

## Hoop installation Hybrid-X

### 1- Install the upper section (8 sections).

- With a chain hoist, drop these sections on the top of the inner hoop section (Fig 1).
- With a binder (Fig 2), attach the outer hoop to the inner hoop so it holds while you work on the lower sections (2).



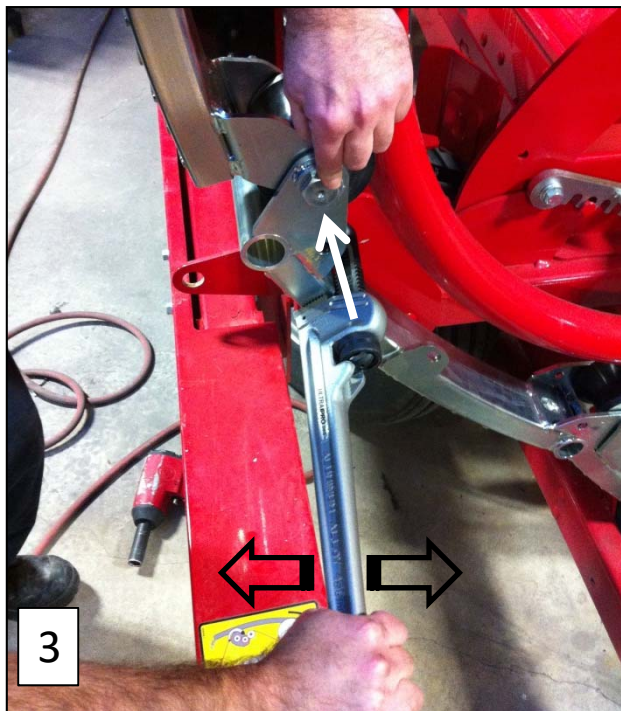
### 2- Install the lower section (4 sections).

- Insert the upper section (close to the binder) to the lower section with the provided bolt. If you need to move the lower section for best result, you can use a pry bar or a pipe wrench (Fig 3).
- Do the same procedure for the other side.

If it's hard to insert, you can use another binder between a lower hoop section to an upper hoop section (Fig 4) to help you and then place the bolt.

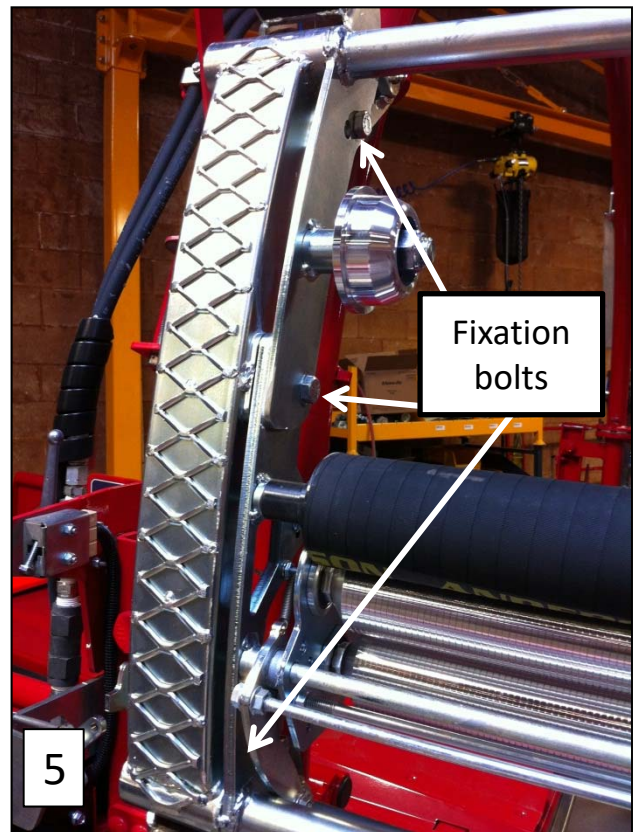


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### 3- Install the stretcher frames (stretchers included).

- It is really important to install the stretcher kits before the next step otherwise the measurement won't be the same. Each stretcher kit is held on with 3 bolts (Fig 5).



