

# PowerFlex® 700S and 700H Frame 10...14 Drives Maintenance Stand



## Installation Instructions

### Introduction

Use this document to assemble the maintenance stand and attach it to a PowerFlex 700S or 700H frame 10...14 drive, which contains a power structure you want to remove. For complete information on removing the power structure from the drive enclosure, refer to the appropriate Hardware Service Manual for your drive:

Title	Publication
Hardware Service Manual - PowerFlex 700S and 700H Frame 10 Drives	PFLEX-TG002
Hardware Service Manual - PowerFlex 700S and 700H Frame 11 Drives	PFLEX-TG003
Hardware Service Manual - PowerFlex 700S and 700H Frame 12 Drives	PFLEX-TG004
Hardware Service Manual - PowerFlex 700S and 700H Frame 13 Drives	PFLEX-TG005
Hardware Service Manual - PowerFlex 700S and 700H Frame 14 Drives	PFLEX-TG006

The publications listed above are available online at [www.rockwellautomation.com/literature](http://www.rockwellautomation.com/literature).

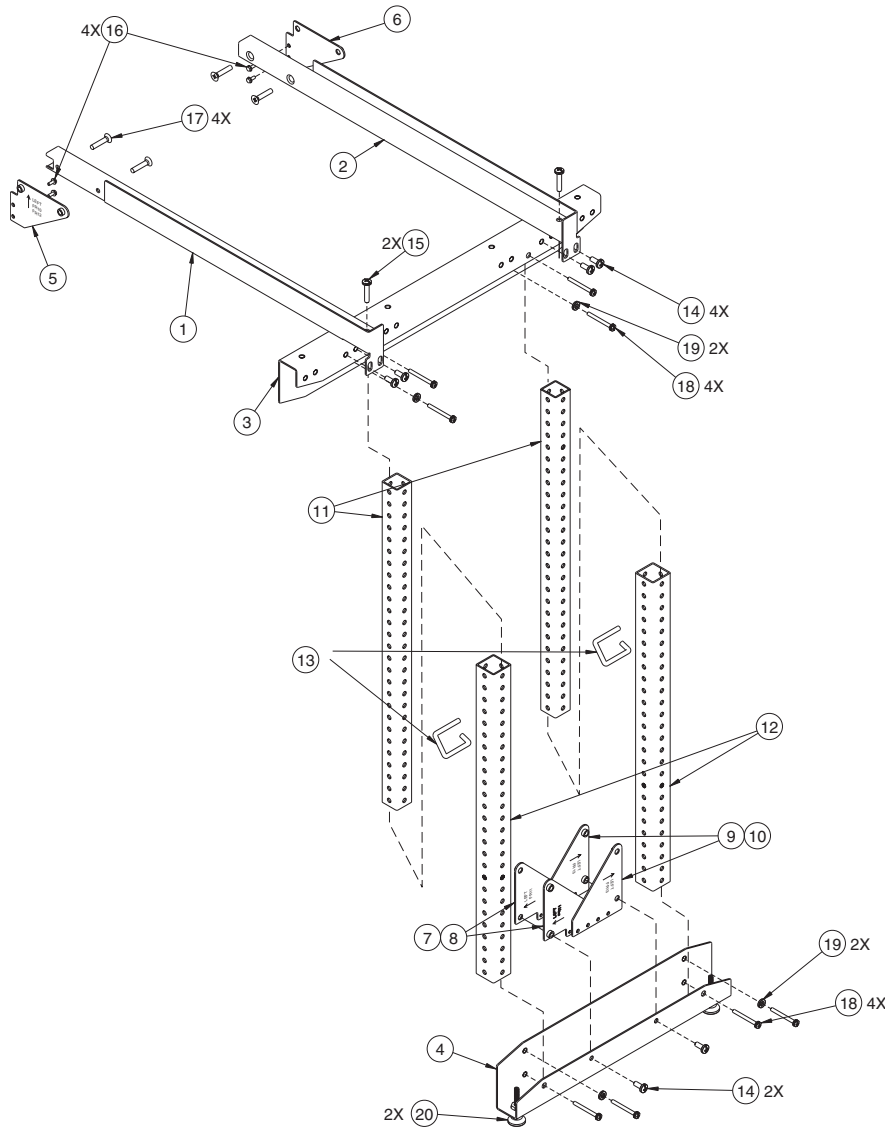
U.S. Allen-Bradley Drives Technical Support:

- Tel: (1) 262.512.8176
- Fax: (1) 262.512.2222
- Email: [support@drives.ra.rockwell.com](mailto:support@drives.ra.rockwell.com)
- Online at: [www.ab.com/support/abdrives](http://www.ab.com/support/abdrives).



