



INSTALLATION

HAILEY FRAME

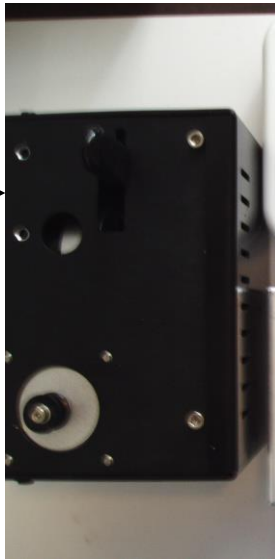
ANSLEY MACHINE

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**Included Parts:**

**Motor Box**  
(AA162)



**Handle bar  
cable (color may  
vary)**  
(#C8)



**White  
Remote Cable**  
(#C1)



**Carriage Belt/Bracket**  
(#Y1 & Y3)

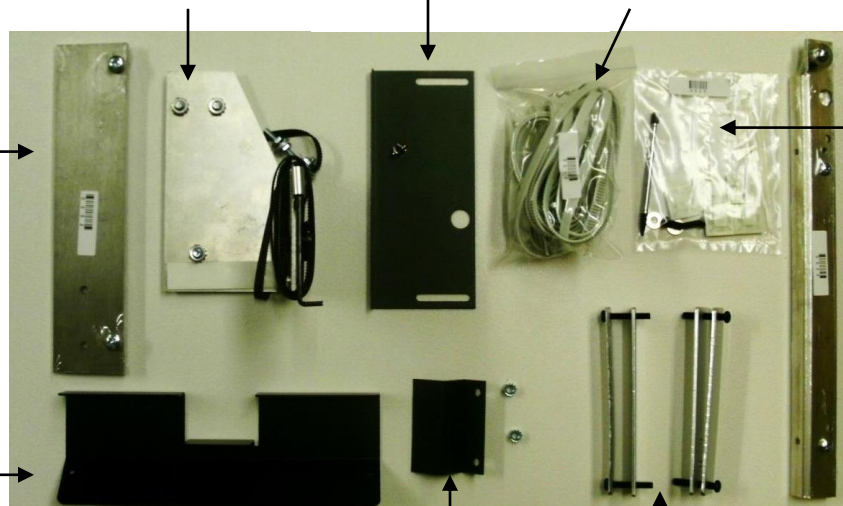
**NA**

**White Frame Belt**  
(#X1)

**Motor Box  
Bracket**  
(#M2)

**Bag of Hardware**  
(#Z1)

**Rear Pulley  
Bracket**  
(#I2)



**Remote Bracket**  
**May differ**  
(#D1)

**Motor Pulley Cover**  
(#Z3)

**Belt Brackets**  
(#X2)

## Installing the Butler:

### Installing the Butler Motor Box

1. Using the Motor Box Bracket, attach this to the pre-drilled hole in the front of your carriage (*Fig 1*).
2. It is important when attaching the bracket that the 2 empty holes for the motor box are on the inside left of the carriage (if at the front of the carriage) (*Fig 2*)

