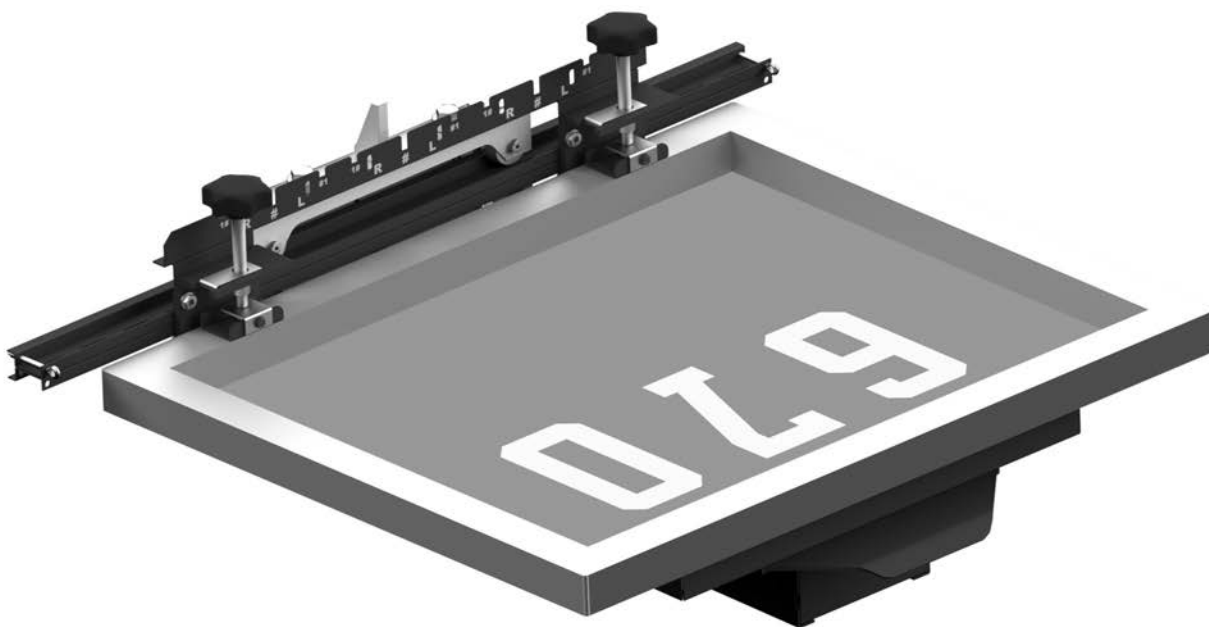




DIGIT-JR Numbering System

Models: DJR-8-U / DJR-8

Assembly and Operating Manual



Contents	Page#
• Introduction	2
• Component ID	2
• Attachment Assembly/Installation	3-5
• Site & Detent Rail Installation	6
• Site Rail and Number Alignment Overview	7-8
• Operating Instructions	9
• Adjustments	10
• Alignment Guide (AG)	12

Vastex E-mail assistance

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Tech Support, Mechanical Setup, and Operation
techsupport@vastex.com

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printech@vastex.com

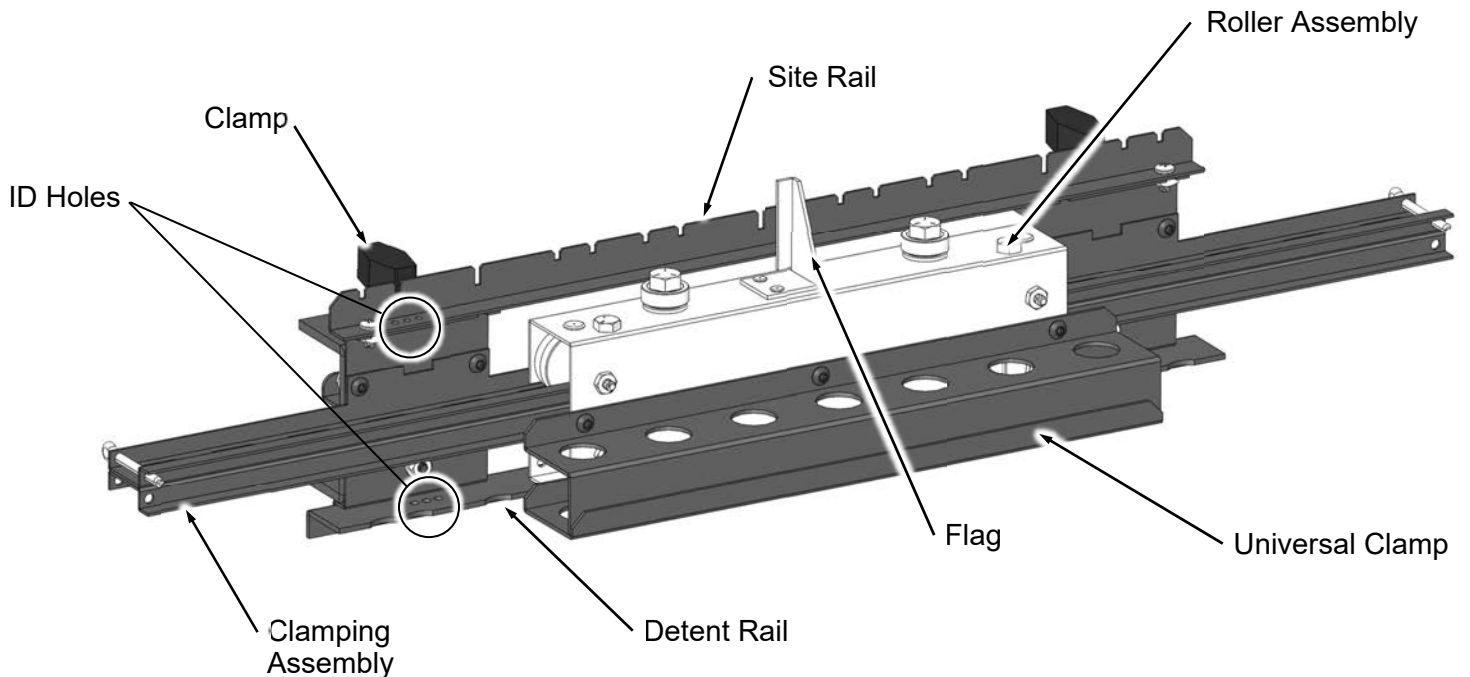
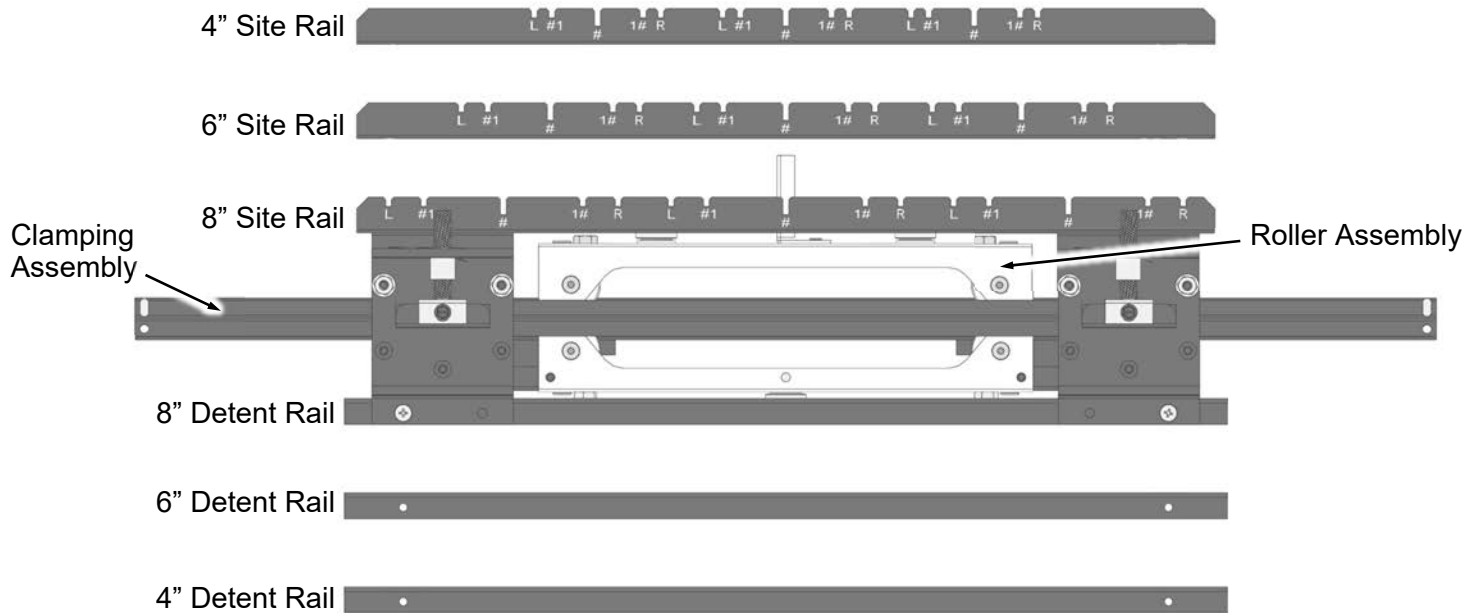
Vastex International, Inc.
 7 Emery Street
 Bethlehem, Pa. 18015 USA
 Phone# 610 625-2702 Fax# 610 625-2775
 Web Site www.vastex.com