**ATTENTION:** This maintenance stand is intended for removing and installing power structures for frame 10...14 PowerFlex 700S and 700H drives installed in standard Rittal enclosures only. Using it for other purposes may lead to personal injury or equipment damage. Do not use it for any other purpose.

## What This Kit Contains



No.	Description	Qty.
①	Left Rail	1
②	Right Rail	1
③	Top Bracket	1
④	Base	1
⑤	Frame 10/12 Left Mounting Plate	1
⑥	Frame 10/12 Right Mounting Plate	1
⑦	Frame 11 Left Mounting Plate	1
⑧	Frame 11 Right Mounting Plate	1
⑨	Frame 13/14 Left Mounting Plate	1
⑩	Frame 13/14 Right Mounting Plate	1
⑪	Inner Leg	2
⑫	Outer Leg	2
⑬	Locking Pin	2
⑭	M8 x 20 Phillips Screw	6
⑮	M8 x 40 Phillips Screw	2
⑯	M5 x 16 Phillips Screw	18 <sup>(1)</sup>
⑰	M8 x 50 Phillips Screw	4
⑱	M8 x 60 Phillips Screw	8
⑲	M8 Flat Washer	4
⑳	Leveling Foot	2

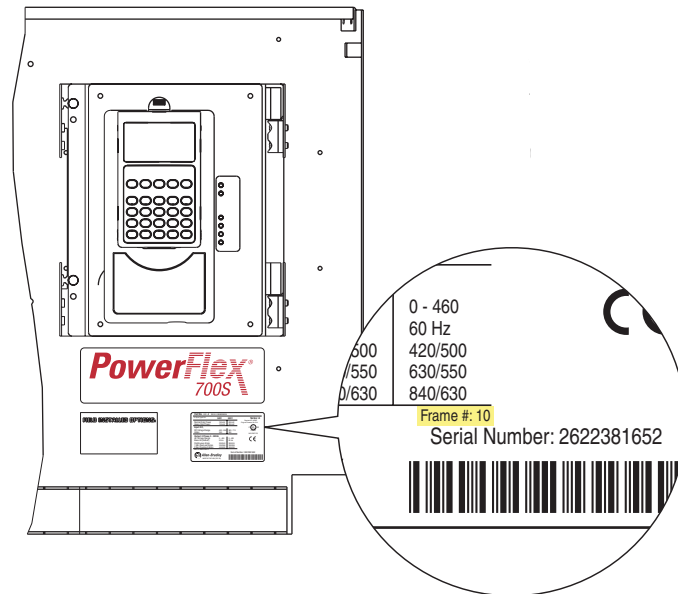
<sup>(1)</sup> 4 Screws for Frame 10/12 Drives, 6 Screws for Frame 11 Drives, 8 Screws for Frame 13/14 Drives

## What You Need to Do

- Step 1: Determine the frame size of the drive (see below).
- Step 2: Assemble the rails (see [page 4](#)).
- Step 3: Assemble the bottom of the stand (see [page 5](#)).
- Step 4: Attach the top to the legs (see [page 6](#)).
- Step 5: Attach the rail assemblies to the top of the stand (see [page 7](#)).
- Step 6: Attach the stand to the drive (see [page 8](#)).
- Step 7: Level the stand (see [page 9](#)).