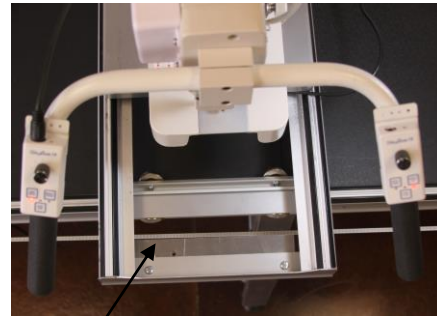


Fig 1

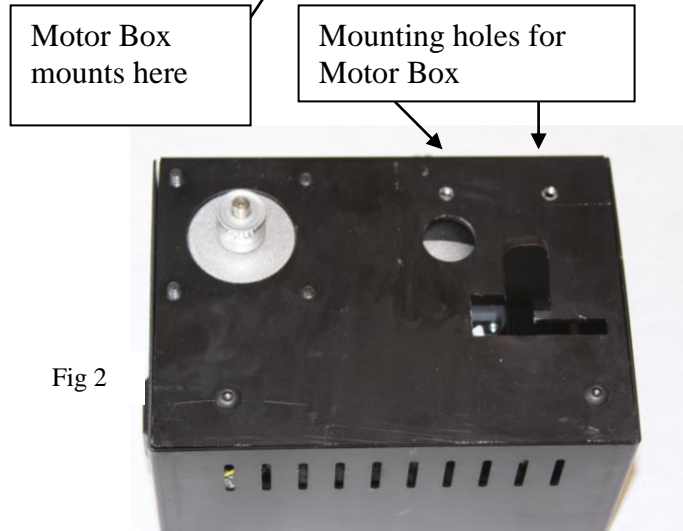


Fig 2

3. Line the Butler motor box mounting holes with the 2 pre-drilled holes in the motor box bracket.

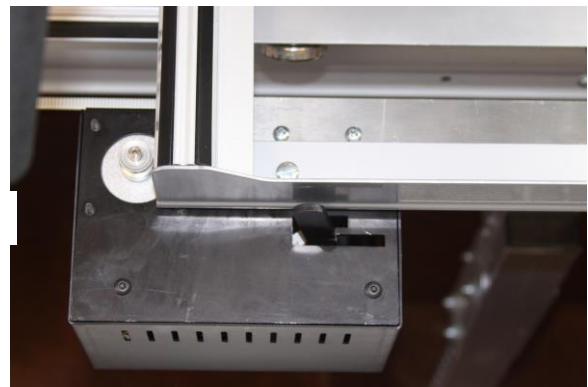


Fig 3

4. Using the M5 x 12mm" screws and washers, place one washer on each screw and drop the screw down through the drilled holes, attaching the motor box on the underside (*Fig 3*).
5. Tighten screws securely.

You will be assembling two sets of brackets, which will straddle each frame end (right & left).

To assemble each bracket:

1. Hold one bracket with the single hole at top. Hold second bracket with 3 holes at top. Align single (tapped) hole to the larger hole at top of second bracket. Insert 10-24 screw through the Single Hole and larger hole. Use screwdriver to tighten about 1/4 length. Screw nut on each eye bolt and attach eye bolt to most center hole (*Fig 4*)
2. Slide a bracket assembly onto each of the frame ends from the top, so that the bracket straddles the frame end piece and the eyebolts are on the inside of the frame. The eyebolt should now be resting on the top edge of the frame end. **Position the lower edge of each clamp assembly approximately 1 1/2" away from the leg of the frame.** To secure the clamps to the frame, insert the remaining screws through the remaining holes in the clamps and secure. (*Fig 5*)



Fig 5

3. Locate (2) black belt clamps. The belt will be mounted to the front of the frame using the eyebolts that were just attached.
4. Slide belt clamp onto end of belt. To attach the left end of the belt, feed this end of the belt through the left eyebolt allowing 1" of tail. Fold this tail against the belt with the teeth together. Slide the belt clamp over the top of the belt, pinching the 2 belts together. Tighten with a screw driver. (*Fig 6*)
5. Stretch the other end of the belt to the right end of the frame, making sure the teeth are facing up. Feed the end through the right eyebolt, looping the excess belt (teeth together). Pull the belt as tight as possible before attaching with the included belt clamp. Once the belt is nice and taught, tighten down with the screw. Ensure it is tight, if it isn't the belt can slip.



Fig 6

6. A nice tight belt is good, the belt should not sag at all. The teeth of the belt should be facing up all the way across the frame. If needed, twist the eyebolts to ensure the belt has the correct orientation. Once the belt is attached, trim any excess to within 1" of the belt clamp.

