Knob

C—Throttle Lever  
D—Primer Button

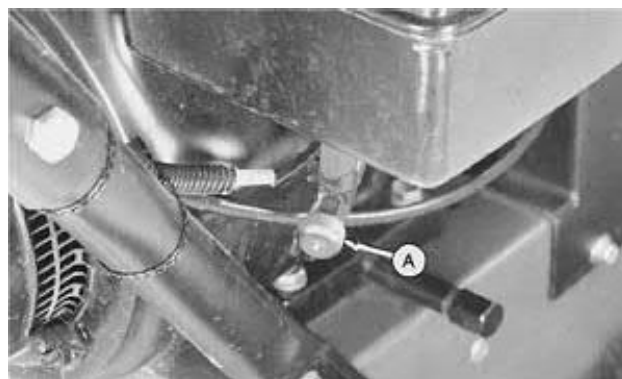
E—Electric Starter Button  
(optional)

F—Starter Handle

MX,CTEL,B -19-24APR89

Controls

A—Fuel Shutoff Knob



MX,CTEL,C -19-25APR89

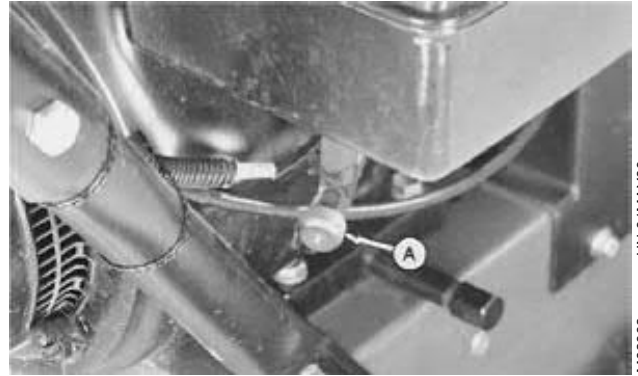
M62332 -UN-31MAY89

# 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,OEEL,A -19-25APR89

M62332 -UN-31MAY89



M62682 -UN-10AUG89

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,OEEL,A -19-04AUG89



**Suggest:**

**If the above button click is invalid.**

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## Operating the Engine

### 4. Choke control:

- For cold engine, turn knob (A) to FULL position.
- For warm engine, leave knob in OFF position.

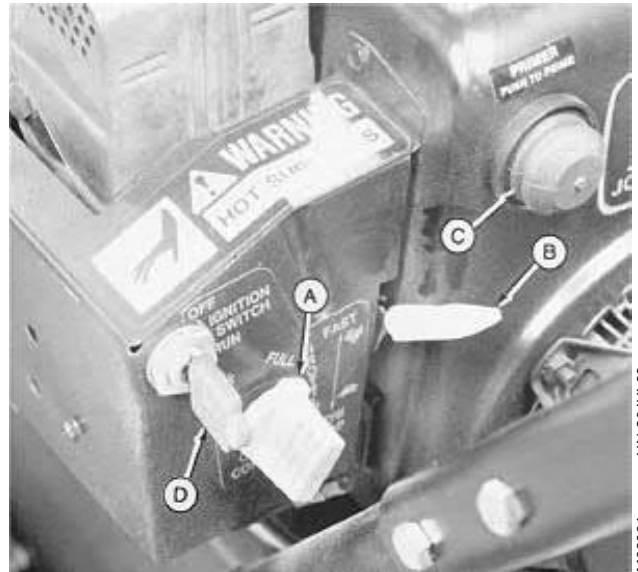
### 5. Move throttle lever (B) to FAST position.

### 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. Pull starter handle until you feel resistance. Then pull fast and steady. Do not let handle snap back. Repeat until engine starts.



MX,OEEL,C -19-25APR89

## AFTER STARTING

1. Turn choke knob to OFF.
2. Warm engine 2 minutes at half-throttle.

MX,OEEL,D -19-25APR89

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