

Planter Parts

Parts guide



JOHN DEERE



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Why buy John Deere?

When you think of John Deere, certain things come to mind. **Quality. Reliability. Value.** We're proud of our reputation, and we've worked hard to earn it.

John Deere offers something that no one else can replicate — *the Genuine Value Difference*. We've designed reliability into each and every part, whether it's on the original equipment or a service part.

Designed-in reliability is what has given us our reputation and what your customers have come to expect. John Deere is driven by reliability and won't accept anything less. That is **Genuine Value**.

Tough specifications, precision manufacturing, and rigorous testing allow us to develop the best products and parts on the market. We use only the best materials available. And on occasion, we've even been known to invent a better material if we're not satisfied with what's commonly available.

John Deere components are produced with:

- Rigid specifications to ensure original-equipment fit.
- Torturous testing to ensure maximum performance in the most extreme conditions.
- Precision manufacturing to produce original-equipment parts — the same parts used in the assembly of John Deere planters.

Other parts may look the same, but there are big differences. No one knows the requirements of genuine John Deere parts like we do. Our quality and manufacturing processes are documented and audited so you can trust that every single John Deere part meets all of our stringent specifications.

- Genuine added value — all John Deere factories are ISO 9001 certified.

We all know that there are other companies in the industry after your business. Many will select one or two parts and offer them at a lesser value, without consideration of the effect on your customers' planters or their overall operations. All John Deere parts are engineered and designed to meet your customers' uncompromising demands for:

- Accurate seed placement and spacing.
- Decreased planting expenses.
- Better equipment resale values.
- Increased performance.
- Guaranteed satisfaction.

Each part is precisely designed and manufactured for a matched fit to ensure optimum machine performance. Mixing other parts into this complex planting system could jeopardize the equipment's performance, productivity, and resale value.

John Deere also offers added value with the following:

- Overnight parts availability through computerized dealer inventory and F.L.A.S.H. (Fast Locating and Special Handling) when next-day availability is needed.
- John Deere-trained service technicians who use tools specifically designed to fit the machine's systems, allowing them to fix it right the first time.
- Seasonal 90-day no-payment no-interest financing through John Deere Farm Plan™ (AgLine™ in Canada) (at participating John Deere dealers).
- The best planter resale value in the market.

The John Deere Genuine Value Difference means quality and reliability for your customers. They work hard every day and need to be able to depend upon their machinery to do the jobs they were created for. When they buy John Deere, they know what they're getting — the peace of mind that comes with owning John Deere equipment. And that is Genuine Value.

TRU-VEE™ OPENERS



Positive seed/soil contact at desired planting depth helps to improve germination. John Deere Tru-Vee™ opener Diamond Series blades are designed to cut a trench precisely to the selected depth. They slice out an almost perfect V-shaped trench to trap seed into positive contact with firm soil. The opener blades' special beveled edges make penetration easy, improve seed placement accuracy, and form consistent seed furrows while minimizing soil disruption and moisture loss.

Seed settles gently to the bottom of the trench surrounded only by firm soil. Germination-stealing air pockets are eliminated so roots can find water and nutrients quickly when the seed germinates. The firm seed trench walls begin good seed-soil contact that makes it easy for seed to root and grow rapidly beyond the risky seedling stage.

To ensure Tru-Vee opener Diamond Series blades continue to cut at the exact depth selected, adjustment for wear is required. This easy operation is done by moving the washers from the inside surfaces to the outside surfaces until the blades meet at the proper point for correct depth control.



The use of opener blades other than John Deere may not give the proper depth to the trench or the assurance of seed placement.

Tru-Vee opener Diamond Series blades are manufactured with a combination of new, unique micro-alloy material and manufacturing fabrication techniques. The opener blades are inspected to make sure they meet John Deere's stringent specifications. These products will reduce service costs by increasing service intervals and enable repair of used equipment to high performance condition. This will allow customers to reduce their input costs while increasing equipment performance and productivity.

In order to form a well-defined furrow and properly cut trash, blades must touch for approximately two inches during soil contact. If this two-inch contact is not achieved due to blade wear, or if the blade diameter is below 14 inches 35.56(cm), the blades should be replaced. Also, replace blades if damage caused by rocks or stumps, results in an irregular seed furrow.

The sealed bearing provides longer life in dirty conditions. The blade should be checked frequently for easy rotation. A seized or worn bearing will cause irregular rotation resulting in an irregular seed furrow.

Tru-Vee opener blade with bearing



Description	Part number
Tru-Vee opener (3 mm).....	AA55927
Tru-Vee opener (3.5 mm).....	AA53860
Tru-Vee opener (3.5 mm)	AA65457
heavy-duty blade with XP double-row bearing retrofit for John Deere ME2 and ME+	
3.5 mm heavy duty blade	AA65248
w/ double-row bearing for XP row-unit	
Stud kit for blade retrofit for	AA66947
ME2 and ME+	

Seed tubes

Choose LED or infrared sensors and tubes for MaxEmerge™ Planters or infrared sensors and tubes for MaxEmerge 2™ and MaxEmergePlus™ Planters. Infrared sensors give you the best rate counts in high-volume soybeans, sorghum, and sugarbeets.



Description	Part number
For red-light-emitting diode sensors:	
Regular curved seed tube, ME	A74931
Large curved seed tube, ME.....	A26184
For infrared sensors:	
Flush Face Seed Tube.....	AA67780
ME2/ME+/XP row-unit	
Large curved seed tube,	A56786
ME2/ME+/XP row-unit	

Sensors and seed tubes

Description	Part number
Infrared sensor with regular curved seed tube, ME	AA58287
ME2/ME+.....	AA58282
Infrared sensor with large curved seed tube, ME	AA58288
ME2/ME+.....	AA58285
Infrared sensor with sugar beet seed tube, ME2/ME+	AA58286
Flush Face Seed Tube, account sensor	AA67779
Flush Face Seed Tube, regular sensor	AA67778
Seed tube guard (each kit contains enough for 2 row units)	AA68468

Sensors, LED

Description	Part number
3-lead, ME	AA27652
Cannon, ME	AA30829

Sensors, infrared

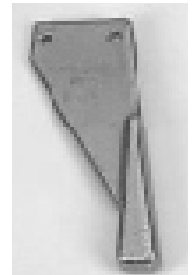
Description	Part number
Weatherpack	AA58293

Connector adapter for infrared sensors

Description	Part number
3-lead.....	AA40212
Cannon.....	AA40213

Seed tube guard

This durable, nodular-cast-iron guard is positioned directly in front of the seed tube, protecting it and maintaining proper spacing between the disk blades. It also prevents opener blades from contacting seed tube sides, and reduces soil buildup on the blades.



Before each planting season, the guard should be measured and replaced if worn to or below these dimensions: 12 mm for A54868 (straight guard); 17 mm for A61577 (curved guard).



Description	Part number
Seed tube guard kit, straight	AA43276
Seed tube guard kit, curved	AA54755
Seed tube guard kit, (XP row-unit) straight	A80173
Seed tube guard kit, (XP row-unit) curved	A80203

GAUGE WHEEL AND GAUGE WHEEL ARM ASSEMBLY

Gauge wheel



The gauge wheel and the Tru-Vee opener blades work together to form a well-defined seed furrow of consistent depth. The wheel must be closely positioned next to the opener blade. The gauge wheel firms soil on seed-trench edges with a minimum of seedbed compaction and provides flotation for seed-bed openers in loose soils. The strong semi-pneumatic rubber tire flexes to help shed soil.

