

WEEDit Transport Unloading & Setup Guide (as shown for a 36 metre boom)

Version 3B for WEED-IT Quadro

Please read this guide, MP-375 kit information and Croplands Safety booklet before unloading the WEED-IT sprayer.

Items required for assembly and set up.

- Suitable lifting equipment to remove upper 6 meter boom tip from the transport position, (approximate weight of the 6 meter boom is 500kgs).
- Tension wrenches capable of 800 Nm and 250Nm tension.
- Tyre inflation equipment and pressure gauge to suit.
- WEEDit Transport Kit (MP-375) information sheet (2 pages) (should be in the red box with controllers etc).

CROPLANDS

WEEDit Transport Kit (MP-375) – update 3 (Quadro)

WEEDit Transport Brackets & Frames : Return to Croplands after delivery.

WEEDit Sprayers with booms longer than 28 metres are shipped double tiered with the outer castor wheels supplied in separate frames. This requires a variety of brackets, braces & hardware, as per this document.

Customers are billed for the transport kit – which is refunded upon return of all components – all larger yellow items on a pallet along with smaller items, plates and hardware in the spare red crate.

- Note: From time to time items supplied will vary from the standard kit.
- Use these pages to check off supplied & returned components.

Delivery will include the castor wheels bolted to the MP-379 frames, and then also used to support the boom to the truck's trailer.



Delivery will include the boom protection bars and crate which includes controllers, manuals etc all wrapped to a pallet along with a spare crate. Please use the pallet and spare crate to ship the transport kit components back to croplands.



			
MP-371-1L QTY: 1	MP-371-1R QTY: 1	MP-371-3 QTY: 2	MP-371-2 QTY: 4
Use plate MP-371-2	Use plate MP-371-2	Mount to MP371-1L / 1R	Use with MP371-1L / 1R

Document Date
05/12/2019 (Update 3)

Product Notification

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From late 2019 onwards 36m WEED-IT sprayers are being delivered with the castor wheels installed into individual frames which are also used to support the boom to the trailer's bed.

- (1) Prepare to unload from the truck. Remove all tie downs etc.
- (2) Unload both castor wheel & frame assemblies.



- (3) Connect suitable size tractor to WEEDit unit and tow off the truck - slowly and carefully. Check the clearance between the spray rails and truck ramps as the machine is unloaded. This is not a 1 man job.

Maximum transport distance of 1 km below 5 KM/H until upper boom is removed.

