

**6620,
SIDE HILL 6620,
7720,
AND 8820
COMBINES**



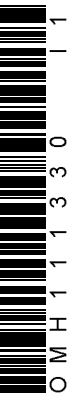
JOHN DEERE

**OPERATORS MANUAL
6620, SIDE HILL 6620, 7720, AND
8820 COMBINES**


OMH111330 I1 English

**HARVESTER WORKS
OMH111330 I1**

LITHO IN THE U.S.A.
ENGLISH



INTRODUCTION

 This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

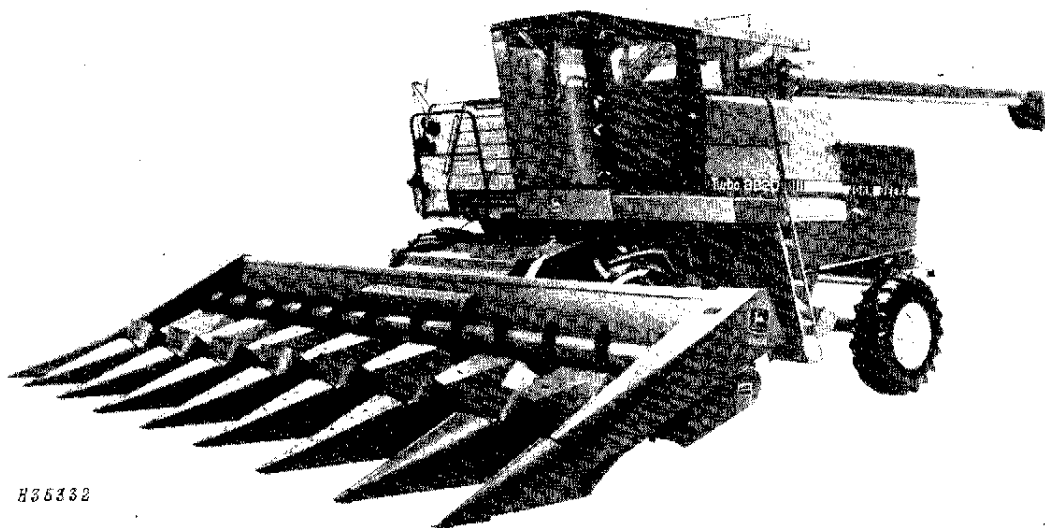
Your operator's manual contains SI metric equivalents which follow immediately after the U.S. customary units of measure.

"Right-hand" and "left-hand" sides are determined by facing in the direction the combine will travel when in use.

Record your combine serial numbers in the space provided on page 289.

The warranty on this combine appears on your copy of the purchase order which you should have received from your dealer when making your purchase. 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 provided field improvements, often without charge to the customer, even if the product is out of warranty.

Warranty and field improvements are a part of John Deere's product support program for customers who operate and maintain their equipment as described in this manual. 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.



H35332



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Safety

SAFETY DECALS

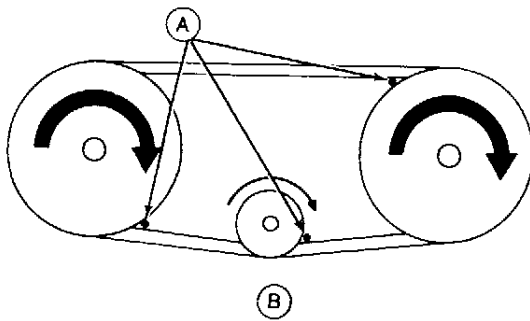


CAUTION or WARNING: Decals with these headings and symbol indicate the possibility of personal injury.

IMPORTANT: Decals with this heading indicate the possibility of damage to the machine.

Decals are located in areas where they apply.

AVOID CONTACT WITH MOVING PARTS



H31200

A—Pinch Points
B—Belt Drive

Keep guards and shields in place at all times while operating the combine. Always disengage separator and shut off engine before removing guards or shields.

Modifications to the machine may impair the function and or safety and affect machine life.

Keep hands, feet, and clothing away from power-driven parts.

Never clean, lubricate, or adjust the combine when it is running unless it is specifically stated to do so.

Everyone must be clear before starting engine or running combine.

Never attempt to clear obstructions off the header or unplug or clean separator unless the separator is disengaged and the engine is shut off.

