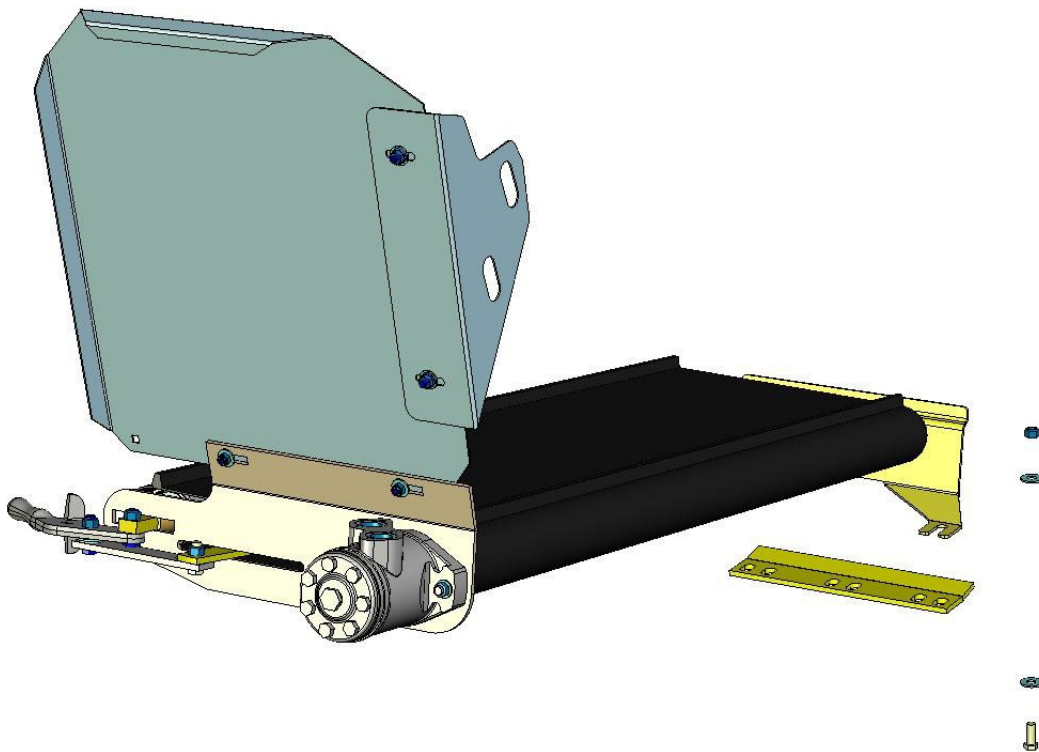


Honey Bee



Junior Swather Deck Installation Instructions

Junior Deck - Installation

Preparation

Check the contents of the kit against the shipping documents to ensure you have received all the correct parts, and that everything is in good condition. Familiarize yourself with the parts and these instructions before starting work on the installation. Read through the entire manual to get an idea of how it will go together before you start work.

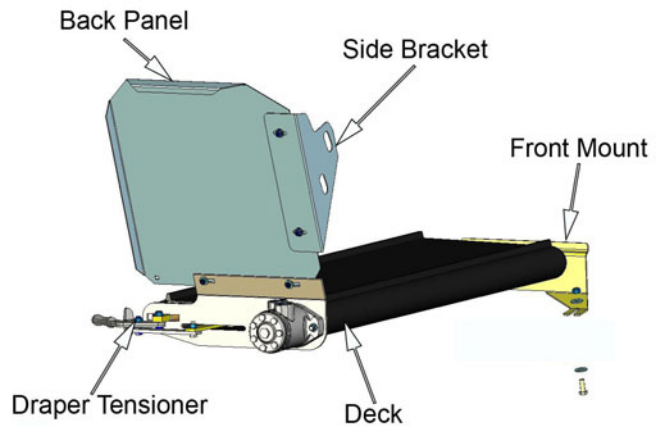


Illustration 1: Junior Deck - Main Parts

Directions

For the purposes of this manual, front refers to the cutter bar portion of the header, rear refers to the windrower lift arm mount side, left and right are as seen when standing at the rear facing the front.

Installation

The Junior Deck will be installed on the right hand end of the swather.

1. Shift the decks for a right hand swath delivery, raise the reel, and **set the reel cylinder locks**.
2. Shut the unit down, wait for all moving parts to stop before leaving the cab, and disconnect the main hydraulics from the windrower.

