

Identification View



-UN-22MAY95
ZX004251

ZX,OMXZC0001970-19-13NOV92

Safety Decals

PICTORIAL SAFETY SIGNS

At several important places of this machine safety signs are affixed intended to signify potential danger. The hazard is identified by a pictorial in a warning triangle. An adjacent pictorial provides information how to avoid personal injury. These safety signs, their placement on the machine and a brief explanatory text are shown below.

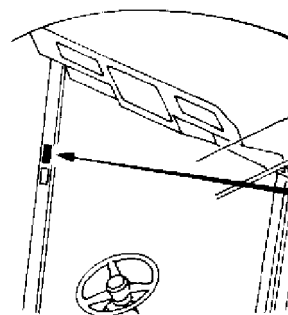


FX,WBZ -19-19NOV91

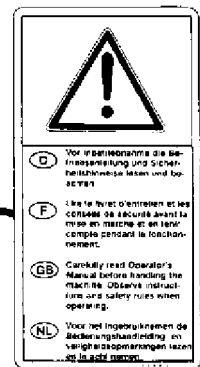
TS231 -19-07OCT88

OPERATOR'S MANUAL

This operator's manual contains all important information necessary for safe machine operation. Carefully observe all safety rules to avoid accidents.



ZX 002470 - 29

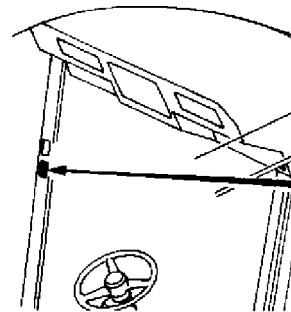


ZX,OM -19-12JUN92

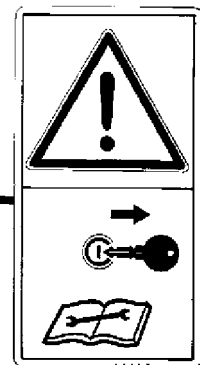
-19-25AUG00 ZX002470

REPAIR AND MAINTENANCE

Before carrying out repair and maintenance work, shut off engine and remove key.



ZX 002471

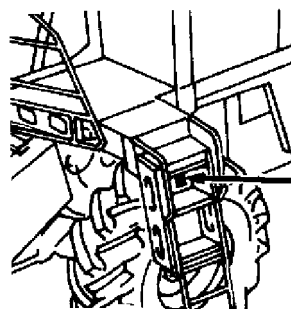


ZX,MAINTENANCE -19-13APR92

-UN-22MAY95 ZX002471

FRONT ACCESS LADDER AND PLATFORM

Do not allow riders on access ladder or platform.