Introduction

The DIGIT-JR was designed and built as light as possible, while still maintaining great strength and durability. This attachment will clamp into any rear clamp manual press when universal mounting is purchased. The print head must be able to support a minimum of 11 lbs each. It must also be strong enough to hold the screen level when slid to the end printing positions. Additional springs or shocks may be required for your press to hold this attachment. **Vastex is not responsible for damages incurred while trying to retrofit our DIGIT-JR to your press.** A Vastex V-2000 press needs no modifications to mount the DIGIT-JR. A V-1000 will need either an HD head upgrade, or a Microless Head Option. The V-100 will hold the DIGIT-JR in stock form.

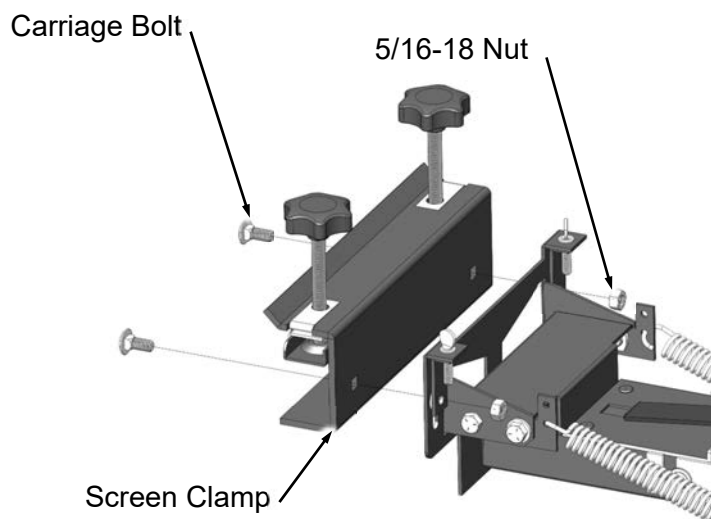
There are different Site and Detent Rails for all sizes of numbers. The same Site and Detent rails are used for all screens of the same height numbers. Detent and Site rails are marked to indicate each size.

Component Identification

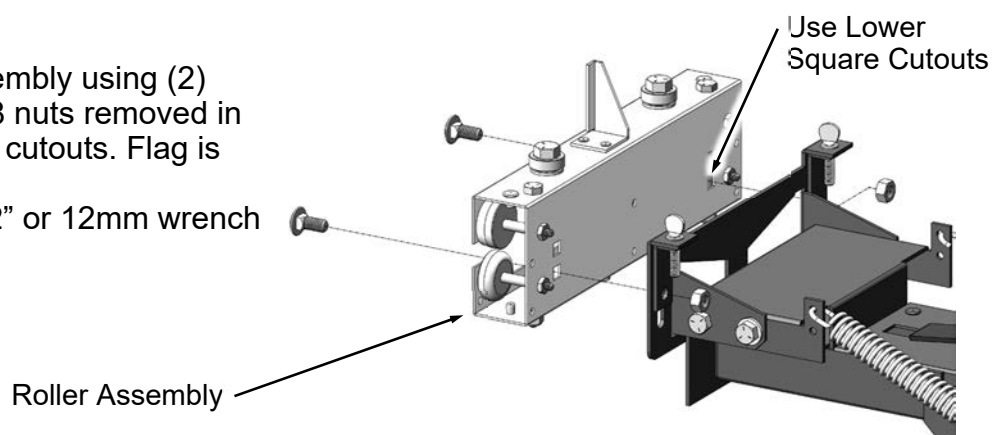


Attachment Installation (V-100)

- 1) Loosen and remove (2) Carriage bolts and 5/16-18 nuts to remove screen clamp
-Using 1/2" or 13mm wrench
- 2) Remove Screen Clamp and set aside.



