

STRAIGHT FROM THE HEARTLAND

2020 - 2021



**DRILL UNIT
CATALOG**

800-798-1968
SHIELDAG.COM



Quality Agricultural Equipment

Manufacturers of:

V-Blades • Sweeps • Chisels & Spikes • Disc Blades • Drill Discs & Hoe Drill Points
Related Tillage & Planting Hardware • Fertilizer Knives • Shanks • Coultter Blades • Crop Savers
Precision Planting Equipment • Conservation Ripper Points • Strip Till Points • Fertilizer Row Units

Distributors of:

Belted Grain & Fertilizer Conveyors • Salt & Material Handling Conveyors • Seed Handling Equipment
Round Baler Belting • Milo Guards & Crop Savers

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Warranty

Shield Agricultural Equipment (ShieldAg) and Acra-Plant warrant our products to be free of defects in materials and workmanship for a period of 180 days after the date of end user (consumer) purchase from the dealer. The warranty for whole goods equipment shall be exactly the warranty offered on these products by the original equipment manufacturer, and their individual warranties shall replace this warranty. This warranty does not apply to item(s), equipment or component parts that are found to have been subject to abuse or inadequate maintenance, that have been altered in any way or that have been used beyond their advertised capacity, rating or intended use. This warranty shall be for the repair or replacement of the defective item(s) at the sole discretion of Shield Agricultural Equipment. Any warranty replacement or repairs shall be subject to pro-rated consumer usage deductions as outlined below. Any warranty on tillage items expires after 1/2" of edge wear has occurred. Chrome products are warranted for defects in material and workmanship only, and the pro-rating system and 1/2" edge wear rule does not apply to chrome products. Chrome products are not guaranteed for use in rocky or frozen ground. This warranty does not extend to labor incurred in removal or replacement of any item(s). ShieldAg shall not be liable for incidental or consequential damages arising out of the use or inability to use the item(s) for any purpose whatsoever.

Execution of consumer rights for warranty repair or replacement:

1. Consumer must provide the dealer with evidence of date of purchase of the item(s) to be considered for warranty. This evidence shall be in the form of a copy of the invoice or bill of sale for the item(s) and this evidence shall accompany the item(s) alleged to be defective.
2. The dealer shall provide ShieldAg with #1, above, and with a copy of the ShieldAg invoice to the dealer for the same item(s).
3. The ShieldAg Territory Manager or the dealer shall complete a ShieldAg Returned Goods Authorization (RGA) for the item(s) alleged to be defective. It is the dealer's responsibility to return the item(s) to ShieldAg at the dealer's expense; however, the Territory Manager may elect to return the items(s) to ShieldAg via our truck. Extension of this courtesy does not constitute the final decision to authorize warranty replacement or repair for the item(s).
4. Upon receipt of the item(s) alleged to be defective and the RGA, the ShieldAg engineering department will inspect the item(s). The engineering department will have sole discretion to authorize warranty replacement or repair.
5. ShieldAg engineering department shall assign the pro-rated wear factors to all item(s) subject to a warranty claim. Since the range of item(s) varies widely, the assignment of pro-rated wear factor deductions shall be done in good faith, working with the ShieldAg Territory Manager, the dealer and the consumer. In general, warranty will be pro-rated for wear up to 1/2" of edge wear on the item(s). Any warranty on tillage items expires after 1/2" of edge wear has occurred. The pro-rating system and 1/2" edge wear rule does not apply to chrome products.
6. ShieldAg will at its sole discretion replace or repair the item(s) found to be defective, less the pro-rated wear factors. ShieldAg will return the item(s) that have been repaired or replaced to the dealer including free return transportation via the mode of our choice.

Notes on Implied Warranties and Limitations

There is no implied warranty of merchantability or fitness for a particular purpose. Some states do not allow limitations on implied warranties of merchantability or fitness for a particular purpose, so this limitation may not apply in a given state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply in a given state.

Shipments & Returns

This “Shipments and Returns Policy” outlines the rights and obligations of Shield Agricultural Equipment (ShieldAg) dealers with regards to discrepancies in shipments and returns of unsold items to ShieldAg.

Shipments

ShieldAg must be informed of any shortages in shipments within ten (10) days of the arrival of that shipment or shipments at the dealer or end user (in the case of drop-shipments from ShieldAg to the end user). Shortages for truck shipments via LTL, UPS or other common carrier should be forwarded to the carrier for adjustment via freight claim. Shortages deemed by ShieldAg corporate office or our Territory Managers to be our responsibility will be corrected through a credit on the account of the dealer or through replacement of the item(s) that were missing from the shipment. It is the sole responsibility of the dealer to count the item(s) received on shipments and to make appropriate claims for shortages within ten (10) days of the receipt of the item(s).

Execution of dealer rights for shipments:

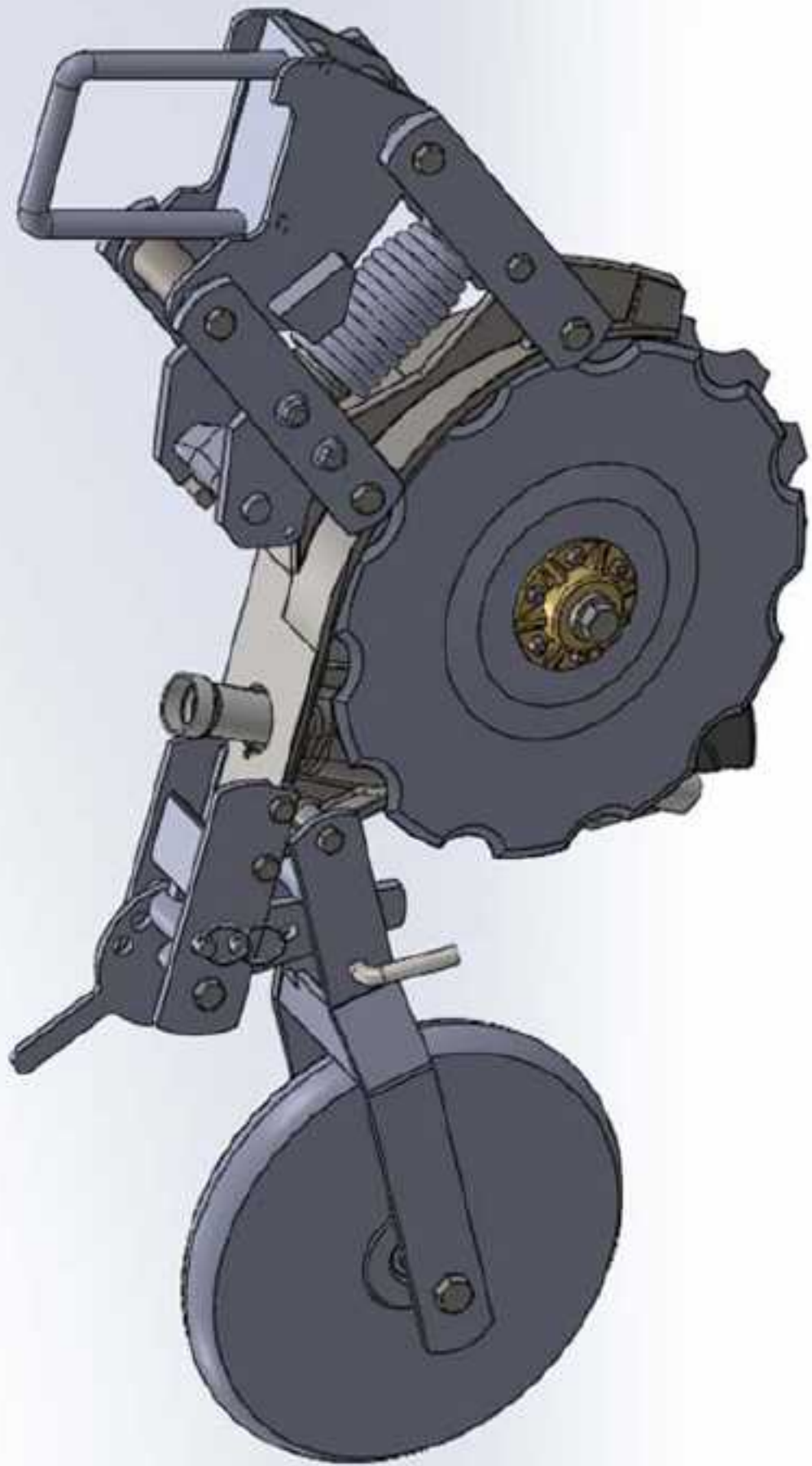
1. Dealer shall provide ShieldAg with a copy of the ShieldAg packing slip (pick list) highlighting the item(s) that were alleged to be missing. A copy of the packing slip is to be faxed or mailed to ShieldAg within ten (10) days of the receipt of the shipment.
2. The ShieldAg Territory Manager may at our discretion be asked to visit the dealer and examine the shipment and shortage prior to extending credit or replacing the items.
3. ShieldAg will at its sole discretion replace the missing item(s) or credit the dealer account for the net dealer cost of the item(s) found to be missing. If replaced, ShieldAg will replace the missing item(s) to the dealer including free return transportation via the mode of our choice.

Returns

ShieldAg does not have any types of oral or written agreements, contracts or arrangements of any type, between ShieldAg and our dealers or distributors that provide for the rights and obligations of the parties with respect to the purchase or sale of equipment or repair parts, beyond the standard obligations created by purchase orders and acceptance of same, for ShieldAg parts. ShieldAg therefore does not fall under any state’s “buy back” laws. ShieldAg will not allow returns for any items purchased as “special order” or non-standard as modified for a custom application. ShieldAg will accept the return of standard-stocked new item(s) originally purchased into dealer or distributor stock from ShieldAg for a period of two (2) years from the date of original purchase from ShieldAg. All items returned must be current to the stream of commerce and not deemed to be obsolete. Returned item(s) in new and merchantable condition shall be subject to a thirty percent (30%) restocking charge. Any item(s) requiring rework, repackaging or repainting will be accepted only with a revised (and increased) restock charge after inspection at ShieldAg.