LEAVING COMBINE UNATTENDED

Before leaving the combine unattended, turn off engine and remove keys, support the header with either the hydraulic cylinder safety stop, or lower it to the ground. The gearshift lever must be in neutral and the parking brake engaged. Lock cab doors.

CHANGING TIRES

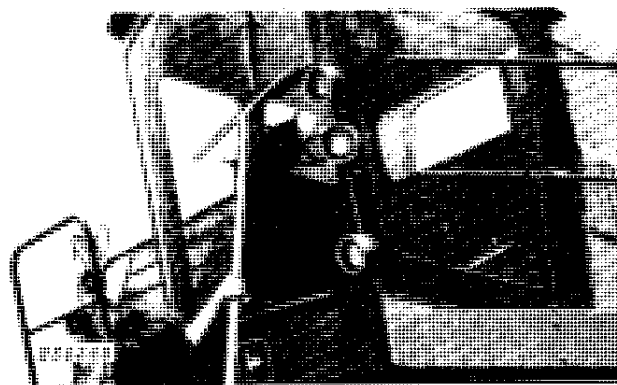
Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious injury or death. Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job. Have it done by your John Deere dealer or a qualified tire repair service.

When seating tire beads on rims, never exceed 35 psi (241 kPa) (2.4 bar) or maximum inflation pressures specified by tire manufacturers for mounting tires. Inflation beyond this maximum pressure may break the bead, or even the rim, with dangerous explosive force. If both beads are not seated when the maximum recommended pressure is reached, deflate, reposition tire, relubricate bead, and reinflate.

Detailed agricultural tire mounting instructions, including necessary safety precautions, are contained in John Deere Fundamentals of Service (FOS) Manual 55, Tires and Tracks, available through your John Deere dealer. Such information is also available from the Rubber Manufacturers Association and from tire manufacturers.

WASHING FRONT CAB WINDOW

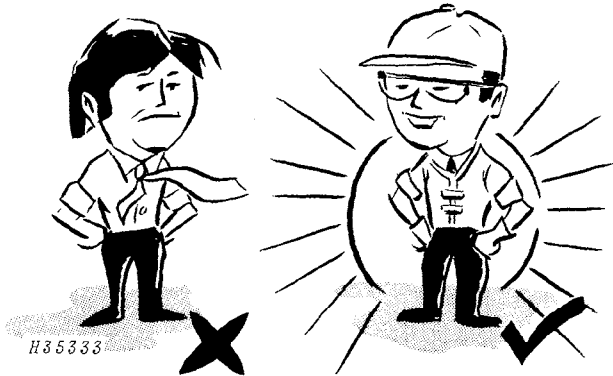
To wash front window of cab, stand on ground and use a long handled squeegee or mop to reach top of window. Do not stand on feeder house or header top beam, as this could result in a fall.



SERVICING DRIVES AND DRIVE RELATED AREAS

Before servicing the combine in either a belt driven area or any area receiving power from a belt drive, it is recommended that the engine be shut off. Some drives, due to their clutching and declutching characteristics, can be engaged when the engine is running by the applying or removing of outside forces.

OPERATE SAFELY



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Clothing worn by operator must be fairly tight and belted. Loose jackets, shirts, or sleeves must never be worn.

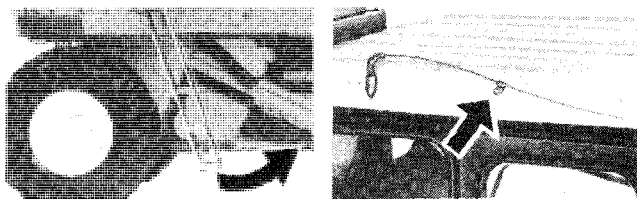
The gearshift lever must be in neutral and the separator disengaged before starting engine.

Be careful when operating on hillsides so the combine will not tip.

Always keep the combine in gear when going down hills.

Use right-hand cab door to get to engine compartment or feeder house areas. Never climb to these areas from the ground.

Do not ride or attempt to climb rear ladder while combine is moving.



H36840

H36841

When operating combine in extremely muddy conditions, swing ladder up to prevent it from being bent when backing up.

The radio antenna must be bent forward and secured with clip any time the combine may come into contact with a high voltage wire or when combine is transported by truck or rail.

BATTERIES



H36842

Batteries generate explosive gases. Keep sparks, flames, burning cigarettes, or other ignition sources away at all times. Always shield eyes when working near batteries. Always wear safety glasses.