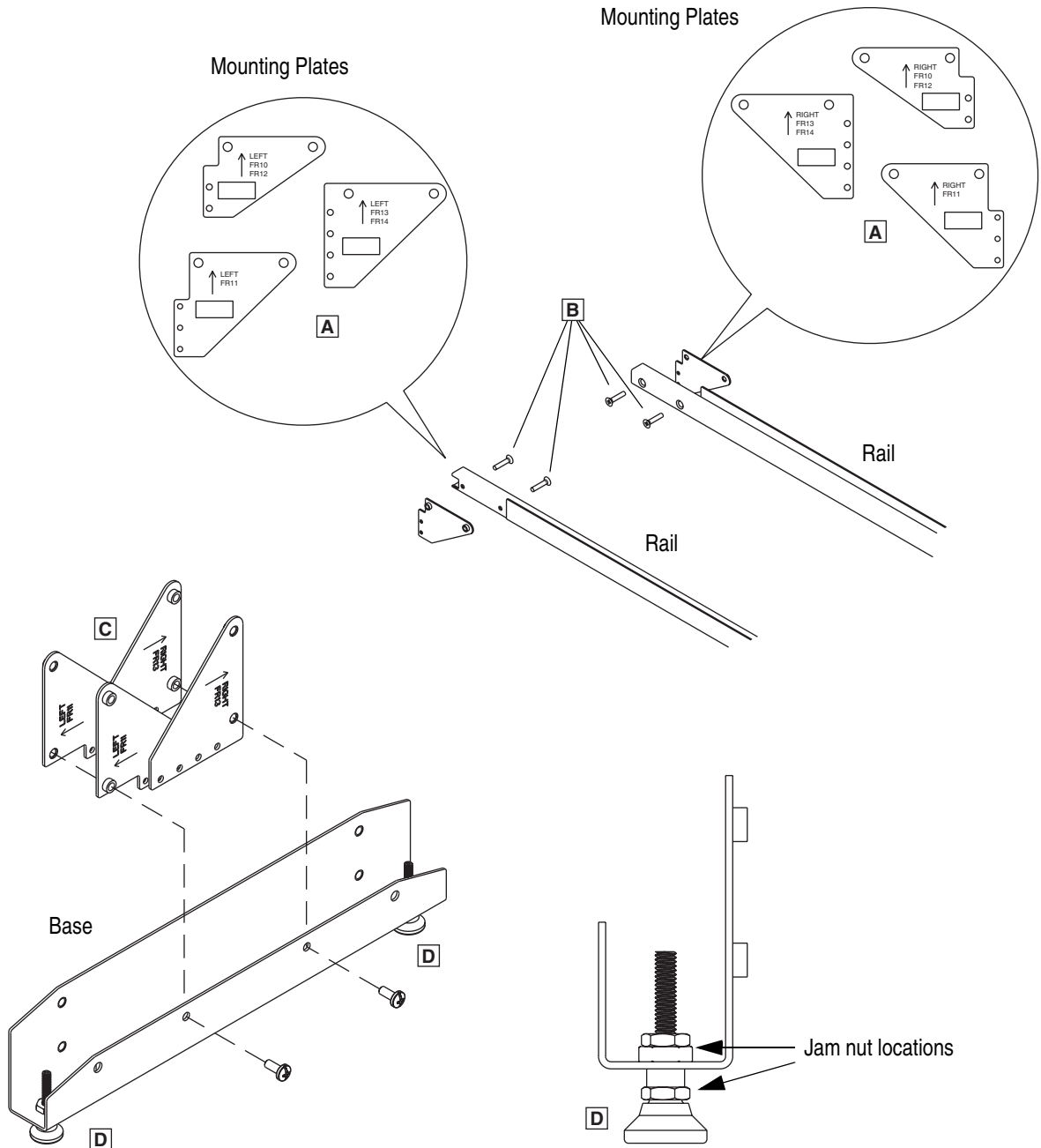
### Step 1: Determine the Frame Size of the Drive

You need to know the frame size of the drive. Determine this by checking the data nameplate on the control frame. The frame number is printed just above the serial number.



