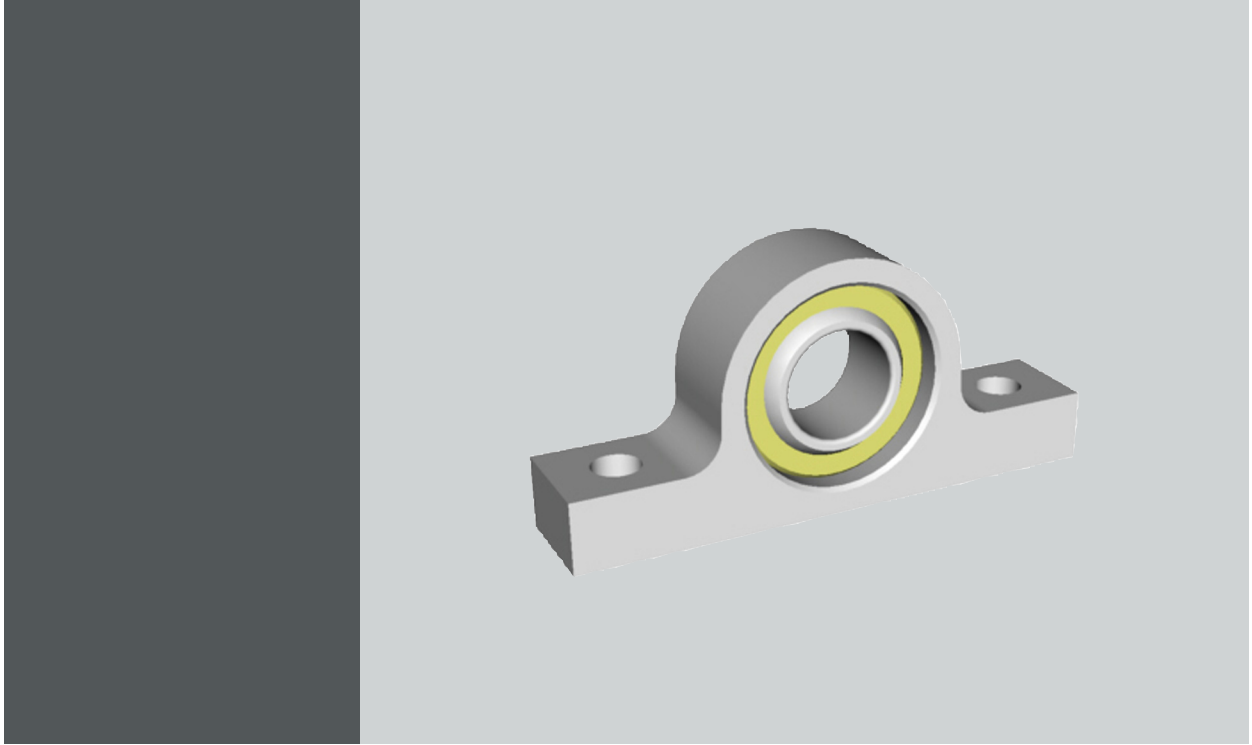


Pillow block bearing



Installation manual For RLM W-series multifunctional frame (R9899700)

R8000099K

Barco nv Entertainment Division
Noordlaan 5, B-8520 Kuurne
Phone: +32 56.36.82.11
Fax: +32 56.36.883.86
Support: www.barco.com/esupport
Visit us at the web: www.barco.com

Printed in Belgium

Changes

Barco provides this manual 'as is' without warranty of any kind, either expressed or implied, including but not limited to the implied warranties or merchantability and fitness for a particular purpose. Barco may make improvements and/or changes to the product(s) and/or the program(s) described in this publication at any time without notice.

This publication could contain technical inaccuracies or typographical errors. Changes are periodically made to the information in this publication; these changes are incorporated in new editions of this publication.

The latest edition of Barco manuals can be downloaded from the Barco web site www.barco.com or from the secured Barco web site <https://my.barco.com>.

Copyright ©

All rights reserved. No part of this document may be copied, reproduced or translated. It shall not otherwise be recorded, transmitted or stored in a retrieval system without the prior written consent of Barco.

Disposal Information

Waste Electrical and Electronic Equipment



■ This symbol on the product indicates that, under the European Directive 2002/96/EC governing waste from electrical and electronic equipment, this product must not be disposed of with other municipal waste. Please dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

For more information about recycling of this product, please contact your local city office or your municipal waste disposal service. For details, please visit the Barco website at: <http://www.barco.com/en/AboutBarco/weee>

Trademarks

Brand and product names mentioned in this manual may be trademarks, registered trademarks or copyrights of their respective holders. All brand and product names mentioned in this manual serve as comments or examples and are not to be understood as advertising for the products or their manufacturers.

TABLE OF CONTENTS

1. Pillow block bearing	3
1.1 Introduction	3
1.2 Safety	3
2. Installation procedures.....	5
2.1 Removing the projector from the multifunctional frame	5
2.2 Removing the inner frame from the base	5
2.3 Replacing the pillow block bearing.....	8
2.4 Installing the inner frame on the base	9
2.5 Installing the projector onto the multifunctional frame.....	11

1. PILLOW BLOCK BEARING

Purpose of the Pillow block bearing

The Pillow block bearing is exclusively designed for the Barco RLM W-series multifunctional frame (R9899700) and can thus not be used on any other equipment.