- 3) Install Digit-JR Roller Assembly using (2) Carriage bolts and 5/16-18 nuts removed in step 1. Use Lower Square cutouts. Flag is pointing up for reference.
-Tighten Well using 1/2" or 12mm wrench

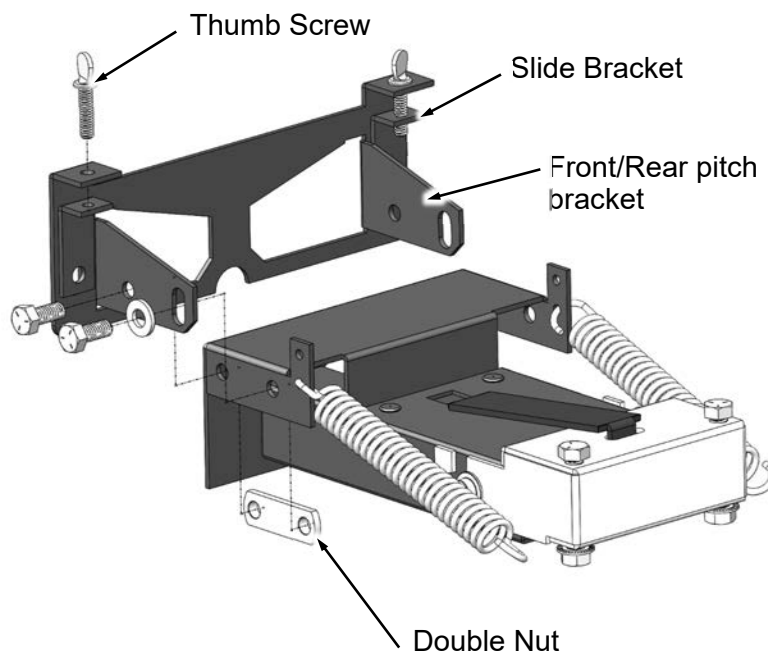


-For Vastex V-100 Press Manufactured Before 10/1/2018

Optional Pitch adjustment (standard after 10/1/2018) should be used on V-100 presses.

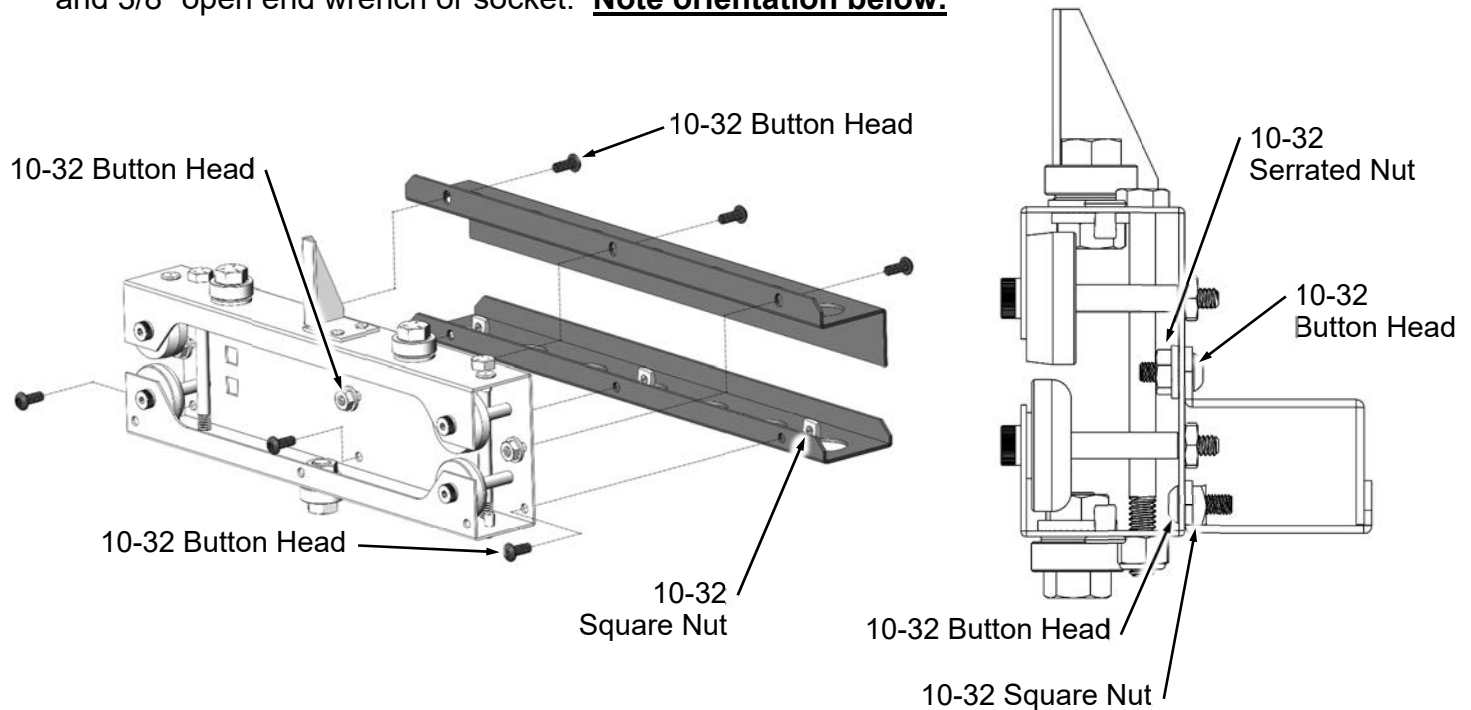
If not installed, please install on each head.

- 1) Loosen and remove (4) 5/16-18, (2) double nuts, and (2) washers.
-Using 1/2" or 12mm wrench
- 2) Remove old front/rear pitch bracket and install new bracket using same hardware.
-Tighten well with 1/2" or 13mm wrench
- 3) Install slide brackets with thumb screws as shown.

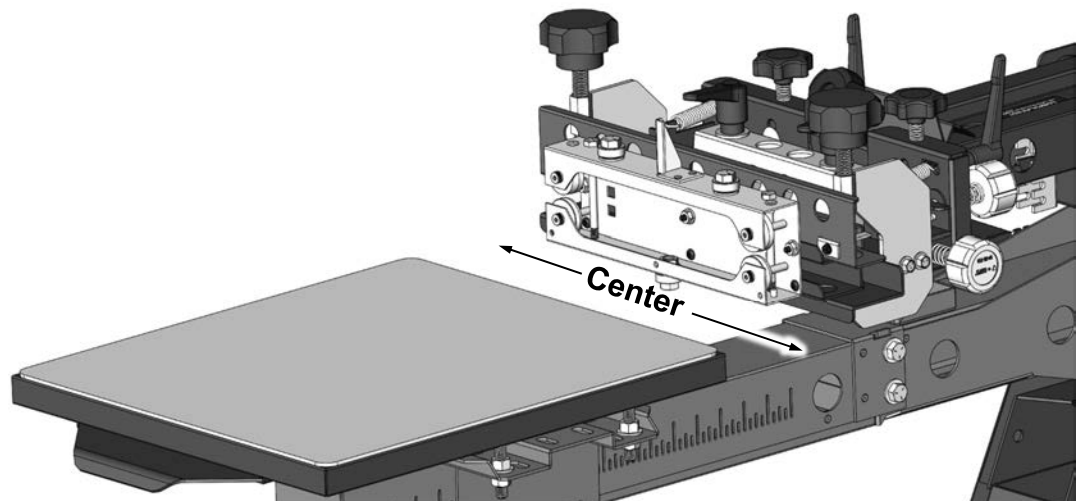


Attachment Installation (Clamp In)

