





Main Wing Cylinder Stop Installation Instructions

✓ CHECK/INSPECT / ✍ RECORD / ▲ WORK IN PROGRESS / + SAFETY

Procedure to Install Cylinder Stop (SHIMS) – Main Wing


TOOLS REQUIRED: 2 – 3/4 “ FLAT WRENCHES	SAFETY CONSIDERATION: ENSURE PRESSURE HAS BEEN TAKEN OFF OF THE CYLINDERS AFTER WING HAS BEEN FOLDED	NOTES: THIS INSTRUCTION WILL WORK FOR THE 2” X 2”, 2” X 1 ½” AND 1 ½” x 1 ½” HYDRAULIC CYLINDER	Revision History <table><tr><th>Rev</th><th>Description</th><th>By</th><th>Date</th></tr><tr><td></td><td>New Released</td><td>Harlie/JQ</td><td>9/26/18</td></tr></table>	Rev	Description	By	Date		New Released	Harlie/JQ	9/26/18
Rev	Description	By	Date								
	New Released	Harlie/JQ	9/26/18								

STEP	DESCRIPTION	PHOTOS
	<p>Cylinder Stop (SHIMS) For All Main Wing Cylinders. This Cylinder Stop Is To Prevent Added Frame Stain to SeedMaster Drills While In The Transport Position.</p> 	

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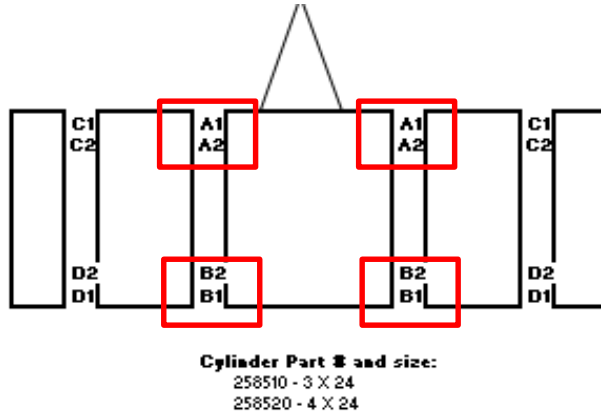
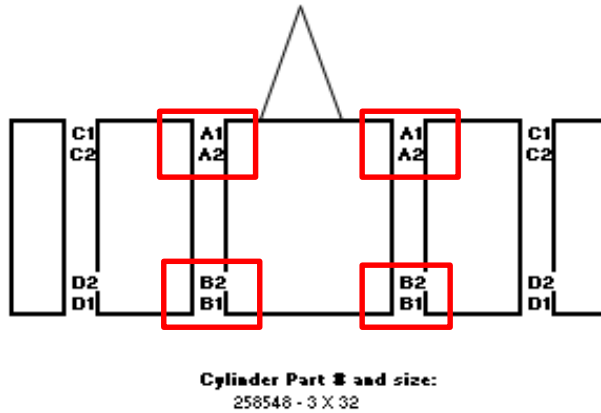
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STEP	DESCRIPTION	PHOTOS
1. PARTS LIST: ▲ 2 – ½” SHIM PLATES 6 – 10GA SHIM PLATES 2 – BOLT, HEX - 1/2 X 2 1/2 UNC GR5 PL 2 – NUT, HEX - 1/2 UNC GR5 PL 2 – WASHER, FLAT - 1/2 IN SAE PL 1 – SHIM RETAINING CLIP <u>REFER TO APPENDIX A FOR CYLINDER STOP LOCATIONS ON YOUR MACHINE</u>	<p>NOTE: FOR AFTER MARKET SALES THIS IS HOW THE STOP PACKS WILL LOOK. (407620 – 2” x 2”, 407621 – 2” x 1 ½” AND 407622 – 1 ½” x 1 ½”)</p>	

