



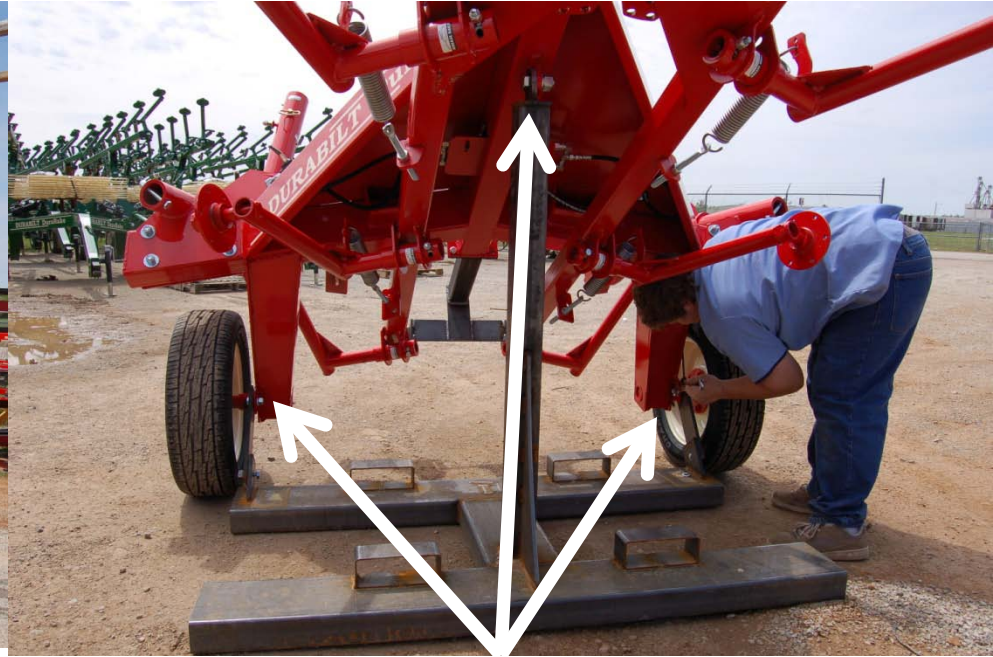
HCI/TCI

ASSEMBLY INSTRUCTIONS



REMOVE THE RAKE FROM THE SHIPPING STAND

Note: this may have already been done.



1. Support the tongue with a chain hoist or fork lift. **Warning: Make sure the rake can't come loose and fall while you are removing the shipping stand from under it.**
2. Remove the three mounting bolts and slide stand out from under the rake.
3. Carefully lower the front of the rake to the ground. You will need to lower the jack into position before the rake is all the way on the ground.

Removing the main arm from the shipping brackets.



1. Remove both rear wheel arms from the main arm and save the bolts and nuts.

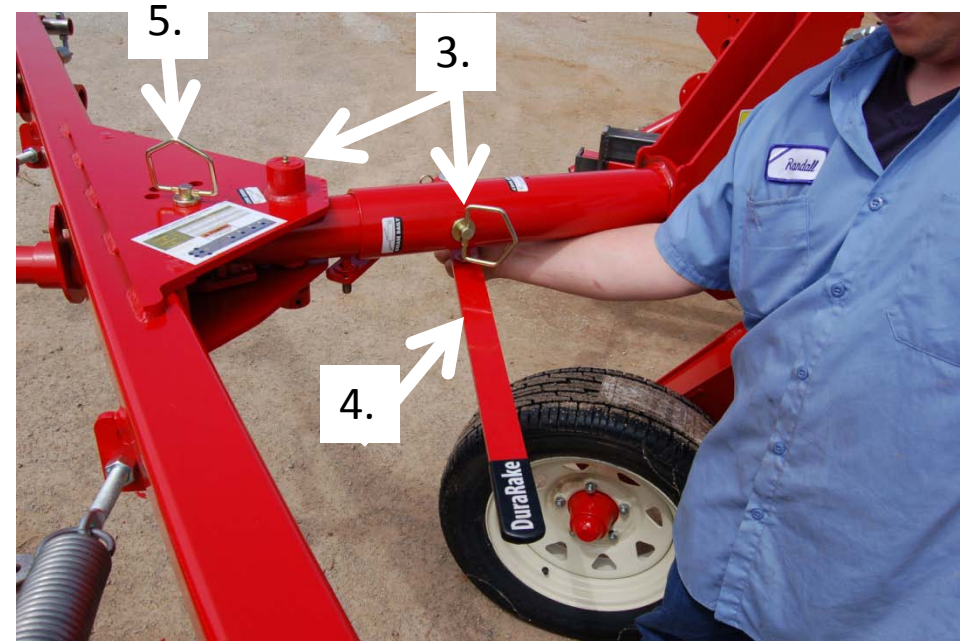


2. Position fork lift under main arm to support it when removing it from shipping brackets.



3. Pull front pin and save the pin.
4. Pull main arm loose from the rear shipping bracket.
5. Lower main arm slightly so it will clear the rake and swing it out from under the rake with the forklift.