- 1) Universal Clamp Assembly must be attached to each Roller Assembly
- 2) Attach Bottom Channel to roller assembly using (3) 10-32 button head bolts and (3) 10-32 square nuts. Tighten well with 1/8" Allen wrench.
Note orientation below.
- 3) Attach Top Channel to Roller Assembly using (3) 10-32 button head bolts and (3) 10-32 Serrated Nuts. Tighten well with 1/8" Allen wrench and 3/8" open end wrench or socket. **Note orientation below.**



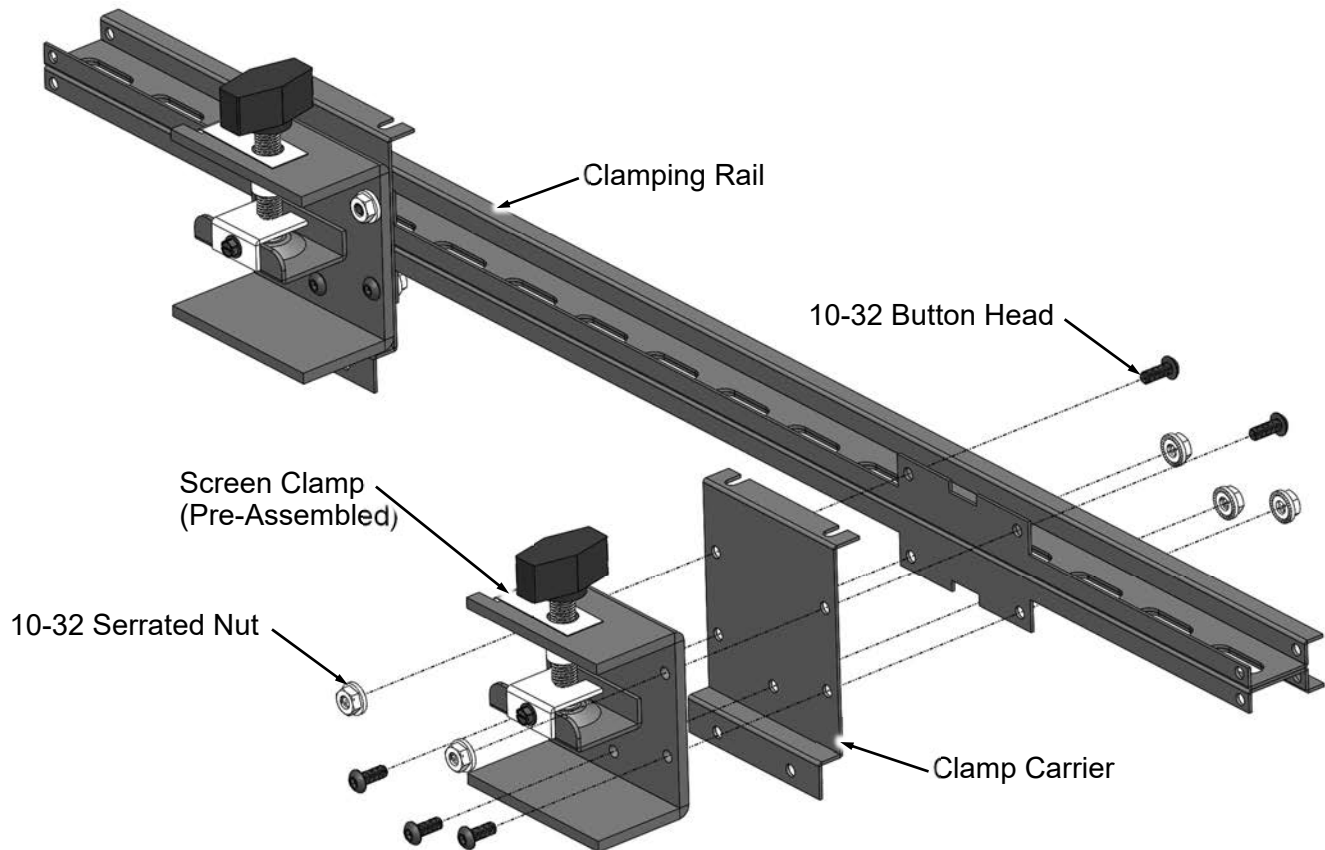
- 4) Center the Clamp Assembly in your press' rear clamps and tighten the clamps. Leave a minimum of 2.5" (6.3CM) between the Clamp Assembly and the back of your pallet.



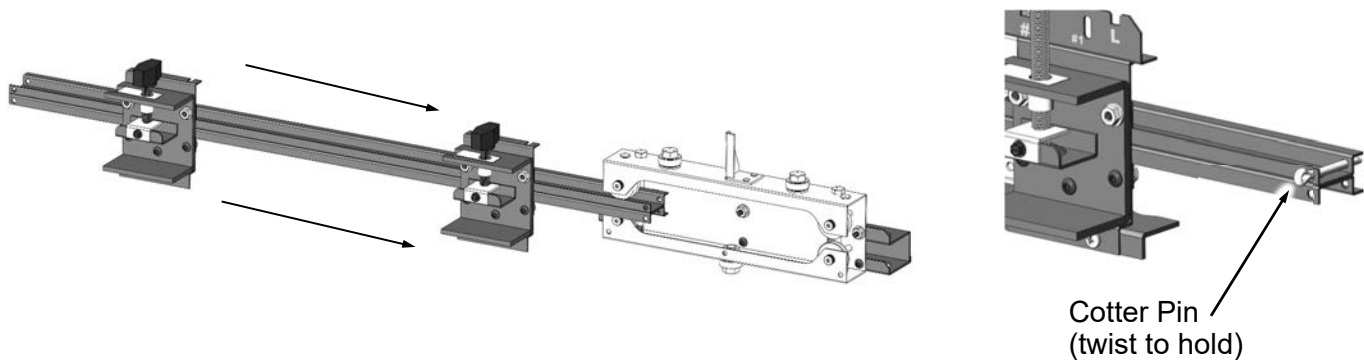
Clamping Assembly Installation

- 1) Attach Screen Clamps and Clamp Carriers to Clamping Rail using (5) 10-32 x 1/2" button head bolts and (5) 10-32 Serrated nuts for each Screen Clamp
-Tighten well with 1/8" allen wrench and 3/8" open end.

Take note of the hardware orientation. 3 bolts are installed from the front, 2 are installed from the rear. **This is an important detail**



- 2) Slide Clamping Assembly into Roller Assembly as shown below.
- 3) Install Cotter Pin on ends of Clamping Assembly to prevent unintentional removal of Clamping Assembly



Site Rail Installation

The Site Rail is a visual aid for selecting the desired print location of the numbers.

- 1) Loosen the two phillips head screws circled in the picture below.
- 2) Slide the Site Rail into the slots above the clamps
Be sure to install the correct Site and Detent Rails to match the screen you will be using.

