

862B SCRAPER (SERIAL NO. 735855-)



JOHN DEERE

OPERATORS MANUAL 862B SCRAPER (SERIAL NO. 735855-)

OMT134623 D0 English

**JOHN DEERE DUBUQUE WORKS
OMT134623 D0**

LITHO IN THE U.S.A.
ENGLISH



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.



THIS MACHINE IS OF METRIC design. Measurements in this manual are metric with the customary U.S. measurement following. Use only metric hardware and tools as specified.

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

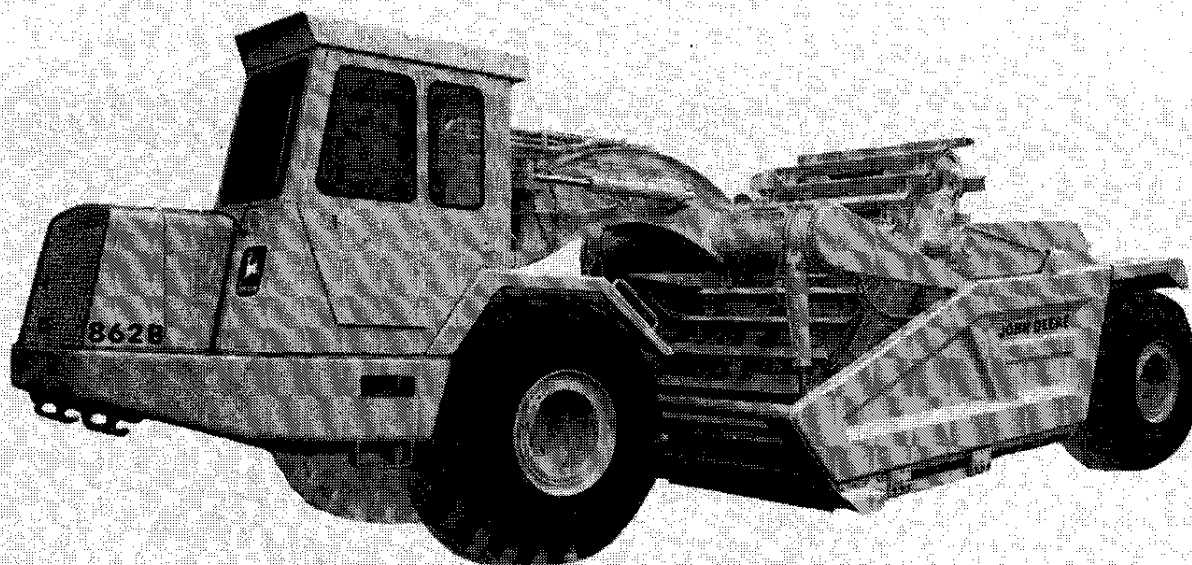
WRITE PRODUCT IDENTIFICATION NUMBERS in the Machine Numbers section. Accurately record all the numbers to help in tracing the machine should it be stolen. Your dealer also needs these numbers when you order parts. If this manual is kept on the

machine, also file the identification numbers in a secure place off the machine.

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.



T6213AUB -UN-02NOV88

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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.



O53,ALERT -19-26JAN90

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.

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 -19-26JAN90

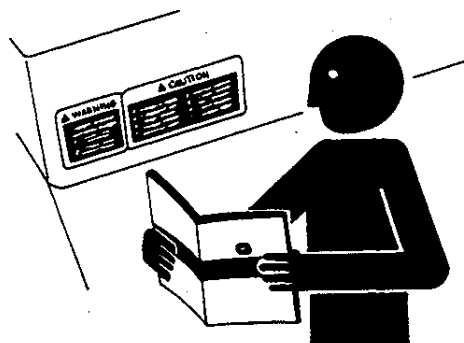
TS187 -19-30SEP88

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 -19-26JAN90

TS201 -UN-28AUG88



AVOID INJURY FROM ROLLOVER ACCIDENTS

WEAR YOUR SEAT BELT

DO NOT ATTEMPT TO JUMP CLEAR OF TIPPING MACHINE--SERIOUS OR FATAL CRUSHING INJURIES WILL RESULT

MACHINE WILL TIP OVER FASTER THAN YOU CAN JUMP FREE

To avoid rollovers:

Be careful when operating on a slope.

Avoid sharp turns.

Balance loads so weight is evenly distributed and load is stable.