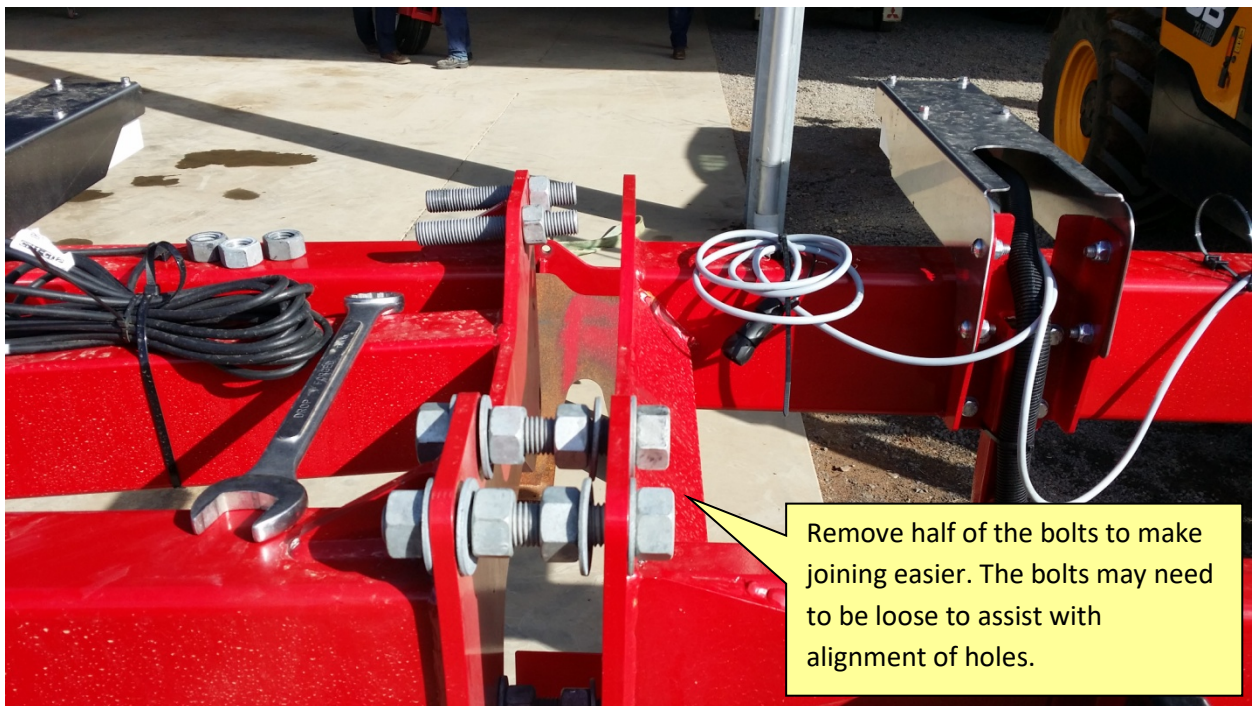
- (4) Loosen hardware for the yellow transport stands that are attaching the upper boom to the lower boom. Place suitable lifting device under the boom, remove the mounting hardware.



- (5) Raise the boom and tow the WEEDit forwards and lower outer boom to a suitable working height.
(6) Remove front & rear transport stands.



(7) Reverse the WEEDit unit (or very carefully take outer boom to the unit) to connect the booms together.

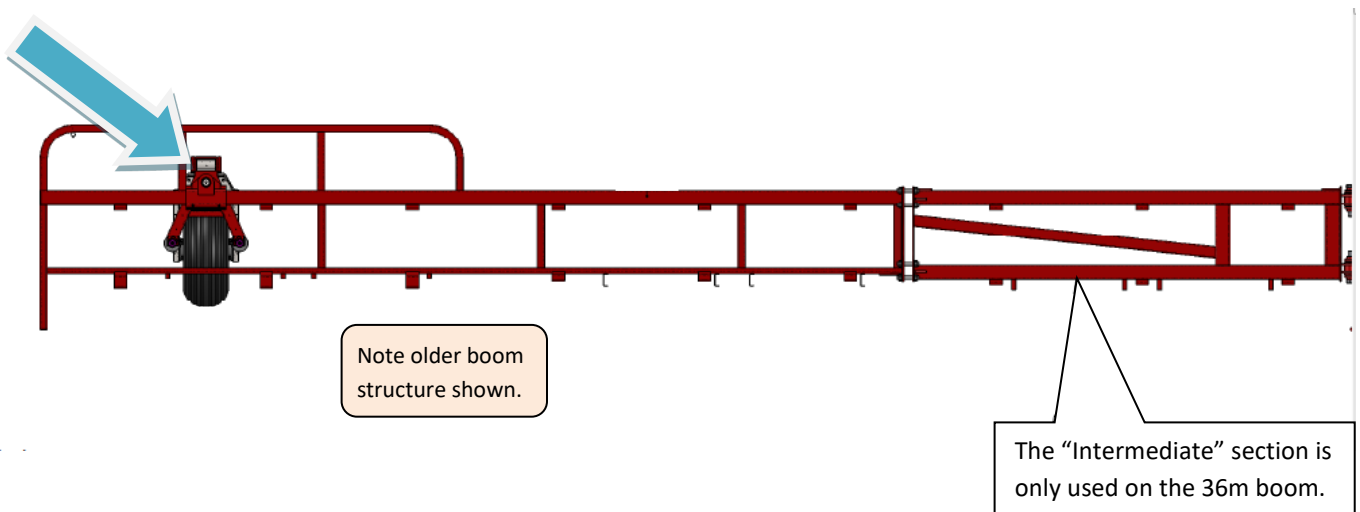


(8) Join boom together. Add all of the bolts and washers leave them loose to assist with the boom alignment.