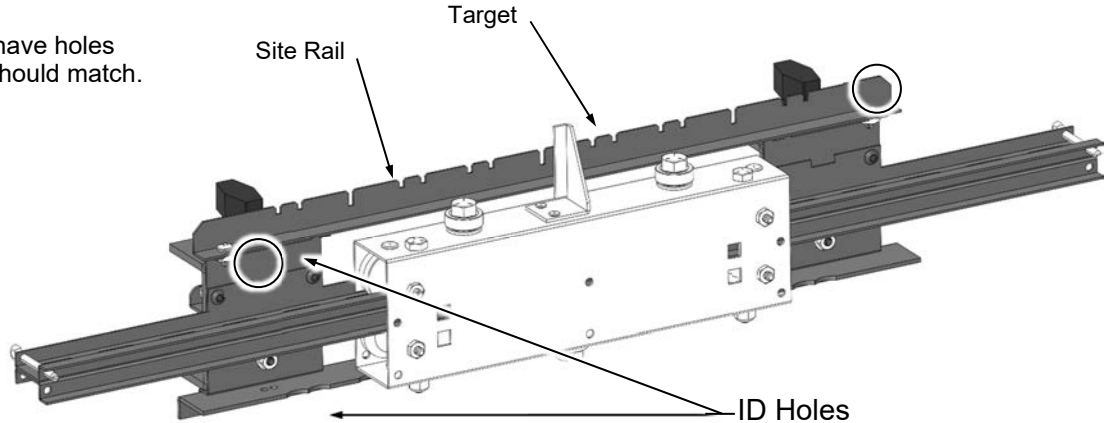
Note

The Site and Detent Rails can be installed while the numbering attachment is on the press. This is shown off the press for instructional purposes only.

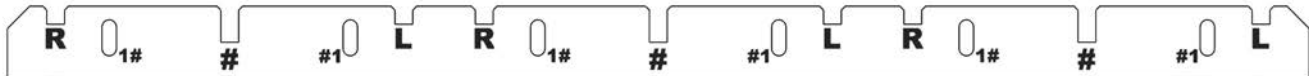
ID HOLES:

The Site and Detent rails have holes punched in them. These should match.

- 8" Site/Detent : 3 ID Holes
- 6" Site/Detent : 2 ID Holes
- 4" Site/Detent : 1 ID Hole



- 3) Site Rails should be labeled from the factory as shown below.



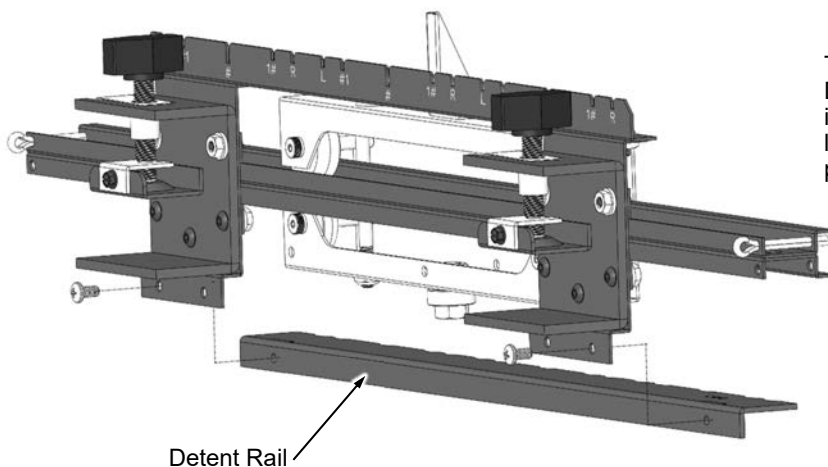
Detent Rail Installation

The Detent Rail controls the location of the number. Five positions are available for each number. This is a very important step.

- 1) Loosen the two phillips head screws on the Detent Rail. (shown below)
- 2) Slide the Detent Rail onto the bottom of the Numbering Attachment and tighten them down well. See photo (bottom right) for visual reference.
Be sure to install the correct Site and Detent Rails to match the screen you will be using.

Important!

Detent rails must be installed as shown below. Be sure grooves in rail lock into the roller bearing!



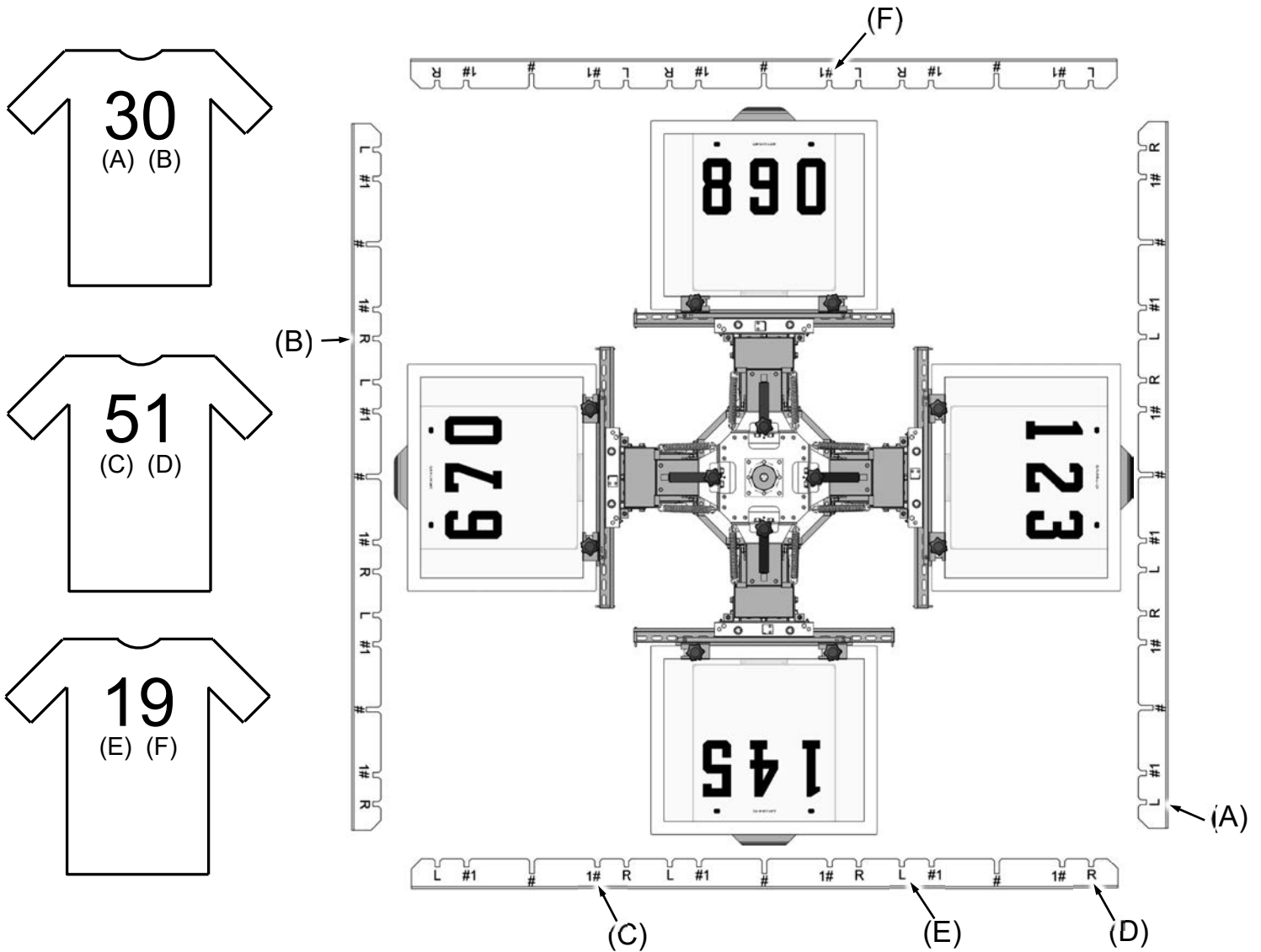
The grooves in the Detent Rail engage into a Roller Bearing, locking the screen into position.

