

MAXEMERGE® 2 PLATELESS METERING UNITS



JOHN DEERE

OPERATORS MANUAL MAXEMERGE® 2 PLATELESS METERING UNITS

OMH136460 B7 English

JOHN DEERE HARVESTER WORKS
OMH136460 B7

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.

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



The machine is of metric design.

For your convenience, most specifications are given in metric measurement with the customary U.S. measurement following.

Some specifications cannot be converted. These appear in metric only.

The machine hardware is metric. Specified metric hardware must be used for replacement.



CAUTION: Use only metric tools on metric hardware and standard tools on standard hardware. Otherwise tools may not fit properly. They may slip and cause injury.

Record your machine serial number in the space provided in Specification section. Your dealer needs this information to give you prompt, efficient service.

The warranty on this machine appears on your copy of the purchase order which you should have received from your dealer when you purchased the planter.

Contents

	Page		Page
Safety Signs	1	Soybean Feed Cup w/Seed Guide A48005 (Acid Delinted Cotton)	62
Safety	2	Planting Acid-Delinted Cotton w/Soybean Feed Cup	70
Preparing for Use		Sorghum/Milo Feed Cup (Sorghum/Milo)	71
Tire Inflation	5	Edible Bean Feed Cup (Edible Beans or Large Soybeans)	87
Lubrication	5	Checking Seed Population	95
Read Your Planter Operator's Manual	5	Filling Seed Hoppers	98
Operating Seed Meter		Inspection and Cleanout of Seed Hoppers and Metering Units	99
Plateless Seed Hoppers	6	Read Your Planter Operator's Manual	100
Feed Cup Metering Unit	7	Troubleshooting	
Soybeans, Edible Beans and Regular-Rate Sorghum/Milo	7	Read Your Planter Operator's Manual	103
Low-Rate Sorghum/Milo	8	Lubrication	
Acid-Delinted Cotton and Small Soybeans	10	High Temperature/Extreme Pressure Grease	104
Replace Feed Cup with Finger Pickup	11	General Purpose Grease	104
Finger Pickup Metering Unit Operating Characteristics	12	Alternative Lubricants	105
How To Use Planting Rate Charts	14	Roller Chain and Pesticide Gear Lubrication	106
Changing Input Sprocket Combinations		Read Your Operator's Manual	107
7200 Standard Planter	16	Service	
7240 Planter, Low-Range Sprocket Combination	17	Bolt Torque (Metric)	108
7240 Planter, High-Range Sprocket Combination	17	Finger Pickup Mechanism	108
7200, 7300 and 7340 Planters	18	Storage	
Changing Planting Rate Sprocket Combinations		Beginning of Season Service	113
7200 Standard Planter	19	End of Season Service	114
7240 Planter	20		
7200, 7300 and 7340 Planters	20		
Planting Rate Charts			
Finger Pickup, Metric	23		
Finger Pickup, U.S. Units of Measure	25		
Feed Cup Operating Characteristics	27		
Feed Cup Planting Rate Charts			
Soybean Feed Cup (Soybeans)	29		
Soybean Feed Cup (Beans/Meter, Kg/Hectare)	37		
Soybean Feed Cup (Beans per Ft., Lb. per Acre)	39		
Soybean Feed Cup (Edible Beans)	41		
Soybean Feed Cup w/Seed Guide A48005 (Small Soybeans)	49		
Planting Small Soybeans with Soybean Feed Cup	57		
Soybean Feed Cup (Small Soybeans) (Beans/Meter, Kg/Hectare)	58		
Soybean Feed Cup (Small Soybeans) (Beans per Ft., Lb. per Acre)	60		

Safety Signs

FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety signs. Follow recommended precautions and safe operating practices.

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



AB6:TS188 053;SIGNS 071085

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.



▲WARNING

▲CAUTION

AB6:TS187 053;SIGNAL 071085

Safety

OPERATE THE PLANTER SAFELY

Be careful when operating planter to avoid injury.

If the planter must be in raised position while working on or near it, be certain service locks are installed.