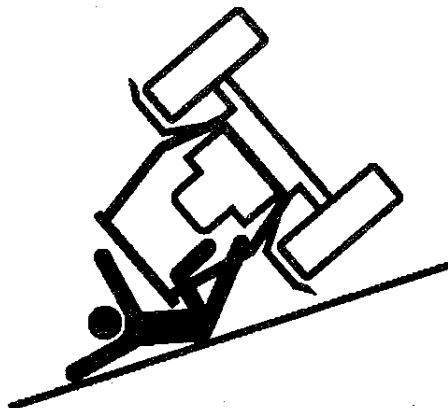
Carry tools and loads close to the ground to aid visibility and lower center of gravity.

Reduce speed before turning or swinging load.

Know capacity of machine. Do not overload.

Be careful when operating at the edge of an excavation, trench, or drop-off, and loading or unloading from a trailer.

Read and understand the operating instructions in the operator's manual.



**USE
SEAT
BELT**

T7242EA -19-22FEB90

TX,05,RR,490 -19-14MAR90



AVOID INJURY FROM BACKOVER ACCIDENTS

BEFORE MOVING MACHINE, BE SURE ALL PERSONS ARE CLEAR OF AREA

ALWAYS BE ALERT FOR BYSTANDERS MOVING INTO THE WORK AREA. USE HORN OR OTHER SIGNAL TO WARN BYSTANDERS BEFORE MOVING MACHINE

WHEN USING A SIGNAL PERSON, KEEP PERSON IN VIEW AT ALL TIMES, BE SURE SIGNAL PERSON IS CLEAR BEFORE BACKING UP



To avoid backover accidents:

Always look around before you back up, Be sure that everyone is in the clear.

Keep bystanders away from pivot area of an articulated machine.

Keep reverse warning alarm in working condition--if equipped.

Use a signal person when backing up if view is obstructed.

Always keep signal person in view.

Learn the meaning of all flags, signs, and markings used on the job and who has the responsibility for signaling.

Keep windows, mirrors, and lights clean and in good condition.

Dust, heavy rain, fog, etc., can reduce visibility. As visibility decreases, reduce speed and use proper lighting.

Read and understand the operating instructions in this operator's manual.

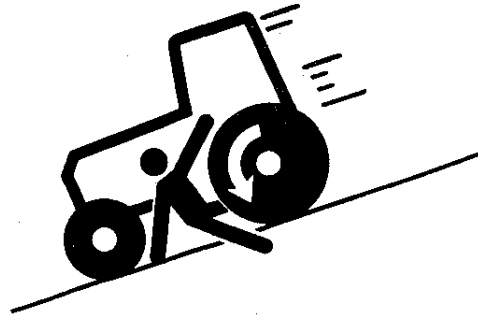
T7241AY -UN-2/FEB90



AVOID INJURY FROM ROLLAWAY ACCIDENTS

TO PREVENT ROLLAWAY, ALWAYS MAKE SURE MACHINE IS PROPERLY SECURED BEFORE LEAVING OPERATOR'S SEAT

DEATH OR SERIOUS INJURY MAY RESULT IF YOU ATTEMPT TO MOUNT OR STOP A MOVING MACHINE



T7241AZ -UN-21FEB90

To avoid rollaways:

Select level ground when possible to park machine.

Put in park or set park brake and place transmission controls in neutral and lock.

Lower all equipment to ground.

Stop the engine.

Block all wheels if you must park on a grade, position machine to prevent rolling.

Park a reasonable distance from other machines.

Read and understand the operating instructions in this operator's manual.

TX,05,RR,492 -19-14MAR90

INSPECT MACHINE

Inspect your machine carefully each day by walking around it before you start it. (See Pre-Start Inspection Chapter.)



T6607AQ -UN-18OCT86

T82,BHSA,CL -19-14MAR90



USE HANDHOLDS AND STEPS

Falling is one of the major causes of personal injury.

When you get on and off the machine, always maintain a three point contact with the steps and handrails and face the machine. Do not use the steering wheel or any controls as handholds.

Never jump either on or off the machine. Never mount or dismount a moving machine.

Be careful of slippery conditions on platforms, steps, and handrails when leaving the machine.



T8981AN -UN-15JUN89

02T_05,J30 -19-22FEB90

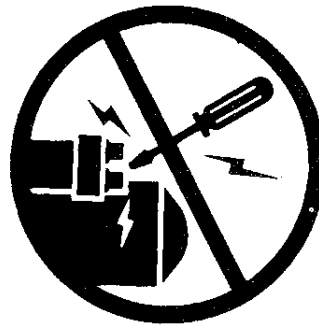
PREVENT MACHINE RUNAWAY

Avoid possible injury or death from machinery runaway.