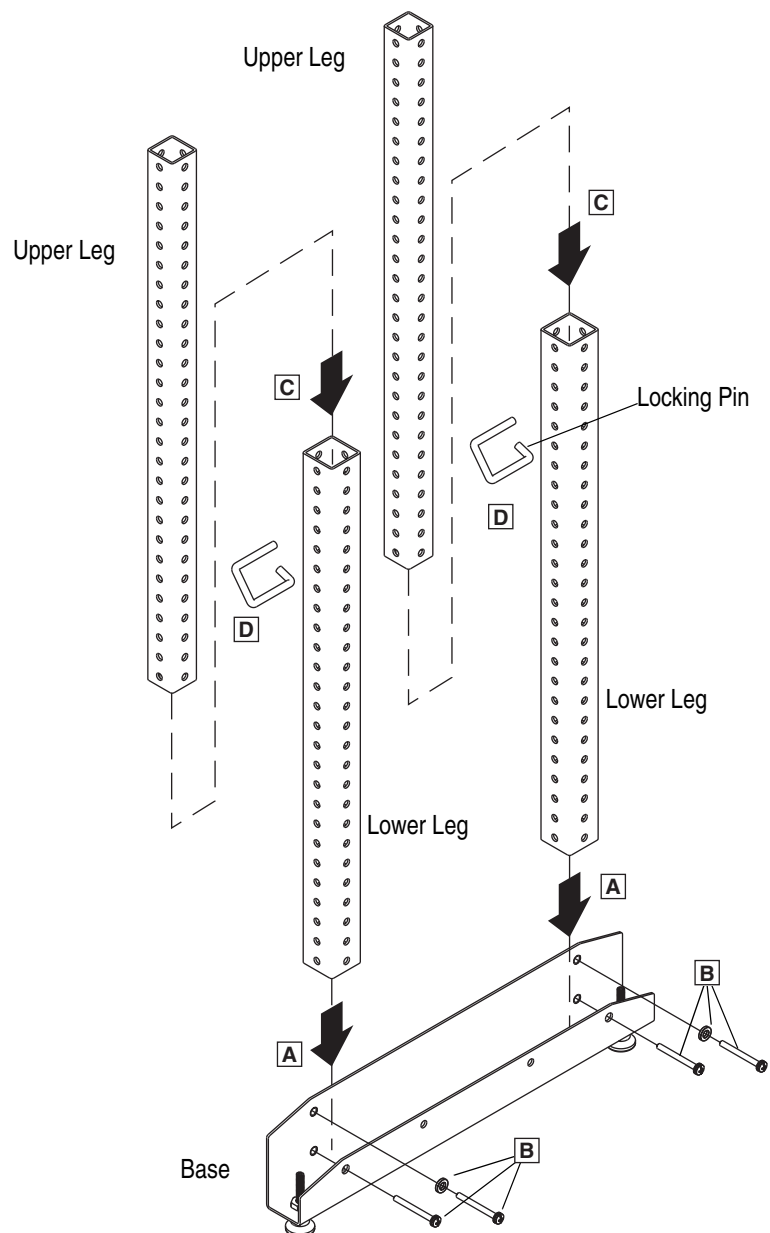
## Step 2: Assemble the Rails

Task	Description
A	Select the proper left and right mounting plates, based on drive frame size.
B	Attach the mounting plates to the rails using the M8 x 50 Phillips® head screws. Proper tightening torque is 7 N•m (62 lb•in).
C	Store the unused mounting plates on the base of the stand. Use the M8 x 20 Phillips head screws to secure mounting plates to base.
D	Install the feet onto the base of the stand.



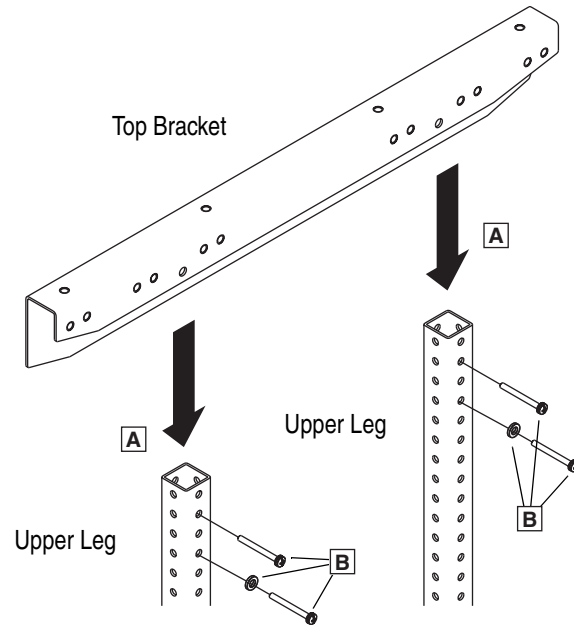
### Step 3: Assemble the Bottom of the Stand

Task	Description
<b>A</b>	Insert the bottom (outer) legs into the base.
<b>B</b>	Secure the bottom legs to the base using the M8 x 60 Phillips head screws and washers as shown. Proper tightening torque is 7 N•m (62 lb•in).
<b>C</b>	Insert the upper (inner) legs into the bottom legs.
<b>D</b>	Secure the upper legs to the bottom legs using the locking pins.