Never ride or permit others to ride on the drawbar of the tractor or on the planter.

Serious injury or death can result from contact with electric lines. Use care when moving or operating this machine near electric lines to avoid contact.

Be careful when operating on hillsides; tractor can tip sideways if it strikes a hole, ditch or other irregularity.

Permit only one person, the operator, on tractor platform while tractor and planter are in operation.

Lower planter completely to the ground before unhitching from the tractor. Be sure planter is on a level and firm surface.

B21;;1SA A 231086

LUBRICATE THE PLANTER SAFELY

Do not grease, oil or adjust the planter while it is in motion.

AP0; B05;;13SA C 090384

TRANSPORT SAFELY

Engage and secure transport locks before transporting.

Install marker lockup straps.

The maximum transport speed for this planter is 10 mph (16 km/h). DO NOT EXCEED. Never travel at any speed which does not permit adequate control of steering and stopping.

While transporting planter on public roads, follow safety instructions outlined under "Transporting".

Use care when transporting across rough ground.

Serious injury or death can result from contact with electric lines. Use care when moving or operating this machine near electric lines to avoid contact.

B21;;1SA B 231086

AVOID HIGH-PRESSURE FLUIDS

Escaping fluid under pressure can penetrate the skin causing serious injury. Relieve pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Keep hands and body away from pinholes and nozzles which eject fluids under high pressure. Use a piece of cardboard to search for leaks.

If ANY fluid is injected into the skin, it must be surgically removed within a few hours by a doctor familiar with this type injury or gangrene may result.



AB6;X9811 053;FLUID 010586

HANDLE CHEMICALS PROPERLY

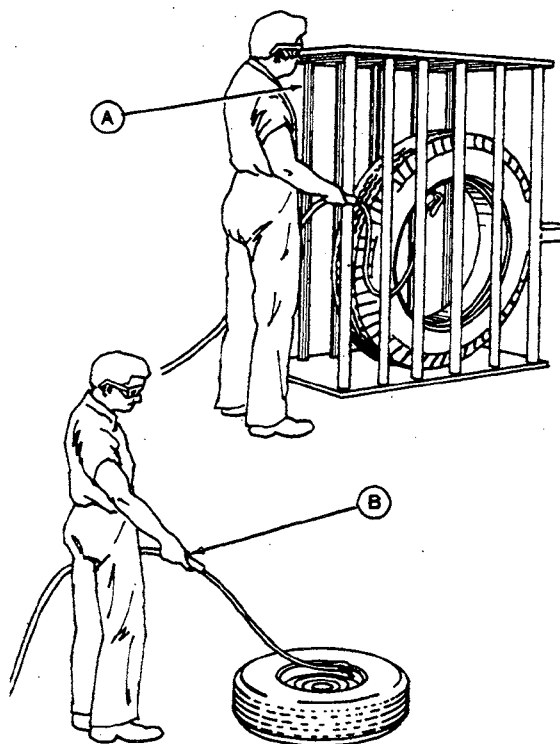
Agricultural chemicals can be dangerous. Improper selection or use can injure persons, animals, plants, soils or other property. BE SAFE: handle and apply with care. Follow instructions of the chemical manufacturer.

AP0; B05;;13SA D 090384

SERVICE TIRES SAFELY

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 sealing 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.



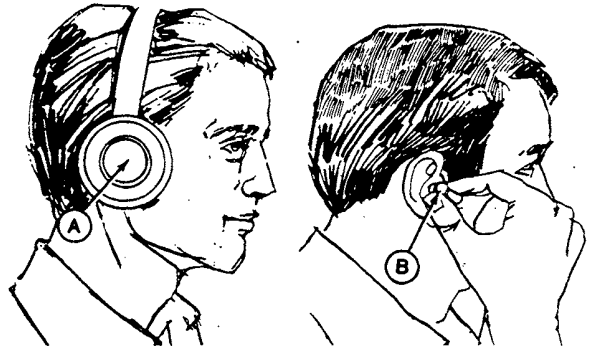
A—Use a Safety Cage if Available.
B—Do Not Stand Over Tire. Use a
Clip-on Chuck and Extension Hose.