Execution of dealer or distributor rights for returned goods:

1. Dealer or distributor shall provide ShieldAg with a copy of the original invoice for the item(s) to be returned and a written explanation of the reason for return.
2. The ShieldAg inside salesperson or territory manager will work with the dealer or distributor to complete a ShieldAg Returned Materials Authorization (RMA), also known in the industry as an RGA (Returned Goods Authorization) for the item(s) to be returned. Upon inspection of the original invoice and the written explanation for return, the ShieldAg Inside salesperson or territory manager will authorize return of the item(s) for inspection and subsequent credit. It is the dealer’s responsibility to return the item(s) to ShieldAg at the dealer’s expense. Receipt of items does not constitute the final decision to extend returned goods credit for the item(s).
3. Upon receipt of the item(s) and the completed RMA (RGA), ShieldAg will inspect the items for merchantability and general condition. Credit on account will only be applied after the items have been inspected and accepted. Credit against the dealer or distributor account receivable will be applied less the thirty percent (30%) restocking charge. There will be no cash refunds for returned items. The ShieldAg territory manager or inside salesperson will communicate (to the dealer or distributor) acceptance (or rejection) of the returned goods and the final credit amount.
4. This Policy dated 12/01/2020 supersedes all previous written or oral Returned Goods policies.



Acra-Drill Unit Catalog Table of Contents

Operator's Manual	1—3
Standard ADU for 4" X 4" toolbar	4
Standard ADU for 7" X 7" toolbar	5
ADU Build options sheet	6
ADU basic parts breakdown	7
Press wheel/tail bracket parts breakdown	8
Double spring option parts breakdown	9
Double spring conversion kit parts breakdown	10
	11
	12
Press wheel options	13
Other popular "complete unit" schematics	14-19
Order planning guide	20

* Manufacturer's suggested retail price. Your price may vary.



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PO Box 687 • Hutchinson, KS • 67504

Fax (620) 662-7482





ADU OPERATOR'S MANUAL

Standard Mounts

SAFETY FIRST

1. Always secure equipment with jack stands or blocking when working underneath the equipment.
2. When setting up 3-point type equipment with ACRA Drill Units, check the rating of the tractors 3-pt. hitch. ADU's weigh approximately 104 lbs ea. or more depending on the options. The additional weight of the ADU's may exceed the tractors capacity causing either loss of steering or hydraulic system damage. In some cases weight may have to be added to the front of the tractor.
3. When installing, removing or adjusting the row width, handle the parallel linkage with extreme caution to avoid injury. Pinch points exist between the parallel linkage and the brackets. CAUTION!!!! When flexing spring equipped linkage, block to prevent accidental spring back and finger injury.
4. The ADU disk blades are very sharp and create pinch points. Wear gloves and use extreme caution when rotating blades or adjusting. Keep hands and feet from under the blades. Wear gloves when making all adjustments near the disk blades, seed tube adjustments or spring tension adjustments. Accidental contact with the edge of the disk blade can cause severe lacerations.

SET UP AND INSTALLATION

1. To mount ACRA Drill Units on a drill, locate the center of each section. Mark the center and work towards both ends measuring and marking the space with each row. Each mark will be the center of a drill unit. NOTE: Minimum row spacing for ADU's with standard brackets is 7 ½ inches. Brackets are available to stagger the rows for more residue clearance. Position the row unit and tighten the U-Bolts.
2. After mounting row units to the bar, install the flexible O.E.M. tube from the feed cup to the drill unit. Secure to the ADU seed tube to insure they stay in place.
3. The ADU Notched disks are set at the factory. To check proper disk clearance. Rotate one disk and it should rotate the other. You should be able to hold one disk and the other should slip against it as you rotate it. The disk should touch and make a scraping sound as they are rotated.
4. Adjusting the gap between the blades is done by adding or removing shims that are behind the blades. Note: the left hand blade is attached with a left hand thread 5/8 bolt and the right hand blade is attached with a right hand thread 5/8 bolt. Shims need to be added or removed to center

the V-Slice insert between the blades. You do not need to measure, just visually (eye-ball) it in the center. CAUTION!!!!!! Use extreme care when handling the blades. They are extremely sharp and have a pinch point.

5. After approximately 8 hours of operation, check the disk clearance for optimum disk cutting action.

OPERATING INSTRUCTIONS

ACRA Drill Units are designed and built to customer's mounting bar operation height. The standard unit is designed to attach to a mounting bar operating at 18-20 inches above the ground. This will flex the parallel linkage to a working attitude of approximately 45 degrees to the ground. This gives the best performance. There are several bar operation heights being used. Remember, for best performance the parallel link arm should be deflected to approximately 45 degrees. When toolbar height is properly adjusted, parallel linkage will operate between a 30 and a 60 degree angle.

To adjust your drill for best possible results, follow this sequence:

1. Level drill toolbar front to back and side to side. This must be done regardless of make or model. Refer to owner's manual for leveling and height adjustments.
2. Adjust spring down pressure for field conditions. Spring tension is set by adjusting the tension bolt. At the factory, it is set at a minimum. Adding two revolutions adjusts to approximately 150 lbs down pressure at the opener V-Slice insert. A total of 8 revolutions will increase it to approximately 230 lbs. Beyond 8 additional revolutions of the tension bolt can cause permanent spring damage by over stretching and permanently deforming the spring. Units with two springs are adjusted the same way, tightening each the same amount. Two springs increase down pressure from 300 lbs to 425 lbs of down pressure.
3. Raise the gage wheel and operate a short distance. Dig down to see where seed is being placed. Remember the seed trench is approximately 3/8 below the bottom of the disk blades. Adjust the gage wheel to maintain the depth that you want to place the seed. NOTE: First time users of these units will initially plant too deep.
4. Seed not in the bottom of the trench would indicate the seed tube is too high. Seed tube position is relative to ground speed and soil conditions. The seed tube can be adjusted higher for fast ground speed or wet conditions and lower for slower speeds and dry conditions.
5. **ALWAYS WHEN MAKING SHARP TURNS, LIFT THE DRILL SO THE UNITS ARE OUT OF THE GROUND TO PREVENT DAMAGE TO THE DRILL UNIT.**
6. **NEVER BACK UP WITH THE ACRA DRILL UNIT IN THE GROUND.** This will cause the seed tube to plug with soil. NOTE: Periodically check bolts for tightness.

TROUBLE SHOOTING

- | | |
|-----------------------|---|
| 1. Disk plugging | Adjust disk gap, soil too wet, disk blades worn |
| 2. Dirt build up | Adjust disk gap, soil too wet, disk blades worn |
| 3. Seed tube plugging | Lower drill on the move, seed tube too low |
| 4. Planting too deep | Back off spring tension, toolbar too low |

SERVICE AND STORAGE

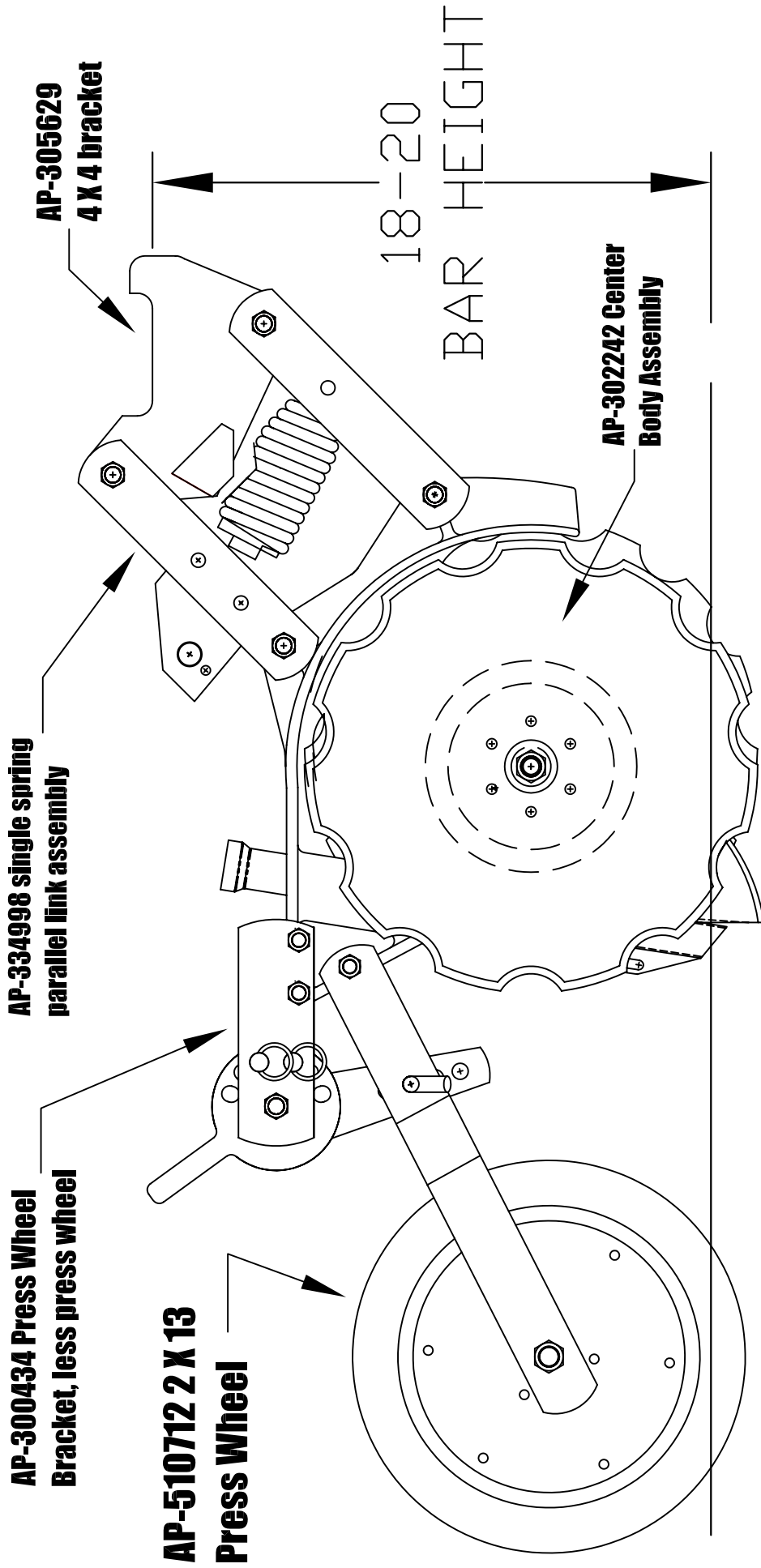
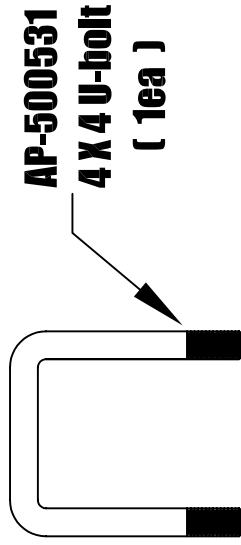
1. Do not let V-slice insert get too short or rounded-off. Insert must stick below the disk blades at least 1/8 inch. Inserts can be sharpened to a sharp V if rounded off.
2. Disk blade diameter should not be below 14 inches. Residue management is severely reduced when the notch depth is shallow. Always maintain proper blade gap.
3. Each joint of the parallel linkage has a Nylatron bushing for a bearing surface that requires no greasing saving daily maintenance time. These should be checked for wear at the beginning of each season and should be replaced when showing excessive wear.
4. When storing for the off season, do not coat the insert with grease. Do not set the drill or planter down with the inserts supporting the weight of the equipment. Do not set equipment on concrete. The insert is a casting and breakage can occur.
5. It is best to reduce the spring tension when stored.
6. Storing the equipment in direct sunlight diminishes the life of rubber tired gage wheels and ADU seed tubes.