Overview

- Introduction
- Safety

1.1 Introduction

Order info & content of the kit

When ordering the Pillow block bearing for RLM W-series multifunctional frame (R9899700), refer to article number R8000099K.

The table below gives an overview of the content of the kit.

Article number	Description	Quantity	Image
R5905108	This installation manual	1	image 1-1
R8000099	Pillow block bearing	1	image 1-2



Image 1-1

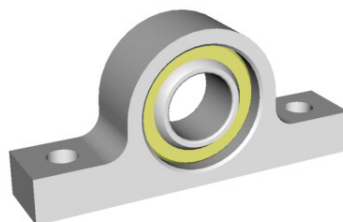


Image 1-2

1.2 Safety

Safety instructions

Read and heed the following warnings and cautions.



WARNING: The procedures below may only be performed by Barco trained and qualified technicians.

2. INSTALLATION PROCEDURES

Overview

- Removing the projector from the multifunctional frame
- Removing the inner frame from the base
- Replacing the pillow block bearing
- Installing the inner frame on the base
- Installing the projector onto the multifunctional frame

2.1 Removing the projector from the multifunctional frame

How to remove the projector from the multifunctional frame?

1. Remove the 8 screws (reference 1, image 2-1) (2 screws on each corner of the projector).

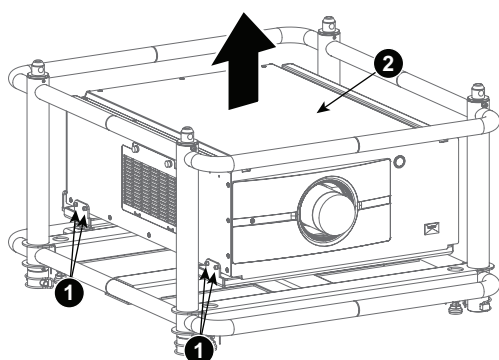


Image 2-1

2. Lift the projector (reference 2, image 2-1) out of the multifunctional frame.

2.2 Removing the inner frame from the base

Necessary tools

- 5 mm Allen wrench.
- 6 mm Allen wrench.
- 10 mm open end wrench (2 pieces).
- 17 mm hexagon socket with ratchet.

How to remove the inner frame from the base?

1. Loosen the two hexagon socket head cap screws (reference 1, image 2-2) at the bottom of the multifunctional frame as illustrated. Use a 5 mm Allen wrench.

2. Installation procedures

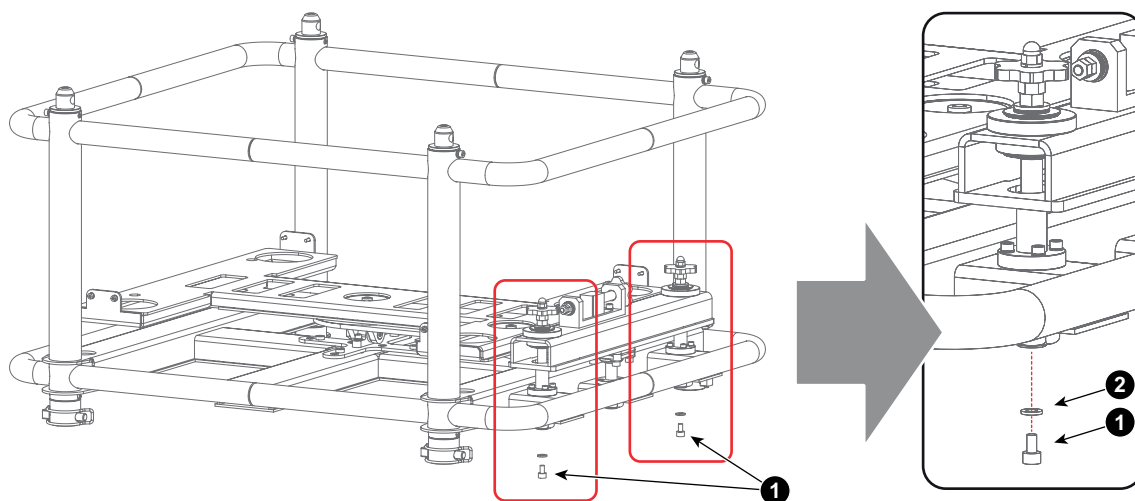


Image 2-2

2. Remove the bolt, nut and washer (reference 12, 10 & 11, image 2-3) from the joining point between base and inner assembly. Use ratchet with 17 mm hexagon socket and a 6 mm Allen wrench.