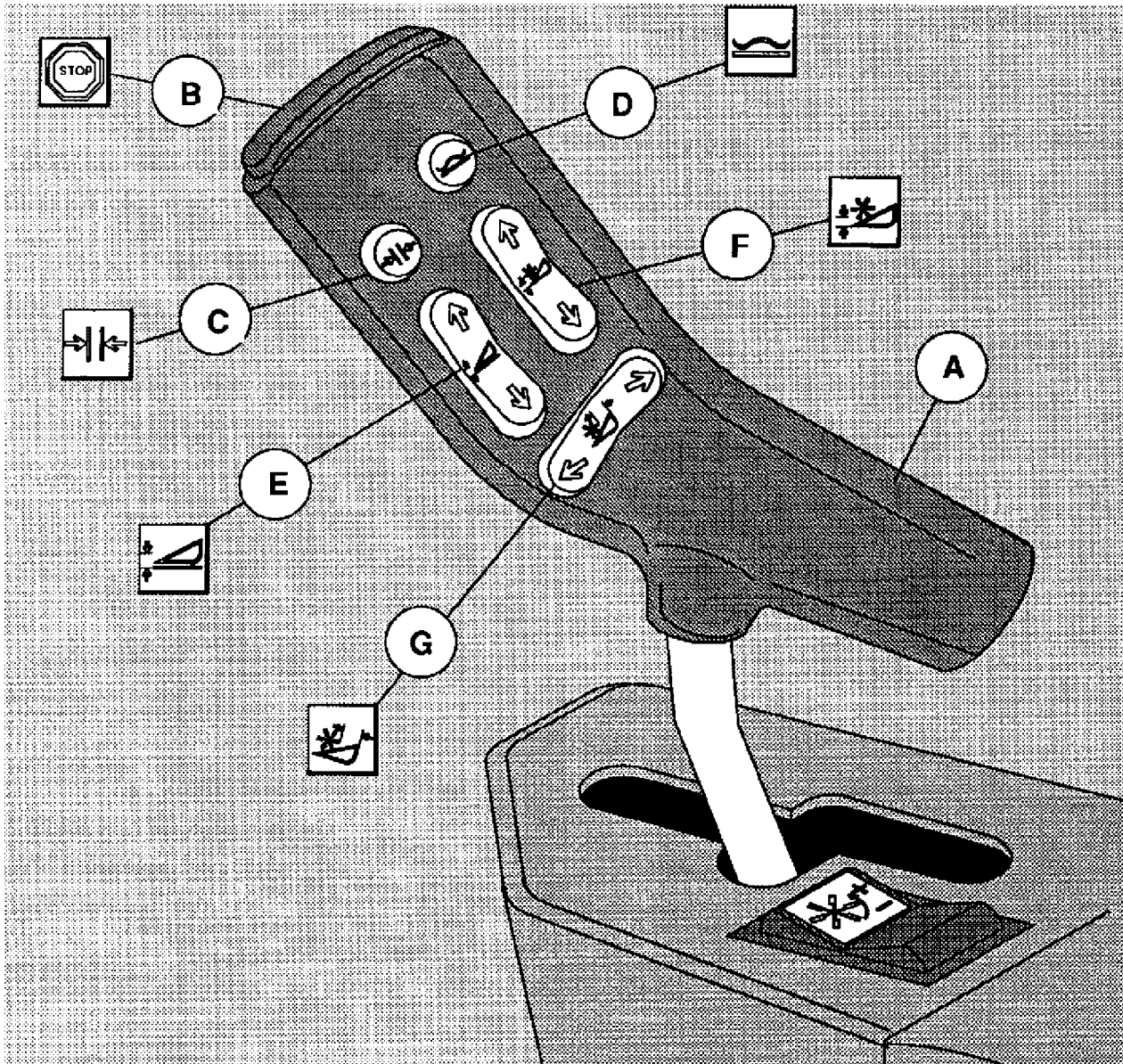
ZX 002495



ZX,RIDER1 -19-13APR92

-UN-22MAY95 ZX002495

MULTI-FUNCTION LEVER



ZX002276

ZX002276 -UN-21JUN95

A—Forward/reverse lever
 B—Emergency cut-off switch
 for automatic functions,
 header
 C—Automatic function
 resume control (option)
 for:
 •Reel height
 •Reel horizontal position
 •Header height

D—Header float control
 (option)
 E—Raise/lower header
 (2 speeds)

F—Reel height adjustment
 G—Reel fore-and-aft
 adjustment

ZX, OMXZCO001445-19-13NOV92

POTENTIOMETER FOR REEL HEIGHT RESUME CONTROL (OPTION)

Requirements:

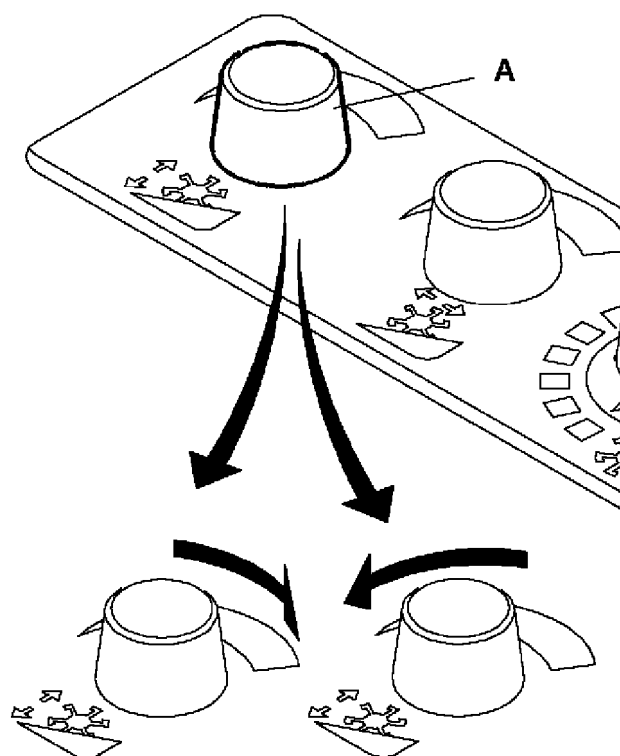
- Electronic system of header function resume controls must be switched on
- Resume controls must be activated

NOTE: Once resume controls are activated, all three resume functions may be adjusted.

Adjustment:

Use potentiometer (A) to obtain desired reel height resume setting.