PRIMARY SERVICE ITEMS

- | | |
|--------------|------------------------|
| 1. AP-300537 | Nylatron Bushing |
| 2. AP-331100 | V-Slice Insert |
| 3. AP-301112 | Seed Tube |
| 4. AP-301151 | 11 Notch Disk Assembly |
| 5. AP-301152 | 15 Notch Disk Assembly |
| 6. AP-301155 | Disk Bearing |

See other items in the parts list. Schematic included.

AP-ADU4X4P Complete Unit Includes everything seen here



800-798-1968 www.shieldag.com

DESCRIPTION

Standard ADU, 4 X 4, with 2 X 13 Press Wheel

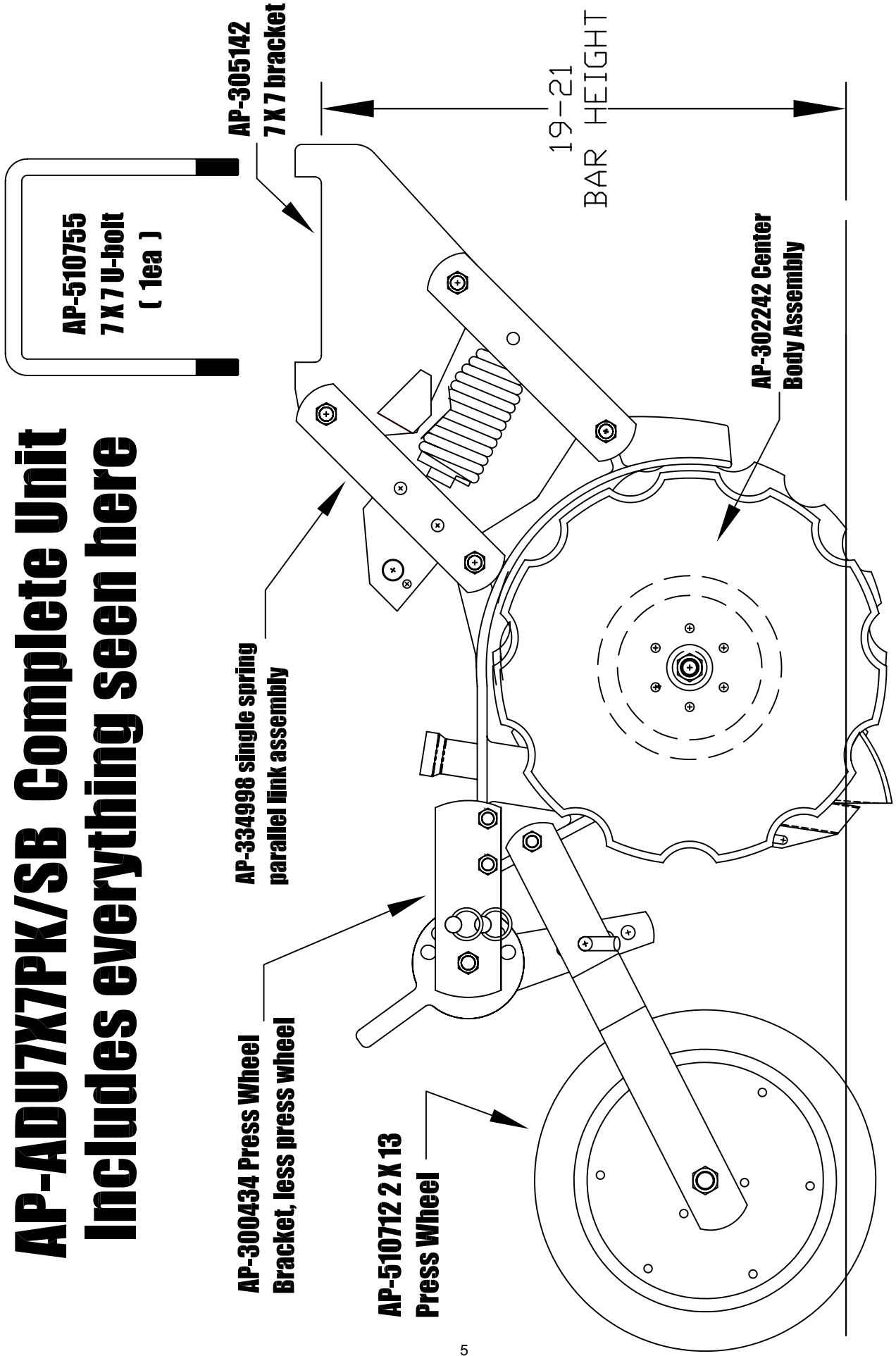
ASSEMBLY NUMBER

AP-ADU4X4P

REV.
NC

SHIELD
AGRICULTURAL EQUIPMENT

AP-ADU7X7PK/SB Complete Unit Includes everything seen here



800-798-1968 www.shieldag.com

DESCRIPTION
Standard ADU, 7 X 7, with 2 X 13 Press Wheel

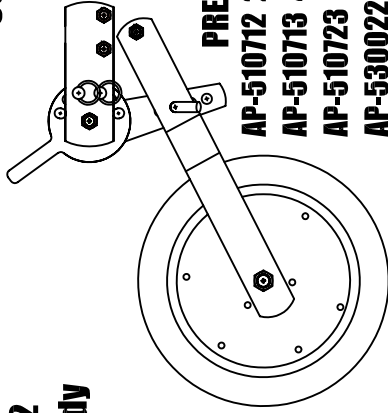
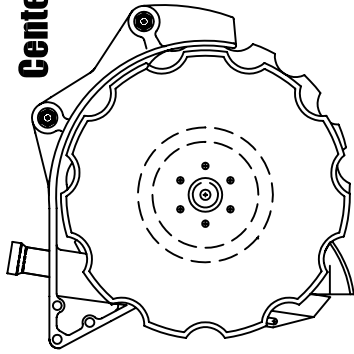
ASSEMBLY NUMBER

AP-ADU7X7PK/SB

SHIELD
AGRICULTURAL EQUIPMENT

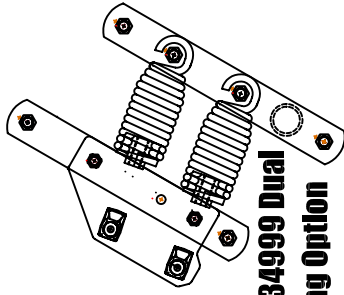
REV.
NC

AP-302242
Center Body

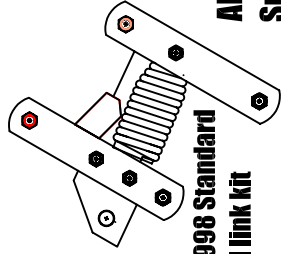


AP-300434 Press Wheel assembly
WITHOUT PRESS WHEEL

PRESS WHEELS
AP-510712 2 X 13 smooth crown
AP-510713 4 X 12 smooth crown
AP-510723 4 X 12 2-ridge v-groove
AP-530022 4 X 12 Chevron CNH