Installing the main arm into the tower HCI



1. Hook up the hydraulics on the rake to a power pack or tractor and lower the towers to their full down position as shown.
2. Position fork lift so the adjuster pipe lines up with the pipe on the tower.
3. On HCI slide wing all the way in and install pin. On TCI mount the wing on the square support arm and install large pin.
4. Install adjuster handle as shown on HCI only.
5. Take pin removed from front main arm shipping bracket and install it in the wing angle adjustment hole A.

Assemble Front Wheel Arm 12 wheel rake only



1. Cut the wire tie and remove pin from front wheel arm.
2. Rotate front wheel arm into position and reinstall the pin in the lower hole as shown. **Note: when pin is in the correct hole the rake arm will be in the same position as all the others once the spring is installed. The other hole in the rake wheel arm is there so the user can pin the front wheels up so they don't rake hay.**



3. Install one 5/8" nut onto eye bolt and set it 3" from end of bolt.

4. Install spring into wheel arm middle hole.

5. Hook eye bolt onto spring and insert it into the bracket on the main arm.

Note: if you pull the wheel arm retaining pin you can then rotate the wheel arm making it easier to install the eye bolt into the bracket. After the second nut is installed on the eye bolt you can then rotate the wheel arm back into the proper position and reinstall the pin.

6. Install second 5/8" nut and tighten.

Reposition Third Rake Wheel Arm



- The third rake wheel arm from the rear needs to be repositioned. You will see that it sticks up higher than the others. Remove retaining bolt from the wheel arm and adjust the eyebolt so that it is 3" from the end of the eyebolt to the nut closest to the spring. Tighten eyebolt lock nut and reinstall rake wheel arm retaining bolt into the lower hole shown.

Installing The Rear Wheel Arm



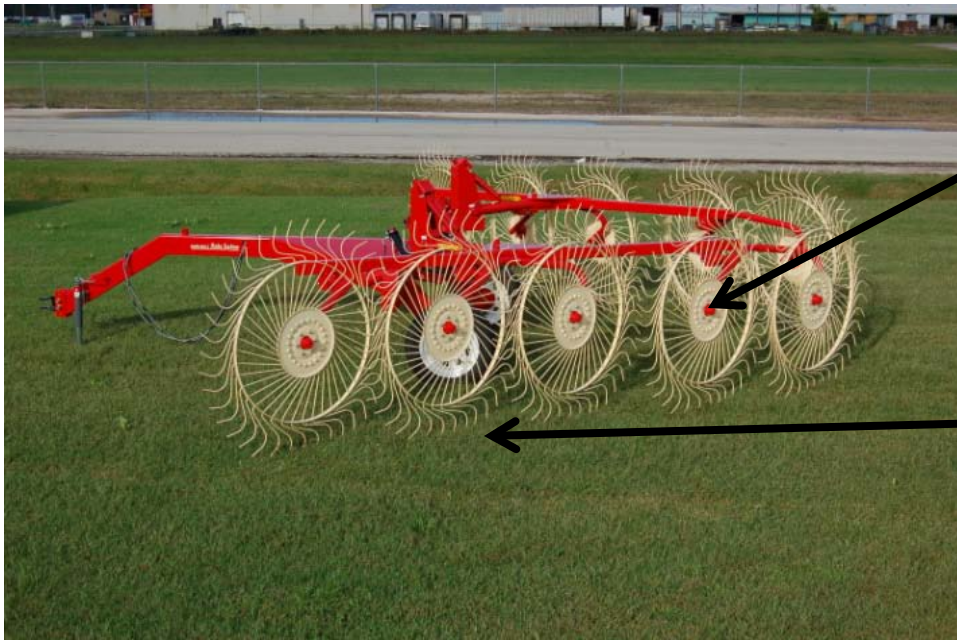
1. Install the rear wheel arm into the main arm, and slide it in so the second hole lines up with the slotted hole in the main arm. Install the bolt but not the nut.
2. Install one 5/8" nut onto the eyebolt and set it 4 1/4" from the end of the bolt.
3. Install the eyebolt into the wheel arm, install retaining nut and tighten.



4. Install spring onto eyebolt.
5. Prepare second eyebolt with a nut screwed 3" from the end.
6. Install the second eyebolt onto the other end of the spring.
7. Remove the wheel arm retaining bolt. Hold the end of the eyebolt and rotate the wheel arm up until the eyebolt will go all the way into the hole in the bracket on the main arm.
8. Install second 5/8" nut onto the eyebolt and tighten it.
9. You can now rotate the wheel arm back down into the proper position and reinstall the bolt and nylon lock nut. **Note: be careful not to over rotate the wheel arm down as this will bend the spring eye where it is connected to the wheel arm.**



- Repeat the sequence for the other side.
- Install the rake wheels as normal.



Nuts on this side,
carriage heads on inside
where hay contacts
wheel.

Tines point
forward at
bottom of
wheel.