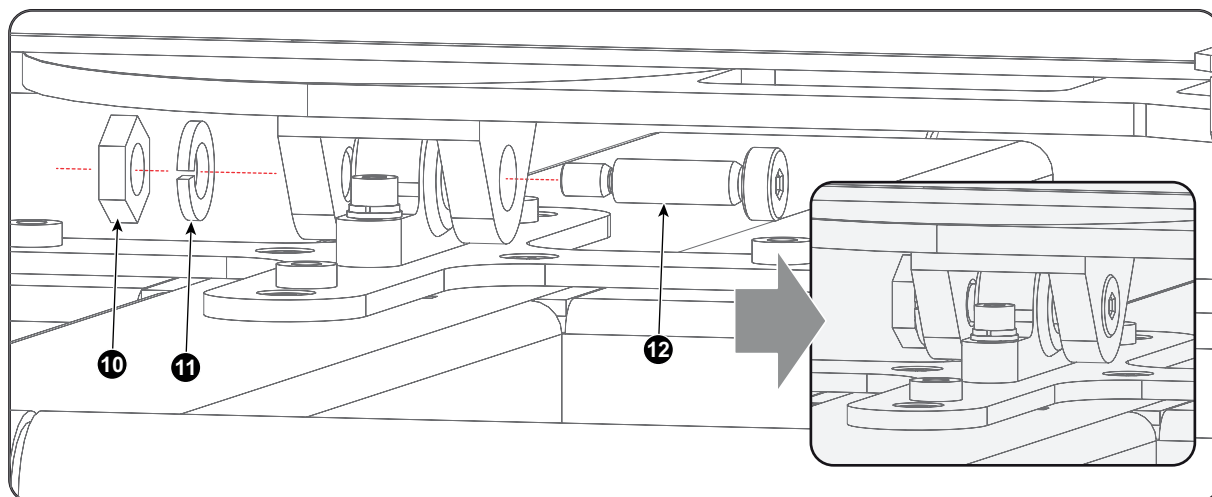


Image 2-3

3. Loosen the two nuts (reference 1, image 2-4) at the left side of the horizontal adjustment mechanism. Use two 10 mm open end wrenches.

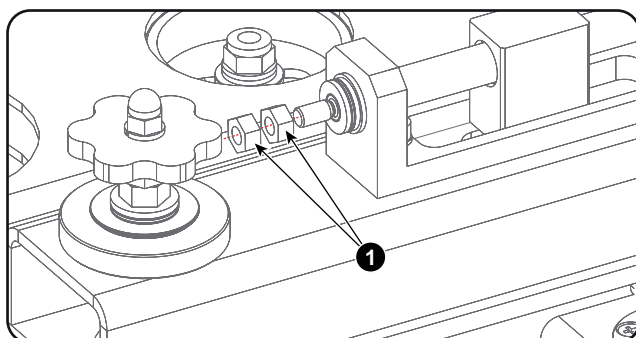


Image 2-4

4. Remove the spacers and small mounting parts (reference 4 to 7, image 2-5) from the adjustment rod.

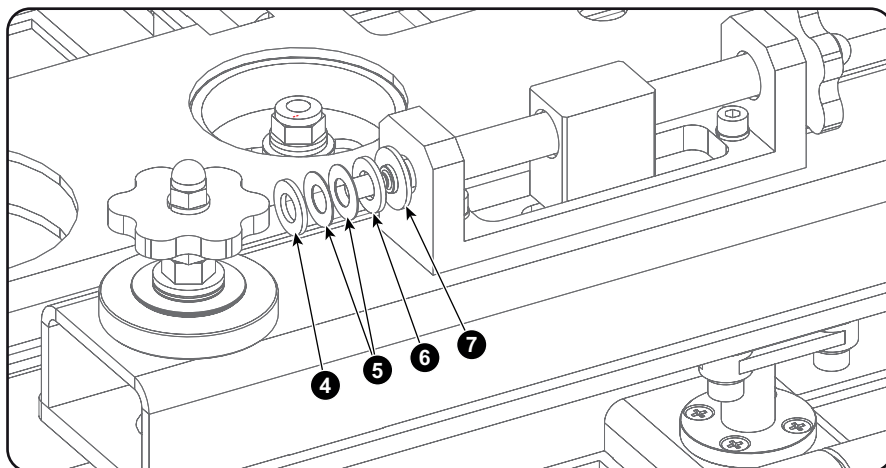


Image 2-5

5. Unscrew the threaded rod (reference 8, image 2-6) from the horizontal adjustment mechanism. Note that two plastic mounting parts (reference 7, image 2-6) will come with the rod.