Do not start engine by shorting across starter terminals. Machine will start in gear if normal circuitry is bypassed.

Before starting engine, move transmission gear shift lever to neutral. Move bowl, eject, and elevator levers to neutral. On 862B, move axle suspension lever (if equipped) to locked down position. Engage park brake. NEVER start engine while standing on ground. Start engine only from operator's seat.

Do not leave operator's station while engine is running.



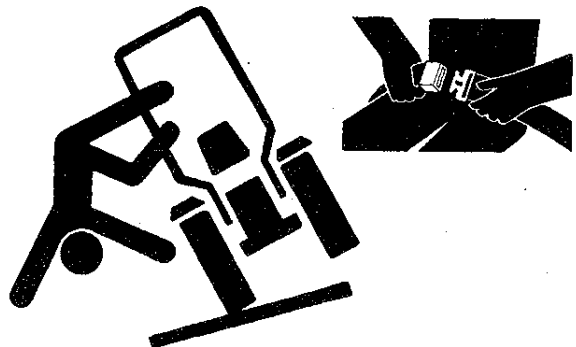
TS177 -UN-11JAN89

02T_05,C29 -19-15JUL86

USE SEAT BELT PROPERLY

Use a seat belt when you operate with a roll-over protective structure (ROPS) to minimize chance of injury from an accident such as an overturn.

Do not use a seat belt if operating without a ROPS.



TS205 -UN-29AUG88

O53,ROPS1 -19-26JAN90



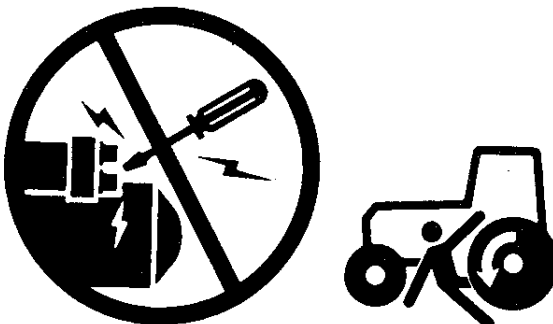
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Do not leave operator's station while engine is running.



02T,05,C29 -19-15JUL86

TS177 -UN-11JAN89

OPERATE SCRAPER SAFELY

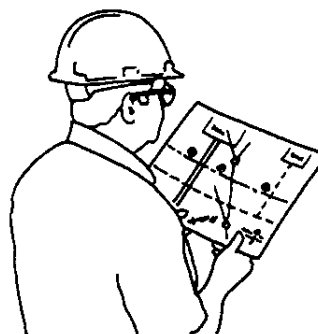
Check the location of cables, gas lines, and water mains before digging.

Keep haul roads smooth and the work area as level as possible.

Slow down before turning, and be sure the path ahead is clear. Do not turn when bowl is in ground.

When cutting or filling on a bank, keep center of bank lower than the sides to keep from tipping the scraper.

Clear all persons from area of operation and machine movement.

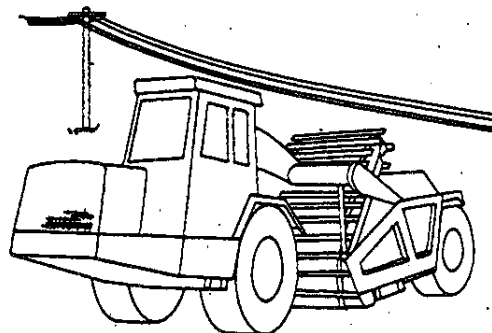


02T,05,C30 -19-26MAR90

T6133AJ -UN-31MAY89

AVOID POWER LINES

Keep away from power lines. Serious injury or death may result. Never move any part of the machine or load closer to power line than 10 ft (3 m) plus twice the line insulator length.



02T,05,C31 -19-26MAR90

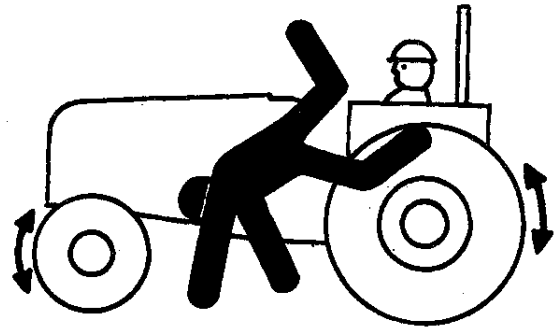
T6275AK -UN-25MAY89



KEEP RIDERS OFF MACHINE

Only allow the operator on the machine. Keep riders off.