- (9) Fit all nuts and washers, adjust top outer bolts first to get 1000mm spacing between the centre lines of the cameras at the join point.



- (10) Fit outer castor wheels while outer boom is supported by the forklift. Position as per the diagram below, and is the same for 36, 32 or 30m boom. Note the pivot pin is to the front of the main boom section.

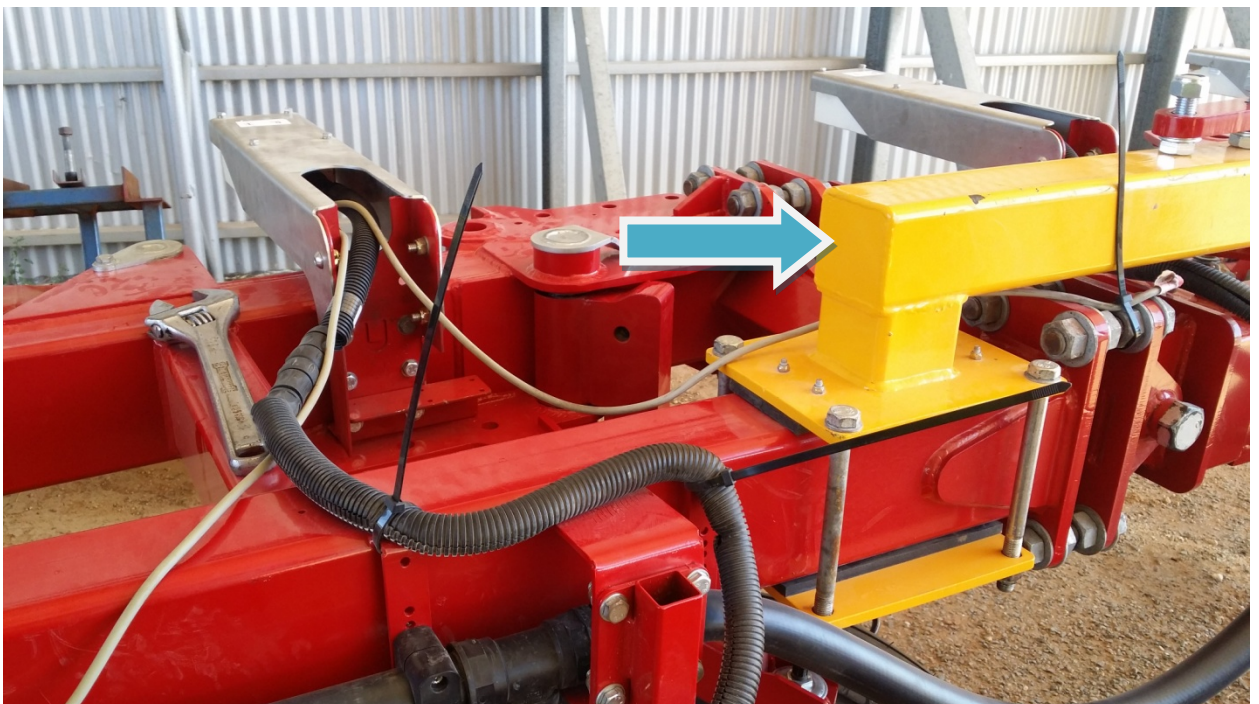


- (11) Adjust the top inner bolts to align all camera brackets.
- (12) Adjust all 4 lower bolts to get the boom parallel to the ground at the join point.

Tension all nuts to 800Nm.



- (13) Remove yellow inner pivot brace. Remember to return all "Yellow" Transport kit components, including nuts, bolts and washers to Croplands for credit.



Place all hardware and plates in the red crate in preparation for return to Croplands along with all “Yellow” items.