Work Instruction

✔ - CHECK/INSPECT / ✍ - RECORD / 🔵 - WORK IN PROGRESS / 🛑 - SAFETY


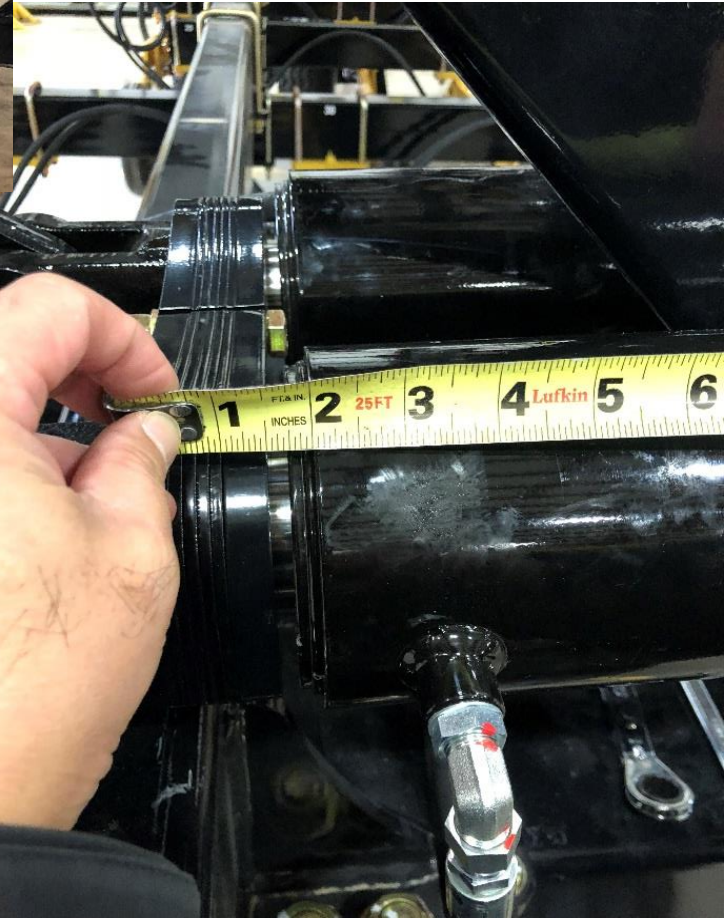
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APPENDIX "A"	<div>  <p>Cylinder Part # and size: 258510 - 3 X 24 258520 - 4 X 24</p> </div> <div> <table> <tr><th colspan="13">Hydraulic Cylinder Layout</th></tr> <tr> <th></th><th>Machine</th><th>A1</th><th>A2</th><th>SHIM</th><th>B1</th><th>B2</th><th>SHIM</th><th>C1</th><th>C2</th><th>SHIM</th><th>D1</th><th>D2</th><th>SHIM</th></tr> <tr> <td rowspan="4">40C</td><td>4012</td><td>258510</td><td>-</td><td></td><td>258520</td><td>-</td><td></td><td>-</td><td>-</td><td></td><td>-</td><td>-</td><td></td></tr> <tr> <td>1'8"-10</td><td>258510</td><td>-</td><td>N/A</td><td>258520</td><td>-</td><td>N/A</td><td>-</td><td>-</td><td>N/A</td><td>-</td><td>-</td><td>N/A</td></tr> <tr> <td>4212</td><td>258510</td><td>-</td><td></td><td>258520</td><td>-</td><td></td><td>-</td><td>-</td><td></td><td>-</td><td>-</td><td></td></tr> <tr> <td>3'4"-10</td><td>258510</td><td>-</td><td></td><td>258520</td><td>-</td><td></td><td>-</td><td>-</td><td></td><td>-</td><td>-</td><td></td></tr> <tr> <td 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PLEX	4412	258520	-		258520	-		-	-		-	-		4010	258520	-		258520	-		-	-		-	-		4012	258520	-	N/A	258520	-	N/A	-	-	N/A	-	-	N/A	1'8"-10	258520	-		258520	-		-	-		-	-		WIDE 3 PLEX	4212	258520	-		258520	-		-	-		-	-		4410	258520	-		258520	-		-	-		-	-		4412	258520	-		258520	-		-	-		-	-		4610	258520	-	N/A	258520	-	N/A	-	-	N/A	-	-	N/A	6 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Title
Work Instruction