AB6;TS123 053;TIRE 160486

PROTECT AGAINST NOISE

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.



AB6;X7662 053;NOISE 270886

DO NOT MODIFY THE PLANTER

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

AP0; B05;;13SA F 090384

USE IMPLEMENT WARNING LIGHTS

When transporting the equipment on a road or highway at night or during the day, use accessory lights and devices for adequate warning to operators of other vehicles. In this regard, check local governmental regulations. Various safety devices are available from your John Deere dealer.

AT6; B06;;14SA F 030284

Preparing for Use

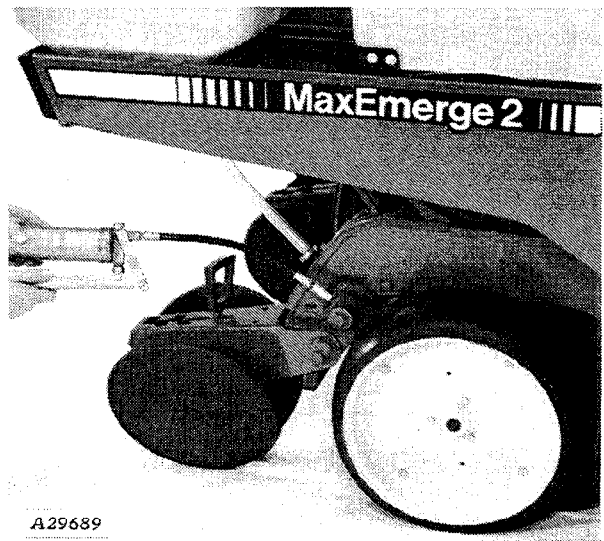
TIRE INFLATION

Inflate tires to 359 kPa (3.6 bar) (52 psi) of air pressure.

B22;;7PU A 181185

LUBRICATION

Be sure your planting units have been properly lubricated.
(See Lubrication section.)



026;A29689 B22;;7PU B 191185

READ YOUR PLANTER OPERATOR'S MANUAL

Read the Preparing for Use section in your planter operator's manual for related information on seed meter.

B22;;7PU G 191185

Operating Seed Meter

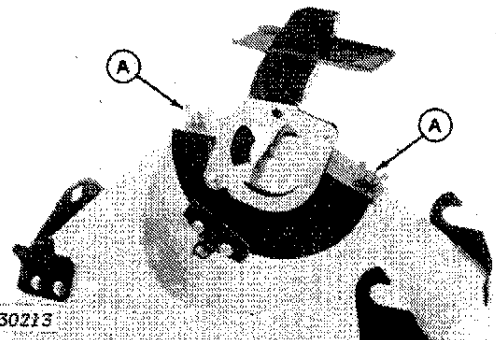
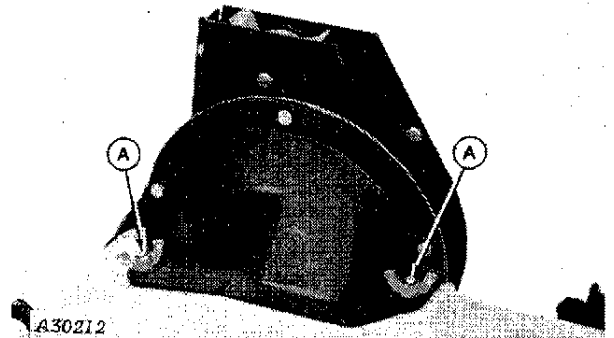
PLATELESS SEED HOPPERS

Plateless seed hoppers are for drill planting only.

The metering unit is attached directly to the bottom of the fiber glass seed hopper by two wing nuts (A).

IMPORTANT: Always keep lids on seed hoppers when planting. If lids are left off, dust and dirt can accumulate in the seed metering mechanism, causing excessive wear.