- Turn clockwise — desired reel height position increases
- Turn counterclockwise — desired reel height position decreases



ZX 002290

ZX,OMXZCO001458-19-20JUL92

-UN-16JUN95

ZX002290

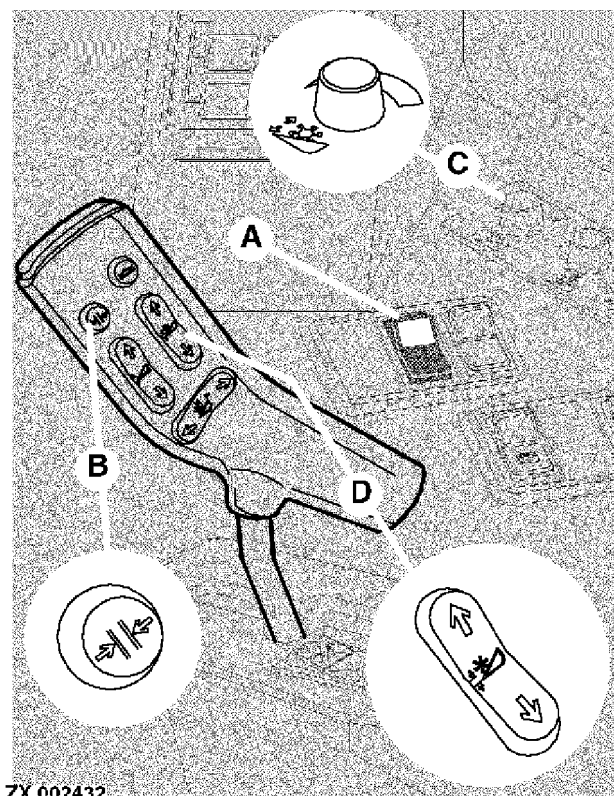
Operation:

Use switch (A) to switch on function resume controls and button (B) to activate the electronic system. Now move reel to desired position by means of potentiometer (C).

If switch (D) was pressed to change reel height, the reel position preselected by means of potentiometer (C) may be obtained again by pressing button (B).

NOTE: Reel height resume function may be interrupted by actuating emergency cut-off switch (STOP) of multi-function lever.

- A—Header function resume control switch
- B—Button for automatic resume control
- C—Potentiometer for reel height resume control
- D—Reel height adjusting switch



ZX 002432

ZX,OMXZCO001786-19-24MAR92

-UN-16JUN95

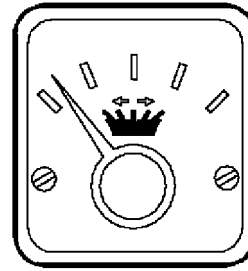
ZX002432

DISTRIBUTOR PLATE GAUGE

shows direction of straw distribution:

Needle in right-hand area = straw is thrown to the right

Needle in left-hand area = straw is thrown to the left



ZX 002457

ZX,OMXZC0001804-19-24MAR92

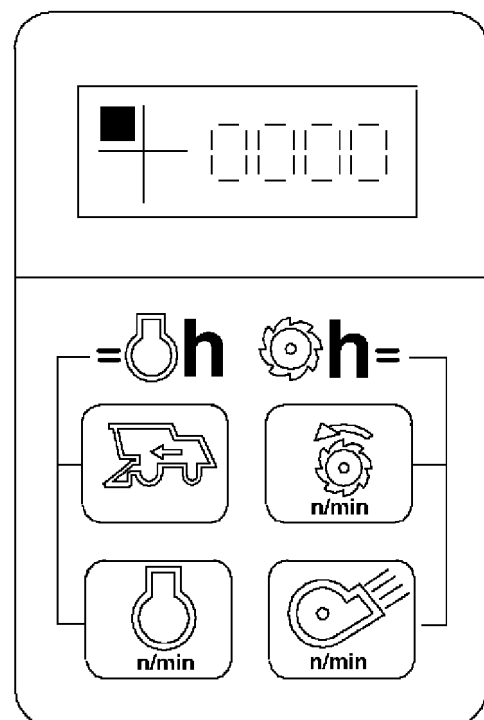
ZX002457
-UN-16JUN95

INFOTRAK MONITOR

The infotrak monitor displays ground and other speeds, concave spacing, operating and working hours.

By inputting certain specific machine data, the infotrak monitor is adjusted to the requirements of the combine and combine data center (depending on equipment).

In addition, error codes and service intervals are displayed.



ZX 002351

ZX,OMXZC0001544-19-14NOV92

ZX002351
-UN-16JUN95

AUTOMATIC MACHINE SETTING ACCORDING TO CROP SELECTED

- Separator must be engaged.
- Switch on function "Automatic Machine Adjustments".
- Select "Display" unit.

The selected crop will be displayed.