7. The belt should now be positioned just beside the gear on the side of the motor box. With the top lever on the motor box in the “open” position, slide the belt between the gear and the metal pulley (belt teeth facing up into the gear). Once the belt is seated into the gear, move the lever on the top of the motor box to the “closed” position. (Fig 7)

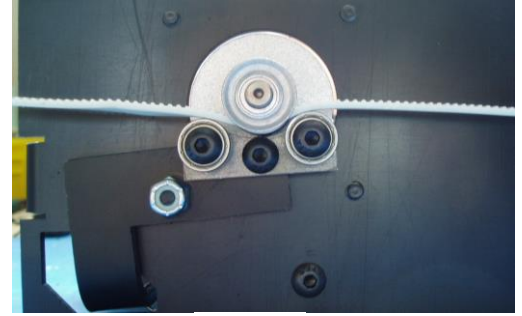


Fig 7

1. Locate the rear pulley bracket. Line the 2 pre-drilled holes in the bracket with the 2 predrilled holes in the carriage (at the back side of the carriage). The distance between the belt tension wheel and the carriage should be between 1/8-1/4” (the tension wheel will be on the right side if at the back of the carriage). Tighten securely (Fig 8).

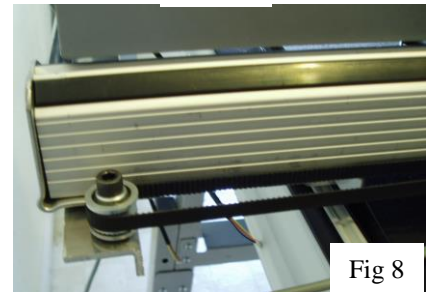


Fig 8

2. Locate the carriage bracket and (2) 10-24 x 1/2” screws and washers.
3. Attach the bracket to the pre-cut groove in the top carriage. Note: The distance between the bracket and the wheel bar can be adjusted to ensure the belt is straight when attached (fig 9)

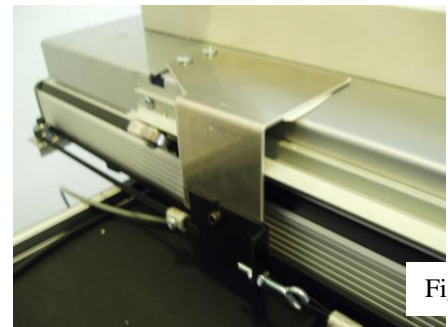


Fig 9

4. Slide the bracket as close to the carriage as possible, having it touch the wheel bar running along the side of the carriage.
5. Locate the hole at the front of the bracket (see picture), a hole will need to be drilled in the carriage to accomidate this. Mark the hole, remove the bracket and drill the marked hole. Then re-attach using the included screws (fig 10).

Use hole to mark hole to be drilled in carriage

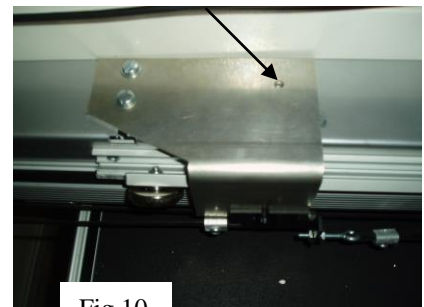


Fig 10

Fig 11



6. Locate the 6ft long belt, the carriage belt bracket, (1) belt clamp and (1) eye bolt with nuts  
(Note: These parts should all be pre-assembled)

7. Screw the carriage belt bracket to the carriage bracket (using the pin in the bracket to help line it straight) (fig 12)
8. Loop the belt back to the carriage tension wheel then up to the gear on top of the motor box then back to the carriage belt bracket (Note: Ensure the teeth of the belt are facing the gear)(2<sup>nd</sup> note: follow the black belt from the eye bolt around the motor box pulley, the black belt should run counter-clockwise around the pulley.)

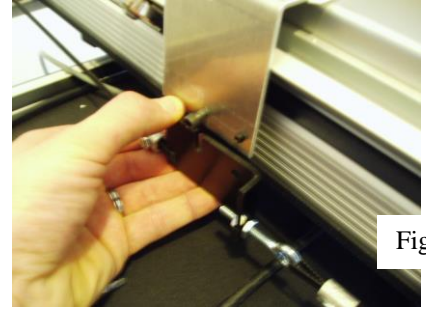


Fig 12

9. To set the correct tension, dis-engage the lever on the black motor box and push the belt closest to the carriage away from the carriage. Once the belt moves approx. ¼" the carriage should start to roll slightly. If you press the belt away from the carriage and it doesn't move at all, it needs to be tighter.

