

DuraWear™

Durawear Parallel Arm Installation Guide John Deere Row Units



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753000 John Deere ME2/XP/ME5/ME+ Short Parallel Arms

This section is intended for use when installing Durawear parallel arms on short parallel arm John Deere ME2, XP or ME5 row units.

John Deere Parallel Arm Kit — Short Parallel Arms — 753000

Description	Quantity
JD Short Parallel Arm Hardware Kit	1
JD Lower Parallel Arm	1
JD Parallel Arm, Upper	2
JD Parallel Arm Bushing Kit (8 bushings)	1

Installation Procedure

Step 1:

Disengage the downforce system. This will allow the toolbar to be lowered so that the row units can rest on the ground without applying any load to the parallel arms. If DeltaForce is installed, remove the lower cylinder pin and set it aside. The pin will be reused later.

Step 2:

With the parallel arms horizontal, remove the lower parallel arm and hardware. These will not be reused. Set aside any other accessories that will be reused (vApply HDs, CAN hubs, etc.)

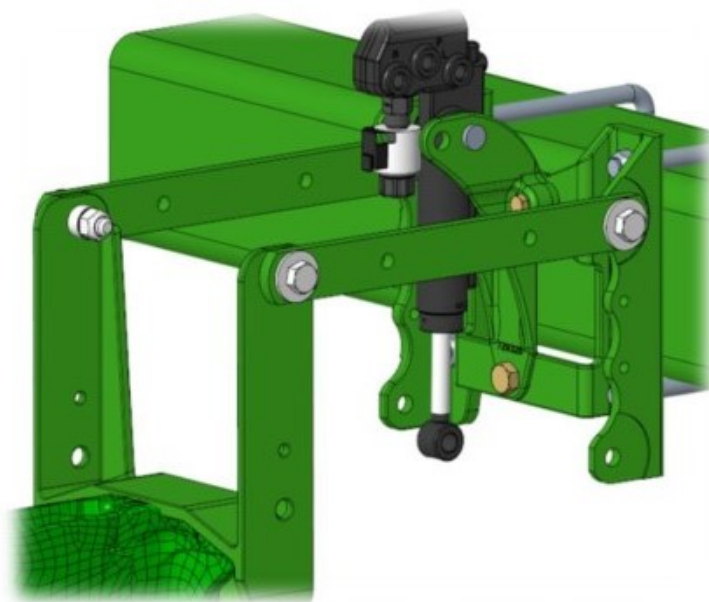


Figure 1.
Lower Parallel Arm Removed

Step 3:

Install the 753010 lower parallel arm (1) using the supplied M16 x 55 bolts (2), 753014 hardened bushings (3), 5/8" USS washers (4) and M16 top lock nuts (5) to finger tightness. **Then torque each joint to 160 ft-lb.**

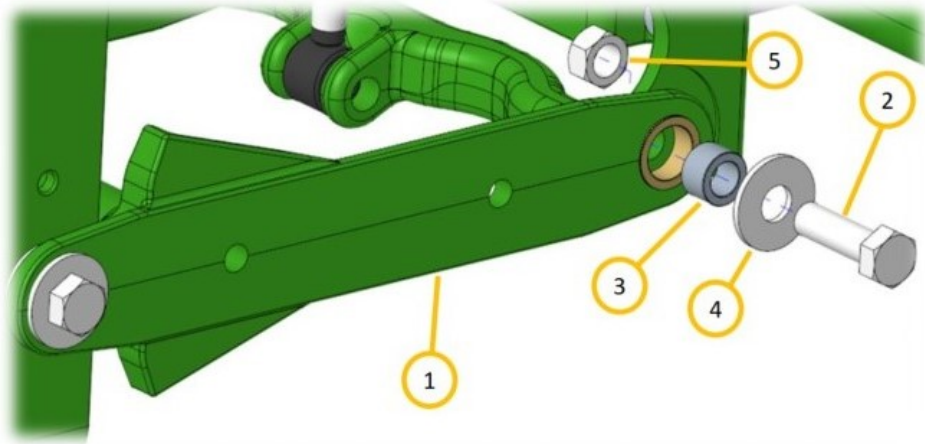


Figure 2.
Lower Parallel Arm Installation

Note: If the row unit is not equipped with side panels, use a 5/8" USS washer (1) on each side to shim the inner bushing away from the goal post. If the row unit is equipped with side panels, no washers are necessary.