The Select Series includes the standard John Deere gauge wheel tire (A84050), the Reduced Inner Profile (RIP) gauge wheel tire (A84451), and gauge wheel assembly.

- Reduces sidewall compaction in heavy, wet, no-till conditions
- The RIP tire is not recommended for light sandy soils or conventionally tilled soils

The gauge wheel tire and gauge wheel assembly are offered for MaxEmerge XP™ row units. A gauge wheel tire is offered for ME, ME2, and ME Plus row units. The XP assembly can be retrofitted to earlier row units. However, the XP gauge wheel arm (A79648, arm only) is required due to the open center bearing on the XP assembly.

NOTE:

- Always use the proper gauge wheel tire for the appropriate row unit – do not mix and match gauge wheel tires and row units
- RIP parts are only available through service parts
- RIP parts can not be ordered on a new planter

Description	Part number
Gauge wheel w/bearing (metal)	AA35392
Gauge wheel w/bearing (nylon)	AA41359
Gauge wheel (RIP).....	AA67083

Gauge wheel tire/single disk fertilizer opener tire



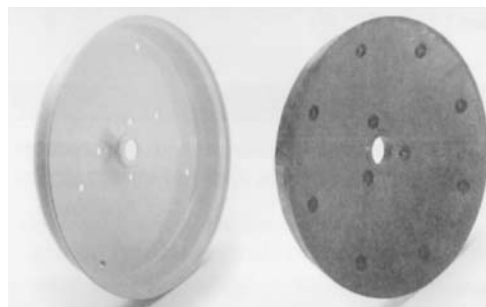
The gauge wheel tire helps create the well-defined seed furrow by restraining and slightly firming the soil on either side of the Tru-Vee opening. The face of the tire is positioned to lightly contact the disk blade to minimize soil buildup. The tire's lip helps create the firming action. Replace the tire if its lip is worn or the surface is damaged.

A similar but narrower tire is used on the single-disk fertilizer opener. This tire helps ensure accurate depth of the opener.

Description	Part number
Gauge wheel tire	A84050
Single-disk fertilizer opener tire	A49918
RIP gauge wheel tire (XP row-unit) ..	A84451
RIP gauge wheel tire	A84450

(ME, ME2, and ME-Plus)

Gauge wheel disk half



The gauge wheel disk half is designed to give the tire support and proper alignment while firmly holding the wheel's bearing. The disk half can become damaged if operating in rocks or severe no-till conditions. Replace when damaged to ensure proper depth gauge and seed furrow formation.

Description	Part number
Wheel half	A22780
Wheel half (outer-nylon)	A56565
Wheel half (inner-metal)	A56621

Gauge wheel arm



A worn arm will cause the wheel to move away from the blade, creating a deterioration of seed-furrow definition and increasing the opportunity for gauge wheel plugging.

The gauge wheel arm is mounted to and pivots on a spindle on the shank. When this spindle or the arm becomes worn, the arm becomes loose and the gauge wheel cannot be properly positioned next to the opener blades. Replacement of the arm and bushing will correct this problem without the need to replace the entire shank. Be sure to properly position the gauge wheel against opener blade assemblies.

Description	Part number
Gauge wheel arm.....	AA41968
Gauge wheel arm (XP row-unit).....	A79648
Gauge wheel arm (ME+) (arm only).	A79647

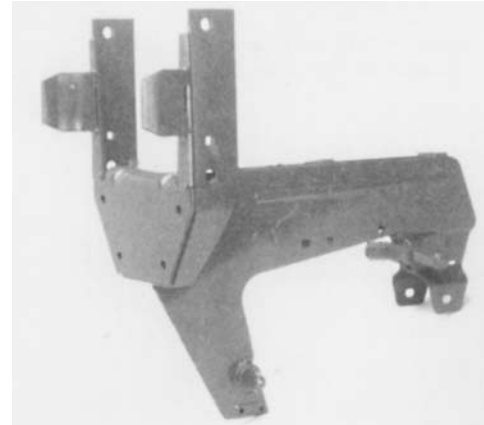
Closing wheel and bearing

The semi-pneumatic rubber tire with light, noncorroding aluminum wheel halves provide long life. Angled closing wheels trail behind the seed opener and close the furrow by firming soil around the seed while minimizing soil compaction directly above it. Inspect tires for wear or damage and the wheel for smooth rotation before and during planting season.



Description	Part number
Closing wheel/bearing, heavy-duty ..	AA34350
Closing wheel/bearing	AA43899
Closing wheel/bearing	AA43898
Closing wheel/bearing	AA39968

Tru-Vee shank



Make certain the shank assembly is in alignment. Misalignment is usually caused by severe twisting action from operational misuse. A misaligned shank can create unusual wear on opener and closing wheel parts, and contribute to poor seed placement performance. Replace shank if it cannot be properly realigned.

Description	Part number
Shank (MaxEmerge)	AA36650
Shank (MaxEmerge 2, MaxEmergePlus)	AA48245
Shank with arms.....	AA41374
Shank (XP row-unit)	AA59352 (for face plate)
Head, for XP shank	A83257
Tail, for XP shank.....	A81422

Gauge wheel bearing

The wheel bearings operate in very dusty conditions. Check bearings frequently and replace if they do not rotate easily.



Description	Part number
Bearing	AA35741
Bearing	AN131668
Bearing (XP row unit).....	AA212132

VACUMETER™ SYSTEM

The vacuum meter is the most versatile planting system, with adjustable vacuum settings for dependable accuracy in a wide range of planting needs. It will plant a wide variety of crops and handle a large range of seed sizes. This unique planting system has only one moving part, which reduces maintenance requirements. Seed metering disks are available, which allows for planting a variety of seed types.

The meter fits 7200, 7300, and all 1700 Vacuum Planters. A vacuum metering system is offered for sweet corn, including super sweet varieties (knocker wheel, double eliminator, and sweet corn seed disks are required)

Visually check the following wear points before each use season. These areas will cause erratic seed spacing or variance in population if worn.

- Seed disk — check seed cells for wear
- Vacuum seal — look for torn seal or an area not making contact with disk
- Housing divider brush — brush deformation will be noted at the point where seed disk agitation fins pass through the brush. Deformation is acceptable unless seeds are able to pass through
- Knocker wheel — sugar beet/sorghum, sweet corn and edible bean (flat type) — wear at the tip
- Seed disk wiper — contacts disk properly and wipes full surface. Eliminates trash/chips in vacuum hole
- Bearings — must turn freely
- Double eliminator — wear on the edge



VacuMeter™ system shown with additional ProMax 40™ flat seed disk knocker wheel and double eliminator



AA68704

VacuMeter system assy. forAA68704
John Deere MaxEmerge 2 and
John Deere MaxEmergePlus Planters

Description	Part number
Chamber.....	AA57258
Seal (1986-1991) (all planters).....	H135861
Seal (1991-2005)	A52259
(all planters except ProSeries row-unit)	
Seal (serial no. 715101-)	A74191
(ProSeries 2005- row-unit, all planters)	
Wear ring (-1990).....	A44867
Scraper	AA37076
Brush	AA32868
Brush – medium and large	AA37206
edible beans	
hilldrop cotton, peanuts	
Inner seal.....	A46670
Housing (-1990)	AH134321
Housing (1991-)	AA37129
Housing (ProSeries row-units only) ..	AA61394
Seed disks.....	See end of
	document for
	listing

Double eliminators:

ME2, ME+, MEXP	AA61046
Pro Model yr 08 and newer.....	AA68703
Model yr 07 and older	AA62072

Note: See pages 24-25 for seed disk options.