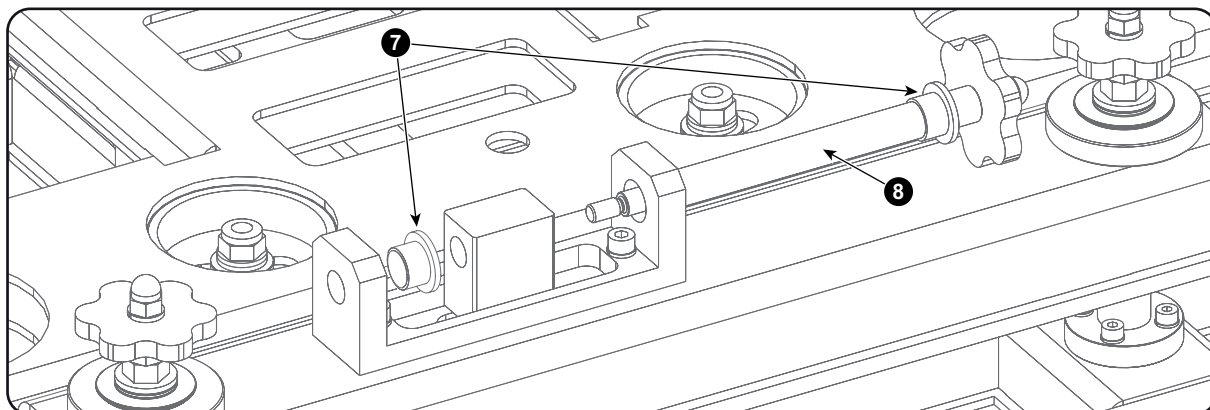


Image 2-6

6. Remove the block guidance from the slot.

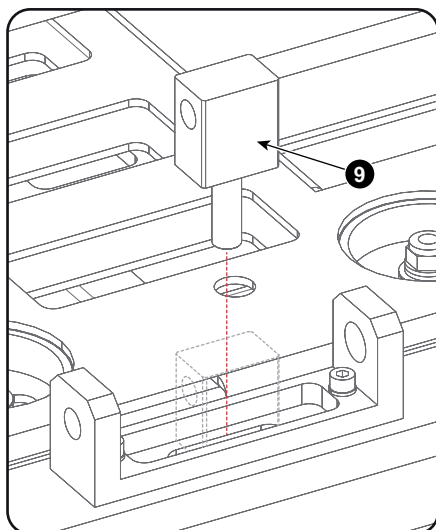


Image 2-7

7. Remove the inner frame from the base. Do this by turning the two vertical adjustment knobs counterclockwise out of the base.
Caution: While unscrewing, support the inner frame at the front side so it stays horizontally parallel with the outer frame!

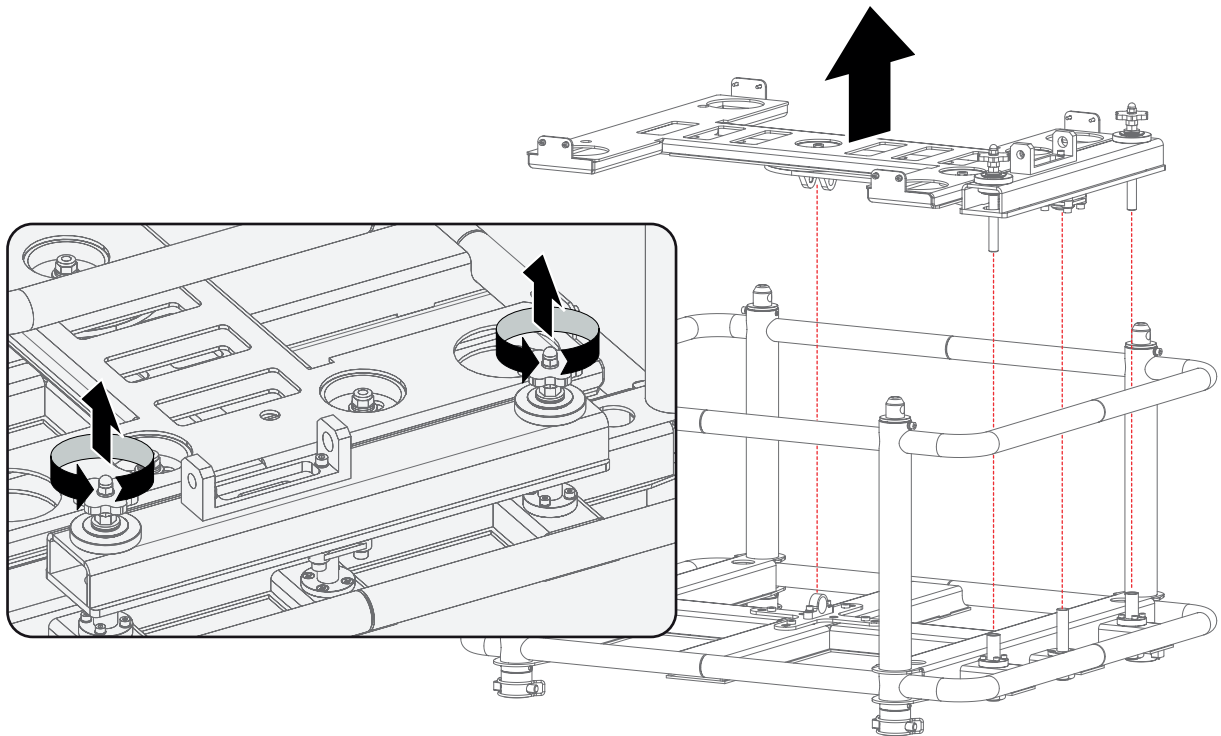


Image 2-8

2.3 Replacing the pillow block bearing

Necessary tools

6 mm Allen wrench

How to replace the pillow block bearing?

1. Remove the screws with washer and lock washer (reference 16, 17 & 18, image 2-9). Use a 6 mm Allen wrench.
2. Remove the pillow block bearing and replace with the new one (reference 19, image 2-9).
3. Install the screws with washer and lock washer (reference 16, 17 & 18, image 2-9). Use a 6 mm Allen wrench.