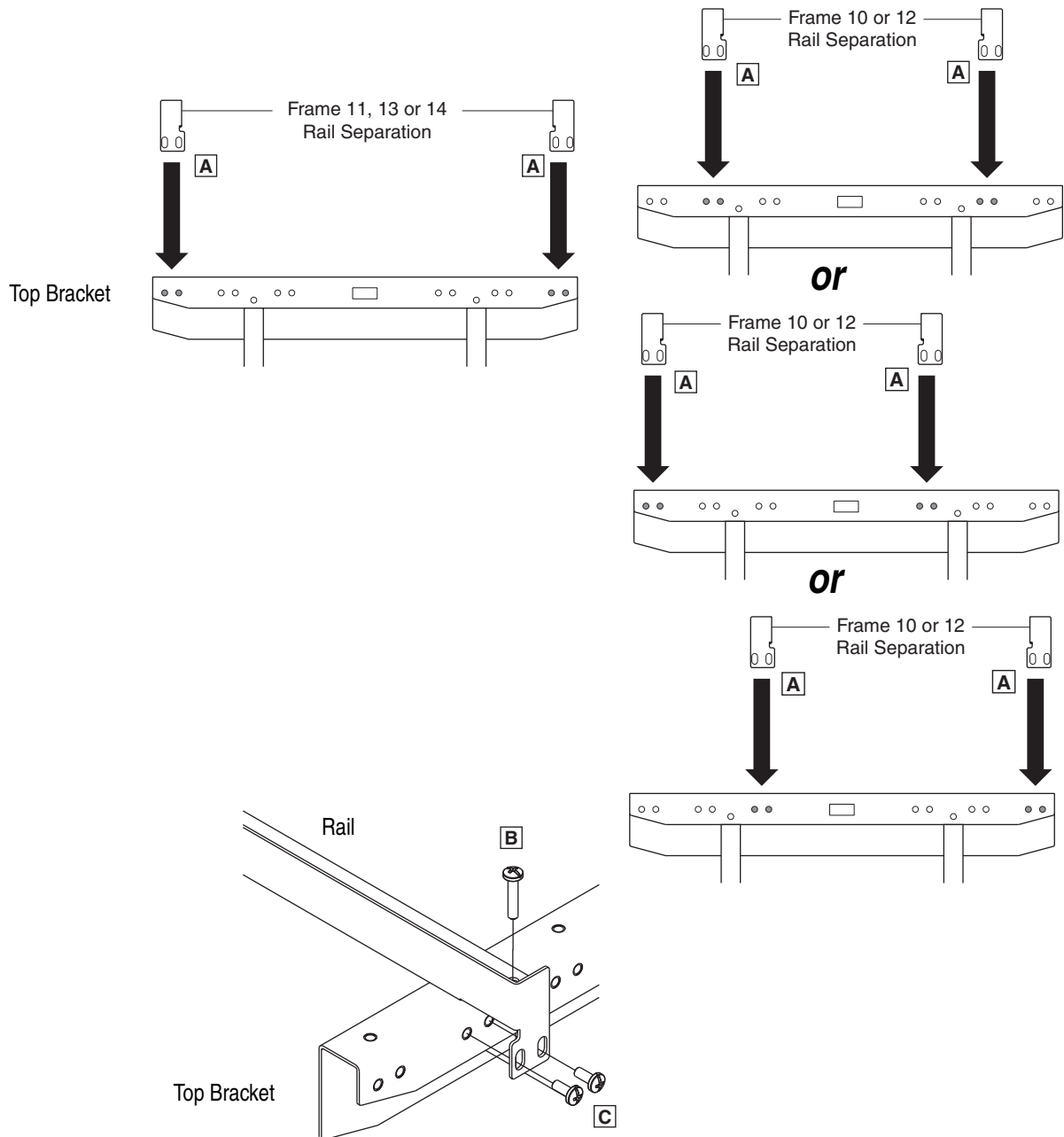
## Step 4: Attach the Top to the Legs

Task	Description
<b>A</b>	Place the top bracket on the upper legs.
<b>B</b>	Secure the top to the upper legs using the M8 x 60 Phillips head screws and washers as shown. Proper tightening torque is 7 N•m (62 lb•in).