Finger Pickup Seed Metering Unit

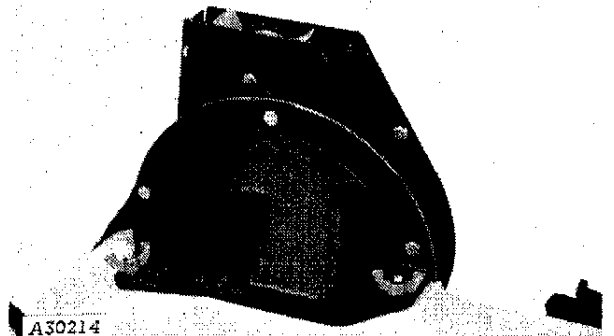


Feed Cup Seed Metering Unit

007;A30212 A30213 B22;;80M A 300186

Equip your planter with finger pickup metering units to plant all sizes (or mixed sizes) of corn and sunflower seeds.

Finger Pickup Seed Metering Unit



Equip your planter with feed cup metering units to plant soybeans, edible beans or sorghum/milo or acid delinted cotton.

Feed Cup Seed Metering Unit



007;A30214 A30215 B22;;80M B 300186

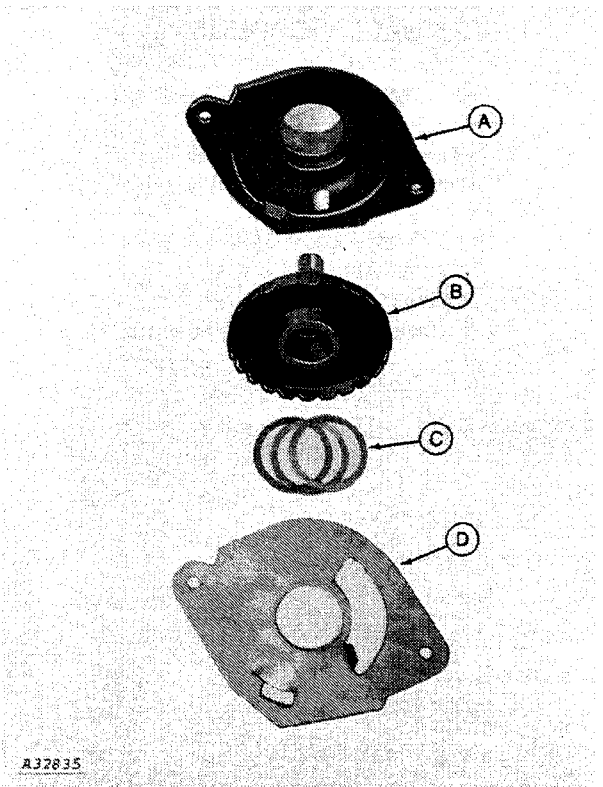
FEED CUP METERING UNIT

The feed cup metering unit consists of a feed cup housing (A), feed cup (B), washer shims (C) (used with low-rate sorghum/milo metering units only) and corresponding seed guide (D).

Use feed cup metering units to plant the following types of seed:

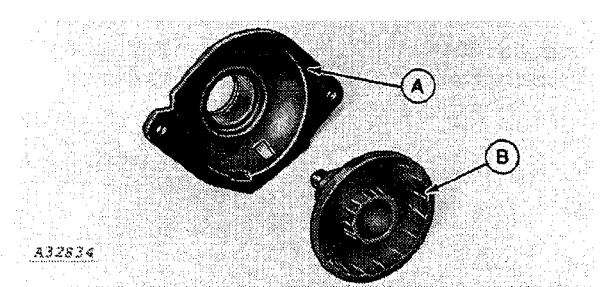
- Soybeans
- Sorghum/Milo, Regular Rate
- Sorghum/Milo, Low-Rate
- Edible Beans
- Acid Delinted Cotton
- Small Soybeans

