



# Installation Instructions for Pad Stop Blocks

for 3PYP, 3PYPA, and 3P4025AH Planters

## Before Getting Started

Before you begin installation of your pad stop blocks, read these instructions carefully and check that all parts and tools in kit are accounted for. All hand and specialty tools for installation are provided at owner's expense. Please retain these installation instructions for future reference and parts ordering information.

These installation instructions contain information for assembling the pad stop blocks to the main machine. Please read all instructions in your planter thoroughly before proceeding.

Instructions contain information for all makes and models of the applicable machines.

## General Information

The pad stop block kit adds an additional pad stop blocks to 3PYP, 3PYPA, and 3P4025AH planters with 36" twin row spacing and row cleaners. The pad stop blocks increase the clearance between the openers and the fold cylinders.

### Tools Required

The following tools are required for installation:

- General hand tools.

Refer to page 4 for torque values chart.

### Further Assistance

If for any reason you do not understand any part of this manual or are otherwise dissatisfied, please contact:

**Great Plains Service Department**  
1525 E. North St.  
P.O. Box 5060  
Salina, KS 67402-5060

Or go to [www.greatplainsag.com](http://www.greatplainsag.com) and follow the contact information at the bottom of your screen for our service department.

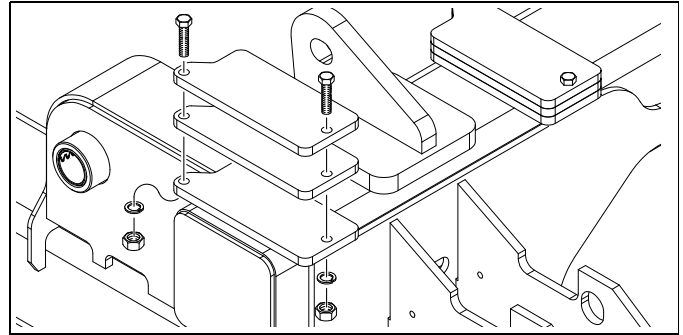


Figure 1  
Typical Pad Stop Block Installation

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## Recommended Manuals

All manuals related to this kit are available free of charge by visiting [www.greatplainsag.com](http://www.greatplainsag.com). Have machine model and serial numbers available.

### Parts Manuals

3PYP Planter	401-312M
3PYPA Planter	401-647P
3P4025AH Planter	411-099P

### Kits

Kits	Reference #
3P4025 TR36 UMC-Row Cleaner	207-301A
3P4025 TR36 Stand Alone Row Cleaner	207-302A

Refer to page 2 for a detailed list of parts included in these kits. Use these lists to inventory parts received.

## Kit Contents

Part Number	Part Description	Qty.
<b>207-301A</b>	<b>3P4025 TR36 UMC-ROW CLEANER KIT</b>	
204-085M-A	MANUAL YP UNIT MNT & RIGID CLTR - <i>NOT USED IN THIS INSTALLION</i>	1
207-922S	SINGLE ARM RC ASM LH - <i>NOT USED IN THIS INSTALLION</i>	12
207-093S	SINGLE ARM RC ASM RH - <i>NOT USED IN THIS INSTALLION</i>	12
401-964D	PAD STOP BLOCK	4
802-130C	HHCS 1/2-13x2 1/2 GR5	8
<b>207-302A</b>	<b>3P4025 TR36 STAND ALONE ROW CLEANER KIT</b>	
204-085M-A	MANUAL YP UNIT MNT & RIGID COULTER - <i>NOT USED IN THIS INSTALLION</i>	1
207-215K	LH ROW CLEANER UNIT - <i>NOT USED IN THIS INSTALLION</i>	12
207-216K	RH ROW CLEANER UNIT - <i>NOT USED IN THIS INSTALLION</i>	12
401-964D	PAD STOP BLOCK	4
801-130C	HHCS 1/2-13x2 1/2 GR5	8

## Installation Instructions

### 1 Preparation

1. Park the planter on a solid level surface.
2. Unfold the planter. See the operator manual for the planter for the correct procedure.
3. Apply the tractor parking brake, stop the engine, and take the key with you.

### 2 Installation for 3P4025AH

1. Select the location where first new pad stop block (1) is to be installed.
2. Remove the 1/2-13x1 1/4 bolt (2) and the spring lock washer (3) from the outer end of the pad stop block. Discard the bolt.
3. At the inner end of the pad stop block remove the 1/2-13x2 bolt (4), spring lock washer (5), and nut (6).
4. Set the new pad stop block on top of the old pad stop block (7).
5. At the outer end of the pad stop block install the 1/2-13x2 bolt (4) removed earlier from the inner end. Use the existing spring lock washer.
6. Install the new 1/2-13x2 1/2 bolt at the inner end of the pad stop blocks.
7. Install the existing spring lock washer and nut on the new bolt.
8. Repeat the procedure in the other three pad stop block locations.