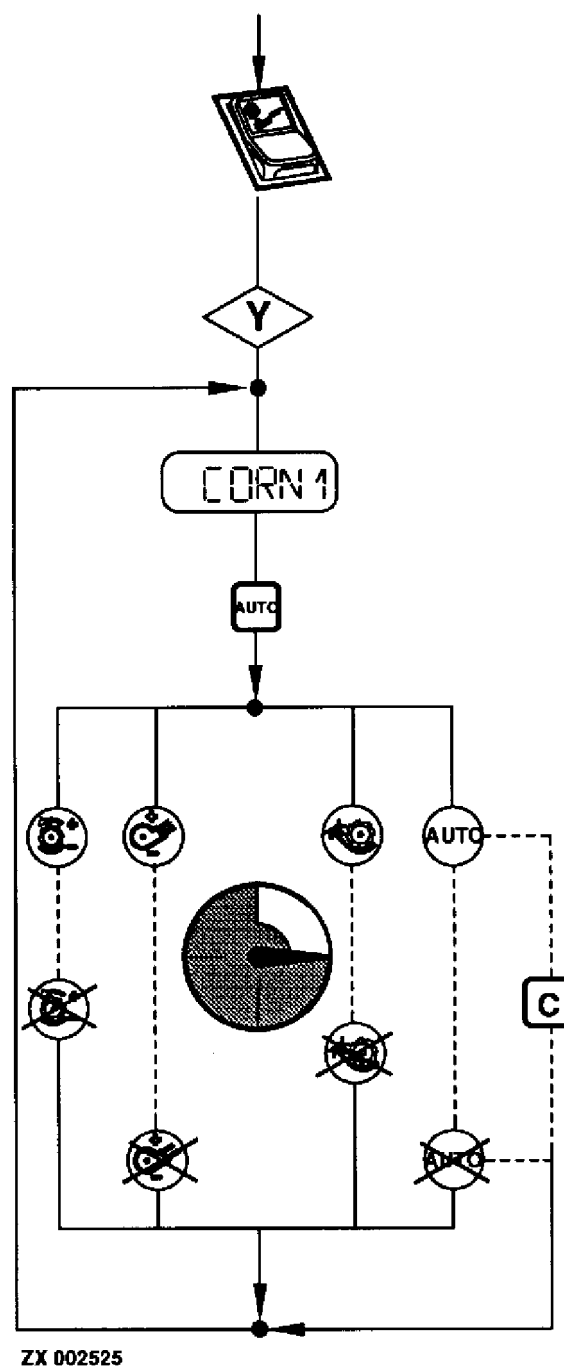
- Press "AUTO" key.

Lights of functions

- Cylinder speed
 - Fan speed
 - Concave spacing and
 - Automatic operation ("AUTO")
- will glow until the corresponding setting is completed.

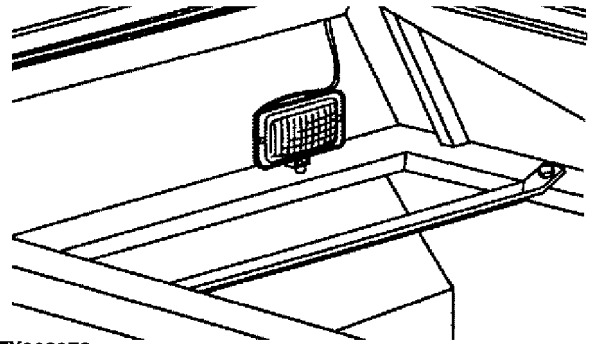
After setting procedure for all functions is completed, the "AUTO" light will go out.

NOTE: It is possible to interrupt setting procedure by pressing "Cancel" key (C).



ZX,OMXZCO001960-19-20JUL92

GRAIN TANK LIGHTING



ZX002372

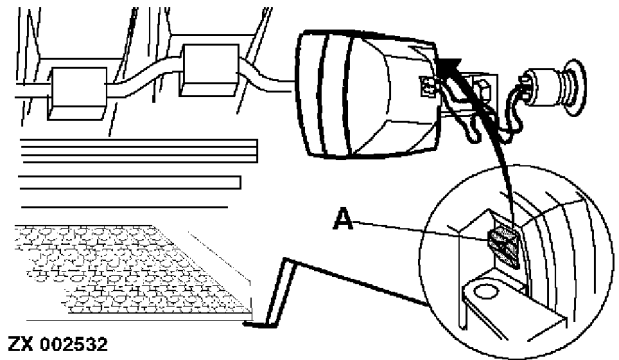
ZX,OMXZC0001536-19-01AUG92

-UN-16JUN95
ZX002372

LIGHT INSIDE STRAW HOOD

IMPORTANT: Switch on light inside straw hood only to perform service or maintenance work. It represents a **FIRE HAZARD**.