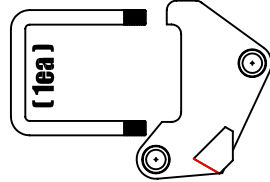
AP-334999 Dual Springing Option



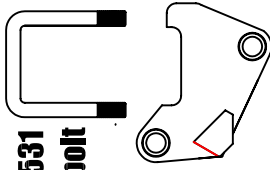
AP-334998 Standard Parallel link kit

Dual Springs add 100# down-pressure

AP-505126
5 X 5 U-bolt

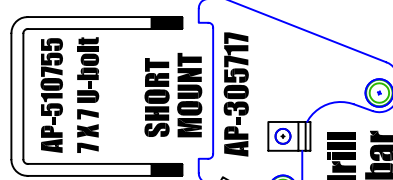
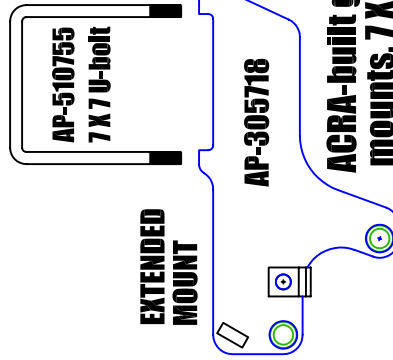
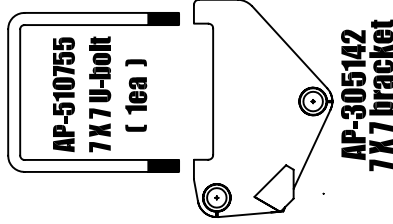


AP-305625
5 X 5 bracket



AP-500531
4 X 4 U-bolt (1 ea)

AP-305629
4 X 4 bracket

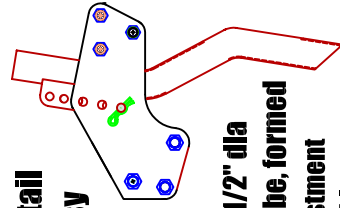


SEE CUSTOM PRICE SHEET FOR DETAILS

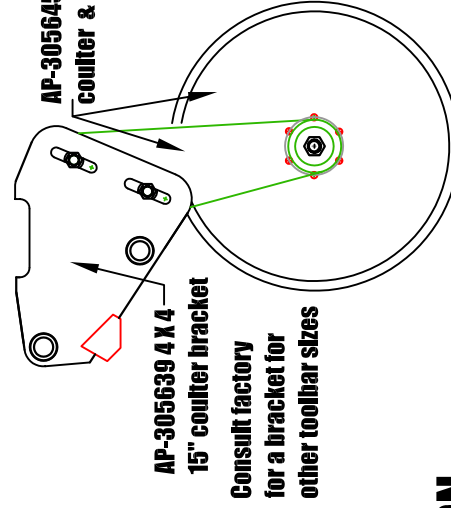
Many other toolbar brackets available

Consult factory 800-798-1968

AP-300129 tail bracket assy



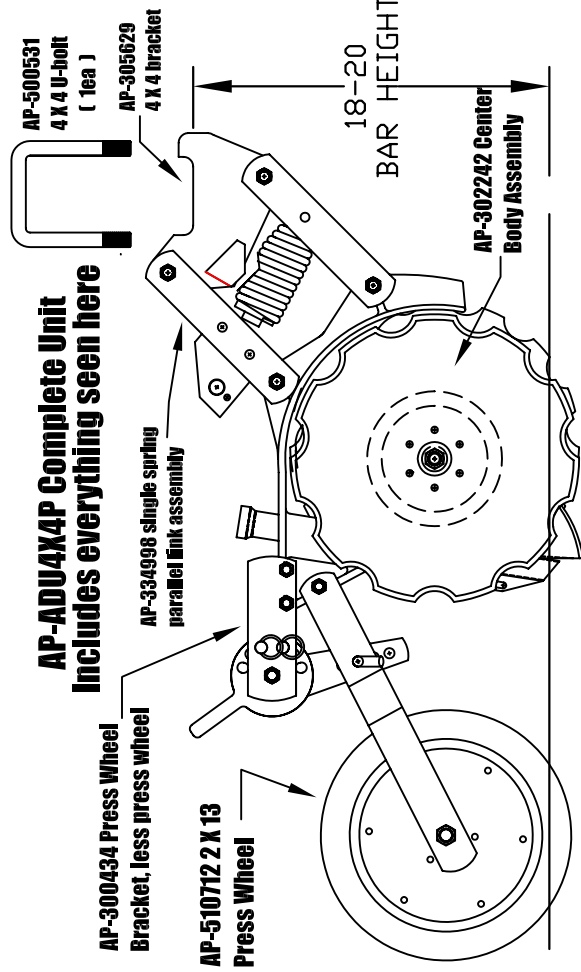
AP-505319 1-1/2" dia Dry fertilizer tube, formed 5 vertical adjustment positions possible



AP-305645 15" Coultter & arm

AP-305639 4 X 4 15" coultter bracket
consult factory for a bracket for other toolbar sizes

AP-300434 Press Wheel Bracket, less press wheel
AP-510712 2 X 13 Press Wheel



AP-ADU4X4P Complete Unit
Includes everything seen here

AP-334998 Single spring parallel link assembly

AP-500531
4 X 4 U-bolt (1 ea)