✔ - CHECK/INSPECT / ✍ - RECORD / 🔵 - WORK IN PROGRESS / ⚠ - SAFETY

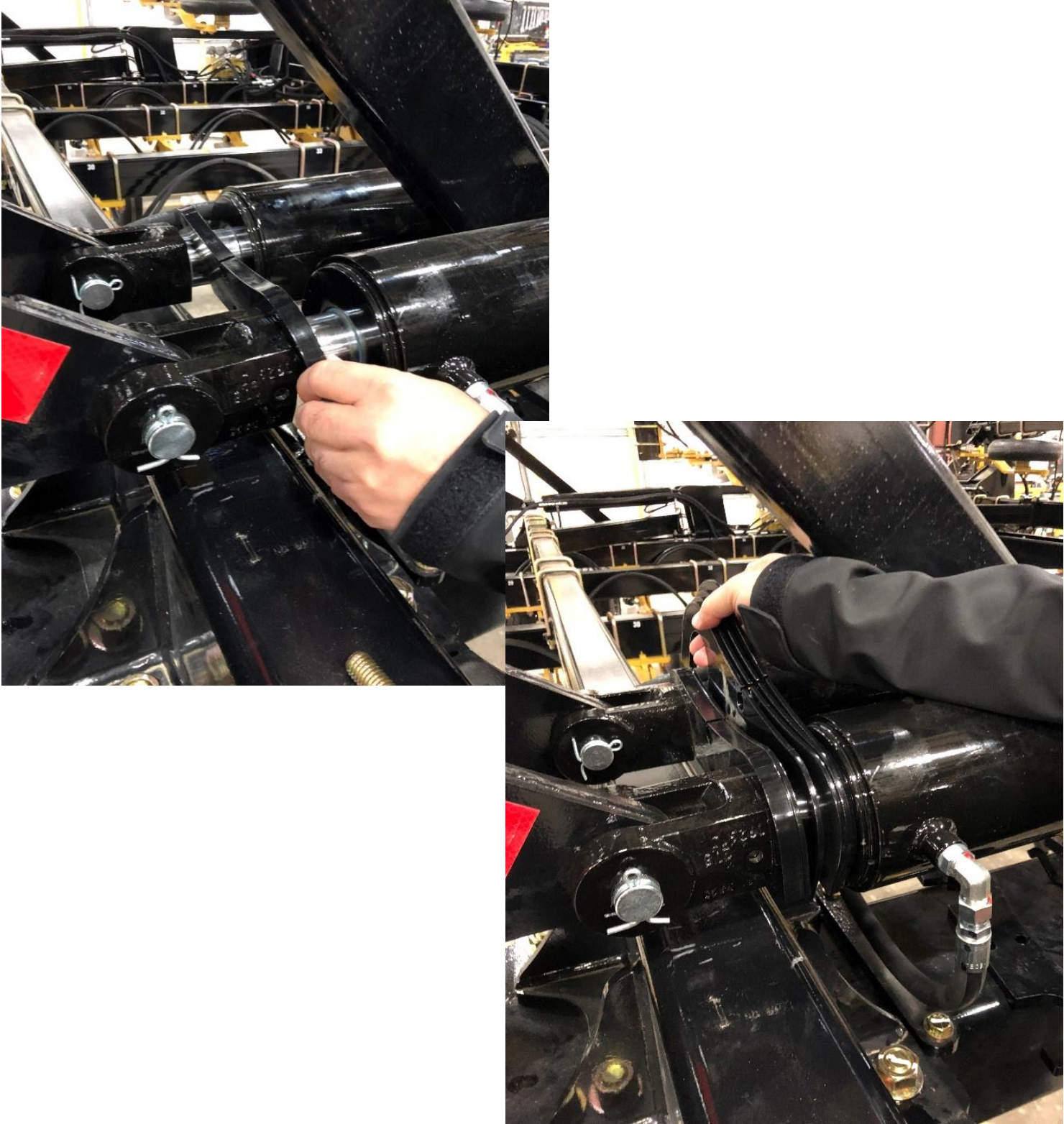
Procedure to Install Cylinder Stop (SHIMS) – Main Wing