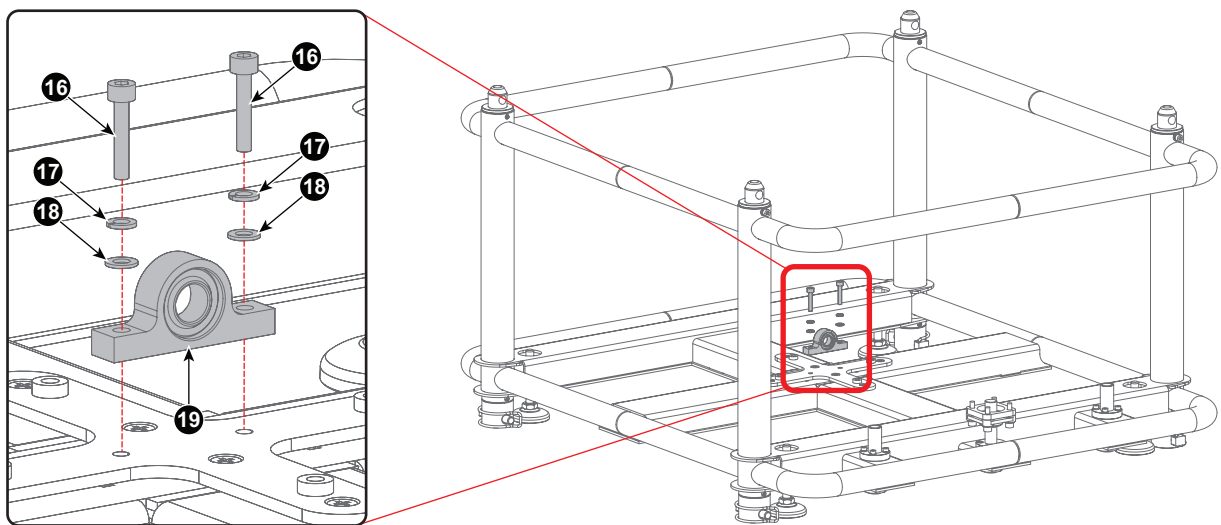


Image 2-9

2.4 Installing the inner frame on the base

How to install the inner frame on the base?

1. Install the inner frame upon the base. Do this by turning the two vertical adjustment knobs clockwise inside of the base. Turn the knobs until the inner frame fits in the center with the outer frame and the inner frame is horizontally aligned with the outer frame.

Caution: Ensure that the threaded rods (reference 13) matches with the mounting holes in the base.

Caution: While installing, support the inner frame at the front side so it stays horizontally parallel with the outer frame!

Tip: Add a small amount of grease on the threaded rods (reference 13) for easier installation.

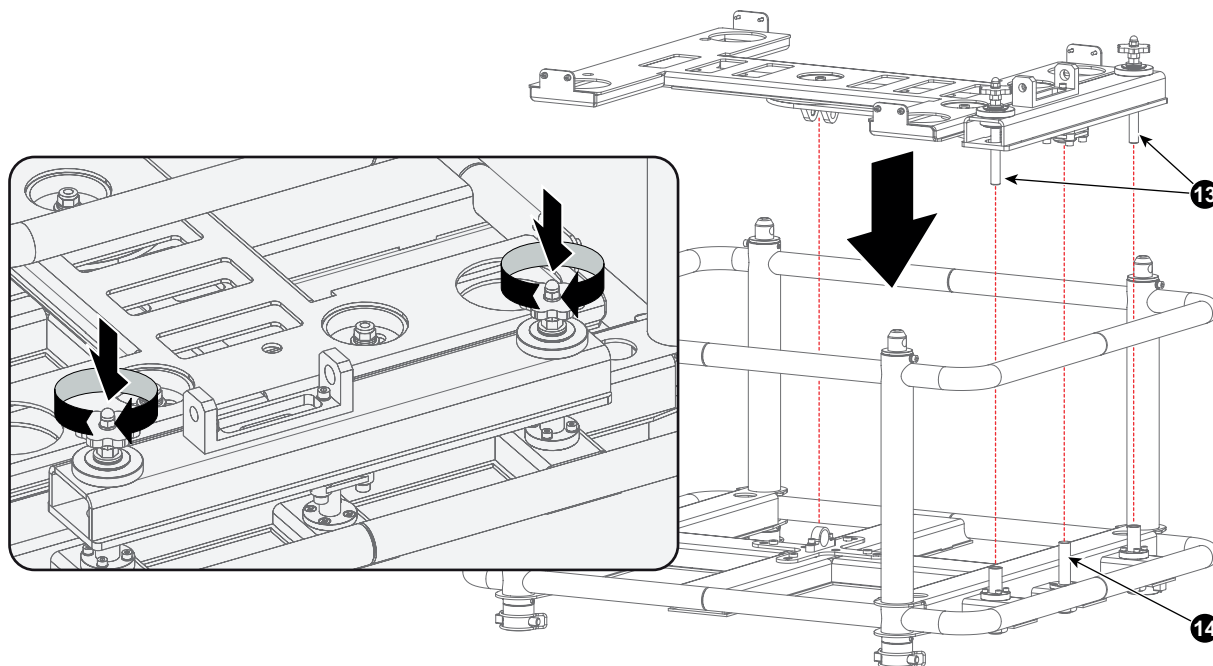


Image 2-10

Caution: Ensure that the black pin (reference 14) on the outer frame matches with the ball bearing (reference 15) in the inner frame. Do not press out the bearing ball!