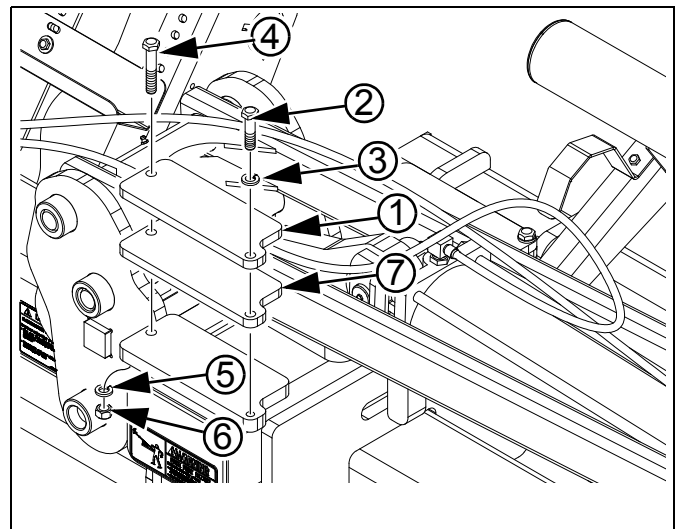


Figure 2  
Pad Stop Block Installation

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### 3 Installation for 3PYP and 3PYPA

1. Select the location where the first new pad stop block (1) is to be installed.
2. Remove the bolts  $1/2$ -13x1  $3/4$  (2), spring lock washers (3), and nuts (4) from pad stop block. Discard the bolts.
3. Set the new pad stop block on top of the old pad stop block (5).
4. Install the new  $1/2$ -13x2  $1/2$  bolts in the pad stop blocks.
5. Install the existing spring lock washers and nuts on the new bolts.
6. Repeat the procedure for the other pad stop blocks.

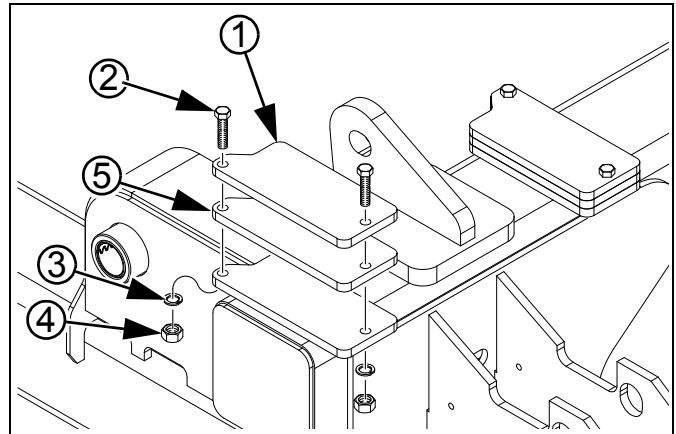








Figure 3  
Pad Stop Block Installation

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### 4 Torque Values Chart

Bolt Size	Bolt Head Identification					
						
	Grade 2		Grade 5		Grade 8	
in-tpi <sup>a</sup>	N-m <sup>b</sup>	ft-lb <sup>d</sup>	N-m	ft-lb	N-m	ft-lb
1/4-20	7.4	5.6	11	8	16	12
1/4-28	8.5	6	13	10	18	14
5/16-18	15	11	24	17	33	25
5/16-24	17	13	26	19	37	27
3/8-16	27	20	42	31	59	44
3/8-24	31	22	47	35	67	49
7/16-14	43	32	67	49	95	70
7/16-20	49	36	75	55	105	78
1/2-13	66	49	105	76	145	105
1/2-20	75	55	115	85	165	120
9/16-12	95	70	150	110	210	155
9/16-18	105	79	165	120	235	170
5/8-11	130	97	205	150	285	210
5/8-18	150	110	230	170	325	240
3/4-10	235	170	360	265	510	375
3/4-16	260	190	405	295	570	420
7/8-9	225	165	585	430	820	605
7/8-14	250	185	640	475	905	670
1-8	340	250	875	645	1230	910
1-12	370	275	955	705	1350	995
1 1/8-7	480	355	1080	795	1750	1290
1 1/8-12	540	395	1210	890	1960	1440
1 1/4-7	680	500	1520	1120	2460	1820
1 1/4-12	750	555	1680	1240	2730	2010
1 3/8-6	890	655	1990	1470	3230	2380
1 3/8-12	1010	745	2270	1670	3680	2710
1 1/2-6	1180	870	2640	1950	4290	3160
1 1/2-12	1330	980	2970	2190	4820	3560

Bolt Size	Bolt Head Identification					
						
	Class 5.8		Class 8.8		Class 10.9	
mm x pitch <sup>c</sup>	N-m	ft-lb	N-m	ft-lb	N-m	ft-lb
M 5 X 0.8	4	3	6	5	9	7
M 6 X 1	7	5	11	8	15	11
M 8 X 1.25	17	12	26	19	36	27
M 8 X 1	18	13	28	21	39	29
M10 X 1.5	33	24	52	39	72	53
M10 X 0.75	39	29	61	45	85	62
M12 X 1.75	58	42	91	67	125	93
M12 X 1.5	60	44	95	70	130	97
M12 X 1	90	66	105	77	145	105
M14 X 2	92	68	145	105	200	150
M14 X 1.5	99	73	155	115	215	160
M16 X 2	145	105	225	165	315	230
M16 X 1.5	155	115	240	180	335	245
M18 X 2.5	195	145	310	230	405	300
M18 X 1.5	220	165	350	260	485	355
M20 X 2.5	280	205	440	325	610	450
M20 X 1.5	310	230	650	480	900	665
M24 X 3	480	355	760	560	1050	780
M24 X 2	525	390	830	610	1150	845
M30 X 3.5	960	705	1510	1120	2100	1550
M30 X 2	1060	785	1680	1240	2320	1710
M36 X 3.5	1730	1270	2650	1950	3660	2700
M36 X 2	1880	1380	2960	2190	4100	3220

- a. in-tpi = nominal thread diameter in inches-threads per inch
- b. N·m = newton-meters
- c. mm x pitch = nominal thread diameter in mm x thread pitch
- d. ft-lb = foot pounds

Torque tolerance + 0%, -15% of torquing values. Unless otherwise specified use torque values listed above.

25199





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