

USER MANUAL



Set up and demonstration of the
Interlocking Ultrasound Horse.



Bovine Artificial Insemination Kit

Revision A:
Interlocking Bovine AI
kit User Manual

Product SKU:
B100-K200

Last Updated:
30 August 2023



Parts List

Equipment Required:

- Holsim Interlocking Bovine (fully assembled)
- Power supply
- Screw Drivers
- Phillips
- Drill
- Allen key

All operational equipment required for teaching various procedures is to be provided by the user.

Kit includes:

- AI Fiberglass Shroud Mount 1
- Blower Brackets Kit includes tube 2
- Blower & Elbow 1
- Pelvis Cushion 1
- AI Shroud (G-Tract A) 1
- Tail 1
- Vagina Tube (G-Tract B) 1
- Uterine Horns (G-Tract C) 1
- Rectum Bag & Clamp 1
- Blue Cervix 1
- Red Cervix 1
- Sim Poo 1
- Carabiners 3
- Adjustable Bungees 3
- Knurl Screws 10





The Set Up



1

ASSEMBLE HOLSIM INTERLOCKING BOVINE VIA PRODUCT MANUAL

- Undo rear bolts of pelvis

2

INSTALL AI FIBERGLASS SHROUD MOUNT



3

REATTACH PELVIS

- Using black MS bolts, EPDM washer, washer & nylok nuts x4
- Tighten with spanner and allen key

4

REMOVE TOP CAGE FROM HOLSIM INTERLOCKING BOVINE

- Undo 4 knurl screws that secure the top cage in place
- Lift top cage off and place to the side



5

ALIGN BLOWER WITHIN BRACKETS

- Using blower brackets install blower
- Using philips screws provided



6

INSTALL BLOWER IN INTERLOCKING BOVINE

- Screw in place



7

LOCATE PELVIS CUSHION

- Place the Pelvis Cushion on the pelvis
- Remove velcro backing to stick in place



The Set Up



8 ATTACH TAIL

- Feed the Tail through the hole in the AI Shroud from the inside out
- Pull until it sits snugly in its place



9 OPEN VAGINA TUBE

- Locate the larger hole of the Vagina Tube and turn this end inside out as far as possible

10 PREPARE VAGINA TUBE

- Apply plenty of lubricant to the inside of the Vagina to facilitate easy sliding of the silicone parts



The Set Up



11 PREPARE CERVIX

- Select desired Cervix, Blue or Red, and apply lubricant outside of the Cervix



12 INSERT CERVIX INTO VAGINA TUBE

- Insert selected Cervix into the inside out end of the Vagina Tube so that the red or blue end goes in last
- Unroll the Vagina Tube back over the Cervix so that it is within the Vagina Tube



13 LOCATE THE CERVIX WITHIN VAGINA TUBE

- Slide the Cervix down the tube into position
- You can check the correct position of the Cervix by hold the assembled parts up to the light. Mesh reinforcement should be visible in the Vagina Tube up to the beginning of the Cervix



The Set Up



14 ATTACH VAGINA TUBE TO AI SHROUD

- Use both hands to stretch the larger end of the Vagina Tube over the vagina entrance (the lower smaller ring on the back of the AI Shroud)



15 ATTACH UTERINE HORNS

- Attach the plug of the Uterine Horns to the narrower end of the Vagina Tube
- Make sure the Uterine Horns and AI Shroud are aligned with each other when in an upright position



16 PREPARE RECTUM BAG

- Fill the Rectum Bag with desired amount of Holsim Sim Poo to prepare it for use



The Set Up



17 ATTACH RECTUM BAG TO AI SHROUD

- Be sure to align the top seam of the Rectum Bag with the mid-line of the cow
- Taking the open end of the Rectum Bag, stretch it over the larger upper ring on underside of the AI Shroud.
- Pull the open end approx. 3cm over the ring
- Make sure that the rectum bag is sitting evenly over the ring, without any twists



18 CLAMP RECTUM BAG IN PLACE

- Feed the closed end of Rectum Bag through the clamp and locate centrally on the rectum ring
- Tighten the clamp to keep bag in place

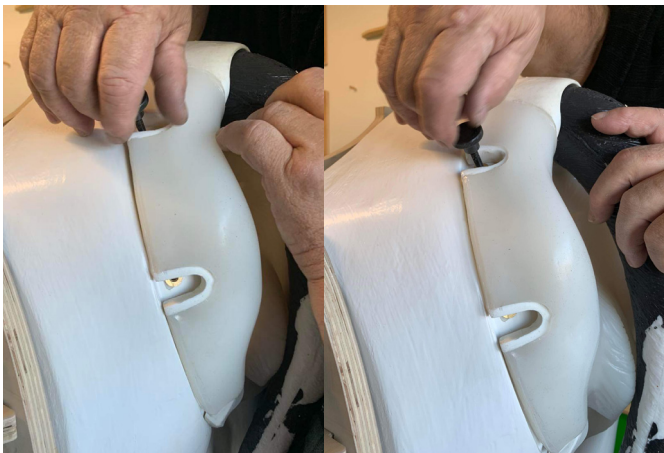


19 LAY AI COMPONENTS WITHIN INTERLOCKING BOVINE

- Lay reproductive tract assembly and Rectum Bag onto the Pelvis Cushion within the Interlocking Bovine
- Align AI Shroud with the AI Fiberglass Shroud Mount