VACUUM METER SEED DISKS

Seed disk



Unique seed disk cells allow planting of a variety of seed sizes without adjustment, and provides accurate spacing and population for single seeds.

Description	Part number
ProMax 40	A52391
Additional seed disks.....	See end of document

The ProMax 40 will require AA61046 double eliminator ME2, ME+, MEXP and the knockout wheel AA37348

Knocker assembly

The knocker assembly must be working freely to ensure proper seed flow.



Description	Part number
Knocker assembly	A53272
Knocker – sugarbeets/sorghum	AH129125
Knocker – ProMax 40.....	AA37348
Knocker – edible beans only	AA38844

Radial bean meter



AA49208



AA48999

The radial bean meter fits MaxEmerge (ME), MaxEmerge 2 (ME2), MaxEmergePlus (ME Plus), and competitive planters, and provides the best population control for soybeans. The meter is a better value than competitive brush meters with 40 to 50 percent fewer moving parts to maintain. Use the radial bean meter with planters equipped with finger-pickup.

The seed bowl picks up single soybeans and the knocker wheel pops oversized or incorrectly seated beans back into the reservoir. The meter seeds one at a time for better population control and better in-furrow seed spacing. With only two moving parts, the meter extends wear life up to three times longer than current brush-type meters. Use powdered graphite when using the meter.

Inspect the whole meter annually for chemical buildup and wear. Check the singulating brush and replace if grooved or worn down to the same height as the green brush ring. Check the knocker wheel and bump for wear. Inspect seed regulator (A56382) for cracks or stiffness.

Application	Part number
ME2, ME Plus Planters, 1535 Drills .	AA49208
ME, Kinze, Black Machine,	AA48999
Great Plains, New Idea Planters	

PLATELESS SEED METERS

Plateless systems include the finger-pickup and the feed-cup metering systems.

Finger Pickup



The finger pickup meters a wide variety of corn and sunflower seed sizes. The corn meter handles all sizes of corn without additional parts or sensitive adjustments. The sunflower meter handles No. 3, 4, and 5 sunflower seeds.

The meter fits MaxEmerge, MaxEmerge 2, MaxEmerge*Plus*, MaxEmerge XP, and some competitive planters. It also fits 1535 Drills. A close examination and repair or replacement of worn parts prior to each use season is essential to maintain maximum operating performance.

Description	Part number
Complete meter, MaxEmerge	AA60537
Complete meter, MaxEmerge 2,	AA60535
MaxEmerge <i>Plus</i> , MaxEmerge XP	

Finger pickup assembly



The finger-pickup assembly is the most critical element of the meter assembly. It must be dimensionally correct and fit flush against the carrier plate. Proper spring tension is another element to good meter performance. John Deere design assures the needed dimensional correctness and spring tension to maintain the ultimate operational performance. Replace stretched or broken springs as needed. A finger assembly that does not fit flush to the carrier plate or contains loose fingers will give poor population control.

Description	Part number
Finger assembly	AA60534
Finger assembly — sunflower	AA31262
Carrier plate and brush	AA35644
Seed brush	AA35660
Seed belt	A67976
Deflector	A65626
Deflector	A47532
Bearing	AA21289
Bearing	AA35659

Feed cup



The feed cup meters a variety of crops such as soybeans, edible beans, sorghum, cotton, and sunflowers. It fits MaxEmerge, MaxEmerge 2, and MaxEmergePlus Planters.

Before planting, the wobble or run-out should be checked in the feed cup. If run-out is in excess of the specifications for the specific type of feed cup found in the operator's manual, replace the feed cup.

Inspect the seed cells in the feed cup before planting season for wear or build up of seed treatment material. Worn cups will provide uneven seeding. When replacing worn cups, replace all rows on the machine to keep the seed rate even across the entire planter.

Description	Part number
Feed cup, soybeans	AA26713
Feed cup, sorghum	AA29648
Feed cup, milo.....	AA25319
Feed cup, sunflower.....	AA27934
Feed cup, edible bean.....	AA26714

Carrier plate



The carrier plate is made of case-hardened steel with a hard, chrome-plated wear surface. Normal operation will result in wear. As the finger assembly rotates, the seeds picked up by the fingers slide over the dimple in the carrier plate. The rocking action of the finger tab that occurs when the seed slides over the dimples causes the extra seed to fall back into the seed-metering chamber, leaving only one seed per finger.

Excessively worn dimples result in poor performance and overpopulation. Replace the carrier plate when a groove is detected in the dimpled area.

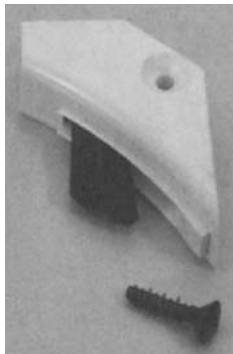
Carrier plate life can be shortened by:

- Operating planters without seed hopper lids, allowing dust and other abrasives to reach wear surfaces
- Failure to use graphite as a lubricant
- Improper storage and clean out

Description	Part number
Carrier plate and brush	AA35644

Seed meter brush

The function of the seed meter brush is to eliminate multiple seeds held under the individual fingers. If the brush is worn, overpopulation will result. Brush length is acceptable if it covers at least 1/2 of the finger tab. Measurements should be taken when the finger first contacts the brush. Also, be sure to examine the condition of the brush bristles closest to the carrier plate surface. Brushes should be replaced yearly or after 100 hours of use.



Description	Part number
Seed brush	AA35660

Seed delivery belt



The seed delivery belt receives the seed from the finger-pickup assembly and carries it to the top of the seed tube. Chemicals can gradually destroy this belt. The damage occurs slowly with the belt becoming stiff and brittle, resulting in poor seed control. Broken tabs result in improper seed placement. Inspect belt yearly.

Description	Part number
Seed belt	A67976

PLATE SEED METER

Retaining ring

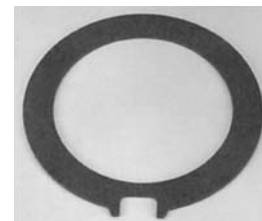
The plate and seed meter system is used for a wide variety of crops. They include peanut, cotton, seed corn, sugar beets, and soybeans. Prior to the vacuum meter system, this unit was very popular in areas where peanuts, cotton, and sugar beets are grown.



Description	Part number
Plate seed meter	A46860
Knocker wheel.....	AA27815
Knocker wheel (ProMax 40).....	AA37348
Hopper bottom plate.....	A47483
Retaining ring	A47482
Drive plate	B28725
Double eliminator (2 rows)	AA61046

Seed plate

A worn seed plate will affect desired rates of seed spacing and population.



Description	Part number
Seed plate	A44988

Floor plate

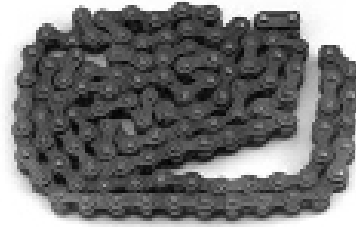
Examine the floor plate for excessive wear, grooves, or gouges. A malfunctioning floor plate can produce a higher-than-desired seed rate.



Description	Part number
Floor plate	A47483

Chains

A well-functioning chain is extremely important to ensure top performance of your planter. A chain with erratic movement will result in poor seed spacing, poor liquid or dry fertilizer application, and poor granular chemical application.



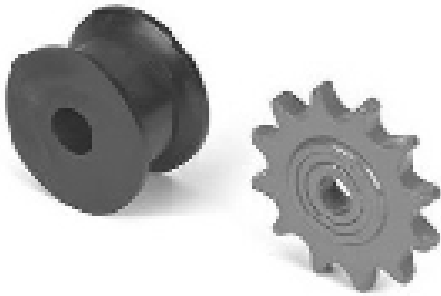
Check before the use season and during operation for worn, rusty, and stiff chain.