Switch (A) at the rear of the light can be used to select the light only when the ignition is switched on.



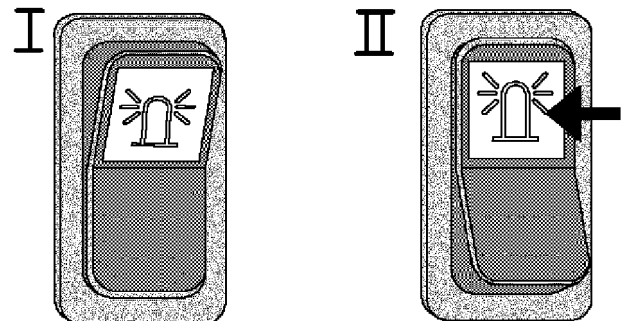
ZX 002532

ZX,OMXZC0001962-19-01AUG92

-UN-16JUN95
ZX002532

TUMBLER SWITCH FOR BEACON LIGHTS

- I—Beacon lights off
- II—Beacon lights on (only with ignition on)



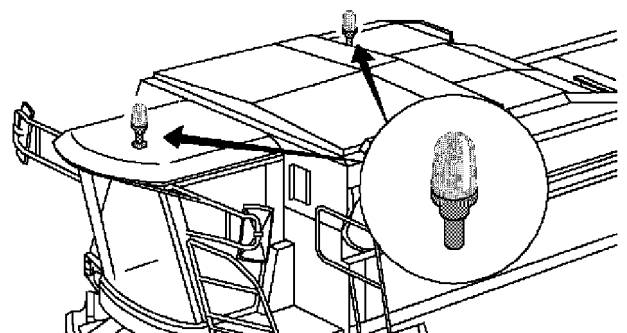
ZX 002373

ZX,OMXZC0001537-19-01AUG92

-UN-16JUN95
ZX002373

BEACON LIGHT FOR DRIVING ON PUBLIC ROADS

In certain countries, the beacon lights must be switched on when driving on public roads.



ZX 002374

ZX,OMXZC0001538-19-01AUG92

-UN-16JUN95
ZX002374

TRANSPORTING UNDER OWN POWER

Remove **header**, if overall width exceeds the legal limits (for details of removal, see relevant operator's manual). Move the feeder house to transport position.

Move **straw chopper distributor plate** to transport position.

Empty the **grain tank**.

Bring in the **unloading auger**.

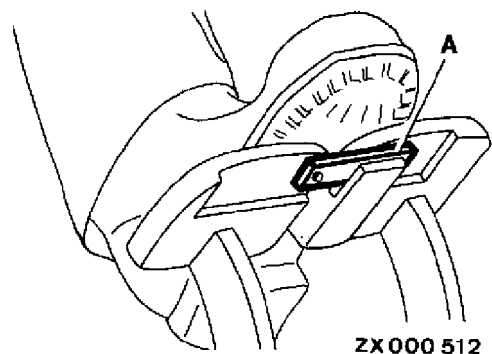
Pivot and secure the **access ladder**.

Switch on the **lights**, if necessary.

For general information on driving, see this Section.

ZX,OMXZC0001583-19-01AUG92

CAUTION: For safety reasons, always couple brake pedals by means of pedal coupler (A) when driving on public roads. This ensures the brakes are actuated together.



ZX 000 512

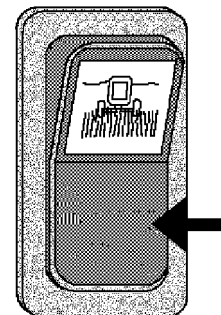
ZX000512 -UN-03APR95

ZX,OMXZC0001585-19-01AUG92

ROAD SAFETY SWITCH

IMPORTANT: During road travel, the road safety switch must be in the “road” position.

Thus all hydraulic functions with the exception of the steering system are shut off.



ZX 002418

ZX002418 -UN-16JUN95

ZX,OMXZC0001588-19-01AUG92

STEERED WHEELS FOR 2054, 2056, 2058, 2064 AND 2066 COMBINES AND HILLMASTERS

SIZE	CODE NO.	2054	2054 HM	2056	2056 HM	2058	2058 HM	COMMENT
10.5/80-18	10 PR	•	•	•	•			
12.5-80-18	10 PR	•	•	•	•			
14.5/75-20	8 PR	•	•	•	•	•	•	
16.0/70-20	10 PR	•	•	•	•	•	•	
14.9-24	8 PR	•	•	•	•			
	8 PR	•	•	•	•			4WD only
	8 PR	•	•	•	•	•	•	
	8 PR	•	•	•	•	•	•	4WD only
16.9-24	8 PR	•	•	•	•	•	•	
	8 PR	•	•	•	•	•	•	4WD only
500/60-22.5	10 PR	•	•	•	•	•	•	