Do not connect or disconnect live circuits.

Turn off charger before attaching or removing a lead from the battery.

Ventilate the area when charging.

NOISE



X7662

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

Wear a suitable hearing protective device such as earmuffs (A) or earplugs (B) to protect against objectionable or uncomfortable loud noises.

A—Earmuffs
B—Earplugs

AVOID HIGH PRESSURE LEAKS

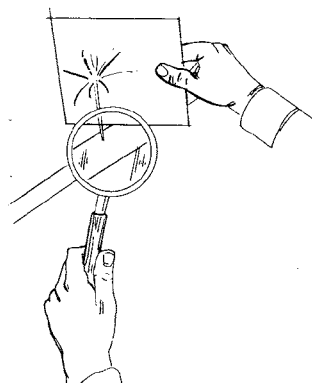
Escaping hydraulic fluid under pressure can have sufficient force to penetrate the skin, causing serious injury. Before applying pressure to the system, all connections must be tight, and lines, pipes, and hoses must be in good condition.

Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands, to search for suspected leaks.

If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

Cracking hydraulic line fittings to lower the feeder house will result in an instantaneous dropping of feeder house or feeder house and header.

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FIRE EXTINGUISHER

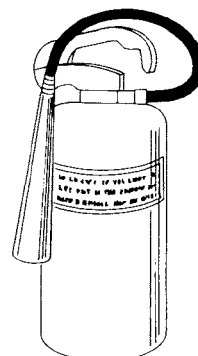
Have a multipurpose dry chemical fire extinguisher filled and handy. Know how to use it.

DO NOT refuel with the engine running.

DO NOT smoke or use a lantern when refueling.

The part number of the extinguisher is AT62018. See page 16 for installation instructions.

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TRANSPORT SAFELY

Never ride or allow anyone on the operator's platform.

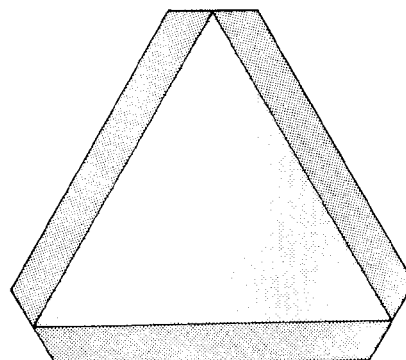
Be extra careful when transporting the combine in hilly country. Never transport with grain in tank and always lock brake pedals together.

Never transport combine with 1243 corn head attached.

When transporting the combine on a road or highway, use accessory lights and devices for adequate warning to the operators of other vehicles. In this regard, check local governmental regulations. Always check width laws.

The radio antenna must be bent forward and secured with clip when transporting the combine. This prevents the antenna coming into contact with a high voltage wire.