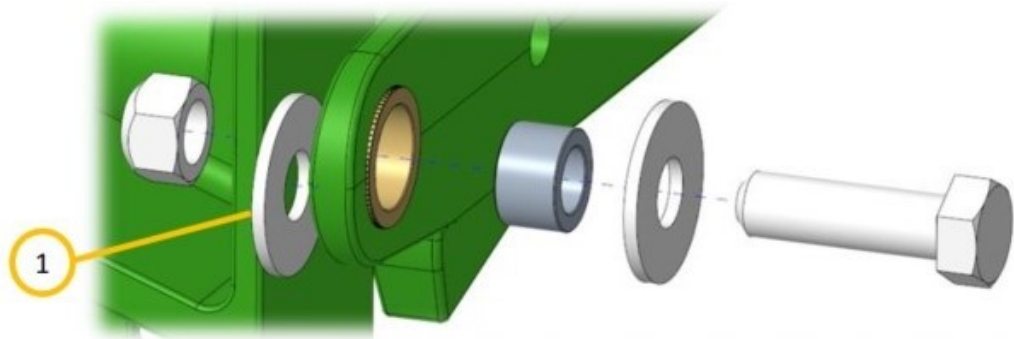


Figure 3.
Spacer Installation

Note: Systems installing Durawear Parallel Arms with John Deere hydraulic downforce will reuse the Deere hydraulic downforce bracket and pin the hydraulic cylinder to it.



Figure 4.
JD Bracket (Green) installed on Durawear short arms (Grey)

Step 4:

If the row unit is equipped with DeltaForce, reinstall the lower cylinder pin.

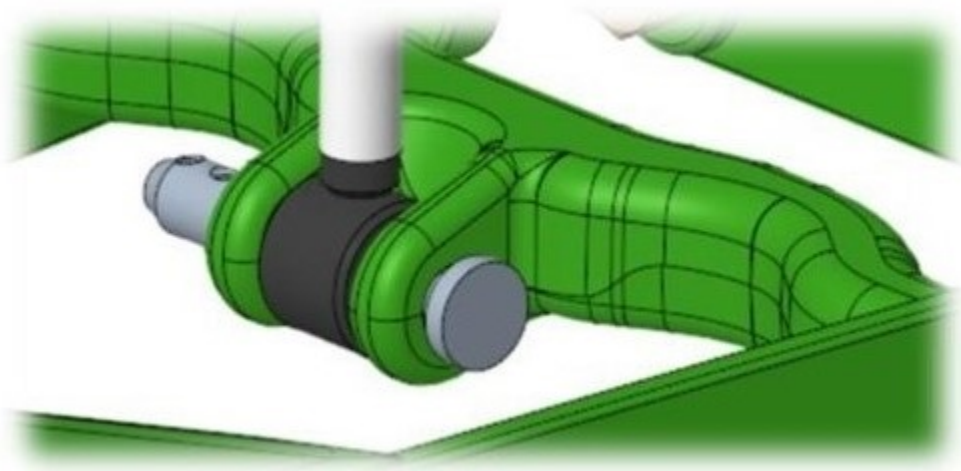


Figure 5.
DeltaForce Cylinder Pin Installation

Step 5:

Remove the left upper parallel arm. Install the 753013 upper parallel arm (1) using the supplied M16 x 55 bolts (2), 1x M16 x 65 bolt (3), 753014 hardened bushings (4), 5/8" USS washers (5) and M16 top lock nuts (6) to finger tightness. **Then torque each joint to 160 ft-lb.**

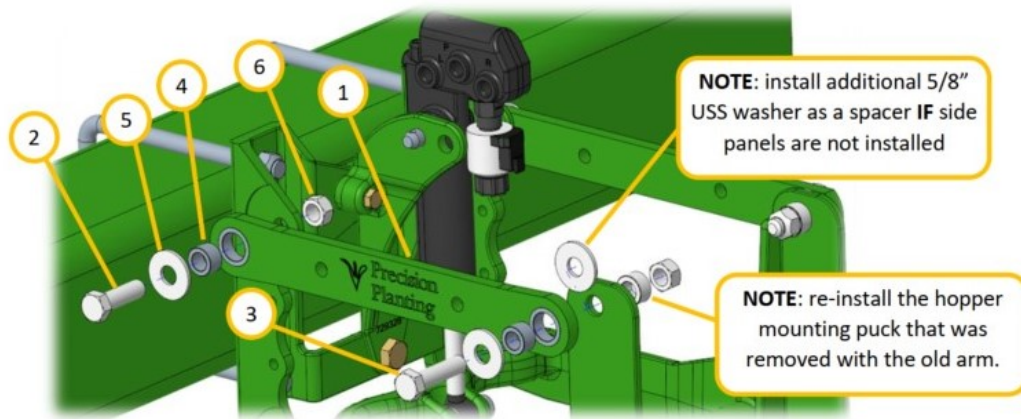


Figure 6.
Upper Arm Installation

Note: If installing with a wide W-plate where parallel arms are on the inside of the plate, the washer location (5) will move to the inside of the W-plate and install under the nut (6). An additional washer may still be added to the outside of the W-plate, but is not necessary.