STEP	DESCRIPTION	PHOTOS
1.	<p>MAKE SURE DRILL IS FOLDED BEFORE STARTING INSTALLATION. ENSURE TO FLOAT TRACTOR REMOTE AND RELIEVE ALL HYDRAULIC WING UP PRESSURE. INSPECT THE WING UP (WUP) GAUGE TO CONFIRM WING UP PRESSURE IS FULL RELIEVED BEFORE STARTING INSTILATION.</p> <p>🔵</p>	
2.	<p>WHILE INSTALLING ENSURE THE GAP BETWEEN CYLINDER BODY AND LAST STOP PLATE IS NO MORE THAN 3/8" AND NOT LESS THAN 1/8". IF THE GAP IS TOO BIG, REMOVE BOLTS AND ADD MORE SHIMS TO REDUCE GAP. AND IF THE GAP IS TOO SMALL, REMOVE BOLTS AND REMOVE UN-NEEDED SHIMS AND REPLACE BOLTS.</p> <p>★ FOLLOW STEP 3- 10 TO COMPLETE INSTILLATION.</p> <p>🔵</p>	

Title
Work Instruction

✔ - CHECK/INSPECT / ✍ - RECORD / 🔵 - WORK IN PROGRESS / ⚠ - SAFETY



Procedure to Install Cylinder Stop (SHIMS) – Main Wing

STEP	DESCRIPTION	PHOTOS
3.	START BY INSTALLING THE FIRST - ½” PLATE AS ILLUSTRATED. 🔵	
4.	ADD FOUR 10GA SHIMS AS ESTIMATED SHIM REQUIREMENT. 🔵	

Work Instruction

✔ - CHECK/INSPECT / ✍ - RECORD / 🔵 - WORK IN PROGRESS / ⚠ - SAFETY


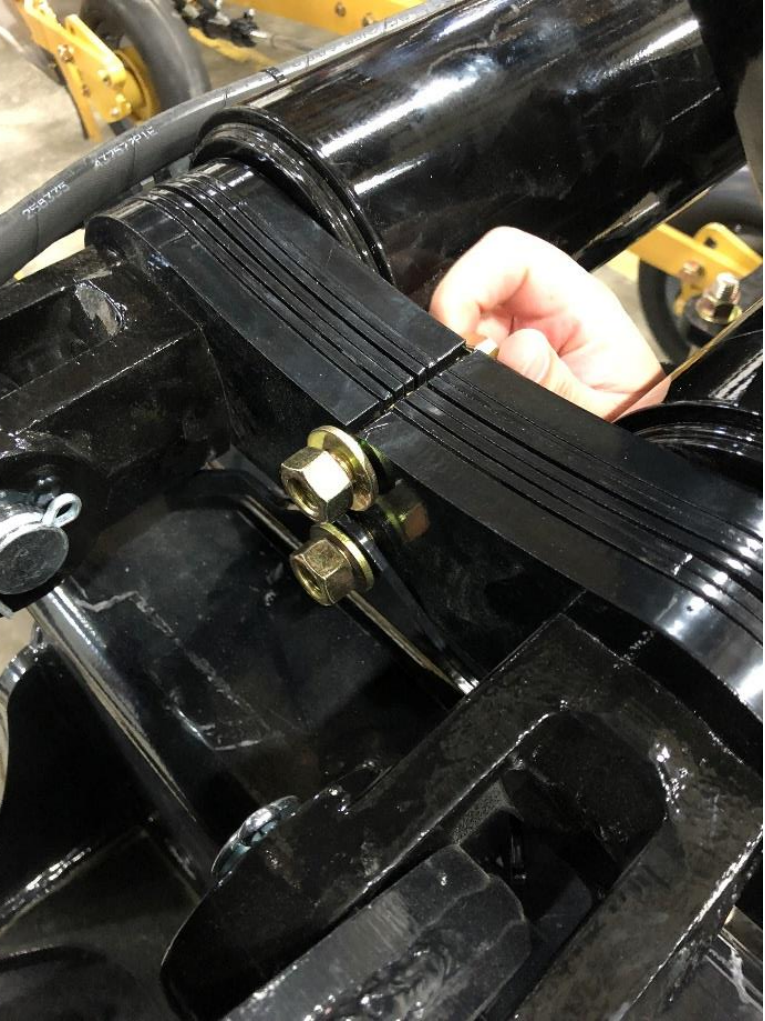
Procedure to Install Cylinder Stop (SHIMS) – Main Wing