AP-305629
4 X 4 bracket

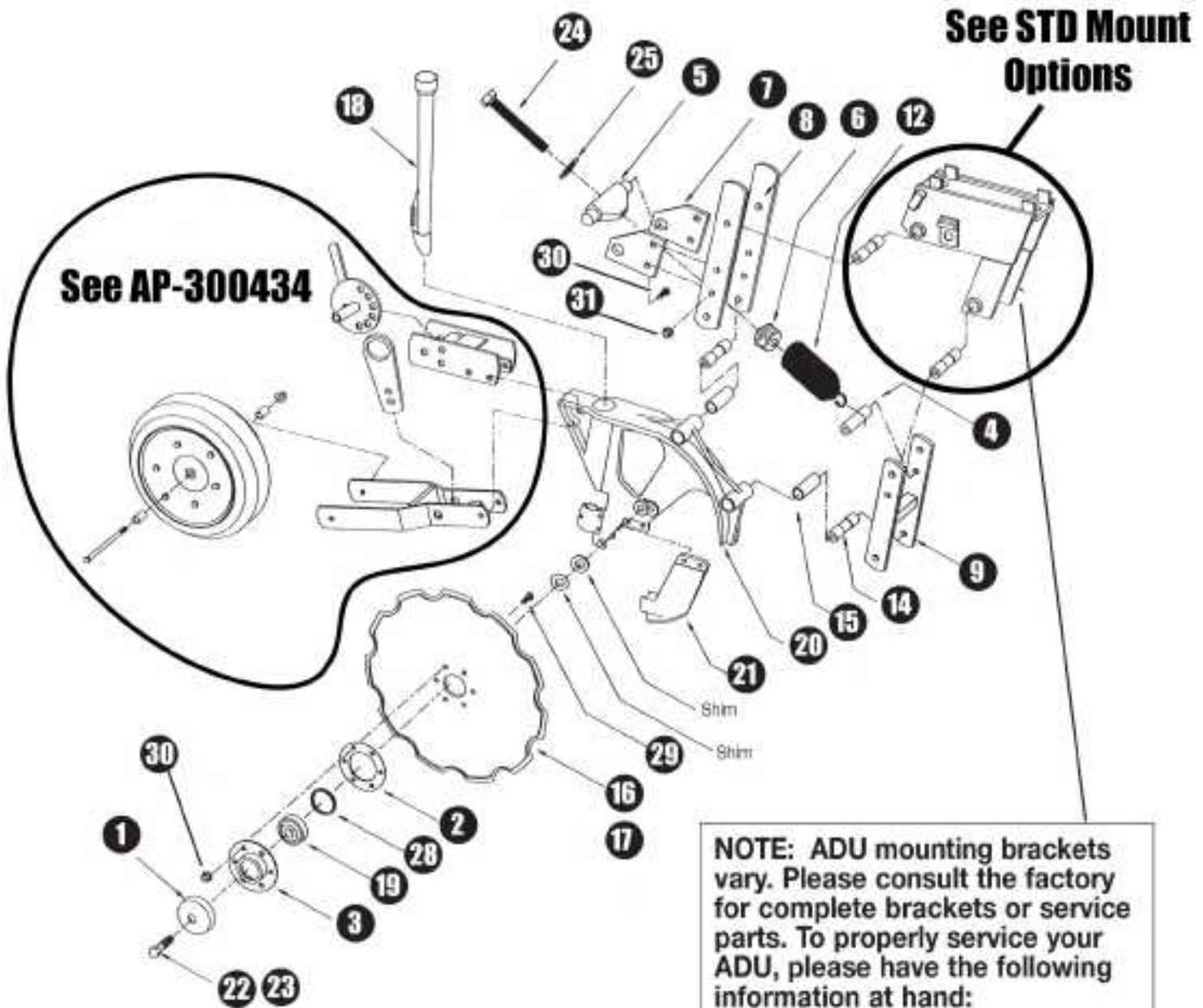
18-20 BAR HEIGHT

AP-302242 Center Body Assembly

DRY FERTILIZER OPTION

15" Front (leading) coultter

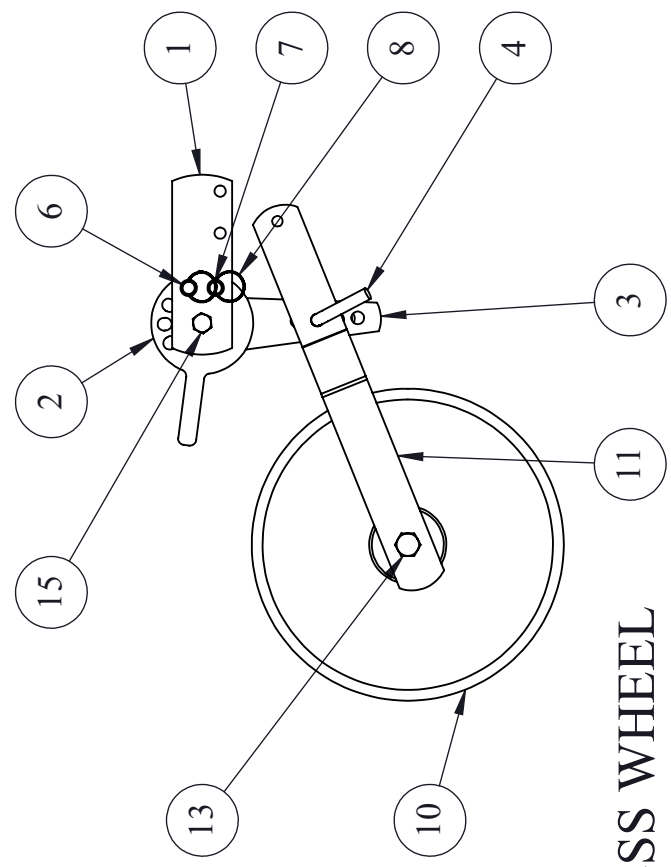
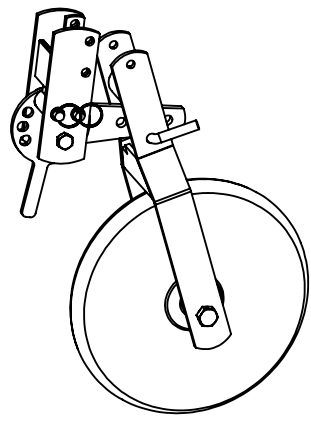
Acra-Drill Unit



NOTE: ADU mounting brackets vary. Please consult the factory for complete brackets or service parts. To properly service your ADU, please have the following information at hand:

1. The Make and Model of Drill or Planter
2. Tool Bar Size (4" X 4", 5" x 7", etc.) that the ADU clamps onto
3. Operating height from bar to ground

EST. WEIGHT: 21.76 LBS



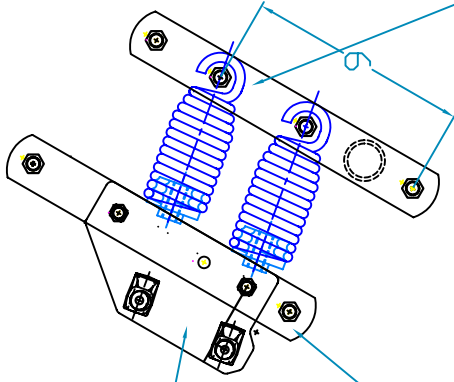
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	AP-300123	ADU HEEL BRACKET	1
2	AP-300122L	ADU PRESS WHEEL ADJUSTER	1
3	AP-505031	ACRA DRILL UNIT DEPTH ADJUSTER	1
4	AP-500552	PULL PIN WITH CLIP	1
5	AP-500553	1/8" HAIRCLIP	1
6	AP-510764	CAM ADJUSTER PIN	2
7	AP-510765	AP ADJUSTER SPRING	2
8	AP-510766	CAM ADJUST SPLIT RING	2
9	AP-500600	1/2-13 LOCK NUT	1
10	AP-510712	PRESS WHEEL, 2" X 13", SEE CHART	1
11	AP-300413	ACRA-PLANT ADU PRESS WHEEL ARM	1
12	AP-501540	ADU PRESS WHEEL SPACER	2
13	AP-510716	5/8-11 X 6 1/2 HEX BOLT GR5	1
14	AP-500588	5/8-11 LOCK NUT	1
15	AP-500495	1/2-13 X 3 1/2 HEX BOLT GR5	1

AP-300434 DOES NOT INCLUDE THE PRESS WHEEL
SEE PRESS WHEEL CHART FOR OPTIONS

AP-300434 NC

TOLERANCE UNLESS OTHERWISE NOTED 0/0 +/- .06 0.000 +/- .020 0.0000 +/- .005 0.0000 +/- .001 ANGLE +/- 1		DO NOT SCALE DRAWING Weight: 21.76 LBS	
SHIELD AGRICULTURAL EQUIPMENT		HURLBUT DATE: 8/2/2012 CHECKED BY:	
REV. BY DATE		PART NO. AP-300434 REV. NC	
DESCRIPTION ADU PRESS WHEEL		MATERIAL ASSEMBLY	

AP-334999 complete DOUBLE SPRING assembly



BILL OF MATERIALS:

- | | | | |
|-----|-------|-----------|-------------------------------|
| 1. | 1 EA. | AP-305121 | LOWER LINK ARM |
| 2. | 2 EA. | AP-501106 | UPPER LINK ARM |
| 3. | 2 EA. | AP-300011 | SPRING MOUNT BUSHING |
| 4. | 2 EA. | AP-300039 | SPRING ANCHOR BAR |
| 5. | 2 EA. | AP-505192 | SPRING ANCHOR PLATE |
| 6. | 2 EA. | AP-300196 | MAIN SPRING |
| 7. | 2 EA. | AP-300055 | MAIN SPRING NUT |
| 8. | 4 EA. | AP-300527 | MACHINED HINGE BUSHING |
| 9. | 4 EA. | AP-300537 | NYLATRON BUSHING |
| 10. | 2 EA. | AP-500512 | 5/8-11X 4 1/2 HEX TAP BOLT |
| 11. | 1 EA. | AP-500621 | 5/8 SAE FLAT WASHER |
| 12. | 4 EA. | AP-500679 | 7/16-14 X 1 1/4 CARRIAGE BOLT |
| 13. | 5 EA. | AP-500583 | 7/16 TOPLOCK HEX NUT |
| 14. | 6 EA. | AP-500499 | 1/2-13 X 5 1/2 HHCS |
| 15. | 6 EA. | AP-500584 | 1/2-13 TOPLOCK HEX NUT |

AP-305121

AP-334999 for NORTH AMERICA

-		-		-		-		-		<p>SHIELD AGRICULTURAL EQUIPMENT</p> <p>DRAWN BY: ALBRIGHT DATE: 7/18/12</p> <p>CHECKED BY: DATE: </p> <p>PART NO. AP-334999 REV. </p>
-		-		-		-		-		
-		-		-		-		-		
-		-		-		-		-		
REV.	BY	DATE	DESCRIPTION							
<p>LONG PARALLEL LINKAGE ASSEMBLY-STD WITH DOUBLE SPRINGS</p>										

TOLERANCE UNLESS OTHERWISE NOTED

0/0 +/- 1/32

0.00 +/- .020

0.000 +/- .005

0.0000 +/- .001

ANGLE +/- 1/2

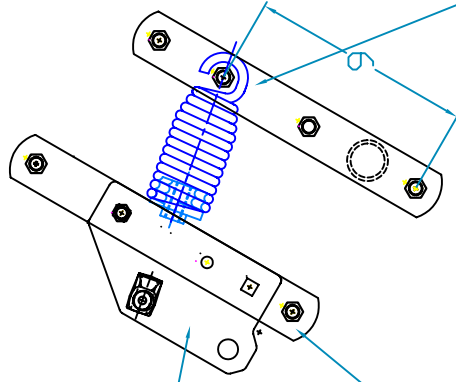
AP-33499V3

Conversion Kit

Convert ADU with Single Spring to ADU with Dual Spring

BILL OF MATERIALS:

- 1. 1 EA. AP-305121 LOWER LINK ARM
- 2. 2 EA. AP-501106 UPPER LINK ARM
- 3. 1 EA. AP-300011 SPRING MOUNT BUSHING
- 4. 1 EA. AP-300039 SPRING ANCHOR BAR
- 5. 2 EA. AP-505192 SPRING ANCHOR PLATE
- 6. 1 EA. AP-300196 MAIN SPRING
- 7. 1 EA. AP-300055 MAIN SPRING NUT
- 8. 4 EA. AP-300527 MACHINED HINGE BUSHING
- 9. 4 EA. AP-300537 NYLATRON BUSHING
- 10. 1 EA. AP-500512 5/8-11X 4 1/2 HEX TAP BOLT
- 11. 1 EA. AP-500621 5/8 SAE FLAT WASHER
- 12. 4 EA. AP-500679 7/16-14 X 1 1/4 CARRIAGE BOLT
- 13. 5 EA. AP-500583 7/16 TOPLOCK HEX NUT
- 14. 6 EA. AP-500499 1/2-13 X 5 1/2 HHCS
- 15. 6 EA. AP-500584 1/2-13 TOPLOCK HEX NUT



AP-505192

AP-501106

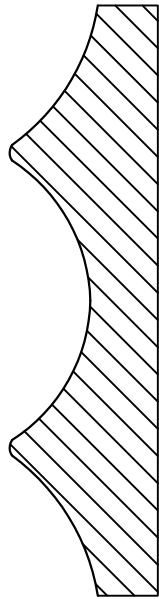
AP-305121

AP-33499V3 for NORTH AMERICA

		SHIELD AGRICULTURAL EQUIPMENT	
		DRAWN BY: ALBRIGHT	DATE: 7/18/12
		CHECKED BY: _	DATE: _
		TOLERANCE UNLESS OTHERWISE NOTED	
		0/0 +/- 1/32	
		0.00 +/- .020	
		0.000 +/- .005	
		0.0000 +/- .001	
		ANGLE +/- 1/2	
REV.	BY	DATE	DESCRIPTION
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
			PART NO. AP-33499V3
			REV. -