Step 6:

Repeat Step 5 for installation of the right upper parallel arm.

Step 7:

Reinstall or re-engage the downforce system if necessary. Reinstall any other components that were removed in Step 2.

Step 8:

When installation is complete, verify that the row unit can move freely through its entire range of motion. Make sure all harnesses, hoses and cables are properly routed.

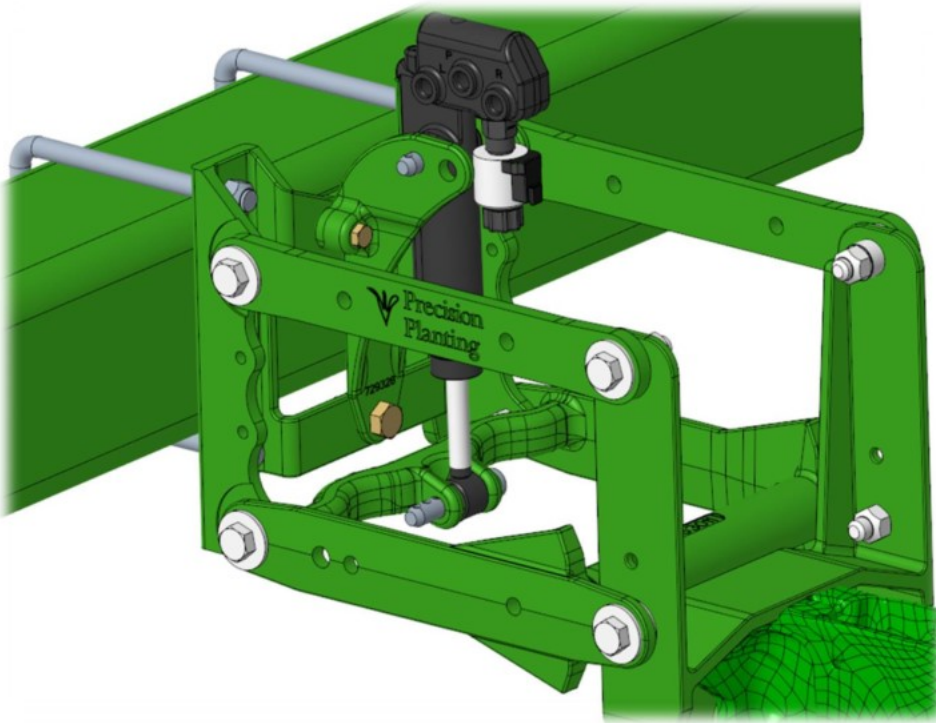


Figure 7.
Completed Installation

753017 John Deere ME2/XP/ME5/ME+ Long Parallel Arms

This section is intended for use when installing Durawear parallel arms on long parallel arm John Deere ME2, XP, ME5 or ME+ row units.

John Deere Parallel Arm Kit — Long Parallel Arms — 753017

Description	Quantity
JD Long Parallel Arm Hardware Kit	1
JD Lower Parallel Arm	2
JD Upper Parallel Arm	1
JD Parallel Arm Bushing Kit (8 Bushings)	1