Part number	Chain links/size
Drive wheel chains:	
Plate seed meter	A46860
AA22372.....	56 links/#2050
AA37881.....	53 links/#2050
AA37980.....	113 links/#50
AH131563.....	116 links/#50
AA36324.....	54 links/#2050
Seed transmission:	
AA21484.....	38 links/#2040
AA21483.....	44 links/#2040
AA32250.....	86 links/#40
AA32249.....	105 links/#40
AA35365.....	104 links/#40
AA35503.....	128 links/#40
AA38451.....	65 links/#40
AA40973.....	56 links/#40
AA41262.....	66 links/#40
Row unit:	
AA20978.....	98 links/#41
AA33060.....	112 links/#41
Insecticide/herbicide:	
AA43719.....	100 links/#41
AA42795.....	103 links/#41
AA33048.....	104 links/#41
AN161203.....	113 links/#41
Fertilizer:	
AA21523.....	51 links/#2040
AA32257.....	93 links/#40
AA32255.....	64 links/#40
AA35503.....	128 links/#40
AA39722.....	108 links/#40
AA39728.....	117 links/#40

Recommended Lube:

Part number	Description	Size
TY6350.....	Multi-purpose spray lubricant.....	16 oz./435 g aerosol can
CTXY6350.....	Multi-purpose spray lubricant.....	16 oz./435 g (Canada ONLY)
TY6371.....	Multi-purpose spray lubricant.....	1 qt./.946L bottle
TY6366.....	Multi-purpose spray lubricant.....	1 gal./3.78L container
TY26350.....	Chain & Cable Lubricant.....	15 oz./425g
TY25398.....	Dry Film Aerosol Lubricant.....	15 oz./425g

Chain idler



Chain idlers are designed to keep the chain properly aligned and the correct amount of tension on the chain. Maximum idler, chain, and sprocket life are achieved when the chain is properly aligned and the idler is on the non-tension side of the chain. The chain idlers are made from tough, black Celcon™* plastic. This material was chosen because of its wear characteristics, economical cost, and its ability to work in conjunction with bushings.

The idlers are easily replaced with the removal of just one bolt or snap ring (depending upon the style of planter).

Examine all chain idlers before and during the planting season for excessive grooving or inner hole wear. Grooving can cause chain alignment problems. Enlargement of the inner hole can cause misalignment, resulting in the chain jumping off the sprocket.

Description	Part number
Chain idler, drive wheel.....	A22628
Drive wheel (sprocket).....	AA32776

*Celcon is a third party trademark, used with permission.

Clutch



The drive clutch should be checked frequently to ensure it will engage/disengage freely. Broken or severely worn teeth will cause improper engagement or failure of planter operation.

Description	Part number
Driver.....	H135401
Cam.....	A52295
Lever.....	A52296

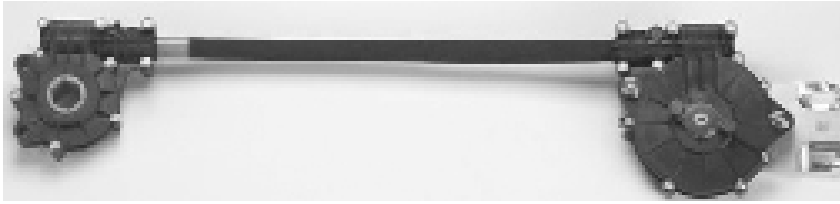
Bearings

Check all bearings before and during the use season to be sure they turn freely. A dry or worn bearing will drastically affect the smooth performance of the planter.



Description	Part number
MaxEmerge and Kinze planters (-1993)	AA49566
MaxEmerge 2 Planters (-1991)	AA49567
MaxEmerge 2 Planters (1992-1995)	AA49568
MaxEmergePlus and White planters	AA49569

PRO-SHAFT DRIVE ENHANCEMENT KITS



These kits will fit on most John Deere MaxEmerge 2, John Deere MaxEmerge Plus and MaxEmerge XP row units.

The Pro-Shaft™ drive enhancement kit replaces the chain, sprocket and idlers on the row unit.

- Durable, lubed for life and low maintenance
- Reduce chain knock-offs in high-residue planting situations
- No more need for trash shields on your planter
- Skips in the field are reduced due to the decrease of chain knock-off and rusty chain links
- Chain and sprocket maintenance is reduced, so you can stay in the field longer

Benefits

- Reduced maintenance
- More productivity
- Improved reliability

Pro-Shaft drive enhancement kit is compatible with most MaxEmerge 2, MaxEmerge Plus, and MaxEmerge XP row units.

- Pro-Shaft drive **is not compatible with** row units with dual-bag pneumatic down force. The kit is compatible with single bag pneumatic down force on new planters
- Pro-shaft drive **is not compatible with** herbicide/insecticide boxes since we can drive one box per Pro-Shaft drive
- Finger pickup planters require a sprocket change in the transmission to meet required gear/drive ratios need to achieve desired rates
- Additional parts will be required to install the Pro-Shaft drive enhancement kit (primarily bearing hangers and hardware)



Description	Part number
Pro-Shaft drive enhancement kit, vacuum meter, regular parallel arms (John Deere ME 2, MaxEmerge XP, ME Plus)AA62896
Pro-Shaft drive enhancement kit, finger pickup, regular parallel arms (John Deere ME 2, MaxEmerge XP, ME Plus)AA62897
Pro-Shaft drive enhancement kit, vacuum meter, long parallel arms (John Deere ME 2, MaxEmerge XP, ME Plus)AA62898
Pro-Shaft drive enhancement kit, finger pickup, long parallel arms (John Deere ME 2, MaxEmerge XP, ME Plus)AA62899

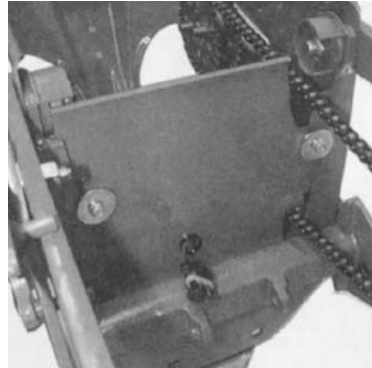
Additional parts needed to install kit
The quantity of additional parts needed may vary according to model.

Description	Part number
Hex clamp used on drill shaft (John Deere ME 2, MaxEmerge XP, ME Plus)A53746
Bolt for hex clamp (John Deere ME 2, MaxEmerge XP, ME Plus)19M7295
Nut for hex clamp (John Deere ME 2, MaxEmerge XP, ME Plus)14M7273
Bearing hanger for drill shaft (John Deere ME 2, MaxEmerge XP, ME Plus)AA35646

PRO-SHAFT DRIVE ENHANCEMENT KITS

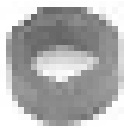
Residue shield

For tough, no-till field conditions, use the residue shield to protect chain, reduce trash build-up, and reduce routine maintenance costs. The shield is designed especially for MaxEmerge 2 and MaxEmergePlus Planters. It will protect chain from stalks and other residue in tough field conditions to provide more uptime and lower maintenance costs.