Riders on machine are subject to injury such as being struck by foreign objects and being thrown off of the machine. Riders also obstruct the operator's view resulting in the machine being operated in an unsafe manner.



O53, RIDER -19-26JAN90

TS290
-JUN-23AUG88

DRIVE SCRAPER SAFELY

Drive carefully:

- Where room is limited
- Over rough surfaces
- On curves and hillsides

When driving a loaded scraper on a steep hillside:

- Drive slowly
- Watch for load shifting so you do not tip
- Keep scraper in gear
- Use brakes to keep engine speed under 2500 rpm

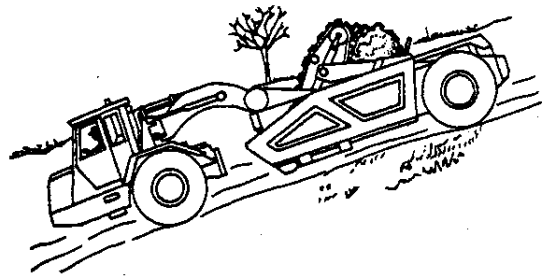
Use accessory lights and safety devices to warn operators of other vehicles.

Where flashing lights are prohibited, disconnect warning light flasher. If required, equip your machine with a slow moving vehicle emblem.

Keep bowl as low as ground condition will allow when hauling a load. Make sure your path ahead is clear.

Do not coast.

Do not haul more than safe limits of your machine—40,000 lb (18 140 kg)



02T, 05, C32 -19-28MAR90

T6275AL
-JUN-02NOV88



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 -19-26JAN90

-UN-23AUG88

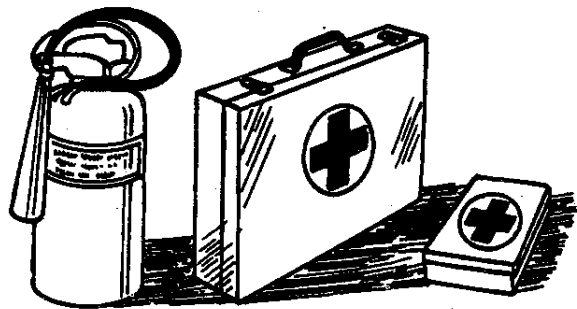
TS202

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 -19-26JAN90

-UN-23AUG88

TS291

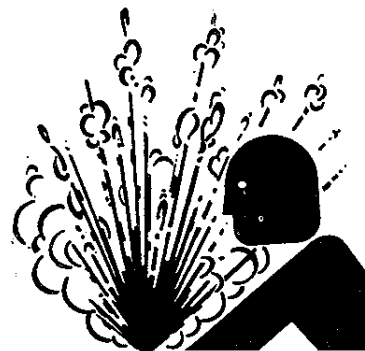
HANDLE STARTING FLUID SAFELY

Starting fluid is highly flammable.

Keep all sparks and flame away when using it. Keep starting fluid away from batteries and cables.

To prevent accidental discharge when storing the pressurized can, keep the cap on the container, and store in a cool, protected location.

Do not incinerate or puncture a starting fluid container.



02T,05,M38 -19-22FEB90

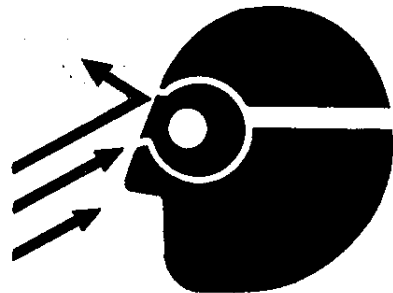
-UN-18OCT88

T646AV



PROTECT AGAINST FLYING DEBRIS

When you drive connecting pins in or out, guard against injury from flying pieces of metal or debris; wear goggles or safety glasses.



02T,05,J25 -19-22FEB90

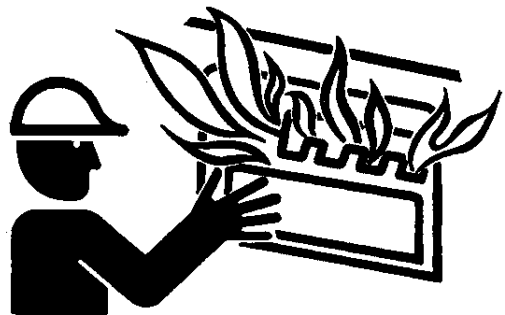
T664DK -JUN-18OCT88

CLEAN TRASH FROM MACHINE

Keep engine compartment, radiator, batteries, hydraulic lines, fuel tank, and operator's station clean.