DOUBLE SPRING CONVERSION KIT

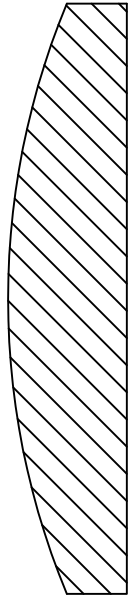
Press Wheel Options



AP-510723 4 x 12"Ø

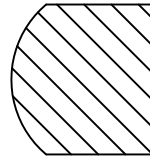
Double Peak

Used for small grains & beans



AP-510713 4 x 12"Ø

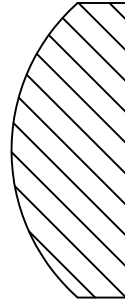
Smooth



AP-510711 1 x 12"Ø

Round Crown

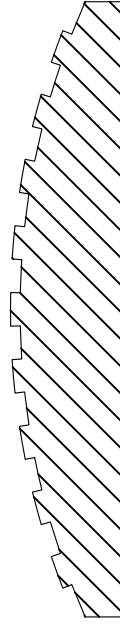
Used on V-Wheel Closers



AP-510712 2 x 13"Ø

Smooth

Most popular for small grains



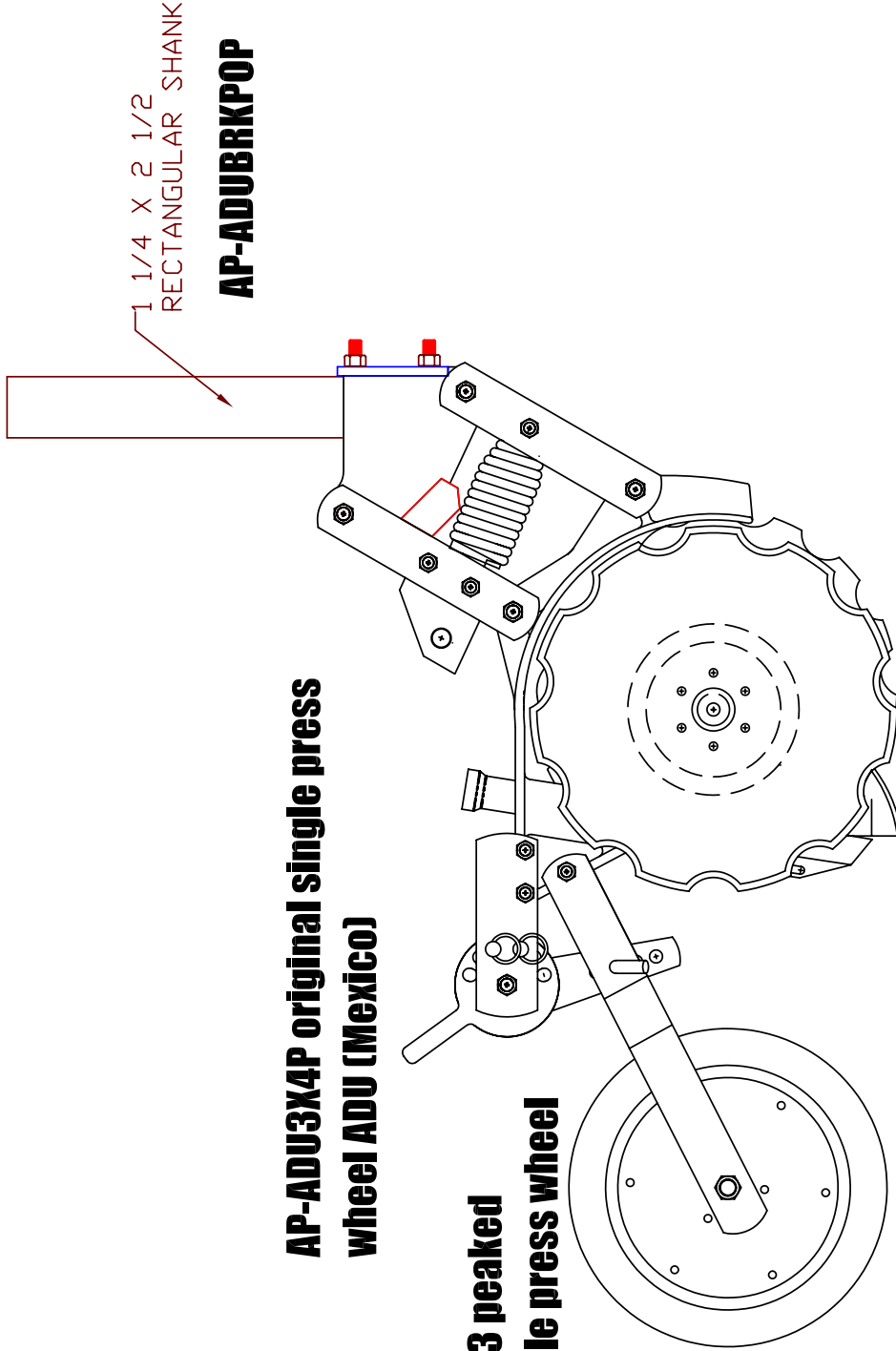
AP-530022 4 x 12"Ø

CHEVRON (CNH)

