

Form #UBOBFBboom

(Field booms will change 2005 prod run) Boom

Unfolding boom from storage position to spray position.

Utility Boom

If your PBM Sprayer has been received assembled the boom will be in it's most compact, or storage position. To open the boom, unhook the rubber straps from the boom, and unfold outward in a scissor type action. A slight amount of downward pressure will be needed for the nozzles to clear the structure.

Once the arm is fully extended, hook one end of one of the rubber straps to the boom arm and the other end to one of the holes on the boom hanger. Make sure there is adequate tension to pull the boom arm back to position if it makes contact with an obstacle. Repeat this step on the other boom arm.

Orchard Boom

To open the Orchard style boom, remove the one pin from one side of the upper support, lower the arm to the ground gently so you don't damage the end nozzle. Attach one side of the support chain to the loop on the top of the arm structure using the quick link on one end of the chain. Return the pin to the upper support and attach the other end of the chain to the pin using the other quick link. *If boom was purchased assembled the boom arm should be level. Check for a twist in the chain if arm is too high. Adjust by adding or removing links by relocating the quick link.*

Repeat this process on the other side.

Field Boom

Remove one of the 5/16" pins securing one of the boom arms in the front hanger. Remove the 5/8" pin from the boom arm and keep it available. Pivot the shock absorber straight out from the boom center section. Lift the arm out of the front hanger clevis and

Adjusting Boom Structure Width.

PBM Spray Booms come assembled at their full width, based on 20" nozzle spacing. If the need arises to narrow the boom structure's width follow these simple steps.

Tools Required: Phillips head screwdriver and a 9/16" end wrench or adjustable wrench.

Additional Parts Required: Part #CP3942 (plug) or #19843-NYR (solid cap).

Contact your local dealer or PBM for these inexpensive parts.

Using a Phillips head screwdriver, loosen the metal nozzle clamp(s) that you will need to remove to achieve the structure width desired. (#QJ111SQ-1 will be stamped on the top of clamps.) Remove the clamp and store it for future use. Loop the excess hose and nozzle assembly upward so it won't interfere with the spray pattern. *Recommended spacing from nozzle center to nozzle center is 20" for overlap of the spray pattern.* Plug or cap off the nozzle assembly you have removed the clamp from.

If using the #CP3942, (plug) you'll need to remove the cap/nozzle assembly that you removed and disassemble it by pressing the nozzle and gasket out of the cap and reassembling with the plug in place of the nozzle. Store the nozzle for future use.

If using the #19843-NYR (cap), simply remove the cap/nozzle assembly and replace it with the #19843-EPR cap. Store the cap/nozzle assembly for future use.

Boom arms consist of an "inner arm" and an "outer arm". The outer arm slides, telescopically, into the inner arm by loosening a square head set bolt with nut welded to the inner arm. See the parts breakdown for illustrations of these components. Once the outer arm is slid into the inner arm to the desired width tighten the set bolt. Repeat these steps on the other side if necessary.