3. Remove the right hand tube shield from the swather, and set it aside.

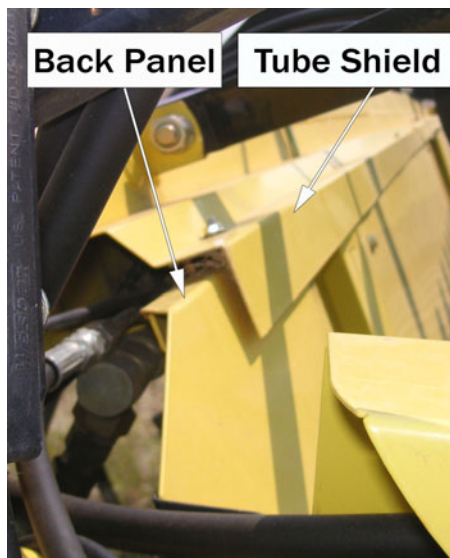


Illustration 2: Tube Shield - Right Side

4. Remove the Tube shield clip.



Illustration 3: Tube Shield Clip

5. Remove the black deflector panels, including the deflector support brackets, from the inside of the crop deflector. Leave the u-bolt in place.



Illustration 4: Deflector Support Bracket



Illustration 5: Deflector Panel

6. Place a catch basin under the work area to catch any spilled oil.
7. Preassemble an 8MP-12FJX adaptor, and female quick coupler. Be sure to use thread sealant tape.
8. Preassemble an 8MP-12MJ nipple and male quick coupler. Be sure to use thread sealant tape.
9. Detach the reel motor return hose from the tee in the main steel line.
10. Attach the female quick coupler to the tee.
11. Attach the male quick coupler to the hose.

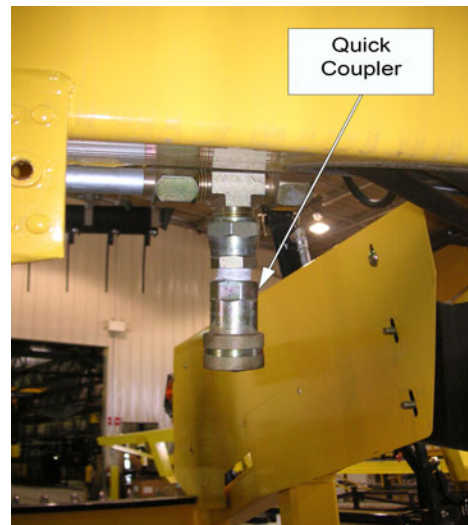


Illustration 6: Quick Coupler

Caution!

Hydraulic fluid may be under extreme pressure.

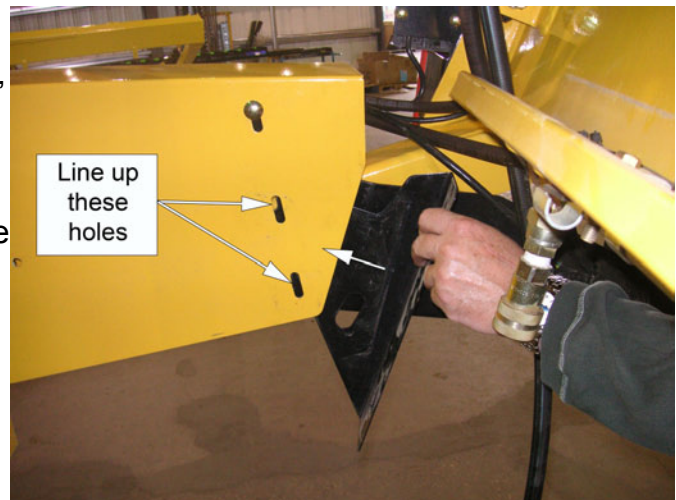
Wear gloves, heavy clothing, and eye protection to prevent injuries.

12. Loosen the top nut for the light bracket, and temporarily remove the u-bolt.



Illustration 7: Light Bracket

13. Insert the side bracket for the back panel between the inside crop deflector, and the light bracket. Line up the holes for the u-bolt, and re-insert the u-bolt.
14. Loosely install the nuts and washers onto the u-bolt. You will need to be able to move the side bracket to align it with the back panel of the junior deck.



15. **If your swather has the end strut gauge wheel option**, attach the back panel to the junior deck as shown here.