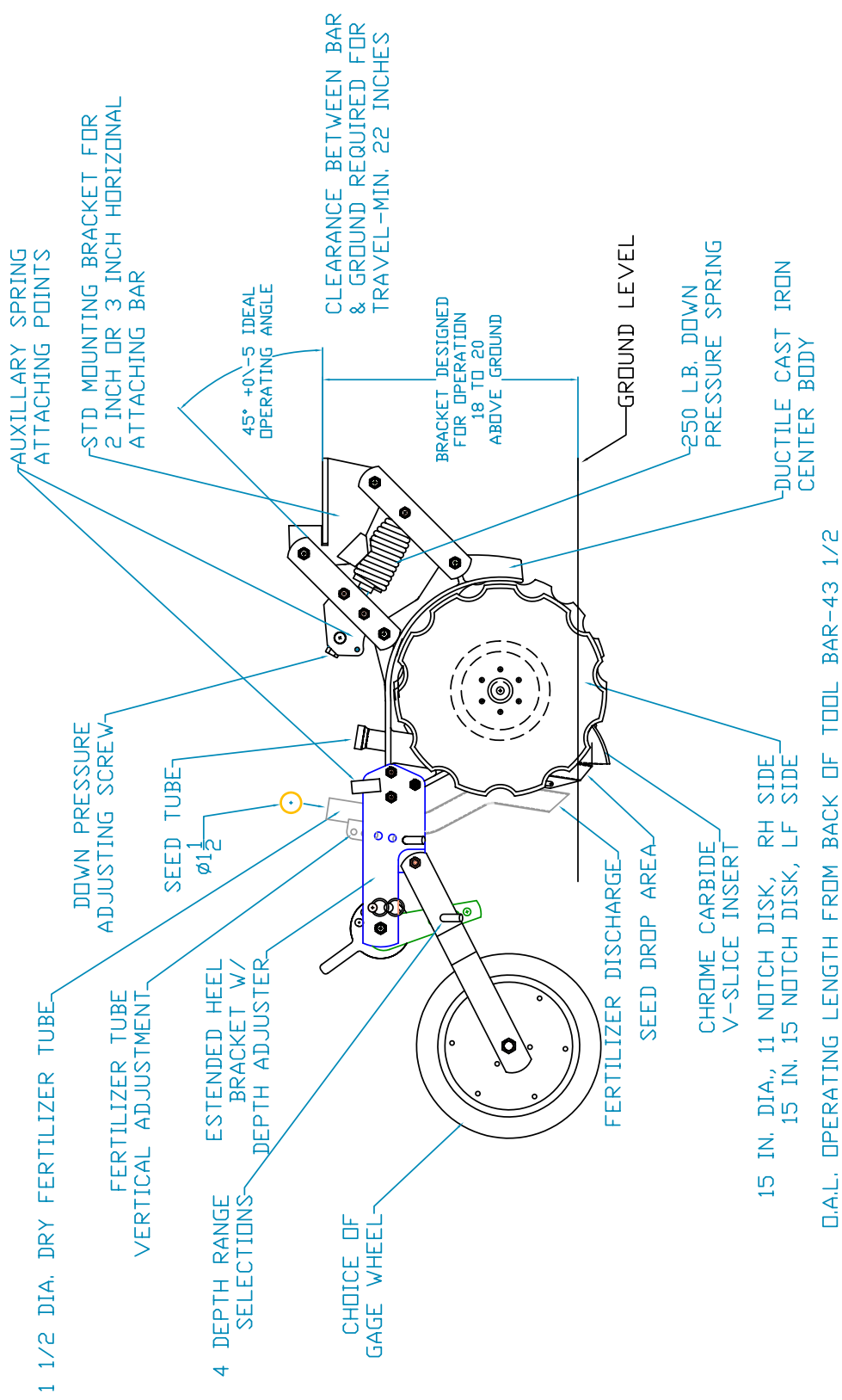
Other Styles Available On Special Order

**AP-ADU3X4P original single press
wheel ADU (Mexico)**

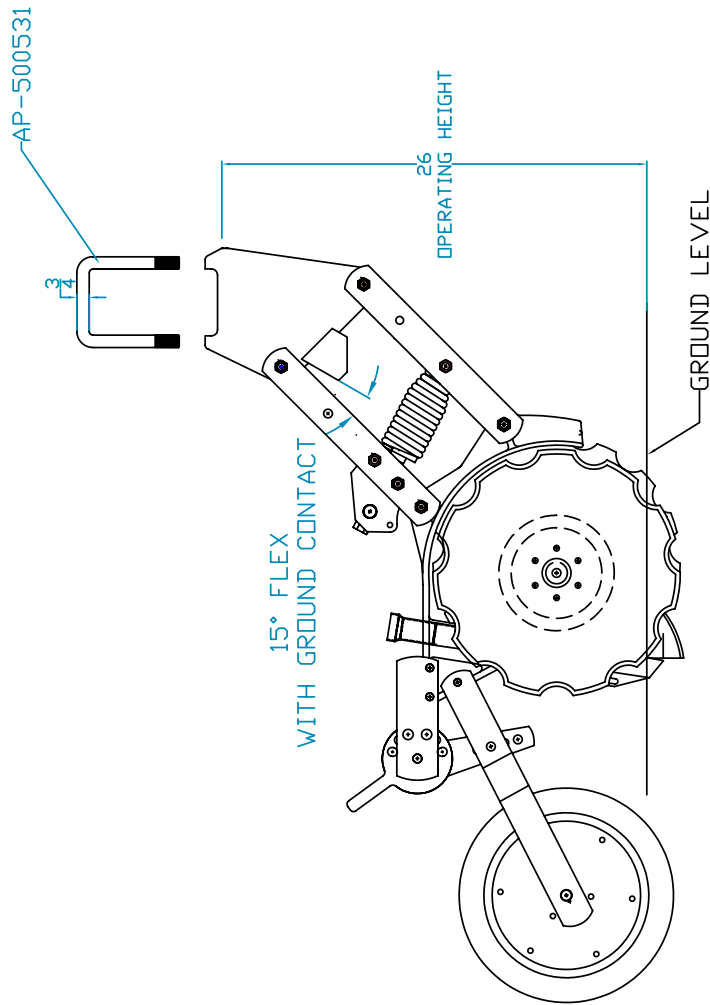
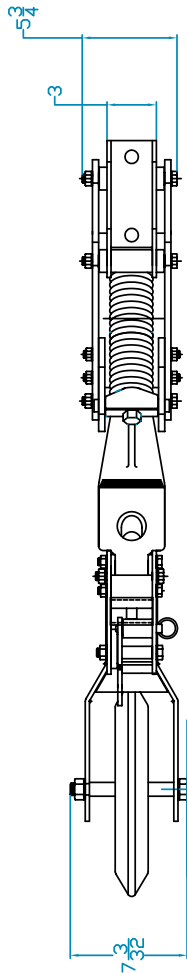
**2 X 13 peaked
single press wheel**



REV.	BY	DATE	DESCRIPTION	MATERIAL	ASSEMBLY	PART NO.	REV.
-	-	-	-	-	ASSEMBLY	AP-ADUMEX	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
SHIELD AGRICULTURAL EQUIPMENT				DRAWN BY: ALBRIGHT DATE: 5/11/04 CHECKED BY: - DATE: -			
TOLERANCE UNLESS OTHERWISE NOTED 0/0 +/- 1/32 0.00 +/- .020 0.000 +/- .005 0.0000 +/- .001 ANGLE +/- 1/2							

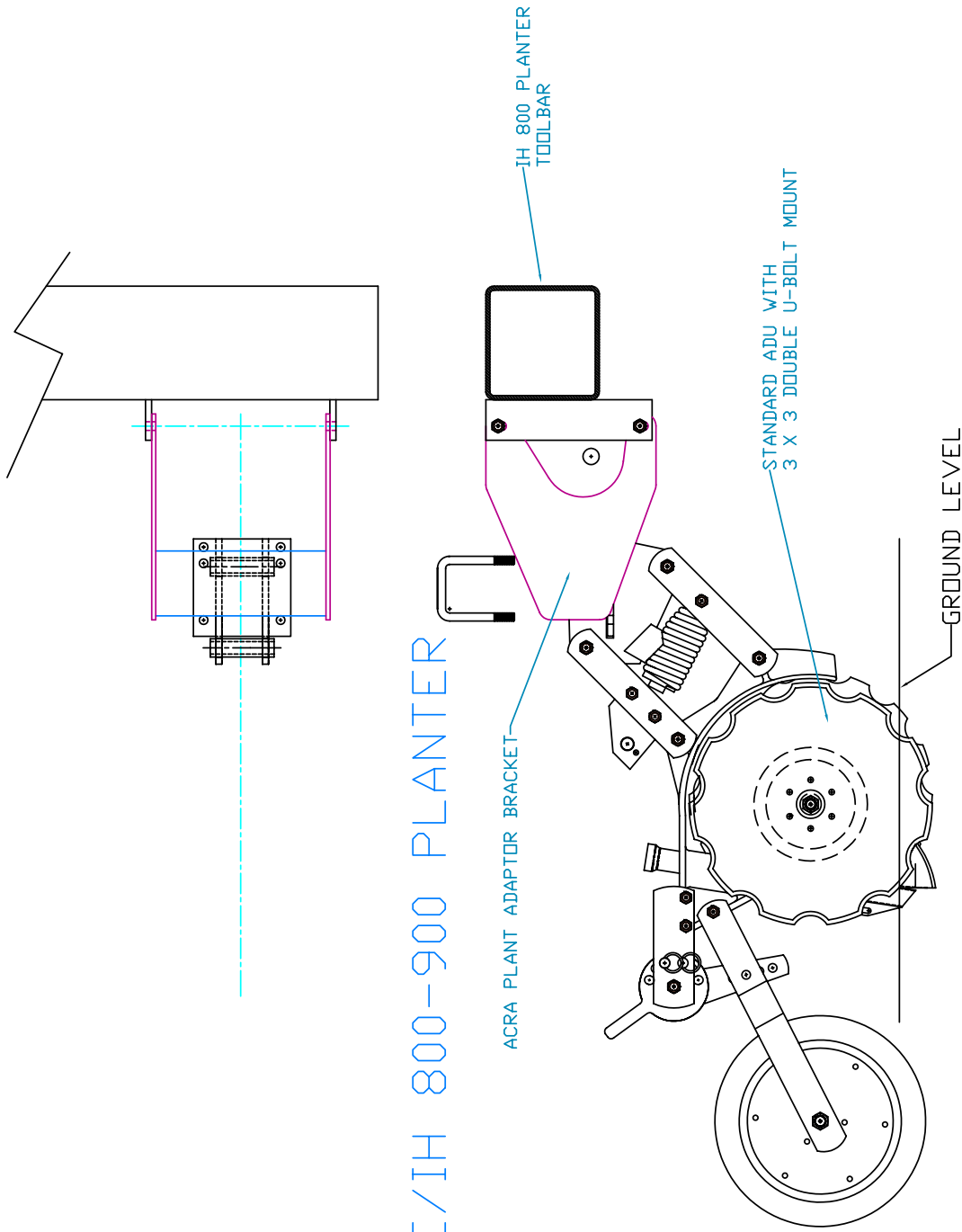


TOLERANCE UNLESS OTHERWISE NOTED		SHIELD AGRICULTURAL EQUIPMENT	
	0/0 +/- 1/32	DRAWN BY: ALBRIGHT	DATE: -
	0.00 +/- .020	CHECKED BY: -	DATE: -
	0.000 +/- .005	PART NO. AP-ADUXTENDED	
	0.0000 +/- .001	REV. -	
	ANGLE +/- 1/2		
REV.	BY	DATE	DESCRIPTION
-	-	-	ADU PROFILE STD. MOUNT W/ EXTENDED HEEL BKT.
-	-	-	MATERIAL ASSEMBLY
-	-	-	
-	-	-	



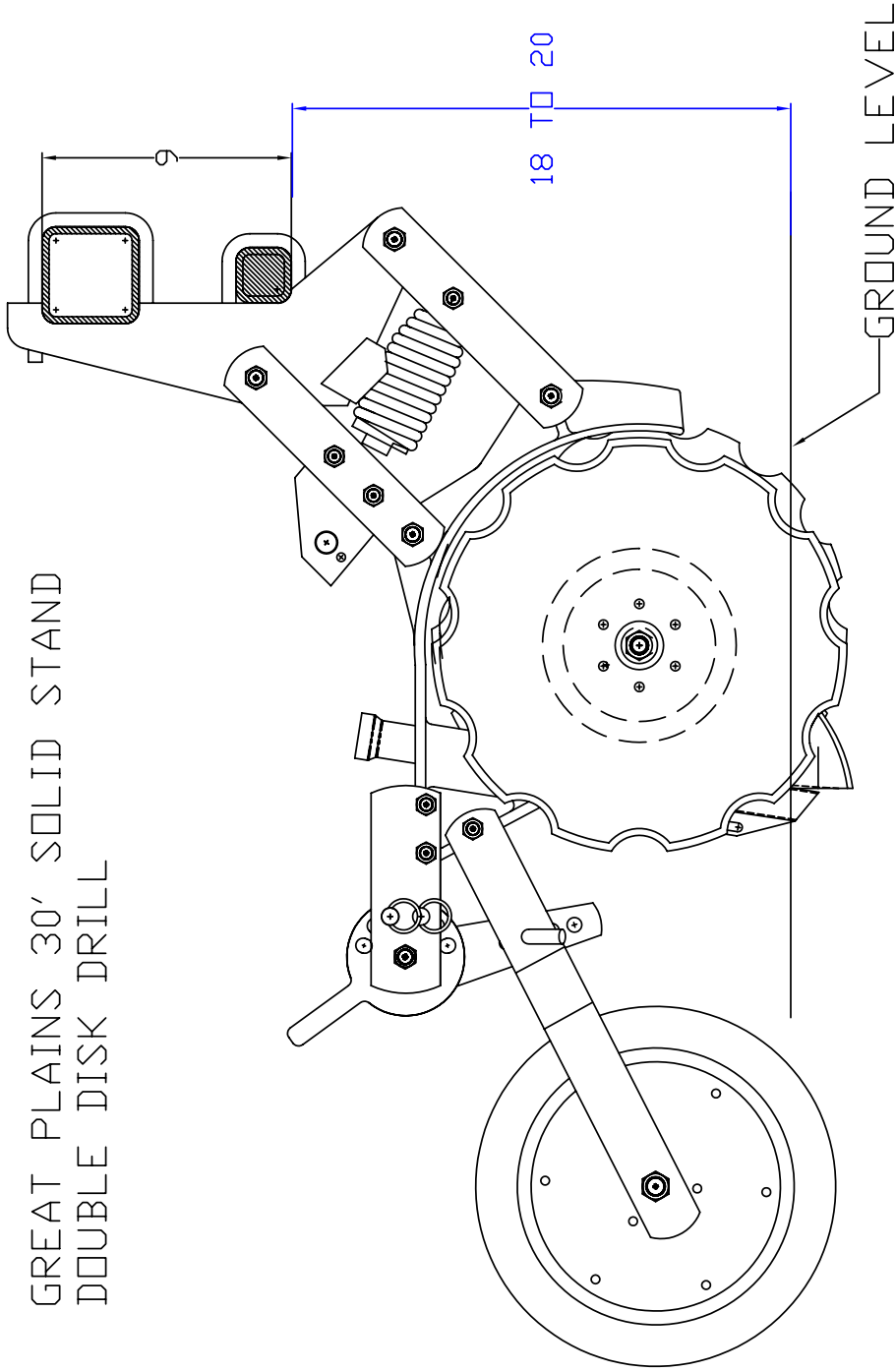
-		-		-		-		-		-		-		-	
REV.	BY	DATE	DESCRIPTION			MATERIAL			PART NO.			REV.			
			ADU PROFILE STD. MOUNT			ASSEMBLY			AP-ADU4X4PKES			-			
<p>SHIELD AGRICULTURAL EQUIPMENT</p> <p>DRAWN BY: ALBRIGHT DATE: -</p> <p>CHECKED BY: - DATE: -</p>															
<p>TOLERANCE UNLESS OTHERWISE NOTED</p> <p>0/0 +/- 1/32</p> <p>0.00 +/- .020</p> <p>0.000 +/- .005</p> <p>0.0000 +/- .001</p> <p>ANGLE +/- 1/2</p>															