- A—Feed Cup Housing
- B—Feed Cup
- C—Washer Shims
- D—Seed Guide

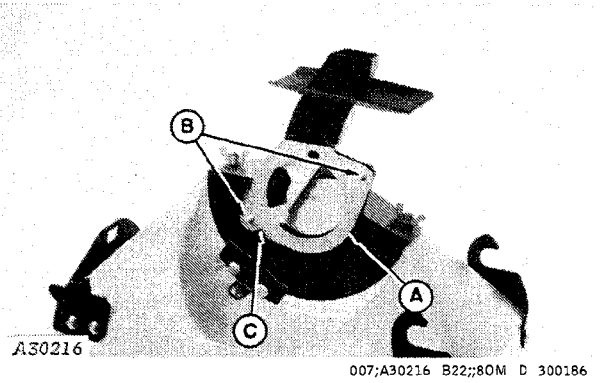


SOYBEANS, EDIBLE BEANS AND REGULAR-RATE SORGHUM/MILO FEED CUP

Assemble the feed cup housing (A) with the desired feed cup (B).



Install seed guide (A) on feed cup adapter so it seats properly on the mounting studs (B). Align notch (C) in seed guide with projection on adapter.

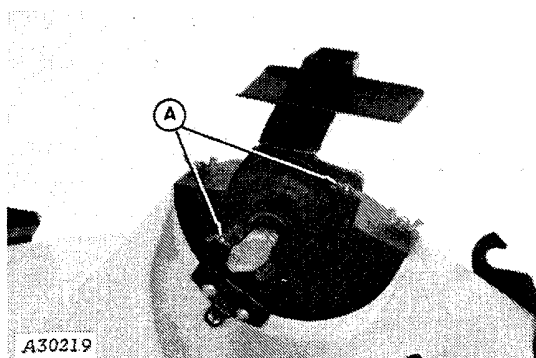


Operating Seed Meter

Secure feed cup and housing to adapter with wing nuts (A). Be certain aligning notch is located so feed cup housing seats properly.

Wipe off feed cup bushings periodically to help reduce wear.

IMPORTANT: Store the feed cup metering assemblies in a clean, dry place while they are not in use.



A30219

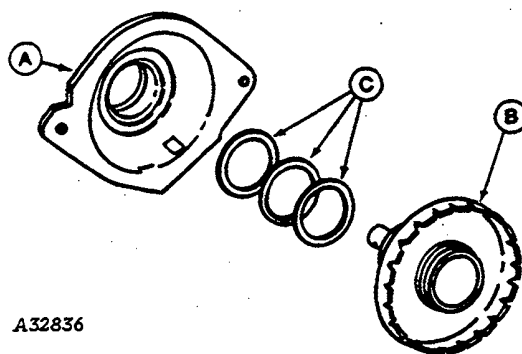
007;A30219 B22;;80M E 300186

LOW-RATE SORGHUM/MILO

Before assembling the low-rate milo metering unit, you must determine the size of the seed. You can accomplish this by using a seed sizing kit, available from your John Deere dealer.

NOTE: The three washer shims must be used with the low-rate feed cup. Do not operate without all three shims.

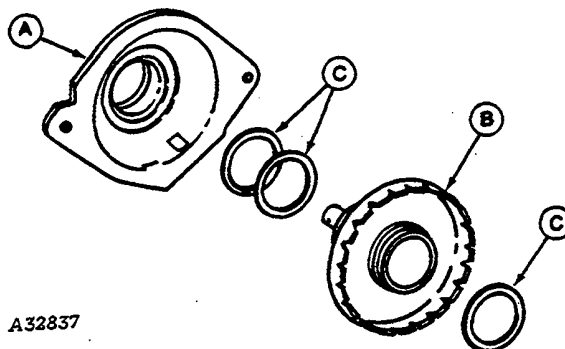
If the seed being planted will pass through the 3 mm (9/64 in.) screen by shaking vigorously, use three washer shims (C) between feed cup (B) and housing (A) only.



A32836

050;A32836 B05;;130I -AF 060387

If the seed being planted will pass through the 4 mm (10/64 in.) screen and not the 3 mm (9/64 in.) screen, use two washer shims (C) between feed cup (B) and housing (A) and one washer shim (C) between feed cup and seed guide.



A32837

050;A32837 B05;;130I -AG 060387

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