10. Once you have the correct tension, tighten the nut on the right side of the adapter with a wrench. This will ensure your belt doesn't twist.
11. A guard for the gear on the top of the motor box has been provided. Locate the (2) 10-32 nuts and attach the guard with the opening facing the carriage (Fig 13)

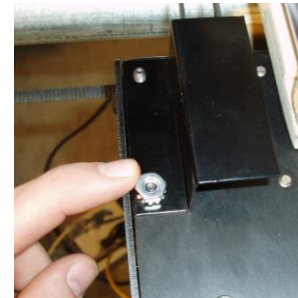
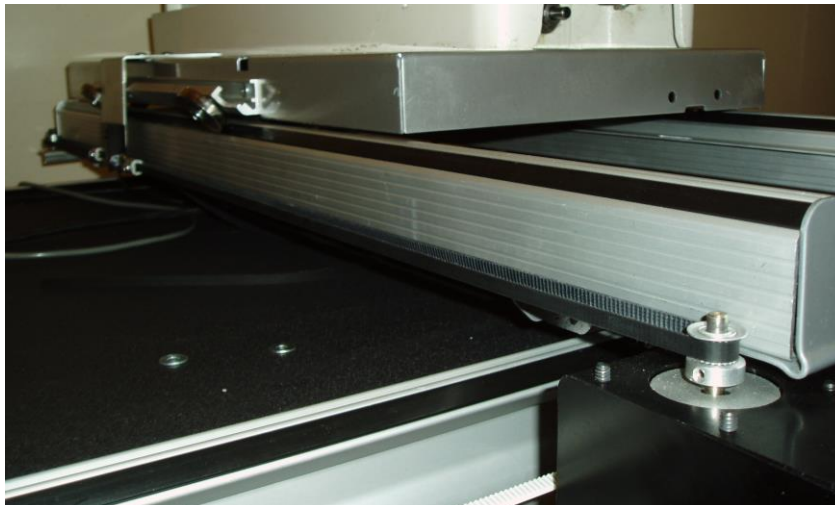


Fig 13

12. Your Butler is now attached to the frame and ready to be connected to the machine.



1. Turn on the switch on the motor box to the “on” position and the LED (above the power wire on the motor box) should be lit. Also the LED on the Stitcher box should be lit when the machine is turned on.

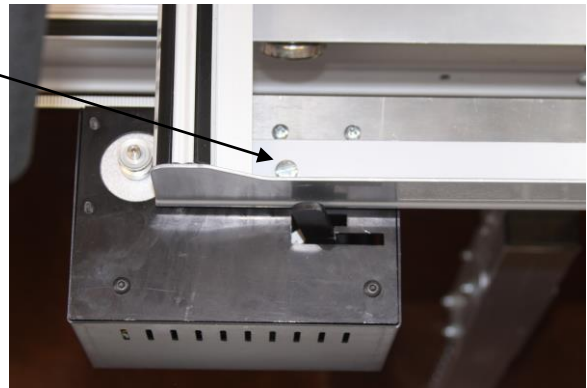
## **Adjusting Speed and Stitch Length**

1. Adjusting Stitch length can be done before or while the Butler is running by turning the “Stitches Per Inch” dial on the left handle bar.
2. Adjusting the machine speed can be done before or while the Butler is running by turning the “Speed” dial on the right handle bar. When the Butler is not activated the speed dial will then control the machine stitching speed in manual mode.

## **Detaching the Belts for Free Motion**

When the Butler is not running (meaning it isn’t moving your machine, but could still be on), the motors will be free and you can move your machine to where ever you like. If you want your machine to move as it did before you attached the Butler, it is very easy to disengage the belts.

1. On the motor box there is a lever, move the lever forward then up to disengage the belt (NOTE: The lever is spring loaded, you will need to give it some effort.)



2. To detach the carriage belt simply unscrew the carriage belt bracket and hang it to the side. Having it still attached to the pulleys will be ok.