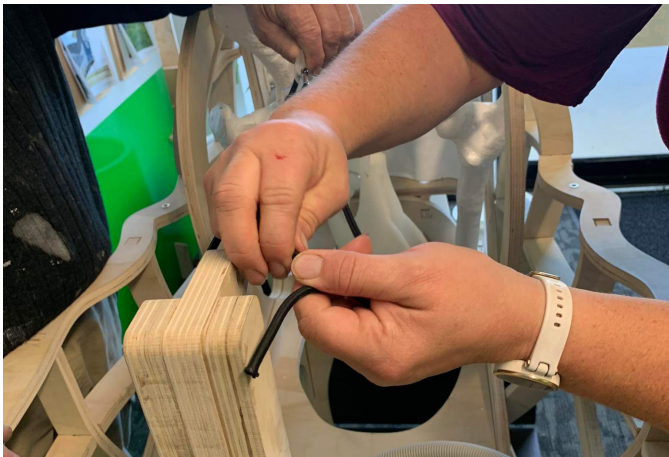


The Set Up



20 ATTACH AI SHROUD

- Secure the AI Shroud to with 6 Knurl Screws
- Tighten the screws just enough to hold the AI Shroud and adjust them again once they are all inserted



21 ATTACH RECTUM BUNGEE CORD TO THE FRONT POLE

- Thread the Adjustable Bungee cord attached to the Rectum Bag through the front pole of the Interlocking Bovine.
- Tighten the bungee so that the Rectum Bag is above the reproductive tract assembly, lock in place



22 RE-ATTACH TOP CAGE

- Re-locate and attach the Top Cage of the Interlocking Bovine.
- Secure in place with the 4 Knurl Screws



The Set Up



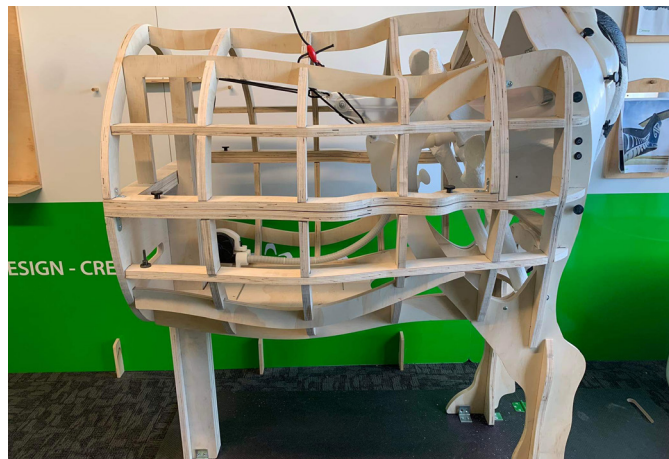
23 ATTACH UTERINE HORN BUNGEEES TO TOP CAGE

- Thread the bungees attached to the Uterine Horns over the plywood spine of the Interlocking Bovine's Top Cage.
- Tighten the bungees so that the reproductive tract is hanging below the rectum bag, lock in place



24 CONNECT THE BLOWER HOSE

- Connect the grey Blower Hose with elbow connector to the Rectum Bag



25 YOUR AI KIT SET-UP IS COMPLETE

- Congratulations! Your AI Kit set-up is complete.
- If you need any additional assistance with setting up your Holsim Products, please don't hesitate to contact us.



Training

1 FAMILIARIZE

- Start off training by letting participants get a feel for the Cervix alone.
- This will help them understand the anatomy and learn the movements required to traverse the rings with the insemination gun.
- Begin with the easier Blue Cervix and then move on to the more difficult Red Cervix
- The aim is to thread the insemination gun through the entire Cervix and to feel when this is achieved
- Trainees can close their eyes to test themselves

2 RECTAL PALPATION

- When trainees conduct rectal palpation make sure there is plenty of lubrication on the glove and on silicone parts. This will protect the silicone parts from excessive wear and tear

3 INSEMINATION GUN

- Insert the insemination gun horizontally or at a very slight angle
- Avoid pointing it too vertically as otherwise the point of the insemination gun may damage the silicone AI Shroud when inserted

4 INSEMINATION PRACTICE

- Once fully set up and insemination gun has been inserted the trainee can attempt to grasp the Cervix and feed the insemination gun through it
- The trainer can follow the trainee's attempts by viewing through the side of the Interlocking Bovine

5 USE OF THE BLOWER

- To add real life difficulty to the training the Holsim AI Kit mimics pneumorectum at the press of a button
- Plug the Blower into a power source and switch it on as needed.
- The realistic feel and inflation of the Rectum Bag will come as a surprise and challenge to every first time trainee



Pack Down

1 DISCONNECT BLOWER HOSE & DETACH BUNGEEES

- Disconnect the Blower Hose from the Rectum Bag
- Detach Rectum Bag and Uterine Horn Bungees
- Make sure the Blower connection point on the Rectum Bag stays in a high position so that no Simpoo can leak out
- Place on the Pelvis Cushion

2 DETACH AI COMPONENTS

- Unscrew the 6 Knurl Screws holding AI Shroud in place
- Carefully lift of the Shroud off, hold the 3 Bungees to lift out the Rectum Bag and silicone components

3 DETACH SILICONE COMPONENTS

- Detach Uterine Horn plug from Vagina Tube
- Detach Vagina Tube from AI Shroud vagina entrance
- Slide Cervix out of the Vagina tube, a little fresh lubricant can help to get the Cervix unstuck if it has dried in the course of a long training session

4 DETACH RECTUM BAG

- Loosen clamp and remove Rectum Bag from AI Shroud rectum ring

5 RINSE & DRY RECTUM BAG & ALL SILICONE COMPONENTS

- Rinse all parts thoroughly with water
- Squeeze silicone parts to remove all lubricant residue
- Once clean, arrange all parts to dry in such a way that the water can drip out

6 STORAGE

- Store silicone components in a clean airtight container



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