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|  | Client: VotingWorks | Doc. No.: VWX-001-D017 |
| | Project: Ballot Receptacle | Revision: X01 |
| | Doc. Title: Front Frame Assembly Instruction | Date: 11/4/2024 |

1.0 PURPOSE

The purpose of this document is to describe the required parts, assemblies, tools, preparation, and process to assemble the Front Frame Assembly (VX~01-10034).


2.0 PARTS & ASSEMBLIES

2.1 Made-To-Spec (MTS)

| Item Number | Description |
|-------------|--------------------------|
| VX~02-10038 | U-Tube, Font |
| VX~01-10035 | Assy, Front, Bottom Tube |
| VX~02-10041 | Strike Plate, Deck |
| VX~02-10044 | Catch, T-Hook |
| VX~02-10016 | Washer, Saddle |
| VX~02-10143 | Locating Pin, Deck |
| VX~02-10013 | Slide, Scissor |
| VX~02-10045 | Plug, Slide, Scissor |

2.2 Off-The-Shelf (OTS)

| Item Number | Description |
|-------------|-----------------------------------|
| VX~99-10046 | Pop Rivet, 1/8 IN x 0.212 IN |
| VX~99-10047 | Pop Rivet, 1/4 IN x 0.5 IN, Black |

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| Item Number | Description |
|-------------|-------------------------------|
| VX~99-10024 | Pop Rivet, 5/32 IN x 0.362 IN |
| VX~99-10025 | Pop Rivet, 3/16 IN x 1.075 IN |
| VX~99-10026 | BHCS, M6 x 40 mm, 18-8 SST |
| VX~99-10028 | Foot, 1.0 IN Tube |

3.0 TOOLS

3.1 Made-To-Spec (MTS)


| Item Number | Description |
|-------------|-------------|
| | |
| | |

3.2 Off-The-Shelf (OTS)

| Supplier | Part Number | Description |
|----------|-------------|----------------------------|
| ZIPP | ZT1017VS | PNUEMATIC BLIND RIVET TOOL |
| - | - | 4.0mm Allen wrench |


4.0 PREPARATION

Ensure that the straight tubes have the star nuts installed per Tube Nut Assembly Instruction (VWX-001-D020). The blind rivet tool requires 1/8", 5/32", 3/16" and 1/4" tips.

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5.0 ASSEMBLY PROCESS

Assemble the Front Frame Tube Assembly (VX~01-10034) as defined in the following steps.

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STEP 1 ASSEMBLY OF DECK STRIKE PLATE

1.1 Align the deck strike plate (VX~02-10041) with the corresponding front u-tube opening.



1.2 Rotate the strike plate onto the front u-tube.




NOTE: Use a plastic washer between the striker plate and frame tube to protect the frame tube's finish. Once rotated in place, the plastic washer can be removed.

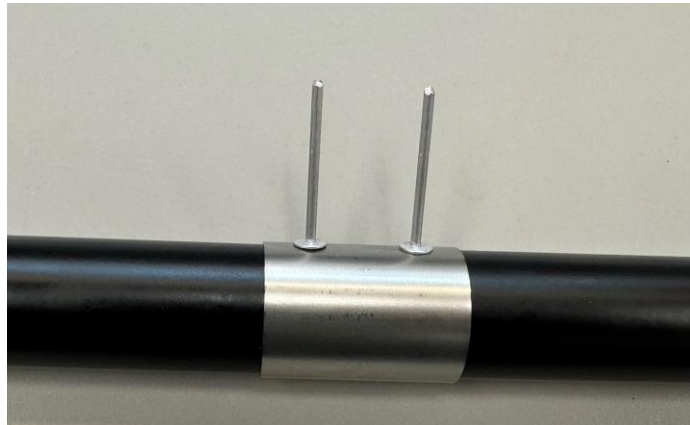
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- 1.3 Align the rivet holes of the strike plate with the corresponding holes on the front u-tube.
- 1.4 Insert 2 blind rivets (VX99-10046) into the corresponding holes and use the blind rivet installation tool to complete the riveting operation.



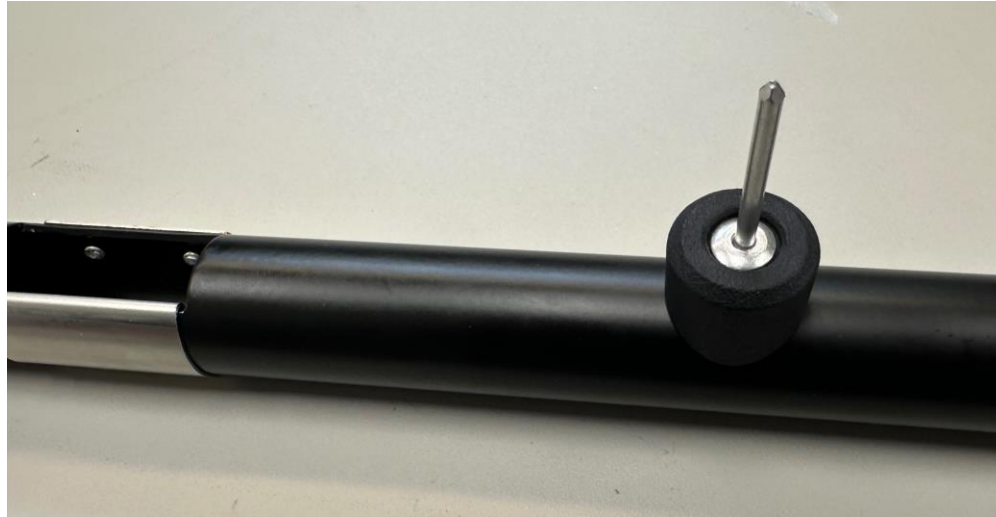
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STEP 2 ASSEMBLY OF DECK LOCATING PIN

2.1 Align the deck locating pins (VX~02-10143) with the corresponding hole on the front u-tube.




2.2 Insert the blind rivet (VX~99-10025) into the corresponding hole and use the blind rivet installation tool to complete the riveting operation.