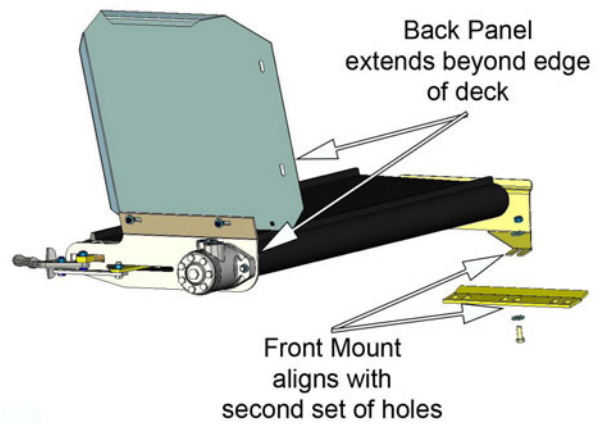


Illustration 8: Junior Deck - Back Panel with End-strut Gauge Wheels

16. **If your swather does not have the end-strut gauge wheel option**, attach the back panel as shown.

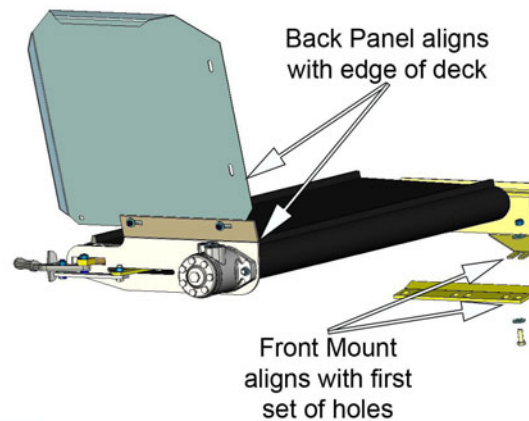


Illustration 9: Junior Deck - Back Panel without End-strut Gauge Wheels

17. Lift the junior deck into place, and insert the front mount under the lip of the cutter bar frame. This will be easier if you raise the rear of the junior deck higher than the front.
18. Slide the deck over until the front mount tab lines up with the correct set of holes, as indicated in Illustration 8: Junior Deck - Back Panel with End-strut Gauge Wheels, and Illustration 9: Junior Deck - Back Panel without End-strut Gauge Wheels page 6.

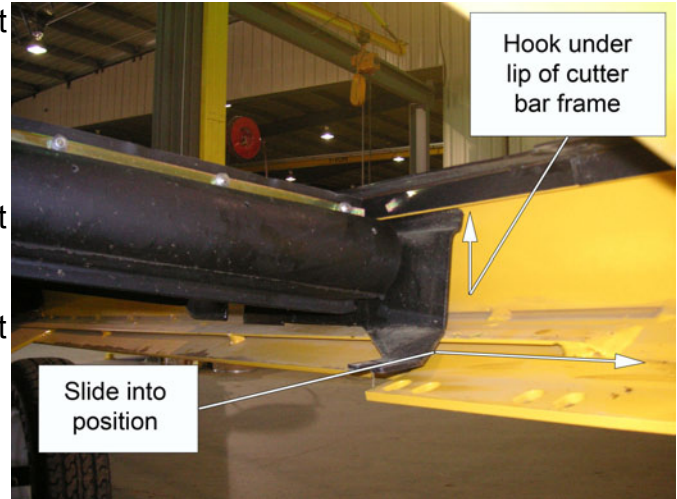


Illustration 10: Inserting the Front Mount

NOTE: if the swather is equipped with the optional UHMW skid plate, and skid shoe, the hardware holding the skid shoe to the frame may need to be removed to permit positioning of the junior deck front mount.

19. Lower the back of the junior deck until the top of the back panel hooks over the one-inch square tube.
20. Secure the front mount with the bolt, nut and washer provided.
21. Align the holes between the back panel and the side bracket. Secure them with nuts, bolts and washers.
22. Replace the tube shield mounting clip.