Description	Part number
Residue shield.....	AA50341

Slide idler kits



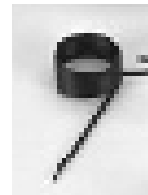
Idler insert



Stepped bushing



Idler assembly



Spring

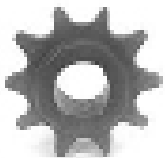
Row units can be updated with both the high-residue seed drive idler kit and high-residue herbicide/insecticide idler kit. Two-row kits include idler assemblies, stepped bushings, and springs (idler inserts are available individually).

provides up to three times more wear life than original skid idlers. The snap-together design allows for quick and easy installation. No chain disassembly is required. Kits are available for MaxEmerge, MaxEmerge 2, MaxEmergePlus, Kinze™*, and Black Machine™* planters.

The hex idler insert has multiple surfaces and

Description	Part number
High-residue seed drive idler kit.....	AA49014
High-residue herb/insect idler kit.....	AA49015

Sprocket idler kits



Specially designed sprocket idler is great in conventional tillage applications. Sprockets ensure proper tension and chain travel for smoother operation. They also provide increased wear life over slide- and roller-type idlers. However, they

are not recommended in no-till conditions. Seed meter drive kit for MaxEmerge, MaxEmerge 2, MaxEmergePlus, Kinze, and Black Machine planters. Herbicide/insecticide drive kit for ME2 and ME Plus Planters.

Description	Part number
Seed meter drive kit	AA43277
Herbicide/insecticide drive kit.....	AA43282

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Row unit relife kit

Give new life to older MaxEmerge and other brands of planters with this labor-saving preassembled unit. The kit includes a complete row unit with many upgrades and improved features that ensure valuable benefits for customers. The preassembled unit provides these upgrades:

MaxEmerge*Plus* gauge wheel arm with:

- The exclusive AirMax® adjustment system that provides quick, easy, and variable adjustments
- Stronger arm material that ensures longer wear life

MaxEmerge*Plus* gauge wheels with a concave profile that:

- Reduces rocks and residue from being picked up and thrown onto the drive chains and row unit
- Prevents “rooster tailing” in loose soil

Adjustable closing wheel arm kit with:

- Easy T-handle adjustments for a variety of settings
- Eccentric (off-center design) bushing alignment for centering over seed trench
- Offset closing wheel capability for better residue flow

MaxEmerge*Plus* closing wheels with:

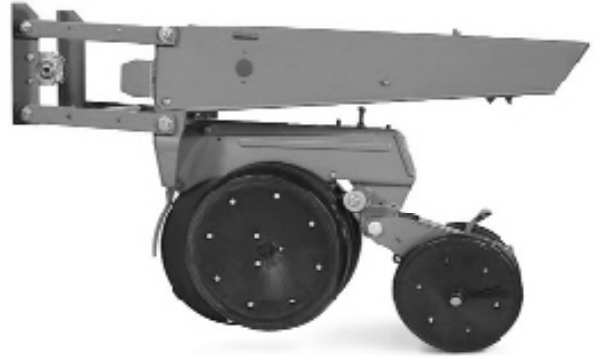
- Long-wearing, heavy-duty bearings
- Smooth-side, tough nylon wheel halves that prevent throwing rocks and residue

MaxEmerge*Plus* sprocket idlers with:

- Cleaner chain environment to ensure smoother operation and longer wear life

MaxEmerge*Plus*-style seed tube guide and guard with:

- More wear surface on the guard for longer life
- Better seed tube centering between the blades

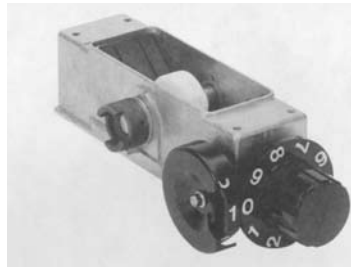


Description	Part number
Relife kit for MaxEmerge Planters (Models JD 7000, JD 7100, and pre-1998 Kinze planters.)	AA47050

Chemical-saver metering kits

The single chemical-saver meter is completely assembled to factory specifications and ready to install. It includes the chemical-saver meter roller, which saves chemical costs.

The chemical-saver metering system kit reduces chemical waste and is applicable to 95 percent of chemical usages. When applying more than eight ounces of chemical per linear feet, it uses the chemical-saver meter roller. Kit contains two rollers and two adapters and is for MaxEmerge 2 and MaxEmerge*Plus* Planters.

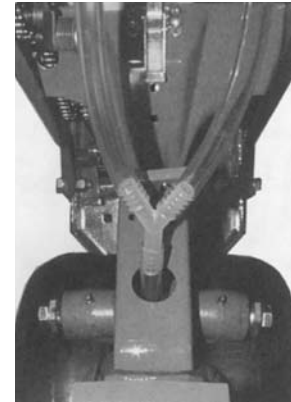


Description	Part number
Single chemical-saver metering kit ..	AA38067
Chemical-saver metering kit.....	AA41608
Chemical-saver meter roller	A50863

Herbicide/insecticide applications

Dual in-furrow chemical bracket is easy to install and allows application of two in-furrow chemicals without mixing products. Chemicals can be applied closer behind the disk opener for better performance in dryer, lighter soil. Fifty percent stronger than single in-furrow bracket. Updates MaxEmerge 2 and MaxEmerge*Plus* Planters.

High-flow “Y” tube for dual chemical applications is 50 percent larger than previous John Deere “Y” tube. Use on MaxEmerge, MaxEmerge 2, MaxEmerge*Plus*, Kinze, Black Machine, and White planters.



Description	Part number
Dual in-furrow chemical bracket.....	AA48695
High-flow “Y” tube.....	A64450

Fertilizer fitting kit

The fertilizer fitting kit stops leaking pipe fittings on fertilizer fill systems. The enhanced flange pipe connectors eliminate pipe threads to prevent leakage, provide easy alignment of elbow fittings, and are easy to install and allow re-use of existing hose. Use connectors to update all John Deere 1760, 1770 12-Row and 1780 23-Row Planters. Additional parts may be required with 1770 and 1780 Planters.



Description	Part number
Fertilizer fitting kit	AA48696

Drive chain sprocket kit

The parts listed below are for use on John Deere 7000/7100 Four- and Six-Row Planters, 7200 Drawn Planters, and 1750 Standard Four- and Six-Row Planters.

Description	Part number
Chain sprocket	A24930
Spring	B12516
Pin fastener	B32701

Walking gauge wheel kit

The walking gauge wheel kit provides more depth control in rough conditions and a larger pivot area than the competitors' kits for longer life. This unit uses the same reliable rocker and bolt as used on MaxEmergePlus Planters. The kit includes stop, bolt, and lock nut. Rocker bolts are replaceable for low-cost maintenance.



AA48683

Description	Part number
Walking gauge wheel kit (ME).....	AA48683
Walking gauge wheel kit	AA57482
(ME2 and ME Plus)	
Wheel kit for ME2, ME+, XP	BA28164

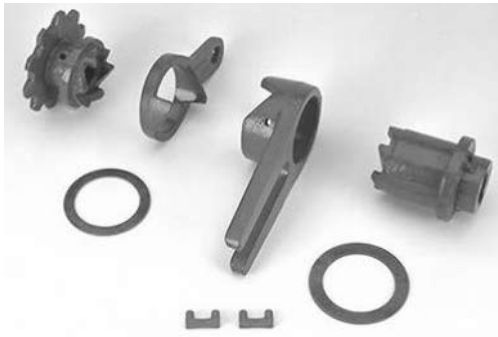
Wearloc™ seed tube guard and guide kit

John Deere seed tube guards have more wear surface providing better seed tube protection, longer guard wear, and reduced seed tube wear. Seed tube guides provide enhanced seed placement, centering of seed tube in the shank, and increased seed tube wear life. Kits contain two seed tube guides, two seed tube guards, and four roll pins.