Collect and pack all “Yellow” items for return. See the transport kit guide.

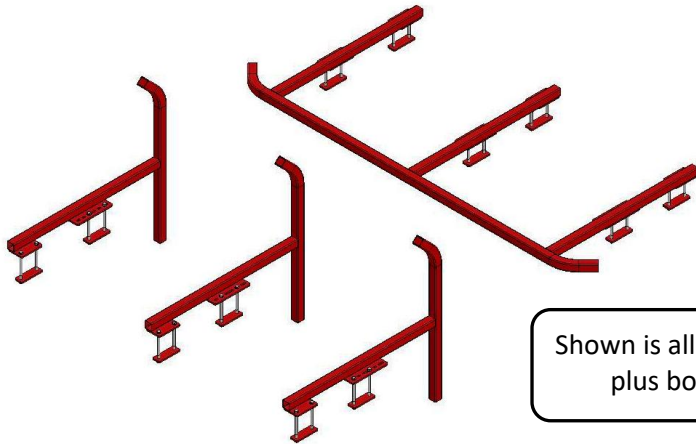


(14) Connect all spray lines (spot, blanket (if applicable) and fence line) and all WEED-IT / electrical connections between the main boom and tip sections.



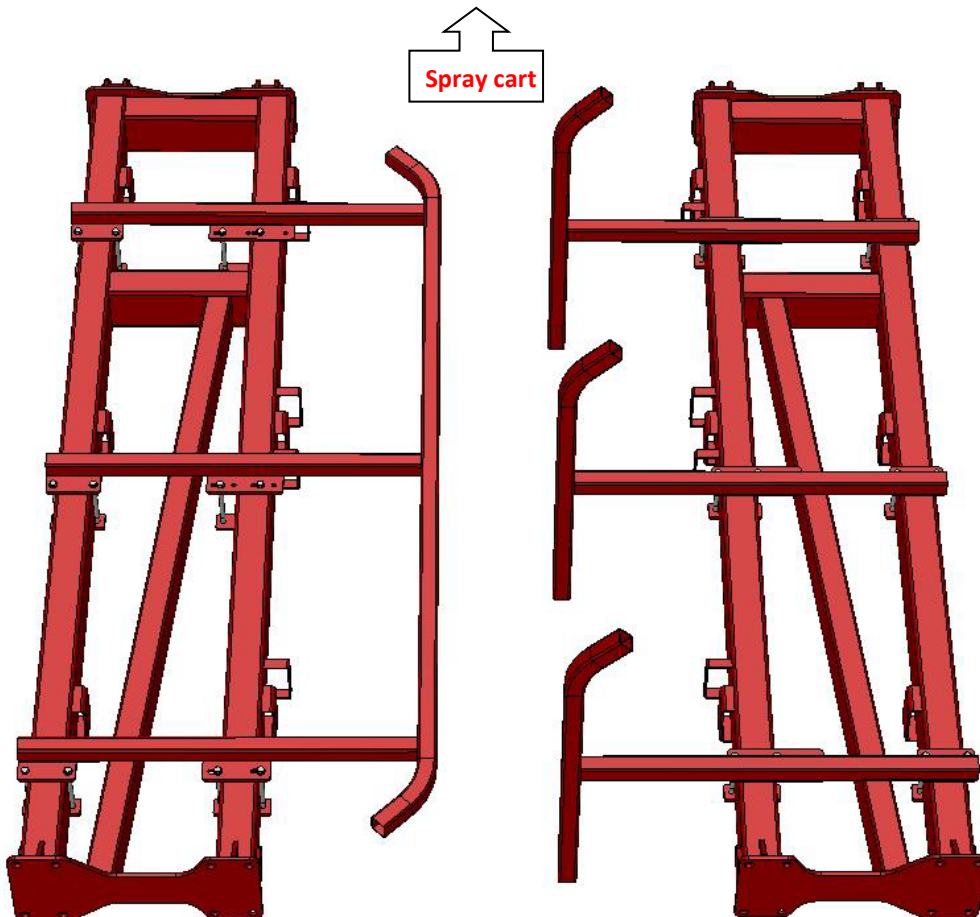
(15) Fit boom bumper bars. The Horizontal bar is fitted to the left hand boom, and the 3 single arms are fitted to the right hand boom.