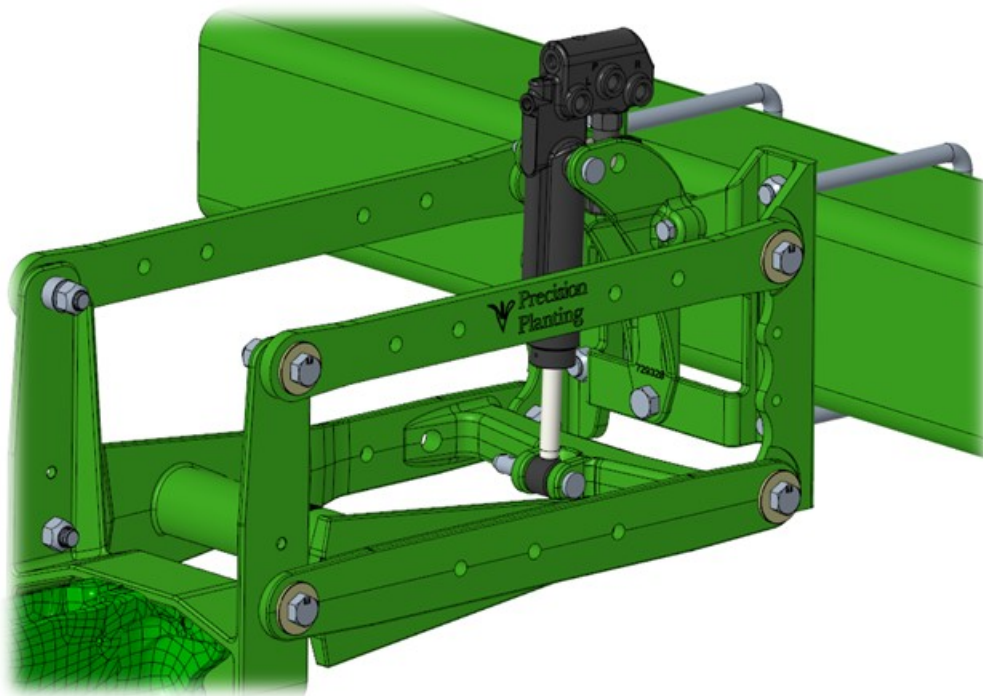
Installation Procedure

Step 1:

Disengage the downforce system. This will allow the toolbar to be lowered to set the row units on the ground without applying any load to the parallel arms. If DeltaForce is installed, remove the lower cylinder pin and set it aside. This will be reused.

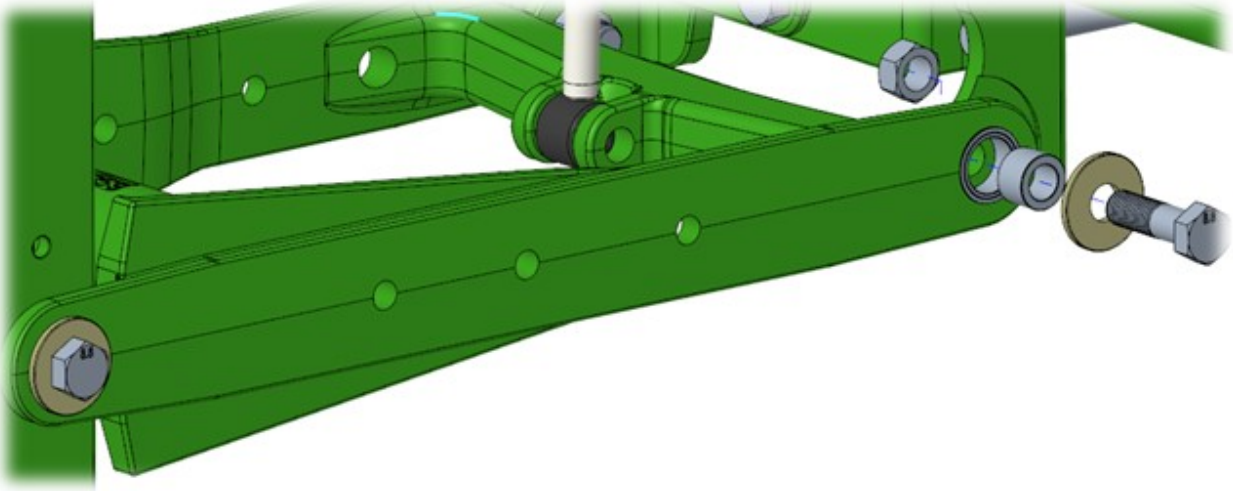
Step 2:

With the parallel arms horizontal, remove the lower parallel arm and hardware. These will not be reused. Set aside any other accessory that will be reused (e.g. vApplyHD, CAN hub).