SIZE	CODE NO.	2064	2064 HM	2066	2066 HM	COMMENT
14.5/75-20	8 PR	•	•	•	•	
16.0/70-20	10 PR	•	•	•	•	
14.9-24	8 PR	•	•	•	•	
	8 PR	•	•	•	•	4WD only
16.9-24	8 PR	•	•	•	•	Rigid axle, valve on in- side
	8 PR	•	•	•	•	4WD only
500/60-22.5	10 PR	•	•	•	•	

REPLACING ROTATING KNIVES

CAUTION: Always jam the rotor to prevent accidents when replacing rotating knives.

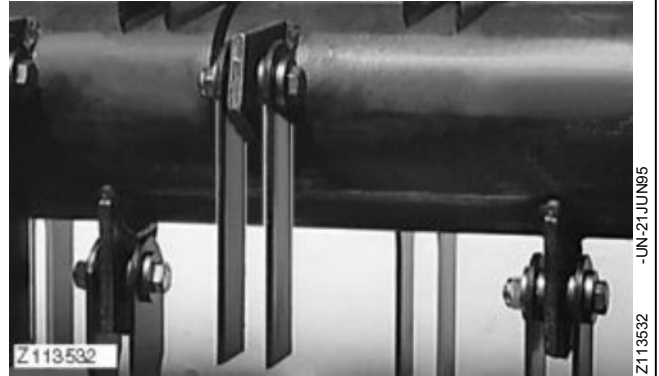
IMPORTANT: Note the following to avoid unbalancing the straw chopper:

Excessive vibration may be caused by broken knives. Remove the broken knife (together with the knife that is most nearly opposite) at once, and install replacements.

Do not sharpen knives that go dull. Instead, turn them round or replace them. This ensures that all the knives on the rotating knife shaft weigh approximately the same.

Always use M10x50 screws of 10.9 grade together with self-locking nuts. Tighten the cap screws to 65 N·m (47 lb-ft).

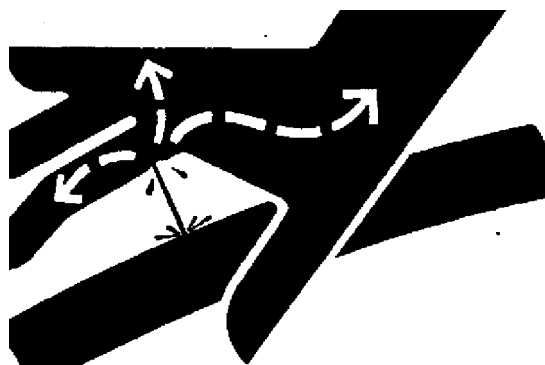
Install the screws from right to left (in direction of forward travel).



ZX,OMXZC0002339-19-04DEC92

CAUTION: Escaping fluid under pressure can penetrate the skin causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source. Such information is available from Deere & Company Medical Department in Moline, Illinois, U.S.A.



X9811
-UN-23AUG88

DX,FLUID2 -19-09AUG91

DO NOT MODIFY FUEL SYSTEM

IMPORTANT: Modification or alteration of the injection pump, injection pump timing or fuel injectors in ways not recommended by the manufacturer will terminate the warranty obligation to the purchaser. See warranty information inside front cover.