CASE/IH 800-900 PLANTER

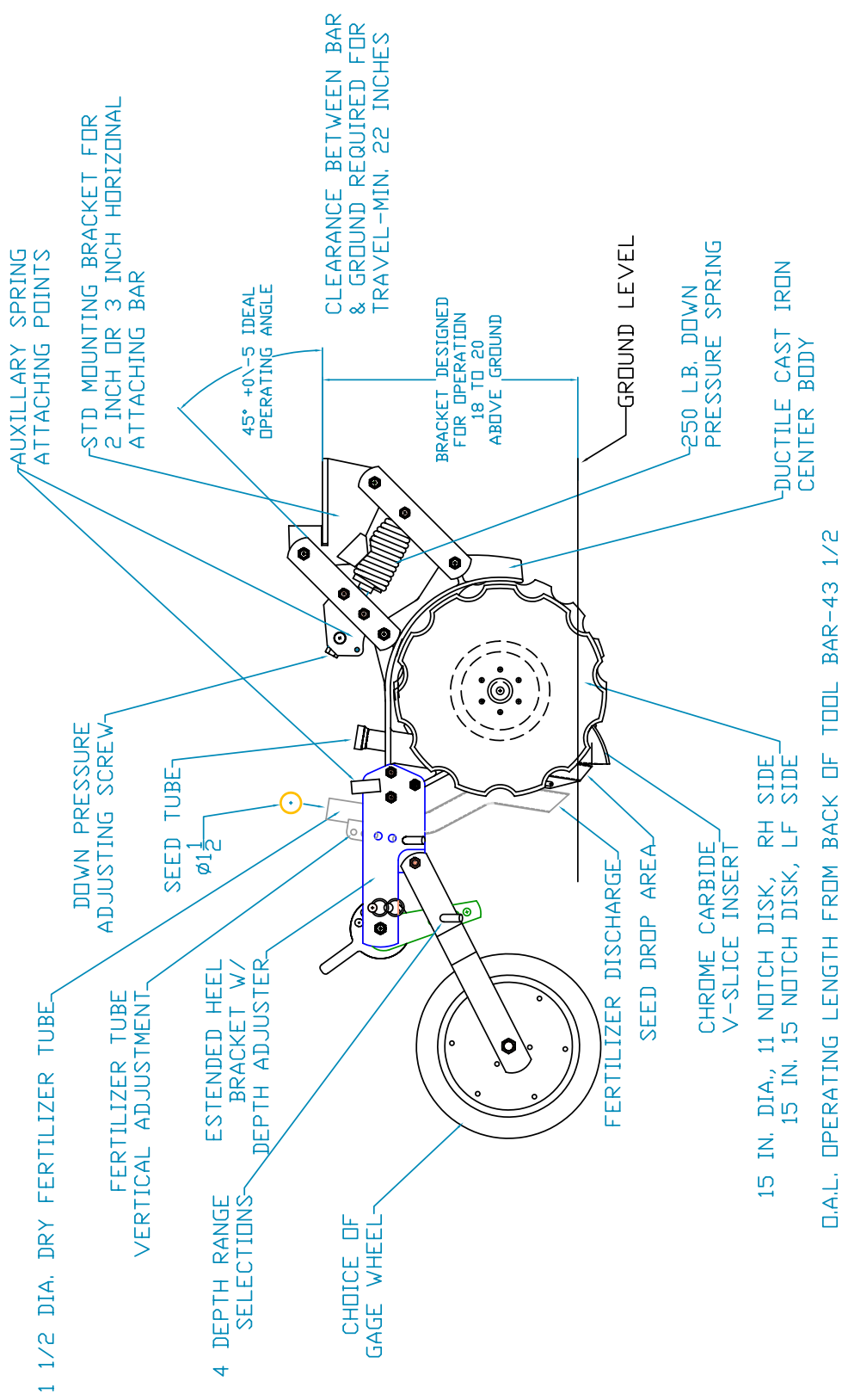


-		-		-		-		-		-		-		-	
REV.	BY	DATE	DESCRIPTION			MATERIAL			PART NO.			REV.			
			CASE/IH ADU MOUNTING			Assembly			AP-ADUCASEIH			-			
<p>SHIELD AGRICULTURAL EQUIPMENT</p> <p>TOLERANCE UNLESS OTHERWISE NOTED 0/0 +/- 1/32 0.00 +/- .020 0.000 +/- .005 0.0000 +/- .001 ANGLE +/- 1/2</p> <p>DRAWN BY: - DATE: - CHECKED BY: - DATE: -</p>															

GREAT PLAINS 30' SOLID STAND
DOUBLE DISK DRILL



-	-	-	-	-	-	TOLERANCE UNLESS OTHERWISE NOTED	SHIELD AGRICULTURAL EQUIPMENT DRAWN BY: - - DATE: - - CHECKED BY: - - DATE: - - PART NO. AP-ADUGREATPLAINS REV. -
-	-	-	-	-	-	0/0 +/- 1/32	
-	-	-	-	-	-	0.00 +/- .020	
-	-	-	-	-	-	0.000 +/- .005	
-	-	-	-	-	-	0.0000 +/- .001	
REV.	BY	DATE	DESCRIPTION	MATERIAL			
ADU PROFILE GREAT PLAINS MOUNT				ASSEMBLY			



TOLERANCE UNLESS OTHERWISE NOTED		SHIELD	
0/0 +/-	1/32	AGRICULTURAL EQUIPMENT	
0.00 +/-	.020	DRAWN BY: ALBRIGHT	DATE: -
0.000 +/-	.005	CHECKED BY: -	DATE: -
0.0000 +/-	.001	PART NO. AP-ADU STANDARD	
ANGLE +/-	1/2	REV. -	
DESCRIPTION		MATERIAL	
ADU PROFILE STD. MOUNT W/ EXTENDED HEEL BKT.		ASSEMBLY	

Acra Drill unit Planning Guide

Acra Plant offers several “off the shelf” versions of the ADU for standard toolbars. We have also engineered dozens of optional mounts and packing/closing wheels for just about any drill or planter application.

- OEM Drill conversions
- Air seeders
- Row crop planters
- Seed research plot drills/planters

If one of the Acra Plant standard solutions does not suit your need, “measure up” what you need and answer the following questions, then call 800-798-1968 and we’ll step you through a “customization process” to tailor the ADU to your application:

ATTACHING TOOLBAR SIZE Vertical (Height) and Horizontal (Width) of your toolbar _____

BAR OPERATING HEIGHT Measure from the bottom of the toolbar to the ground in the operating position

PRESS WHEEL DESIRED Narrow, wide, V-closer, and desired SIZE of your press wheel _____

CIRCLE ONE SINGLE SPRING (Standard) or **DOUBLE SPRING** (Optional) down pressure springs in the ADU linkage—REMEMBER, we can get to about 200 # of down pressure per row (plus unit weight), but your DRILL FRAME has to be able to handle the additional load and you MAY need to add ballast to the bar with double springs

ROW SPACING DESIRED Distance between rows _____

STAGGERED ROWS DESIRED YES NO Important for NARROW row configuration or trash flow

DRY FERTILIZER DESIRED YES NO Tell us HOW MUCH #/acre and WHERE you want it with respect to the seed placement and WHAT SIZE feed hose you are using

IF YOU THINK you would need very **special mountings** for an odd geometry or mounting, tell us a little about it (swivel mounts or vertical shank mounts) _____

YOUR NAME: _____ COMPANY NAME: _____

PHONE: _____ EMAIL ADDRESS : _____

ADDRESS: _____

**You can COPY this page with the information filled out and FAX IT to 800-878-1849 or 620-662-7482 or Email it to: InformationRequests@shieldag.com
www.acraplant.com www.shieldag.com Phone: 800-798-1968**

STRAIGHT FROM THE
HEARTLAND
SHIELDAG.COM



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MAILING: PO BOX 687 • HUTCHINSON, KS 67504

SHIPPING: 950 SCOTT BLVD • SOUTH HUTCHINSON, KS 67505