Preferred position for 36m boom is now on the intermediate arm (as shown at bottom). Shorter booms will require mounting on the inner arm.



Shown is all of AB243000-700A plus bolt kit, BK-2502.

Note older boom structure shown.

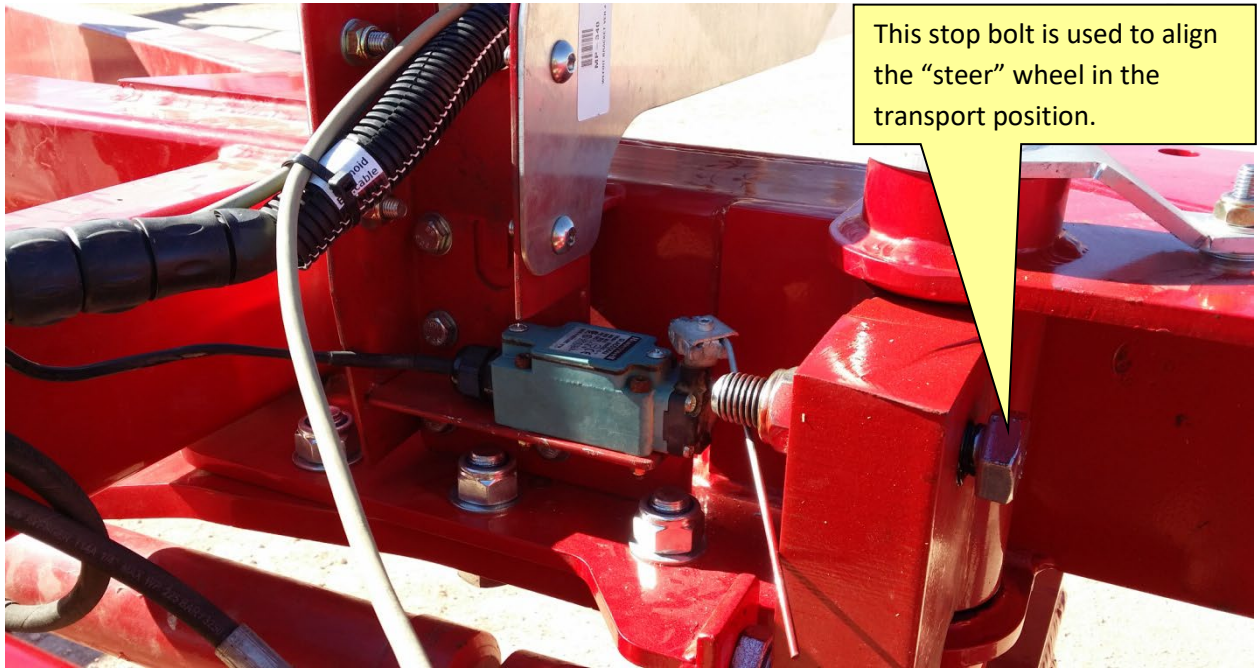


- (16) Fit and connect all controllers to the tractor as per the operator's manuals supplied with each controller.
- (17) Connect all electrical and hydraulic fittings between the tractor and WEEDit unit.
- (18) Adjust WEEDit chassis air bags if fitted.