Roller Bearing

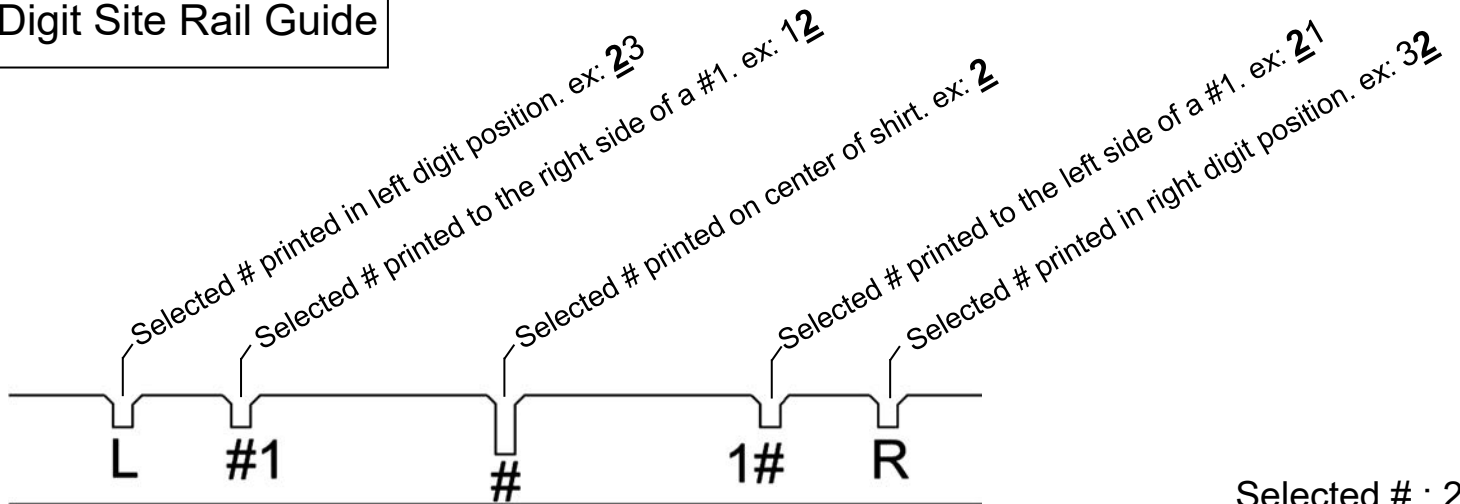
(The picture above shows the correct orientation of an installed Detent Rail.)

Site Rail and Number Alignment Overview

- Your Digit-JR attachments are made up of 4 individual attachments and screens.
- 1 and 0 are present twice in the system. This enables the user to switch screens less in production.
- All site and detent rails of each size are the same. See below for examples of printed numbers and their respective positions on the site rails/attachments.
- The #1 and 1# positions are for printing any number with 1. The Digit-JR compensates for the difference in width of the number 1 by moving the accompanying number closer to center.



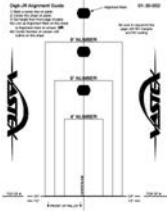
Digit Site Rail Guide



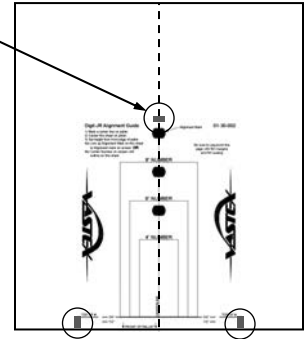
Alignment Instructions & Tips

To align your DiGiT Numbering System, please photocopy the Alignment Guide (AG) which is the back page of this manual. This page will aid you in aligning your screens.

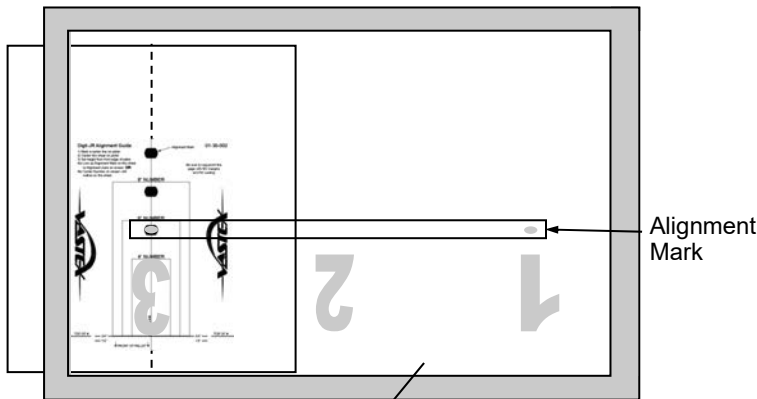
1) Photocopy (full size) back page of DiGiT Manual. (AG)



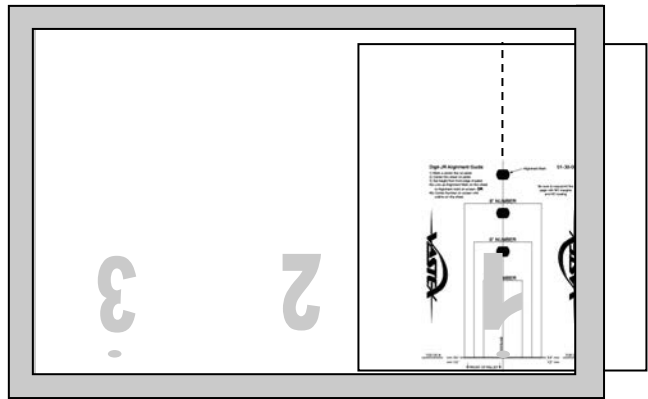
2) Position and attach the AG on the pallet using a center line and references found on the AG.