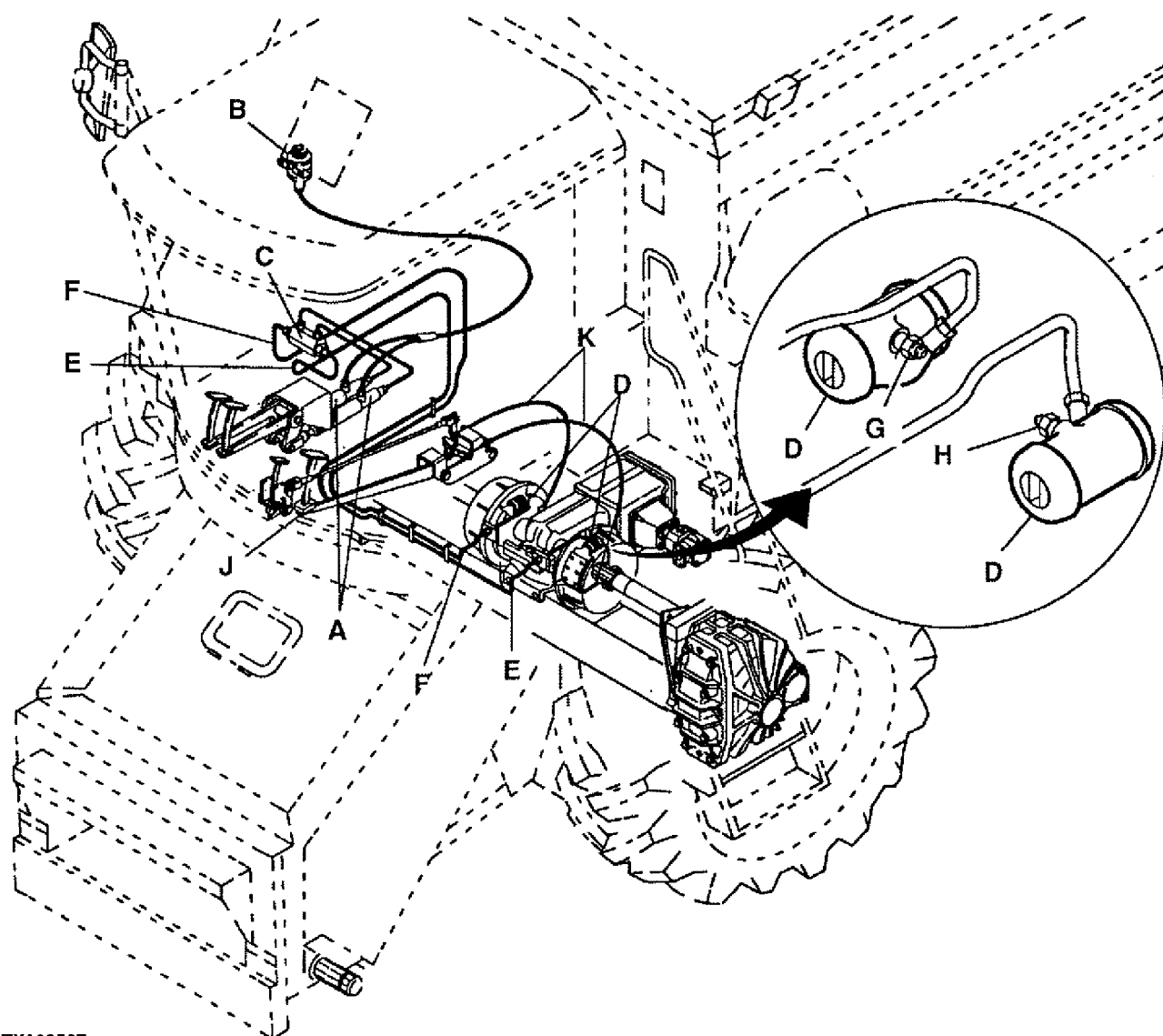
Do not attempt to service injection pump or fuel injectors yourself. Special training and special tools are required. See your John Deere dealer.

Never steam clean or spray water on a warm injection pump. This could cause damage to pump parts.

ZX,OMXZCO002086-19-01AUG92

Service — Ground Speed Drive

BRAKE SYSTEM



ZX002587

A—Brake master cylinder
(2 used)
B—Brake fluid reservoir
C—Equalizing valve

D—Brake slave cylinder
(2 used)
E—L.h brake line
F—R.h. brake line

G—R.h. bleed screw
H—L.h. bleed screw
J—Parking brake operating
assembly

K—Parking brake bowden
cables (2 used)

ZX,OMXZCO002213-19-05OCT92

ZX002587 -UN-08MAY95

SPECIFICATIONS, 2064 HILLMASTER**FEEDER HOUSE**

Conveyor chains	3 / 4
Slats	bolted T-slats
Fixed speed (engine rated speed)	490 rpm
Variable speed (engine rated speed)	490 / 770 rpm
Header reverser	mechanical
Pivoting feeder house front shield	standard

THRESHING UNIT**Primary Cylinder and Concave**

Cylinder diameter	660 mm (26 in.)
Cylinder width	1670 mm (65.7 in.)
No. of rasp bars	10
Cylinder speed (engine rated speed)	345—1040 rpm
Dual range speed (engine rated speed)	140—1040 rpm
Circumferential velocity	4.8—35.9 m/sec. (15.7—117.8 fps)
Cylinder speed adjustment	hydraulic
Drive type	POSI-TORQ™

Concave

No. of concave bars (small grain / corn)	12 / 13
Concave width	1670 mm (65.7 in.)
Concave length	680 mm (26.8 in.)
Concave wrap	121°
Concave area	1.08 m ² (11.60 sq ft)
Concave adjustment	electric motor
No. of de-awning plates	3