Temperature in engine compartment may go up immediately after engine is stopped. BE ON GUARD FOR FIRES DURING THIS PERIOD.

Open access door(s) to cool the engine faster, and clean engine compartment.

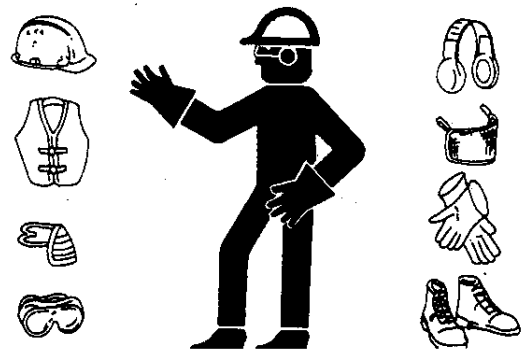


02T,05,J33 -19-14MAR90

T6669AG -JUN-18OCT88

WEAR PROTECTIVE CLOTHING

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



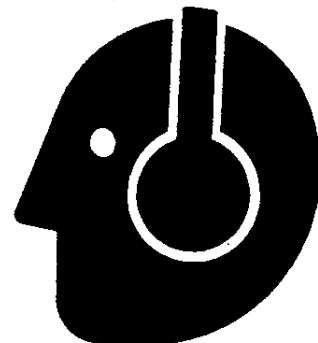
053,WEAR2 -19-26JAN90

TS206 -JUN-23AUG88

PROTECT AGAINST NOISE

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.



053,NOISE -19-26JAN90

TS207 -JUN-23AUG88



USE SAFETY LIGHTS AND DEVICES

When driving your machine on a road or highway at night or during the day, use necessary safety lights. Check local government regulations.

Use of flashing warning lights and turn signals is recommended when towing this equipment on public roads unless prohibited by state or local regulations.

Keep safety items in good condition. Replace missing or damaged items.

02T,05,FF7 -19-14MAR90

KEEP ROPS INSTALLED PROPERLY

A damaged roll-over protective structure (ROPS) should be replaced, not reused.

The protection offered by ROPS will be impaired if ROPS is subjected to structural damage, is involved in an overturn incident, or is in any way altered by welding, bending, drilling, or cutting.

If ROPS was loosened or removed for any reason, inspect it carefully before operating the machine again.

To maintain the ROPS:

- Replace missing hardware using correct grade hardware.

- Check hardware torque.

- Check isolation mounts for damage, looseness or wear; replace them if necessary.

- Check ROPS for cracks or physical damage.

02T,05,K104 -19-14MAR90



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SERVICE SCRAPER SAFELY



T6139AH -19-02/JUN89

Be sure that service is approved and that you understand the procedure before you work on the machine.

Never operate the machine if an unsafe condition exists. Put a "DO NOT OPERATE" tag on the steering wheel.

Do not run the engine while you work on the machine unless the procedure is approved.

Never lubricate or work on the machine while it is moving.

ALWAYS USE TWO PEOPLE when making checks with the engine running. The operator must be at the controls and able to see the person doing the checking.

Keep hands, feet, and clothing away from the moving parts.

Disconnect battery ground cable (-) before welding on the machine or making adjustments to the engine or electrical system.

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.

Unauthorized modifications to the machine may impair the functions and/or safety and affect machine life.

Before servicing machine and before leaving operator's station:

1. Park machine on a level surface.
2. Release accelerator pedal.
3. Move transmission gear shift lever to neutral.
4. Lower bowl to the ground.
5. Move bowl, eject, and elevator levers to neutral.
6. Move suspension axle lever (if equipped) to the locked-down position.
7. Engage park brake.

IMPORTANT: Turbocharger may be damaged if engine is not properly shut down.

8. Operate engine at 1/2 speed without load for 2 minutes.
9. Pull fuel shut-off handle up to stop engine. Push handle all the way down after engine stops.
10. Turn key switch to OFF position. Remove key from switch.
11. Move gate lever back and forth to release hydraulic pressure.

Allow engine to cool.

If maintenance procedure must be performed with engine running, do not leave machine unattended.

After servicing hydraulic system, be sure to tighten all fittings.

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