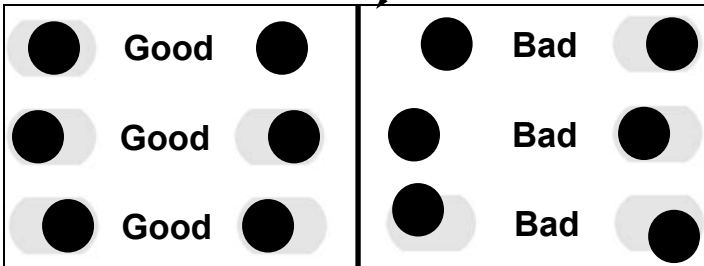
3) Lower the screen and slide the attachment to the center position of the number farthest to the left.
4) Line up and center the round Alignment Mark on the AG to the oblong Alignment Mark on the screen.



5) Slide the screen to the center position of the number farthest to the right.
6) Repeat step 4



7) After you have the Alignment Marks lined up on each screen you are printing with, print a test print.

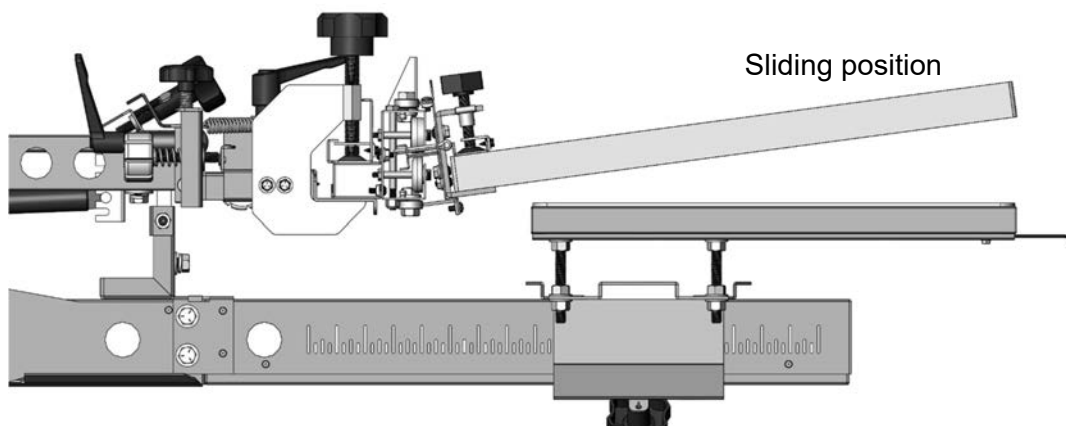
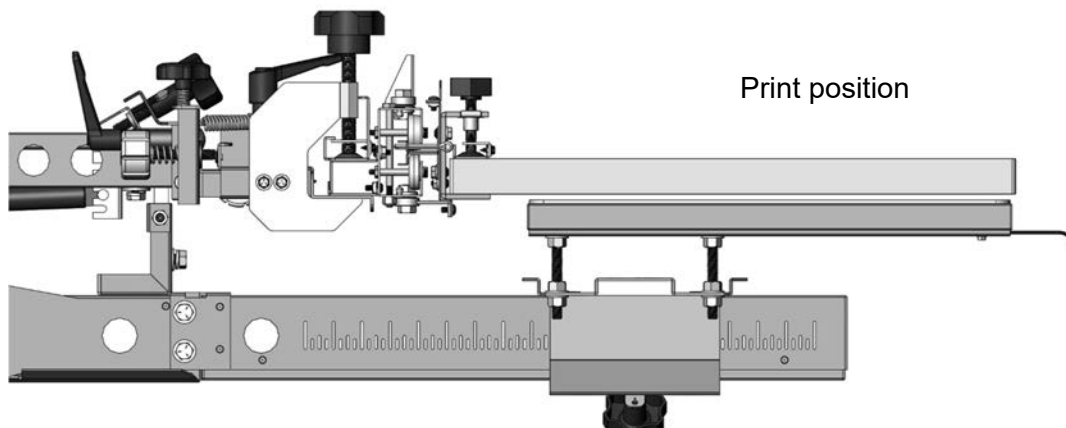


If your screens do not have, or you do not want to use, the Alignment Marks, you can do the same procedure with the box outlines on the **AG**.

Operating Instructions

- 1) Install the DiGiT-JR numbering attachments. Pg3-5
- 2) Install required Site and Detent Rails. Pg 6
- 3) Clamp in and locate screen. Pg 8
- 4) Be sure your screen is leveled in both directions. Set off contact to 3/8" to ensure the screen locks fully into the Detent Rail.
- 5) Install (optional) Vastex Squeegee Rest onto screen.
- 6) Ink the screens with athletic ink. For athletic numbering tips, see document (01-08-028) found at Vastex.com or contact Vastex Sales department.
- 7) Use squeegees cut to proper width. See chart for sizes.
- 8) Tilt the screen slightly to slide to the required number. Print position and sliding position are shown below.
- 9) Each number has five printing positions. (Pg 3) Align the Site Rail to the Target for the desired printing location. When the screen is in the print position, the detent will engage into the roller bearing. A properly set off contact is required for this to function correctly.
- 10) To raise the print head, center the screen and gently lift.
- 11) Do not lean on number screens. Damage to the mechanism can occur and off contact will suffer.

Recommended Squeegee Widths					
Font Height	Digit	Squeegee Width	Font Height	Digit	Squeegee Width
2"	0,2-9	1 1/2"	6"	0,2-9	3 3/4"
	1	1 1/4"		1	2 3/4"
4"	0,2-9	2 3/4"	8"	0,2-9	5"
	1	2"		1	3 1/2"



Adjustments

Assembly is too tight or too loose when sliding left to right?