## Step 5: Attach the Rail Assemblies to the Top of the Stand

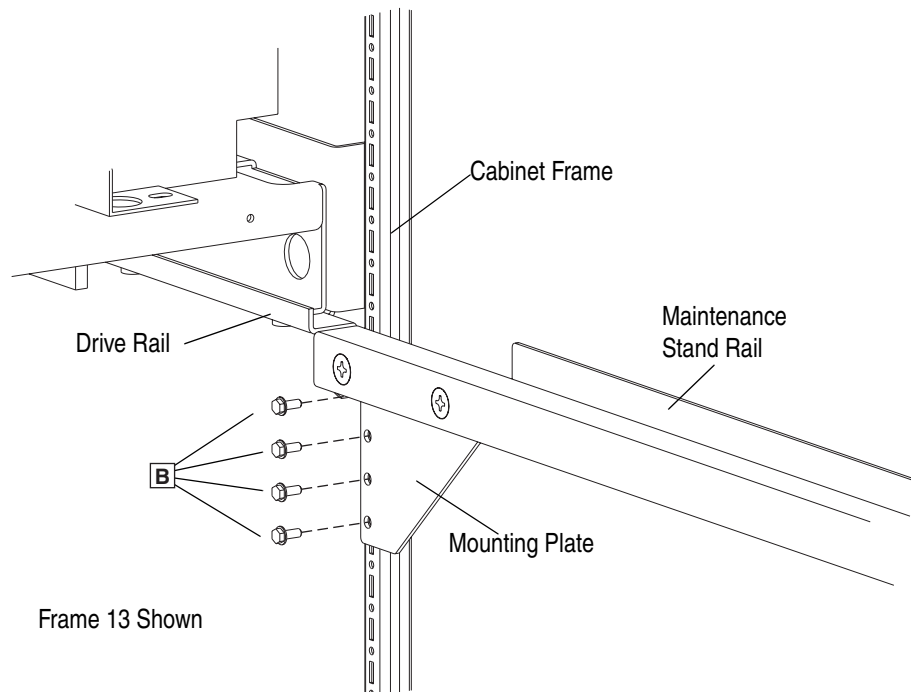
Task	Description
<b>A</b>	Align the rails with the proper holes on top bracket.
<b>B</b>	Secure the rails to the top bracket using the M8 x 40 Phillips head on the tops of the rails. Proper tightening torque is 7 N•m (62 lb•in).
<b>C</b>	Install and tighten the M8 x 20 Phillips head screw on the back of the top bracket. Proper tightening torque is 7 N•m (62 lb•in).



## Step 6: Attach the Stand to the Drive

Task	Description
<b>A</b>	Align the rails of the stand with the rails of the drive and the holes in the mounting plates with the holes in the frame of the drive cabinet.
<b>B</b>	Install and tighten the M5 x 16 slot-hex head screws to secure the mounting plates to the frame of the drive cabinet. Proper tightening torque is 4 N•m (35 lb•in).

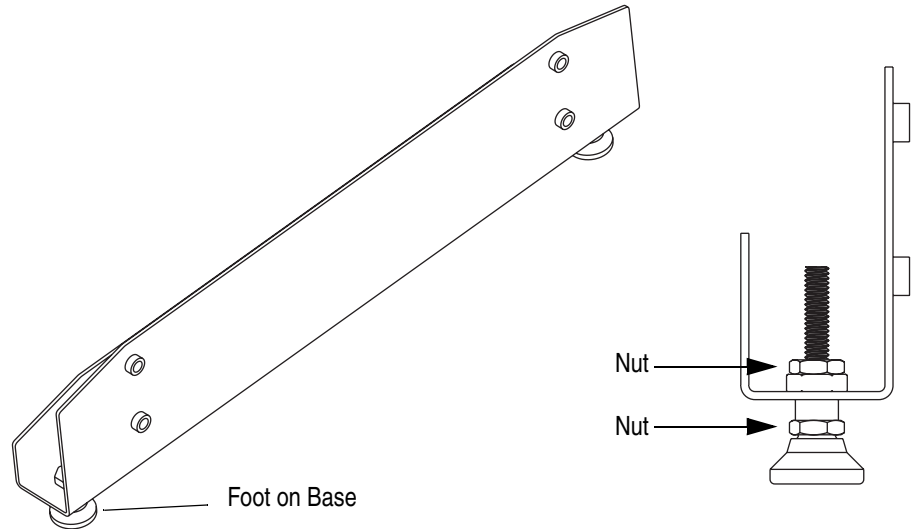
**Note:** The number of screws in each mounting plate varies with drive frame size.





## Step 7: Level the Stand

Task	Description
<b>A</b>	Loosen the 3/8 inch nuts, which are used to secure the foot in the desired position.
<b>B</b>	Rotate the foot to raise or lower the stand.
<b>C</b>	Tighten the nuts.



[www.rockwellautomation.com](http://www.rockwellautomation.com)

---

**Power, Control and Information Solutions Headquarters**

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Publication PFLEX-IN014B-EN-P - February 2011

Copyright © 2011 Rockwell Automation. All rights reserved. Printed in the U.S.A.