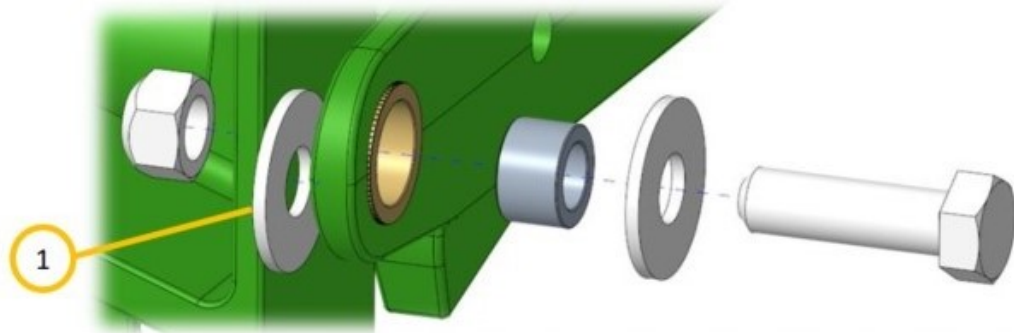


Step 3:

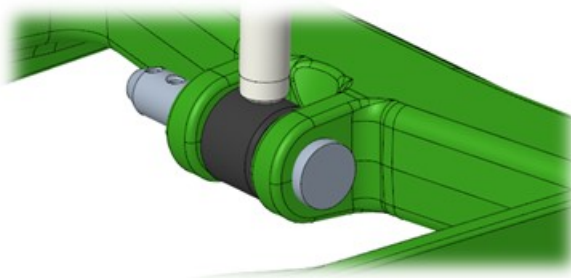
Install the 753058 lower parallel arm (1) using the supplied M16 x 55 bolts (2), 753014 hardened bushings (3), 5/8" USS washers (4), & M16 top lock nuts (5) until finger tight. Then **torque each joint to 160 ft-lb.**

**Step 4:**

If the row unit is *not* equipped with panels, use a 5/8" USS washer (1) on each side to shim the inner bushing away from the goal post. No spacers are required on the w-plate bolted joint.

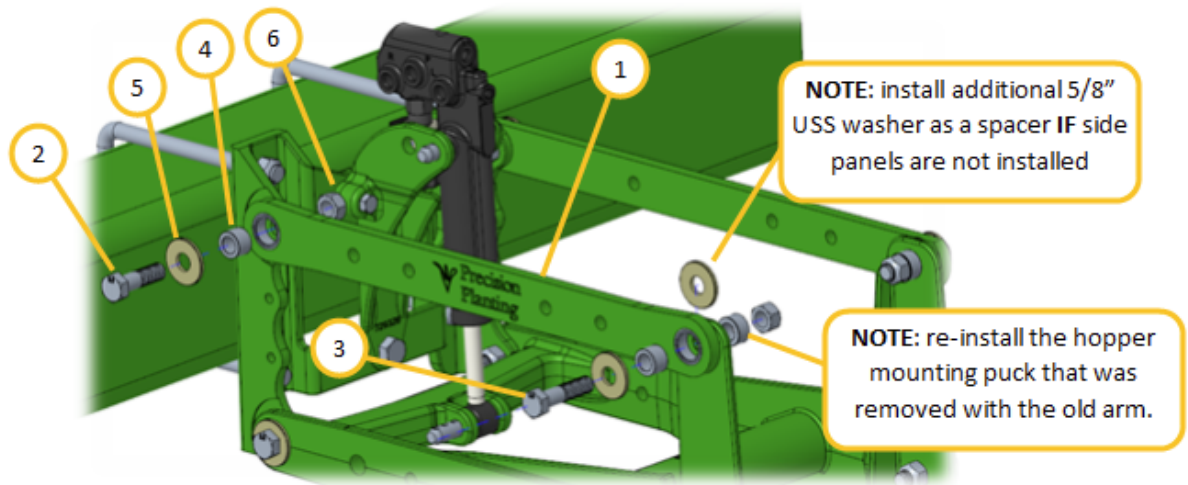
**Step 5:**

If equipped with DeltaForce, the lower cylinder pin can be reinstalled at this point.



Step 6:

Remove the left upper parallel arm. Install the 753066 upper parallel arm (1) using the supplied hardware: 1x M16 x 55 bolts (2), 1x M16 x 65 bolt (3), 753014 hardened bushings (4), 5/8" USS washers (5), and M16 top lock nuts (6) until finger tight. Then **torque each joint to 160 ft-lb.**



Note: If installing with a wide W-plate where parallel arms are on the inside of the plate, the washer location (5) will move to the inside of the W-plate and install under the nut (6). An additional washer may still be added to the outside of the W-plate, but is not necessary.

Step 7:

Repeat step 6 to install the right parallel upper arm.

Step 8:

If necessary, reinstall or re-engage the downforce system. Reinstall any other component that was removed to make installation easier (lift switches, vApply modules, CAN hub, zip ties, etc.).

Step 9:

With installation complete, verify that the row unit can move freely through its entire travel range. Make sure all harnesses, hoses, & cables are properly routed.