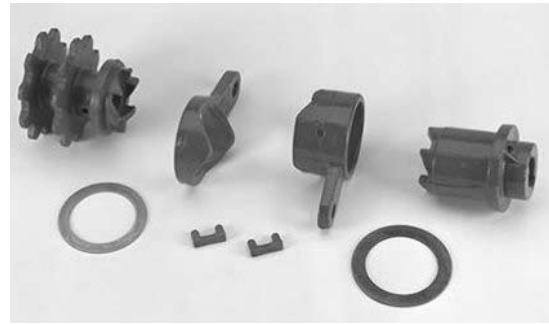


Description	Part number
Kit for curved seed tubes	AA54755
Kit for straight seed tubes	AA43276

Countershaft drive kits



AA48708



AA49211

Countershaft drive kits include top-quality, Genuine John Deere parts for rebuilding 7000 Series MaxEmerge Planters. Kits are available for four-, six-, eight-, and 12-row planters. Kits include clutch sprocket, washer, throwout cam, throwout lever, washer, clutch driver, and shaft drive lug.

Description	Part number
Countershaft drive kit	AA48708
for 8- and 12-row MaxEmerge Planters	
Countershaft drive kit	AA49211
for 4- and 6-row MaxEmerge Planters	

Closing wheel arm kits

Adjustable closing wheel arm kit updates MaxEmerge, Kinze, and Black Machine planters. Convenient “T” handle easily adjusts to a variety of setting for different soil conditions. Eccentric bushings easily adjust to apply proper pressure to each side of trench. Offset closing wheel capability enables trash to flow through closing wheels.

Kit contains bolts, bushings, spring, handle, closing wheel arm, washer, carriage bolt, eccentric bushing, and lock nuts.

Wheel options

You can use existing closing wheels and closing wheel adapter to save money. Order one each of both the adapter and the closing wheel arm kit. Or you can upgrade to new MaxEmerge*Plus* closing wheels. Nylon half-wheels are dent resistant and contain heavy-duty bearings that provide greater durability. Order two wheels and one arm kit.



AA44266

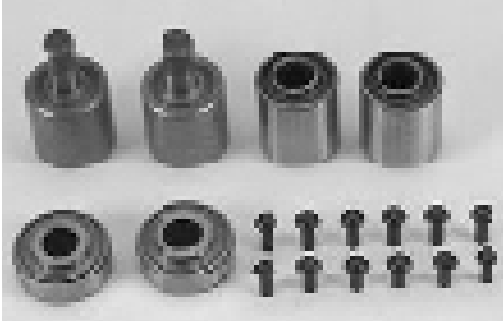


AA48671

Description	Part number
Closing wheel arm kit.....	AA44266
Closing wheel.....	AA39968
Closing wheel adapter.....	AA48761

Complete bearing kits

Convenient bearing kits can be carried while in the field for quick repair and are less expensive than individual parts. Kits contain two opener bearings, 12 opener rivets, two gauge wheel bearings, and two closing wheel bearings.



Description	Part number
Bearing kit for MaxEmergeAA49566 and Kinze planters (-1993)	AA49566
Bearing kit for MaxEmerge 2AA49567 Planters (-1991)	AA49567
Bearing kit for MaxEmerge 2AA49568 Planters (1992-1995)	AA49568
Bearing kit for MaxEmergePlusAA49569 and White planters	AA49569

Complete meter assemblies



AA60537



AA60535



AA68704

Finger pickups meter a wide variety of corn and sunflower seed sizes. It's very important to examine meters prior to each season and replace worn parts. Using the factory-assembled finger-pickup units will save time and money. A completely assembled VacuMeter system is also available.

Description	Part number
Finger-pickup assy. forAA60537 John Deere MaxEmerge, Kinze, Black Machine, Great Plains, and New Idea planters	AA60537
Finger-pickup assy. forAA60535 John Deere MaxEmerge 2 and John Deere MaxEmergePlus Planters	AA60535
VacuMeter system assy. forAA68704 John Deere MaxEmerge 2 and John Deere MaxEmergePlus Planters	AA68704

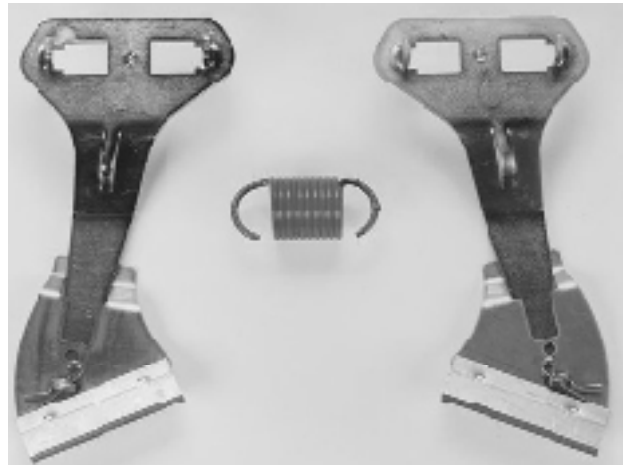
PLANTER ATTACHMENTS

Tungsten carbide scrapers for competitive planters

We offer tungsten carbide scrapers for John Deere and competitive planters. These scrapers will outlast and outwear most standard planter scrapers. The majority of the scraper is made from stainless steel to resist corrosion and enhance durability. The scraper features a special tungsten carbide cutting edge. Tungsten carbide provides outstanding abrasion resistance along with toughness to give superior long-lasting performance and will reduce the need for replacement.

The tungsten carbide scrapers will fit the following planters:

- John Deere 7000 Series Max-Emerge™ Planters
- John Deere 7200, 7300 Max-Emerge Plus Planters
- John Deere 1700 Series Planters
- Kinze™* planters
- CaseIH™* planters
- White™* 6100 Series Planters



AA62808 – tungsten carbide scraper assembly

Description	Part number
Tungsten carbide scraper assembly	AA62808

One assembly includes: Two scrapers, a LH and RH arm, and one spring for both arms, and 2 hairpin clips.

* Kinze, CaseIH and White are all third party trademarks and are used with permission.

Tungsten carbide scraper kit

Also available is a tungsten carbide scraper kit for John Deere and competitive planters. The scrapers will outlast and outwear most standard planter scrapers. The majority of the scraper is made from stainless steel to resist corrosion and enhance durability. The scraper features a special tungsten carbide cutting edge. The tungsten carbide provides outstanding abrasion resistance along with toughness to give superior long-lasting performance and will reduce the need for replacement.

The tungsten carbide scrapers will fit the following planters:

- John Deere 7000 Series Max-Emerge Planter
- John Deere 7200 and 7300 Max-Emerge Plus Planters
- John Deere 1700 Series Planter
- Kinze planters
- CaseIH planters
- White 6100 Series Planter



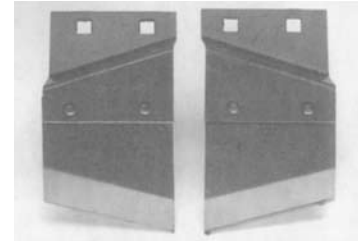
Tungsten carbide scraper kit – AA62559

Description	Part number
Tungsten carbide scraper assembly	AA62559

Note: One assembly includes: 1-AA58787 RH scraper blade, 1-AA58788 LH scraper blade, and 2-H132922 hairpins

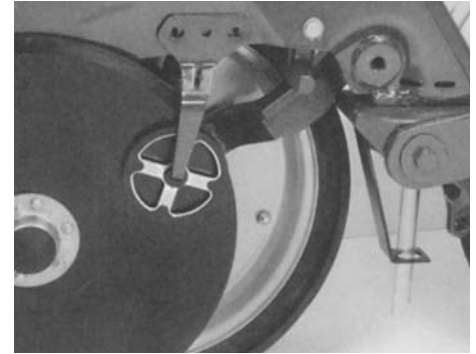
Tru-Vee Opener Scrapers

Description	Part number
Tru-Vee scraper, LH.....	AA26443
Tru-Vee scraper, RH.....	AA26444



Tru-Vee Opener Rotary Scrapers

In sticky or moist soil conditions, scrapers are needed to keep soil from building up on the Tru-Vee opener blades. Check for excessive wear, which allows soil buildup resulting in irregular seed furrow shape and possible opener system plugging. Offered in metal or plastic rotaries. Scrapers fit 1530 and 1535 Drills and MaxEmerge 2 and MaxEmerge*Plus* Planters. They also fit MaxEmerge Planters with a template to retrofit.