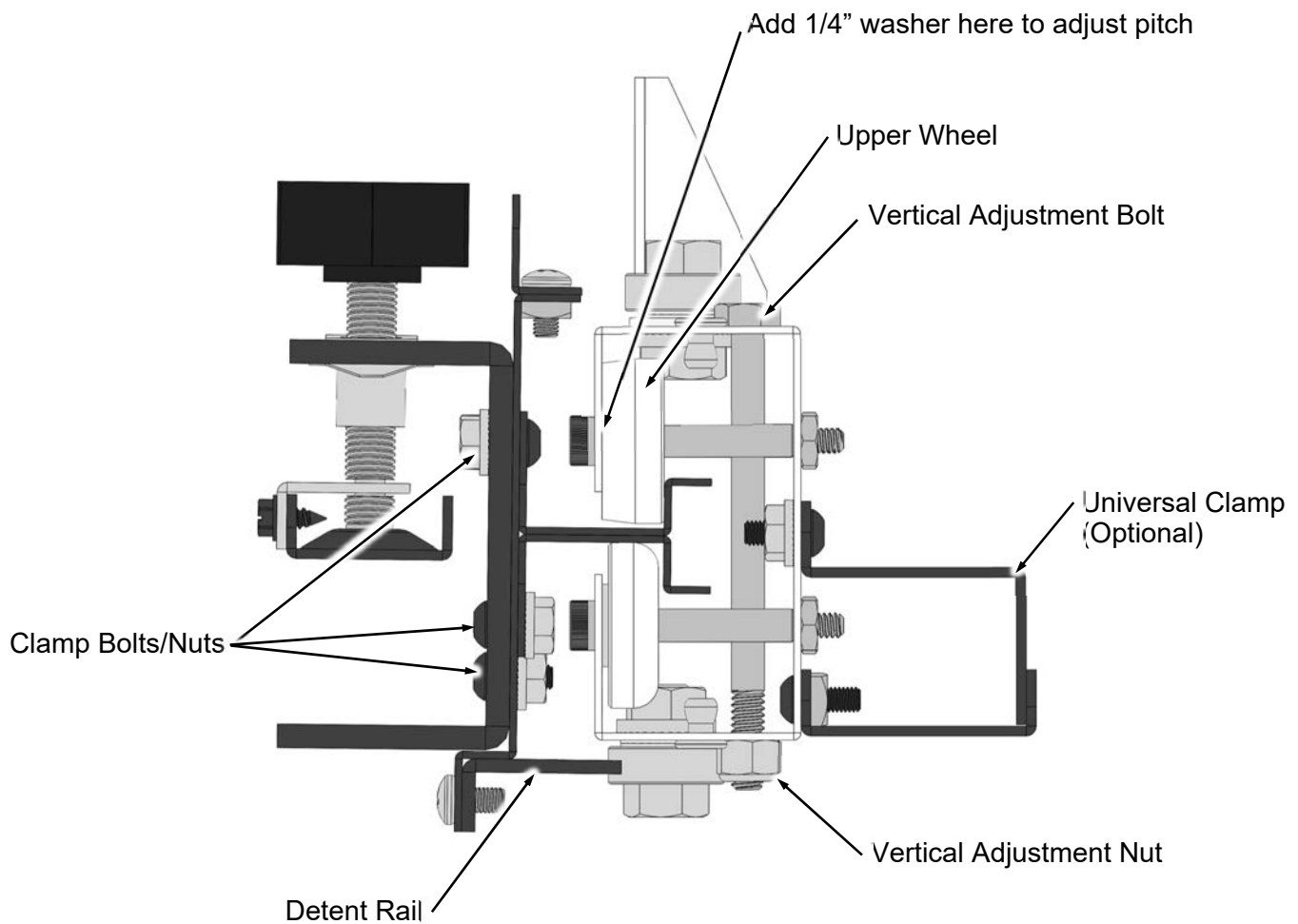
- Tighten or Loosen Vertical Adjustment bolt and nut.
Loosen if slide is too tight, Tighten if slide is too loose.

Screen tilted down too much in print position?

- Washer(s) must be added behind the UPPER wheel. A 1/4" washer should be added between the upper wheel and the Roller Wrap.

Clamps Loose?

- Tighten bolts that hold clamp to clamping assembly. Tighten well using a 3/8" open end wrench and 1/8" allen wrench.



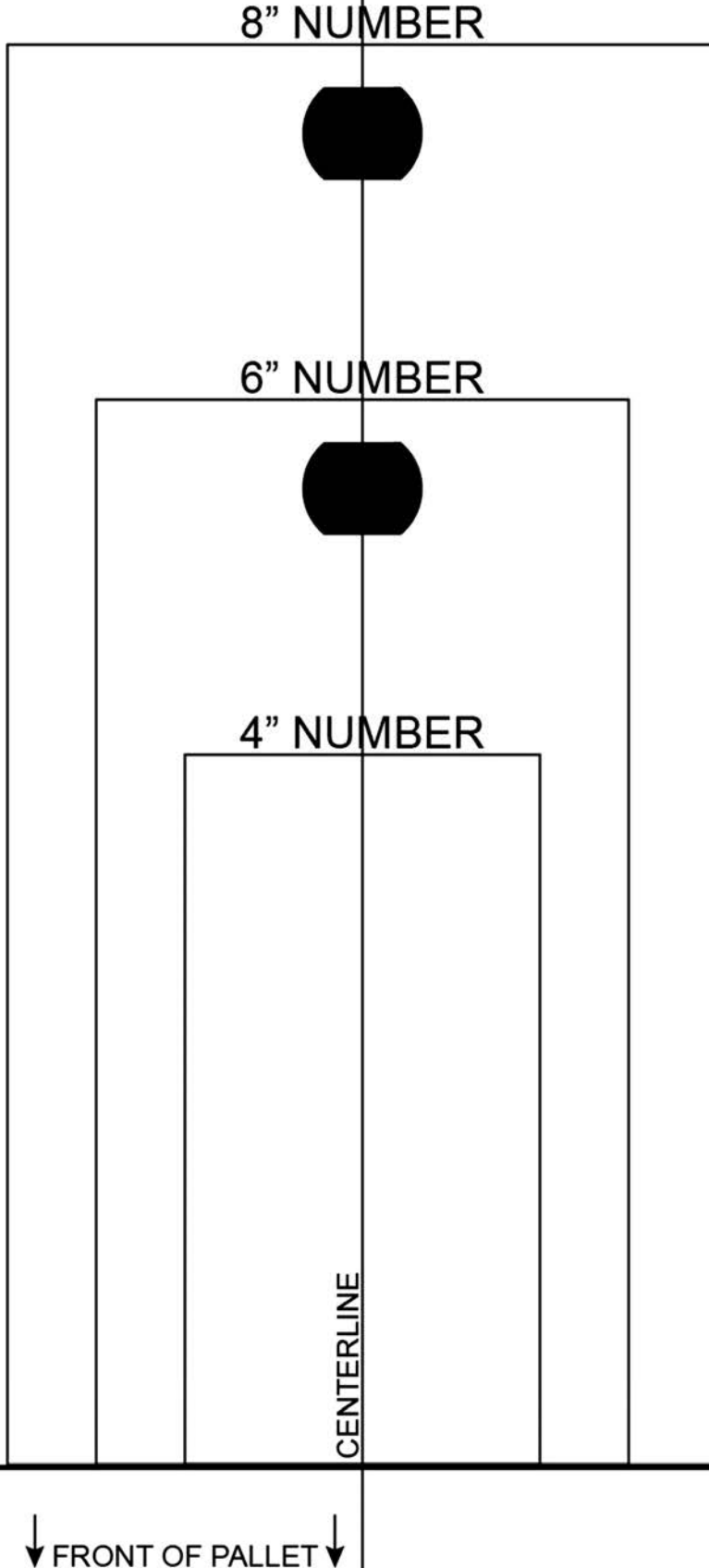
Digit-JR Alignment Guide

01-30-002

- 1) Mark a center line on pallet.
- 2) Center this sheet on pallet.
- 3) Set height from front edge of pallet.
- 4a) Line up Alignment Mark on this sheet to Alignment mark on screen. **OR**
- 4b) Center Number on screen with outline on this sheet.

Alignment Mark

Be sure to copy/print this page with NO margins and NO scaling



8" NUMBER

6" NUMBER

4" NUMBER

CENTERLINE

TOP OF #

— 3/4"
— 1/2"

↓ FRONT OF PALLET ↓

— 3/4"
— 1/2"

TOP OF #