STEP	DESCRIPTION	PHOTOS
5.	ADD 2 ND ½ PLATE AFTER 10GA SHIMS. 🔵	
6.	ADD THE 10GA SHIM PLATES AS NEEDED BY MEASUREMENT. 🔵	

Title
Work Instruction

✔ - CHECK/INSPECT / ✍ - RECORD / ▲ - WORK IN PROGRESS / ⚠ - SAFETY

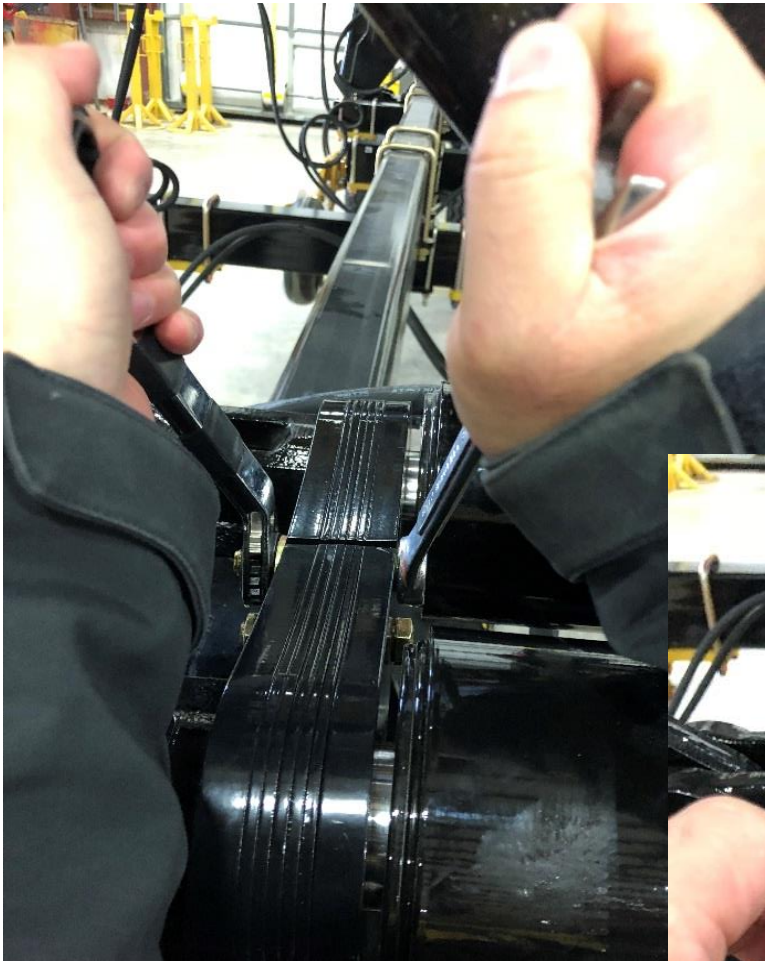
Procedure to Install Cylinder Stop (SHIMS) – Main Wing

STEP	DESCRIPTION	PHOTOS
7.	ENSURE 10GA SHIM RETAINING CLIP IS HOOKED INTO THE BOTTOM OF BOTH CLEVIS’S ONCE BOTTOM BOLT IS ADDED TO HOLD PLATE IN PLACE. ▲	
8.	ONCE BOTTOM HAS BEEN PLACED INTO POSITION PLACE NUTS, WASHERS AND BOLTS. ▲	

Title
Work Instruction

✔ - CHECK/INSPECT / ✍ - RECORD / 🔵 - WORK IN PROGRESS / ⚠ - SAFETY

Procedure to Install Cylinder Stop (SHIMS) – Main Wing

STEP	DESCRIPTION	PHOTOS
9. TIGHTEN. 🔵		
10. ENSURE THE GAP BETWEEN CYLINDER BODY AND LAST STOP PLATE IS NO MORE THAN 3/8" AND NOT LESS THAN 1/8" . IF THE GAP IS TOO BIG, REMOVE BOLTS AND ADD MORE SHIMS TO REDUCE GAP. AND IF THE GAP IS TOO SMALL, REMOVE BOLTS AND REMOVE UN-NEEDED SHIMS AND REPLACE BOLTS. ✔		