Secondary Cylinder and Concave

Cylinder diameter	400 mm (15.7 in.)
Cylinder width	1670 mm (65.7 in.)
No. of cylinder wings	8
Constant cylinder speed (engine rated speed)	850 rpm
Variable cylinder speed (optional)	100% of primary cylinder speed
Concave area	0.63 m ² (6.80 sq ft)

Stone Trap

Actuation	2 levers
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Grain Pan

No. of removable sections	8
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SPECIFICATIONS, 2066 COMBINE (CONTINUED)

POWER PACK

Engine type	RG6076HZ031
Number of cylinders	6
Displacement	7.6 L (466 cu in.)
Bore	116 mm (4.56 in.)
Stroke	121 mm (4.75 in.)
Power (according to ECE-R24) at rated speed with direct fan drive	199 kW (270 hp)
Engine rated speed	2200 rpm
Radiator screen	self-cleaning
Fuel tank capacity	550 L (145.3 U.S. gal)

GROUND DRIVE

Transmission type	three-speed
Foot brake type	305 mm (12 in.) dia, hydraulically operated shoe type
Parking brake	pedal, two brake circuits
Rear axle	standard or adjustable, with or without rear wheel drive

GROUND SPEED

20 km/h (12.5 mph) version:

1st gear	5 km/h (3.1 mph)
2nd gear	10 km/h (6.3 mph)
3rd gear	20 km/h (12.5 mph)

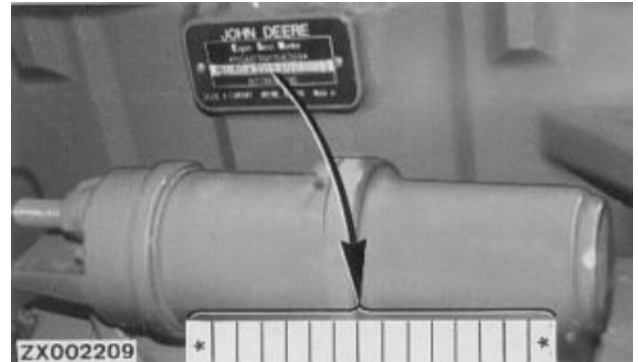
25 km/h (15.5 mph) version:

1st gear	6 km/h (3.7 mph)
2nd gear	12 km/h (7.5 mph)
3rd gear	25 km/h (15.5 mph)

ZX,DATA15XZCO -19-18AUG92

ENGINE SERIAL NUMBER — ENGINE TYPE 6076

The engine serial number is located near the fuel injection pump.



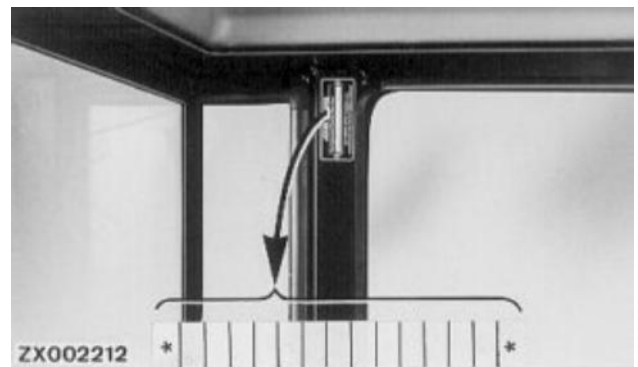
ZX,OMSPFH001429-19-01NOV91

ZX002209 -UN-24MAR95

OPERATOR'S CAB SERIAL NUMBER

The operator's cab serial number is located on the inside of the left-hand side panel.

NOTE: The operator's cab serial number is the same as that for the air conditioning system.



ZX,OMSPFH001431-19-01NOV91

ZX002212 -UN-24MAR95

FOUR WHEEL DRIVE MOTOR SERIAL NUMBER

The serial number of the four wheel drive motor is located on top of the motor.

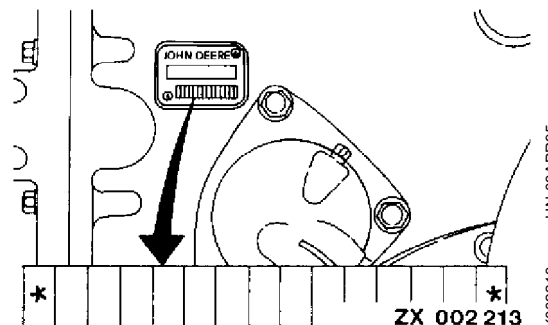


ZX,OMSPFH001434-19-01NOV91

ZX002215 -UN-24MAR95

THREE-SPEED TRANSMISSION SERIAL NUMBER

The three-speed transmission serial number is located on right-hand side of transmission.



ZX,OMSPFH001927-19-22MAY92

ZX002213 -UN-03APR95