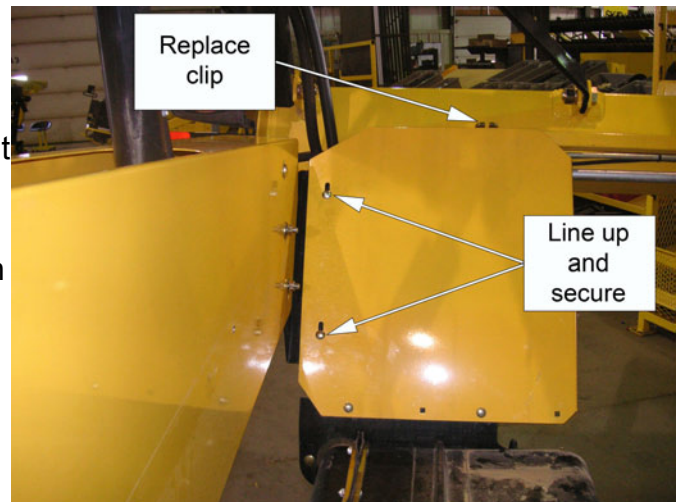


Illustration 11: Back Panel in Place

23. Remove the two nuts and washers from the u-bolt holding the crop deflector to the frame of the swather. Do not remove the u-bolt.
24. Replace the black deflector panels, check the alignment of the crop deflector, and secure all fasteners.
25. Re-tighten the top nut for the light bracket. See Illustration 7: Light Bracket, page 5.



Illustration 12: Crop Deflectors - Inside View

26. Replace the UHMW skid shoe if removed.
27. Replace the tube shield.
28. Place a catch basin under the work area to catch any spilled oil.
29. Attach the remaining hydraulic fittings and hose to the 45 degree elbows on the junior deck motor. Use thread sealant on any pipe-thread connections.
30. Connect the quick couplers to the junior deck from the reel return, and from the junior deck to the table return.
31. Close the draper tensioning lever (shown in released position) to tension the junior deck draper.
32. Ensure all fasteners are secure.

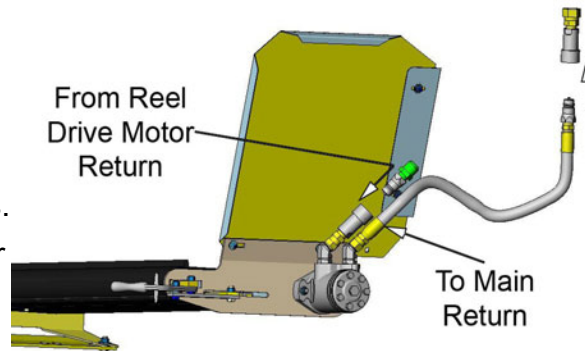


Illustration 13: Hydraulic Connections

33. Locate the deck shift chain along the rear panel of the swather. The left hand deck stop on each main deck will need to be moved in order to avoid hitting the junior deck in other delivery positions.
34. Move the left hand deck stop on each main deck to the right by the same amount as the width of the junior deck. (Usually 18.5" - 47 cm will be a good starting point.)

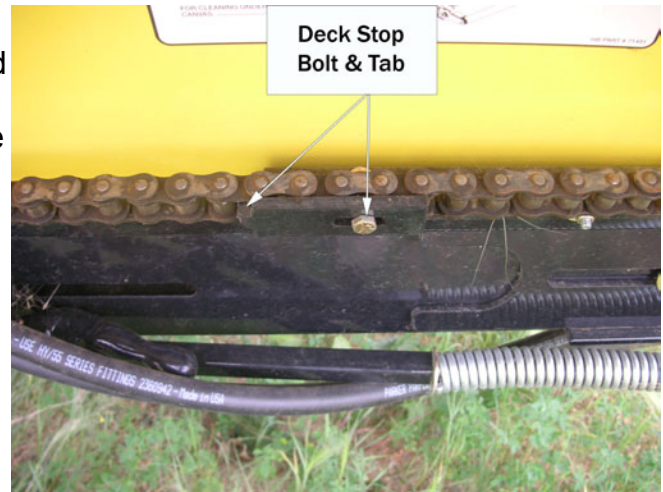


Illustration 14: Deck Stop

35. The stops should be set so that the deck does not hit against the other draper decks or the swather frame. Allow at least 1" of space between the decks.
36. Reconnect the main hydraulics from the windrower. Start the unit and carefully shift the deck. Observe the size of the gap in relation to the distance between the position of the drive gear on the chain, and the stop. At the same time, observe to ensure the junior deck is operating normally, and that you have no hydraulic leaks.



Illustration 15: Junior Deck - Clearance

37. Stop the unit, and relocate the stops if necessary, then repeat the test.
38. Check all hose clearances on hydraulic motors after shifting the deck, to ensure they are not being pinched or stretched.
39. Release the reel cylinder locks, and lower the reel.
40. Test the swather at normal operating speed, and make any necessary adjustments.

Removing the Junior Deck

If you elect to remove the junior deck in future, the side bracket, and the quick couplers remain with the swather. For the remainder, reverse these instructions.