Description	Part number
Tru-Vee rotary scraper.....	AA37221

Rotary scraper kit

Heavy-duty rotary scraper

The rotating action of these scrapers provides for longer wear life than rigid scrapers. Choose from two types to update your MaxEmerge, MaxEmerge 2, MaxEmerge*Plus*, Kinze, or Black Machine planter. Kit includes parts for one row. Template required for proper alignment and installation on MaxEmerge, Kinze, and Black Machine planters. This scraper is used on MaxEmerge*Plus* Planters, and 1530 and 1535 Drills, and will also fit MaxEmerge Planters with a template to retrofit. Either type of scraper will update MaxEmerge, MaxEmerge 2TM, MaxEmerge*Plus*TM, KinzeTM, or Black MachineTM planters.



Heavy-duty steel kit – AA54727

Description	Part number
Heavy-duty steel kit.....	AA54727
Heavy-duty plastic kit.....	AA54726

Kit includes parts for one row. To update MaxEmerge, Kinze, and Black Machine Planters, a template is required to show where to drill. (Shown smaller than actual size). These are available at your local John Deere dealer.

Note: Also order DSPI6625, template to install AA62808 on Max-Emerge and Kinze planters.

Rotating action

- Longer wear life than rigid scrapers



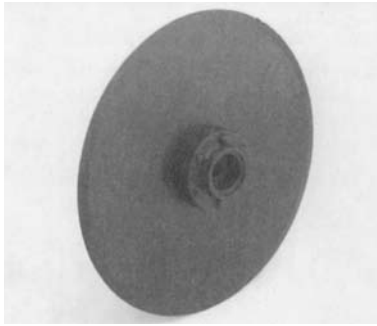
Drill 9.525 mm hole at each small hole in guide

Description	Part number
Template (pkg. of 50)	DSPI6625

Note: Also order DSPI6625, template to install AA62808 on Max-Emerge and Kinze planters.

PLANTER ATTACHMENTS

Fertilizer disk opener blade



The blades form a furrow for placement of liquid or dry fertilizer. If the disk is worn to the extent that a proper furrow is not constructed, replace to allow proper fertilizer placement.

Description	Part number
Diamond Series blade with bearing	AA57466

Cast fertilizer spouts



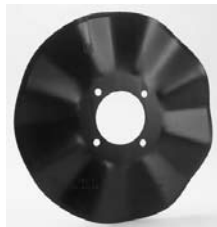
The spout directs the fertilizer to the furrow. Check before the use season for excessive wear or broken mounting brackets. A defective spout will not allow fertilizer to be directed to the proper depth in the furrow.

Description	Part number
Single-disk cast spout, RH.....	H139126
Single-disk cast spout, LH.....	H139125

No-till Diamond Series coulters



Bubble coulters



8-wave coulters



13-wave coulters



25-wave coulters

The coulters (bubble or fluted) open the seed beds in heavy residue or tough-to-penetrate soil conditions. Check for excessive wear and smooth rotation of coulters.

Description	Part number
Coulters, bubble	A72685
Coulters, 8-wave	A72686
Coulters, 13-wave	A72687
Coulters, 25-wave	A72699

Down force spring

The springs maintain proper idler tension or provide down force on row unit or fertilizer opener attachments. Replace broken or stretched springs. Springs are designed to have proper tension to ensure correct planter operation.

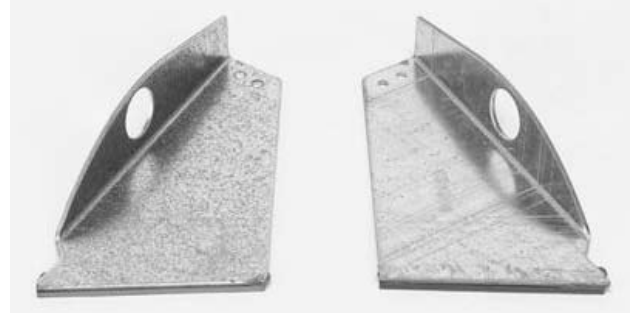


Description	Part number
Standard spring	AB10071
Standard spring	A43609
Dual spring	A52852
Heavy-duty spring	AA35876

Description	Part number
Heavy-duty spring	A43606
Heavy-duty spring	A49230
Heavy-duty spring	N188865
Heavy-duty spring (1992-).....	N134358

Double-disk fertilizer scrapers

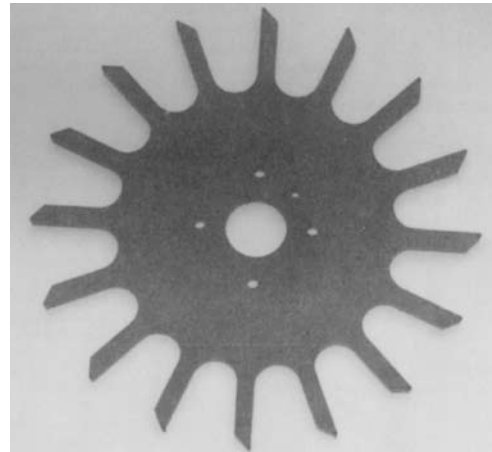
When operating in wet, sticky soil conditions, the fertilizer scrapers keep the double-disk opener clean. Replace scraper blades if worn to the point that they are ineffective or can no longer be positioned against opener disks.



Description	Part number
Scraper, inside, frame-mounted opener	B35913
Scraper, outside, RH.....	A72005
Scraper, outside, LH.....	A72006
Scraper, inside, RH, unit-mounted opener	A72005
Scraper, inside, LH, unit-mounted opener	A72006

Row cleaner wheel

With the increased popularity of conservation farming, residue management is becoming very important. The row cleaner wheel is designed to sweep away the residue ahead of the Tru-Vee opener. This row cleaner attachment is compatible with MaxEmerge, MaxEmerge 2, and MaxEmerge*Plus* Planters.