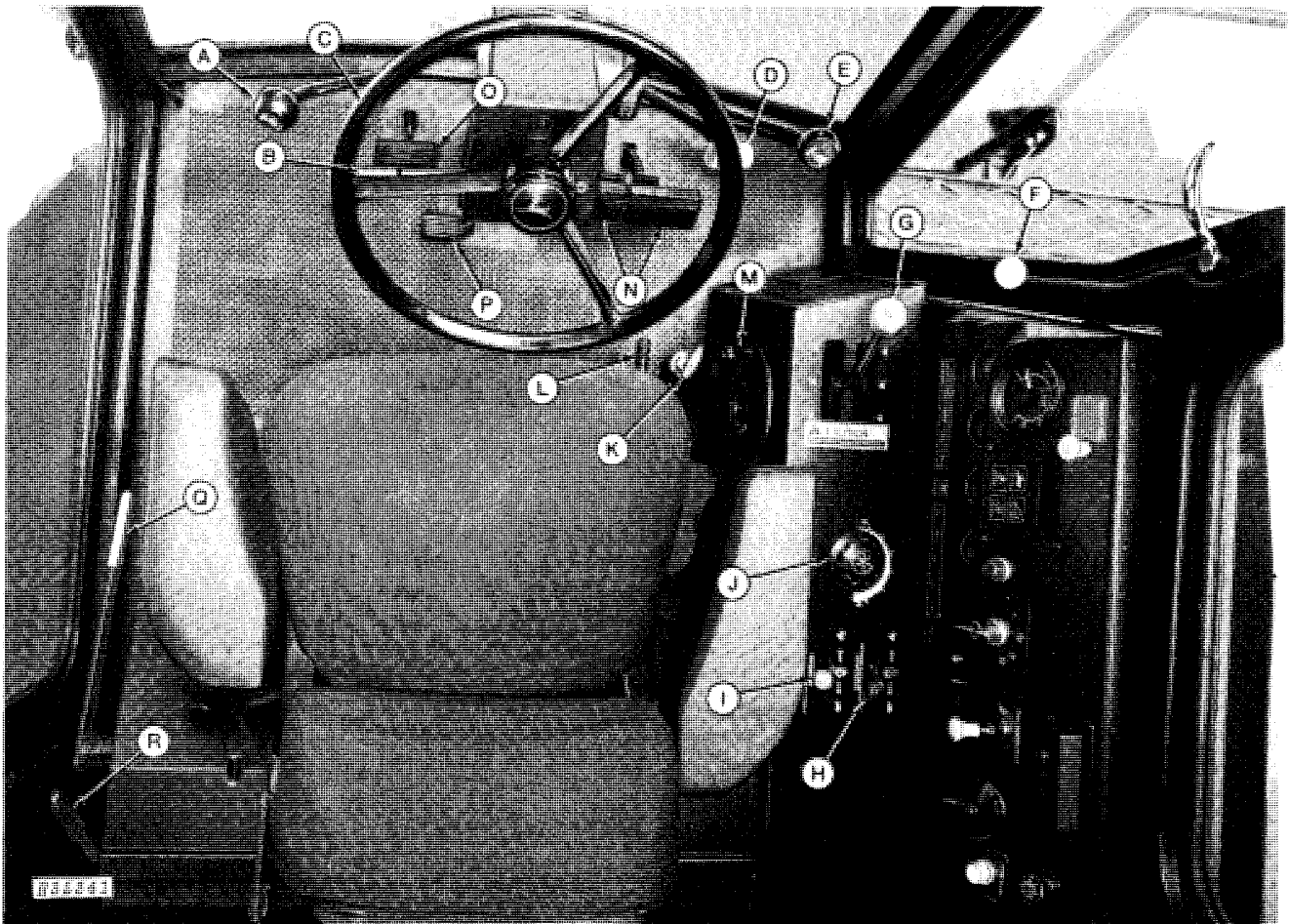
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Operator's Station

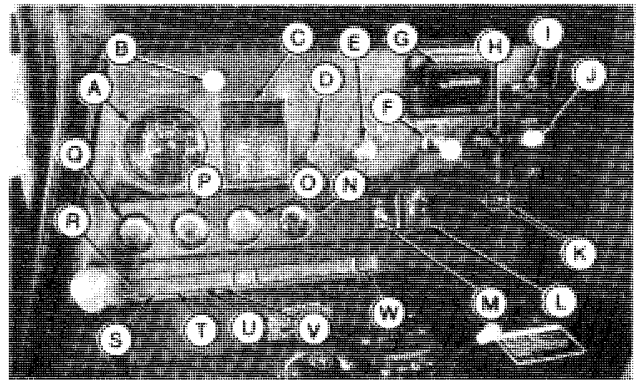
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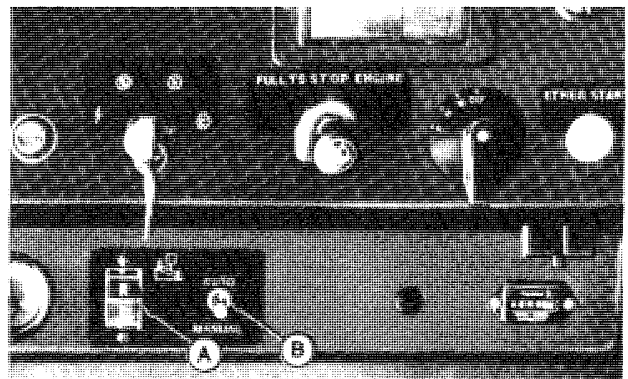
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SideHill 6620 Only