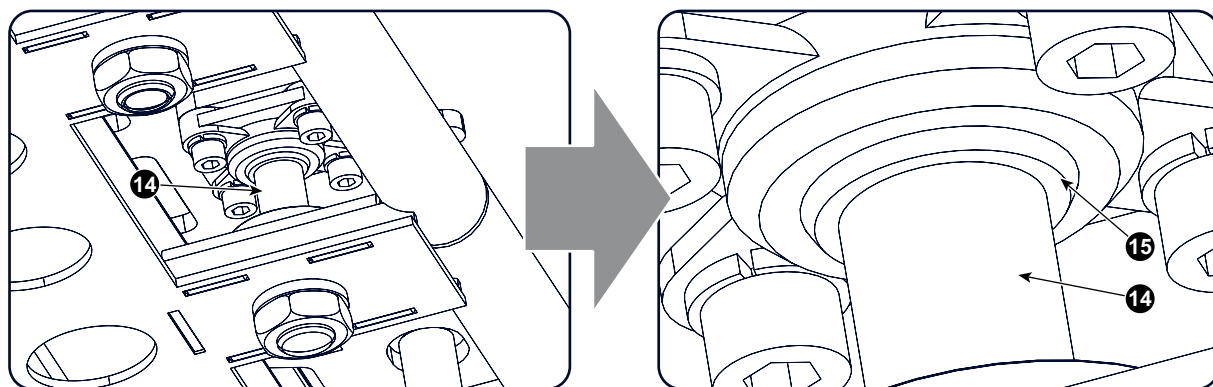


Image 2-11

2. Insert the block guidance into the slot as illustrated. Ensure that the pin of this block captures the steering hole in the inner frame as illustrated below.

2. Installation procedures

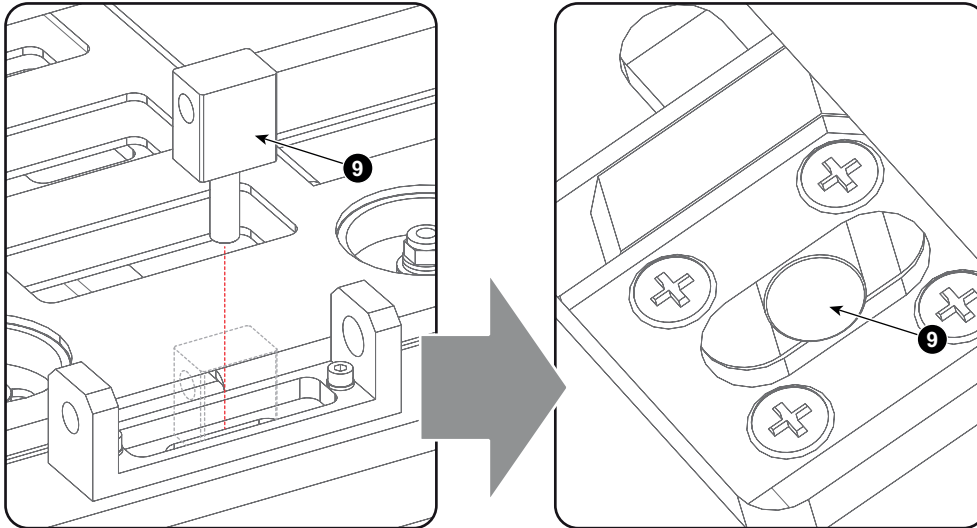


Image 2-12

3. Insert the threaded rod (reference 8, image 2-13) into the horizontal adjustment mechanism as illustrated. Ensure that the two plastic mounting parts (reference 7, image 2-13) are mounted on the rod as illustrated.

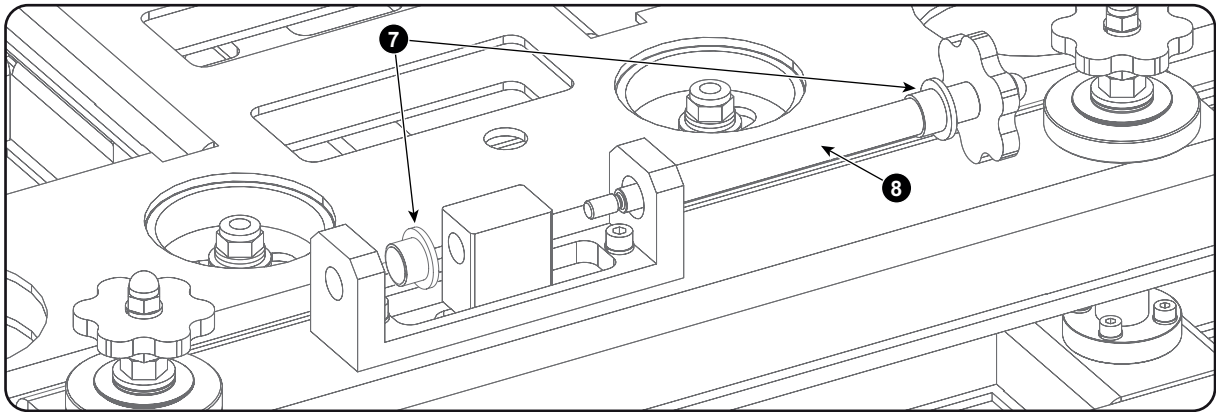


Image 2-13

4. Install the spacers and small mounting parts (reference 4 to 7, image 2-14) on the adjustment rod as illustrated. Ensure that both disc springs are facing each other, see reference 5 in detail of image 2-14.