Description	Bundle number
Row cleaner unit, fits 700 and 1700 Series Planters	BA29778
Row cleaner unit (used with liquid double disk unit-mounted fertilizer opener), 1700 Series Planters	BA26995
Row cleaner unit (used with unit-mounted coulters), 1700 Series Planters	BA28224

CROPS AND SEED DISKS

Cell Disk						
Crop	Seeds per lb.	Disk name	Part number	No. of holes	Vacuum range (inch)	Hole diameter
Bean, Black Turtle	1900-2600	Small edible bean disk	H136468	108	8	3.5 mm
Bean, Cranberry	800-1200	Large edible bean disk	H136092	50	8	4.8 mm
Bean, Garbanzo	750-900	Large edible bean disk	H136092	50	8	4.8 mm
Bean, Great Northern	900-1300	Large edible bean disk	H136092	50	8	4.8 mm
Bean, Green (garden)	1000-2200	Medium edible bean disk	A51696	56	8	4.0 mm
Bean, Kidney (medium)	950-1150	Large edible bean disk	H136092	50	8	4.8 mm
Bean, Kidney (small)	1150-1400	Medium edible bean disk	A51696	56	8	4.0 mm
Bean, Navy	1800-2500	Small edible bean disk	H136468	108	8	3.5 mm
Bean, Pink Viva	1700-1950	Small edible bean disk	H136468	108	8	3.5 mm
Bean, Pinto	800-1400	Medium edible bean disk	A51696	56	8	4.0 mm
Bean, Small Red Mexican	1,200 - 1,500	Medium edible bean disk	A51696	56	8	4.0 mm
Bean, Small White	2,400 - 3,000	Small edible bean disk	H136468	108	8	3.5 mm
Corn	900 - 1,800	Standard corn disk	A50617	30	8.5 - 15	3.6 mm
Corn	1,500 - 2,800	Small corn disk	A43215	30	5 - 13	3.6 mm
Corn	2,300 - 3,200	Sunflower/popcorn disk	H136478	30	10 - 13	2.6 mm
Cotton, Acid-Delinted	4,000 - 6,000	Acid-delinted cotton disk	A56251	64	8	2.5 mm
Cotton, Acid-Delinted (low rate)	4,000 - 6,000	Medium Sugar beet disk	H136445	45	8	1.5 mm
Cotton, Hill-Drop (2seed/hill)	4,000 - 6,000	2-seed Hill-drop cotton	AA58507	64	8	2.5 mm
Cotton, Hill-Drop (4seed/hill)	4,000 - 6,000	4-seed Hill-drop cotton	A65622	48	8	2.5 mm
Pea, Black-Eyed	1,600 - 2,000	Medium edible bean disk	A51696	56	8	4.0 mm
Pea, Smooth	2,800 - 3,200	Small edible bean disk	H136468	108	8	3.5 mm
Pea, Wrinkled	1,800 - 2,300	Medium edible bean disk	A51696	56	8	4.0 mm
Peanut, Runner	650 - 800	Large edible bean disk	H136092	50	5 - 13	4.8 mm
Peanut, Spanish	1,000 - 1,250	Large edible bean disk	H136092	50	5 - 13	4.8 mm
Peanut, Virginia	500 - 800	Virginia Peanut disk	H138722	46	7 - 15	5.3 mm
Popcorn	2,500 - 4,500	Sunflower/popcorn disk	H136478	30	10 - 13	2.6 mm
Popcorn	4,500+	Sorghum disk	A43066	45	8	1.5 mm
Sorghum	10,000 - 16,000	Sorghum disk	A43066	45	8	1.5 mm
Sorghum (high rate)	10,000 - 16,000	Sorghum disk - high rate	A52802	90	8	1.5 mm
Soybean	1,700 - 3,500	Soybean disk	A42586	108	8	4.4 mm
Soybean	3,500 - 5,000	Acid-delinted cotton disk	A56251	64	8	2.5 mm
Soybean	4,000 - 5,000	Sorghum disk - high rate	A52802	90	8	1.5 mm
Soybean (low rate)	4,000 - 5,000	Sorghum disk	A43066	45	8	1.5 mm
Soybean (low rate)	1,700 - 4,000	Small sugar beet disk	A51712	45	8	1.5 mm
Sugar Beet Mono-Germ (L) 8.5/64 - 10/64	33,000 - 41,000	Large sugar beet disk	A51713	45	2 - 4.5	1.6 mm
Sugar Beet Mono-Germ (M) 7.5/64 - 9/64	4,200 - 4,600	Medium Sugar beet disk	H136445	45	1 - 3.5	1.5 mm
Sugar Beet Mono-Germ (S) 6.5/64 - 8/64	12,500 - 14,500	Small sugar beet disk	A51712	45	1 - 4	1.5 mm
Sugar Beet Pellet (mini) 8/64 - 10/64	19,000 - 21,000	Medium Sugar beet disk	H136445	45	2 - 3.5	1.5 mm
Sugar Beet Pellet (reg.) 9/64 - 11.5/64	12,500 - 14,500	Large sugar beet disk	A51713	45	3 - 4.5	1.6 mm
Sugar Beet, Pelleted (9/64-11.5/64)	12,500 - 14,500	Sorghum disk	A43066	45	2 - 4	1.5 mm
Sunflower, Oil Seed	#2, #3, #4 - 900 - 2,000	Sunflower/popcorn disk	H136478	30	3.5 - 13.5	2.6 mm

Flat Disk						
Crop	Seeds per lb.	Disk name	Part number	No. of holes	Vacuum range (inch)	Hole diameter
Bean, Black Turtle	1,900 - 3,300	Small edible bean disk	A52903	50	14 - 18	3.75 mm
Bean, Cranberry	800 - 1,200	Large edible bean disk	A52878	50	18 - 22	5.0mm
Bean, Garbanzo	750 - 900	Large edible bean disk	A52878	50	18 - 22	5.0mm
Bean, Great Northern	900 - 1,300	Large edible bean disk	A52878	50	18 - 22	5.0mm
Bean, Green (garden) large	700 - 1,200	Large edible bean disk	A52878	50	18 - 22	5.0mm
Bean, Green (garden) medium	1,200 - 1,600	Medium edible bean disk	A52904	50	18 - 20	4.5 mm
Bean, Green (garden) small	1,600 - 2,400	Small edible bean disk	A52903	50	14 - 18	3.75 mm
Bean, Kidney (large)	850 - 1,150	Large edible bean disk	A52878	50	18 - 22	5.0mm
Bean, Kidney (medium)	1,150 - 1,400	Medium edible bean disk	A52904	50	18 - 20	4.5 mm
Bean, Lima	1,200 - 1,600	Medium edible bean disk	A52904	50	18 - 20	4.5 mm
Bean, Navy	1,800 - 2,600	Small edible bean disk	A52903	50	14 - 18	3.75 mm
Bean, Pinto	All sizes rec.	Medium edible bean disk	A52904	50	18 - 20	4.5 mm
Bean, Small Red	1,200 - 1,500	Medium edible bean disk	A52904	50	18 - 20	4.5 mm
Bean, Small White	2,400 - 3,300	Small edible bean disk	A52903	50	14 - 18	3.75 mm
Blank Seed Disk	N/A	Blank disk	A52554	40	N/A	
Corn	3,500 - 5,800	Small sweet corn disk	A52390	40	8.5 - 14.5	3.75 mm
Corn	1,500 - 3,200	ProMax 40	A52391	40	11 - 18	4.5 mm
Corn	1,500 - 3,200	Medium edible bean disk	A52904	50	9 - 14	4.5 mm
Corn, Sweet	2,300 - 3,900	ProMax 40	A52391	40	9 - 13	4.5 mm
Cotton	1,600 - 3,300	Small edible bean disk	A52903	50	12 - 18	3.75 mm
Pea, Black-Eyed	1,600 - 2,000	Medium edible bean disk	A52904	50	16 - 18	4.5 mm
Pea, Smooth	2,800 - 3,200	Medium edible bean disk	A52904	50	14 - 16	4.5 mm
Pea, Wrinkled	1,700 - 2,300	Small edible bean disk	A52903	50	12 - 14	3.75 mm
Sunflower Confection (L)	2,250 - 3,250	ProMax 40	A52391	40	7.5 - 14	4.5 mm
Sunflower Confection (S)	3,250 - 5,250	Small sweet corn disk	A52390	40	7.5 - 14.5	3.75 mm