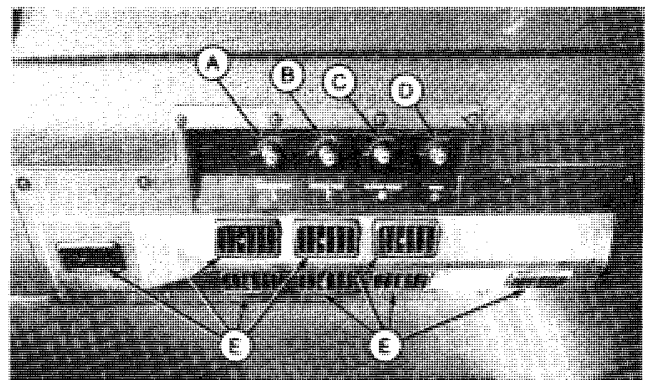
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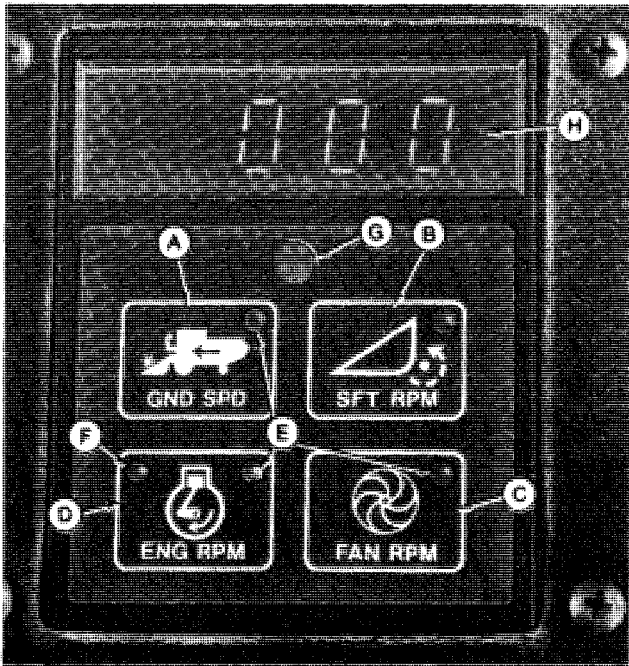
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INSTRUMENTS



H50085

Digital Display Tachometer Speed Monitoring System

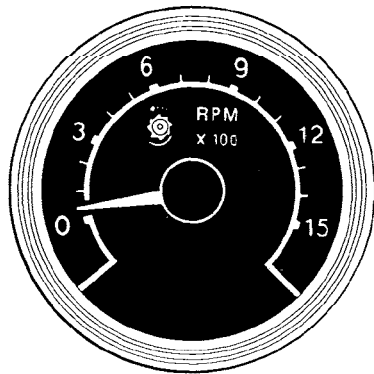
The display will show engine speed when the ignition switch is turned on.

Press symbol, ground speed (A), header shaft speed (B), cleaning fan speed (C), engine speed (D), to show the speed for that function on the display.

Each symbol, when touched, will show a green dot (E) in the upper right-hand corner of the symbol. The engine symbol will also show a flashing red dot (F) in the upper left-hand corner of the symbol (D) when engine rpm drops below 2180 or rises above 2400.

The dot (G) between the display and the function symbols automatically controls the brightness of the display for the ambient light conditions.

- | | | |
|----------------------|----------------------|-------------------|
| A—Ground Speed | C—Cleaning Fan Speed | E—Green Dot |
| B—Header Shaft Speed | D—Engine Speed | F—Red Dot |
| | | G—Brightness Dot |
| | | H—Digital Readout |

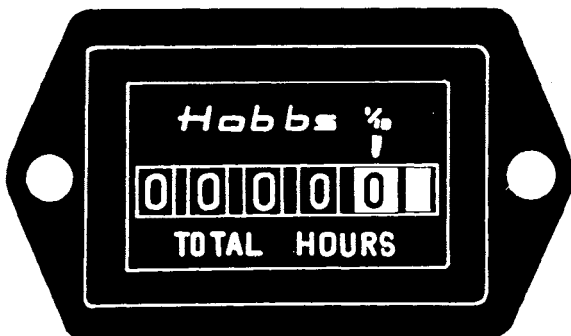


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Cylinder Speed Tachometer

The tachometer reads cylinder rpm by hundreds.



H35349

H35349

Engine Hour Meter

The hour meter shows the accumulated engine service in hours and tenths of hours. When the ignition switch is turned off, the hour meter will stop.

IMPORTANT: Do not leave the ignition switch on without running the engine, or the hour meter will continue to register hours.

NOTE: Hour meter will not register with ignition switch in "ACC" position.

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