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### 4- Install the adjustment shims.

*It is important to make this adjustment without impact tool (the shims will move and could hit the hoop wheels).*

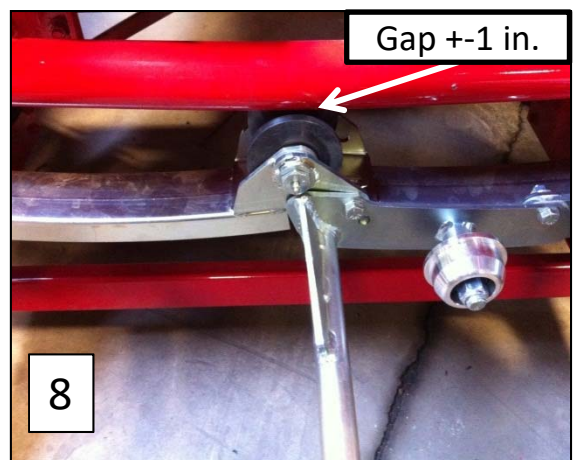
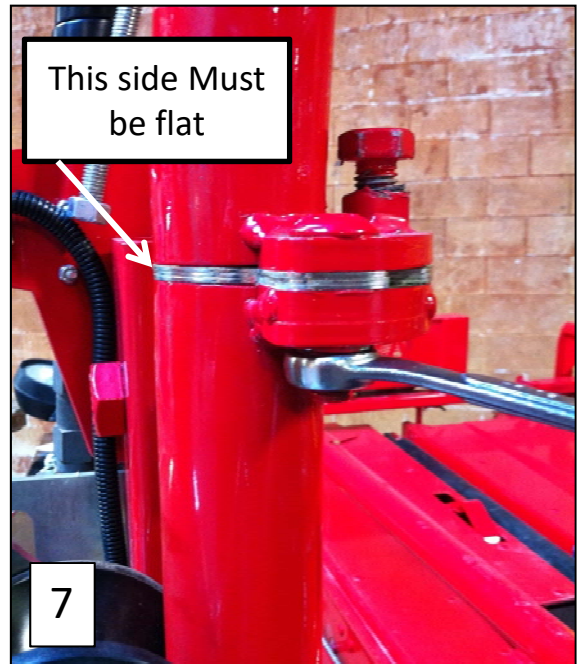
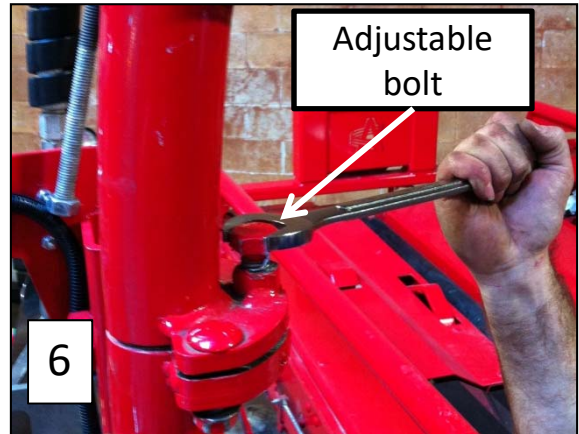
- Unscrew the 2 bolts holding the hoop sections together (Fig 6) and screw in the adjustable one to be able to insert the shims. Try to put the same amount on each side. You could start with 3 shims per side for example. Be careful to put the shims flush (Fig 7) on the external part so the hoop wheels won't wear prematurely.

When the desired shims have been added, tighten the 2 bolts that hold the hoop together and loosen the adjustable bolt to relieve the tension from it.

- Do this on both sides of the hoop.