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STEP 3 ASSEMBLY OF STATIC SCISSOR SLIDES

3.1 Slide one scissor slide (VX~02-10013) onto a leg of the front u-tube.




NOTE: Ensure the slide scissors are pointing toward the deck latch frame opening

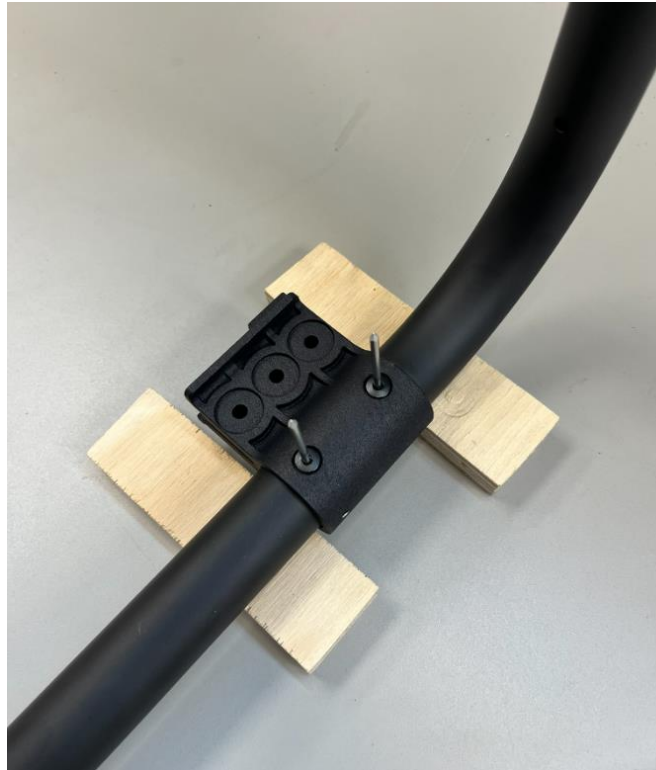
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- 3.2 Place the assembly onto blocks on either side of the slide scissor as shown, place the slide scissor into position so that the corresponding holes are aligned, insert 2 blind rivets (VX~99-10024), and use the blind rivet installation tool to complete the riveting operation.



NOTE: The blocks are required to ensure there is intimate contact between the front u-tube and scissor slide during the riveting operation.

- 3.3 Repeat 3.1 and 3.2 for the other scissor slide.

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STEP 4 ASSEMBLY OF T-HOOK CATCHES

- 4.1 Align the T-hook catch (VX~02-10044) with the corresponding holes on one leg of the front u-tube, insert the 2-front facing blind rivets (VX~99-10047), place the assembly onto blocks as shown and use the blind rivet installation tool to complete the riveting operation.



NOTE: The blocks are required to ensure there is intimate contact between the front u-tube and T-hook catch during the riveting operation.

- 4.2 Flip the u-tube over and insert the 2-rear facing blind rivets (VX~99-10047) into the corresponding holes, place the assembly back onto the blocks and use the blind rivet installation tool to complete the riveting operation.
- 4.3 Repeat 4.1 and 4.2 on the other u-tube leg.

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STEP 5 ASSEMBLY OF MOBILE SCISSOR SLIDES

5.1 Slide scissor slides (VX~02-10013) onto each front u-tube leg.




NOTE: Ensure both scissor slide's orientations match that of the previously attached ones. **NO** fastening is required.

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STEP 6 ASSEMBLY OF BOTTOM TUBE

- 6.1 Slide the rear bottom tube assembly (VX~01-10035) between the frame legs of the front u-tube and align with the corresponding holes on the frame.




NOTE: Ensure the floor tabs are protruding on the same side of the front u-tube as the static slide scissors

- 6.2 Insert 2 button head machine screws (VX~99-10026) with washer saddles (VX~02-10016) into the corresponding holes and use an Allen wrench to complete the fastening operation.



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STEP 7 ASSEMBLY OF TUBE FEET


7.1 Insert one foot (VX~99-10028) onto each leg.



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STEP 8 ASSEMBLY OF THE SCISSOR SLIDE HOLE PLUGS

8.1 Press 4 scissor slide hole plugs (VX~02-10045) into the holes of the scissor slides on one side of the u-tube as shown.




8.2 Repeat for the other side of the frame.

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REVISION HISTORY AND APPROVALS

If this document is a released alpha-revision, a record of the approvers and specifics of the approval process associated with each released version of this document is contained in the CR# listed in the table, and available for review on NOVO's online CR system.

| Rev | Description | CR# | Date | Submitted By |
|-----|---------------|-----|------|--------------|
| X01 | Initial Draft | N/A | | |
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