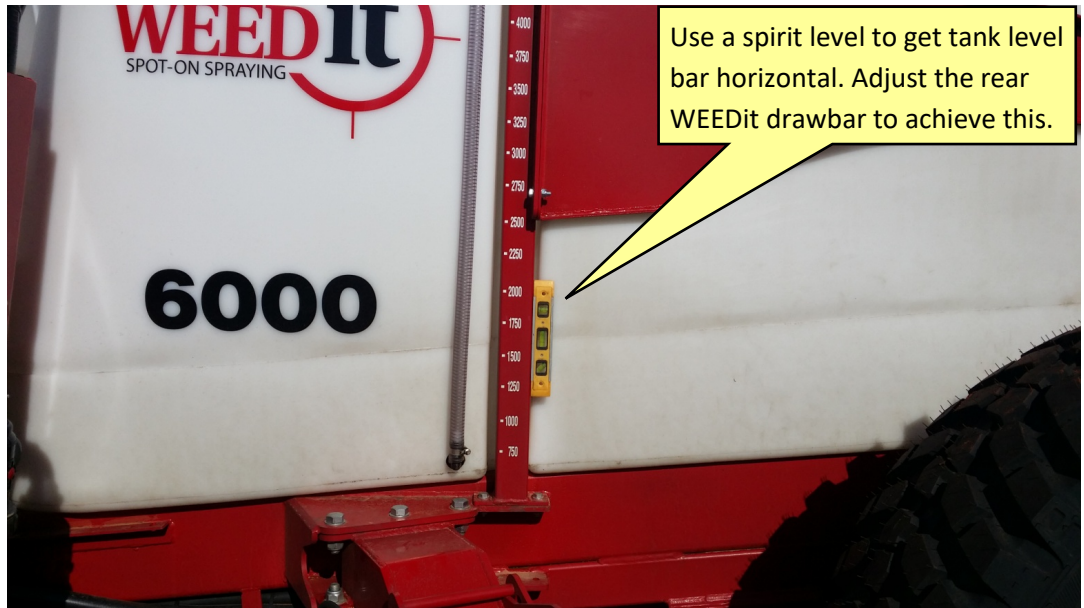


- (19) Adjust all boom tyre pressures to 15 psi
- (20) Before inflating air shockers, the boom **wheel MUST be raised clear of the ground** to do this, add 80 psi to all shockers, use the quick start folding guide to fold the boom out to the working position and drain air evenly from both shockers to achieve a camera working height of 1100 mm. There needs to be a minimum of 10psi in the shocker at all times! Both shockers in each set must be the same pressure.
- (21) Tension boom wheel bolts to 250Nm

(22) The boom steering wheel bolts will require adjustment. The wheels should have a small amount of toe out when travelling forward to keep the booms apart when cornering. Set the boom to the transport position and drive forward slowly, there should be a minimum of 200 mm clearance between the bash bars, rotate the top steer wheel stop bolt out to increase the clearance between the boom “bumper” bars, check that one side is not wider at the rear than the other side.

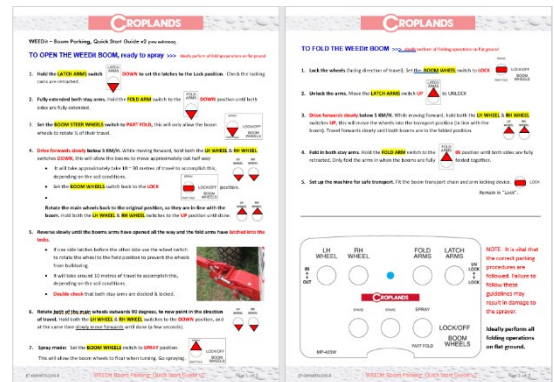


- (23) Adjust the drawbar to achieve 1100mm camera height on the central cameras – as a guide, the main chassis sits approximately 6 degrees nose down from horizontal, and the upright tank supports are 90 degrees from horizontal, when correctly adjusted.



Before operating please read the Boom Parking Quick Start Guide, BT-OMWEED-QSG-B (version 2), as shown here.

Carry out the set up and pre-delivery of the machine using the supplied manuals for the WEEDit system and blanket spray line (if equipped) using the supplied manuals.



Notes:

- Never operate the boom when the wheels are at right angles to the direction of travel.
- **Be very careful to follow the (manual) instructions for setting up the boom stay arms** (it's a little counter intuitive and easy to get wrong if not following instructions).