### 5- Finish the adjustment.

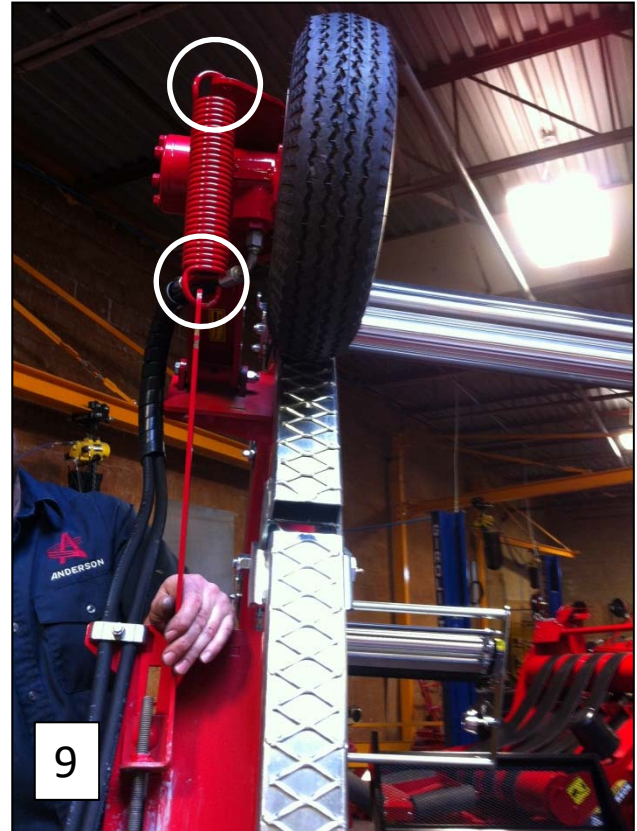
- You must place the outside stretcher as illustrated (Fig 8). The hoop wheel must be to the lower place of the hoop and it must be the hoop wheel **of the stretcher frame**. The distance between the hoop wheel and the hoop section has to be  $\pm 1$  inch. If you don't have that measurement, add or remove a/some shim(s) until you obtain the right distance.



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**6- Set the spring from the adjustable support to the drive wheel support (Fig 9).**

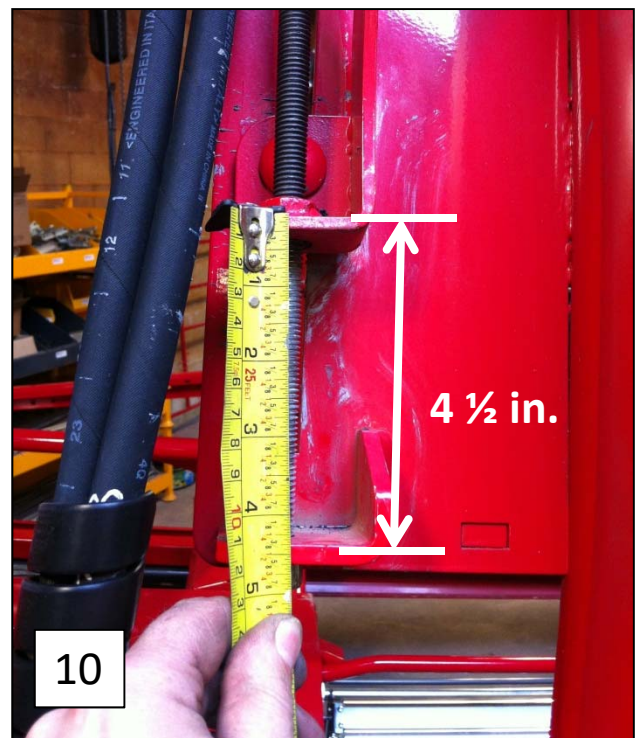
- If it's hard to insert, unscrew the adjustable threaded rod (bolt) and try again.



**7- Adjust the drive wheel spring.**

- Screw in the adjustable threaded rod (bolt) until you get 4 ½ inches (Fig 10).

*It is really important to adjust with this measurement otherwise the drive wheel and the hoop wheels will wear prematurely.*



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- Once the adjustable threaded rod (bolt) is adjusted, screw the support bolt behind (Fig 11).

The job is done.



### Tools needed:

- wrench 3/4
- wrench 15/16
- 3/4 socket
- Socket extension
- 2 Binders (1 optional)
- Pipe wrench (optional)
- Pry bar (optional)

**Time required:** 1 ½ hours

Exploded view of a section