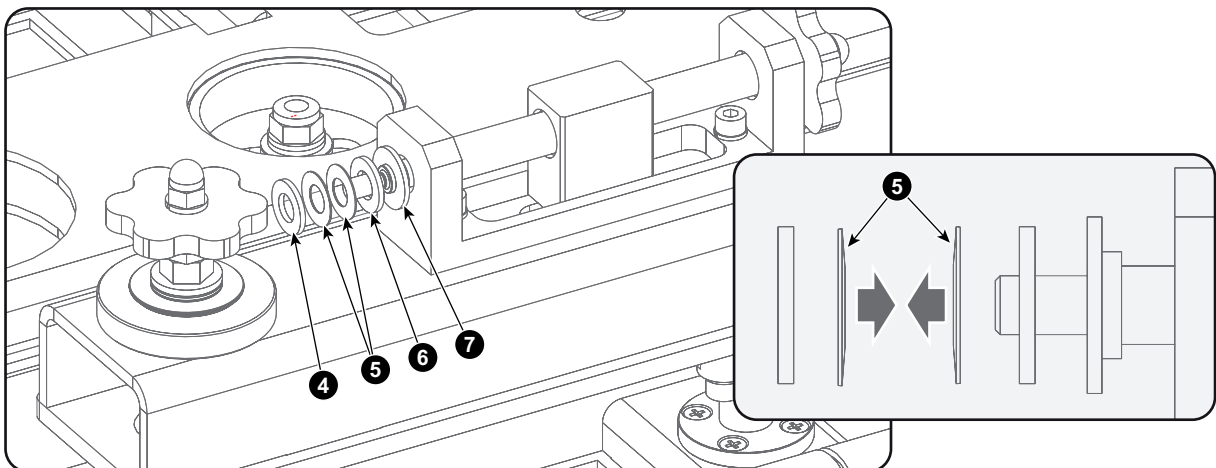


Image 2-14

5. Fasten the two nuts (reference 1, image 2-15) at the left side of the horizontal adjustment mechanism. Use two 10 mm open end wrenches.

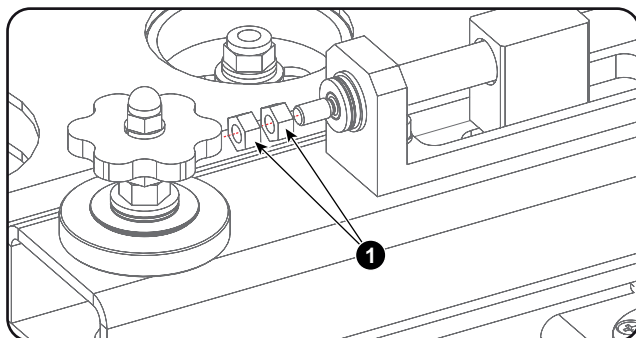


Image 2-15

6. Install the bolt, nut and washer (reference 12, 10 & 11, image 2-16) from the joining point between base and inner assembly. Use a ratchet with 17 mm hexagon socket and a 6 mm Allen wrench.

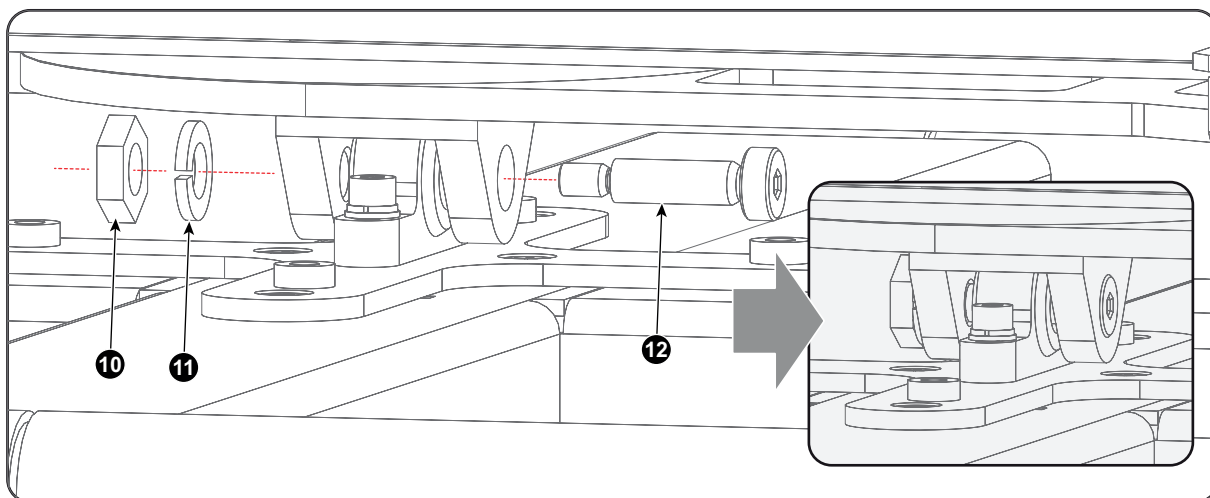


Image 2-16

7. Fasten the two hexagon socket head cap screws (reference 1, image 2-17) at the bottom of the multifunctional frame as illustrated. Use a 5 mm Allen wrench. Ensure that each bolt is provided with a washer (reference 2).

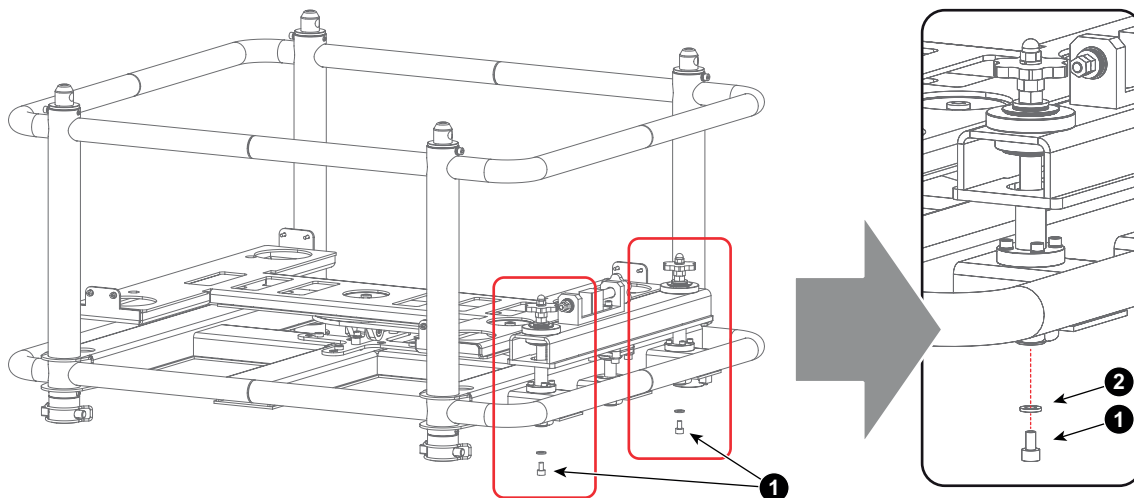


Image 2-17

2.5 Installing the projector onto the multifunctional frame

Necessary tools

- Phillips screwdriver
- 5 mm Allen wrench

Necessary parts

8 hexagon socket head screws M6 x 12

How to install the projector onto the multifunctional frame?

1. Remove the 8 screws (reference 1, image 2-18) (2 screws on each corner of the projector).
2. Position the projector (reference 2, image 2-18) in the multifunctional frame (reference 3, image 2-18). The 4 projector feet (reference 4, image 2-18) (1 foot on each corner of the projector) must fit into the notches (reference 5, image 2-18) in the multifunctional frame.

Tip: Position the projector in such way that the rear side of the projector (connections side) and the rear side of the multifunctional frame correspond.

3. Mount the projector on the multifunctional frame by tightening the 8 hexagon socket head screws (reference 6, image 2-18) (4 on each side of the projector).

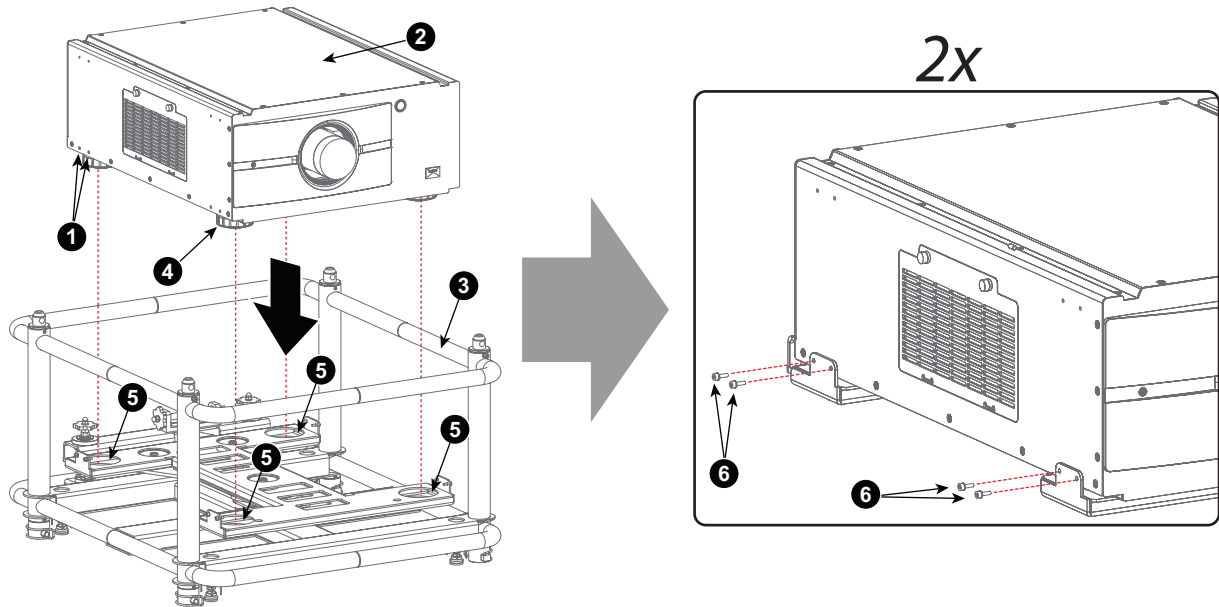


Image 2-18