

## **UNIVERSAL PROJECTOR MOUNT MV-PROJSP**

# Important Notes

Thank you for purchasing the Mustang Universal Ceiling Mounting kit.

This bracket is suitable for over 80% of projectors up to 15kg (33lbs).

**Please read these instructions before commencing installation as faulty installation could be dangerous.**

**Mustang assumes no responsibility for faulty installation.**

This bracket supports up to 15kg (33lbs).

It is dangerous to overload this bracket.

This bracket must be fixed to a strong surface (wood or metal stud, brick or solid masonry) and should be mounted above eye to prevent injury.


## **WARNING**

This symbol indicates incorrect handling. Ignoring this symbol can result in the possibility of personal injury or even death.

## **CAUTION**

This symbol indicates incorrect handling. Ignoring this symbol can result in the possibility of personal injury and physical death.

 This symbol indicates additional cautions (including warnings).

 This symbol indicates forbidden actions.

 This symbol indicates required actions.



Caution  
general

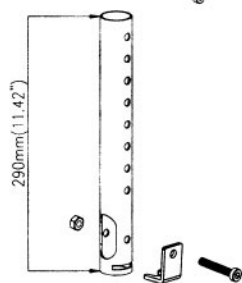
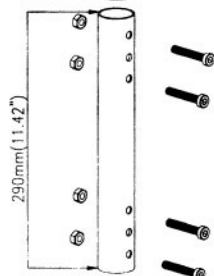
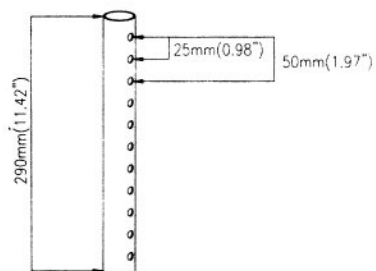
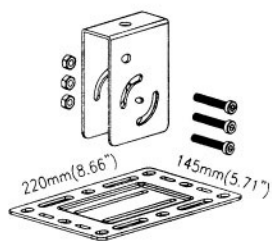


Forbidden  
general



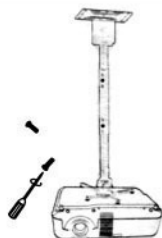
Required  
general

# General Assembly

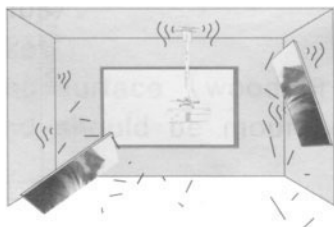


# Warning

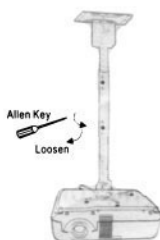
- Assembling without the correct use of bolts and screws at designated points may result in injury and damage to properties or the unit collapsing from its installed position.
- All bolts and screws must be used according to installation instructions.
- Check and ensure the ceiling where you install can support the weight of the projector and ceiling mounting.



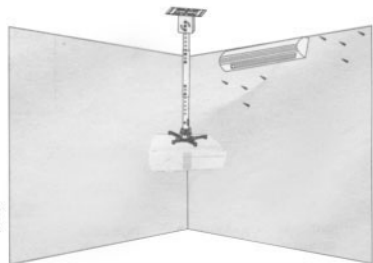
- Steps should be taken to ensure that the ceiling and installed unit can withstand external forces like earthquakes vibrations etc.



- All Ceiling Mounting Bracket<sup>s</sup> are to be firmly secured.
- Do not remove any bolts and screws from the Ceiling Mounting Brackets or do any changes to the Ceiling Mounting Brackets.

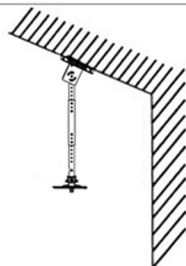


- Do not install near an air conditioner or area where there is excessive dust and smoke.
- Do not install in location where room temperature and humidity are excessively high to prevent fire outbreak.
- To prevent the fire and avoid of contacting with water.

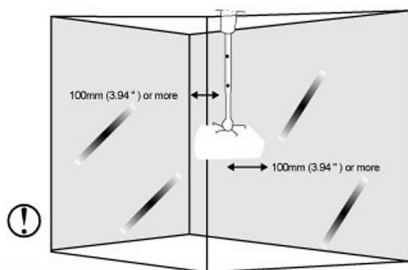


# Warning

- Can be assemble on the sloping surface.
- The column should be in vertical position.



- Keep the room well ventilated to prevent room temperature from rising and possibilities of fire occuring.



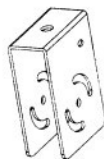
- Ensure that the Projector is firmly mounted so that it is not possible for undue load to the bracket.



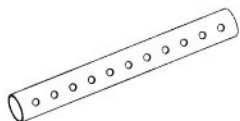
# Component Checklist



**Part 1**  
Mounting Plate. .... 1pc



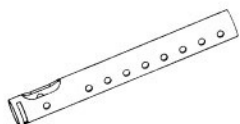
**Part 2**  
Fixing Coupler. .... 1pc



**Part 3**  
Top Column. .... 1pc



**Part 4**  
Mid Column. .... 1pc



**Part 5**  
Bottom Column. .... 1pc



**Part 6**  
Shaft. .... 1pc



**Part 7**  
Locking Hook. .... 1pc



**Part 8**  
Cross Adapter. .... 1pc



**Part 9**  
M8 Nut. .... 1pc



**Part 10**  
M8 Spring Washer. .... 4pcs



**Part 11**  
Bottom Spacar. .... 4pcs



**Part 12**  
Square Nut. .... 8pcs

# Component Checklist

## Part 13

M5x10  
Socket Button Cap Screw. . . . . 8pcs



## Part 14

M6x12 Carriage Bolt. . . . . 2pcs



## Part 15

M8 Self Locking  
Nylon Nut. . . . . 8pcs



## Part 16

M6 Serrate Flang Nut. . . . . 2pcs



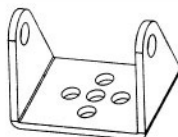
## Part 17

Extension Bracket  
50mm. . . . . 2pcs  
75mm. . . . . 2pcs  
100mm. . . . . 2pcs  
150mm. . . . . 2pcs



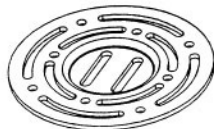
## Part 18

U joint Bracket. . . . . 1pc



## Part 19

General Base Plate. . . . . 1pc



## Part 20

Truss Head Screw  
M4x15 M4x20 M4x25. . . . . 4pcs each  
M5x15 M5x20 M5x25. . . . . 4pcs each  
M6x15 M6x20 M6x25. . . . . 4pcs each



## Part 21

Socket Cap Screw  
M8x15. . . . . 2pcs  
M8x50. . . . . 8pcs  
M8x65. . . . . 1pcs



## Part 22

Washer  
1mm. . . . . 4pcs  
2mm. . . . . 4pcs  
4mm. . . . . 4pcs



## Part 23

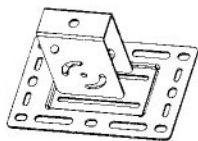
Allen Key  
Φ 3. . . . . 1pc  
Φ 6. . . . . 1pc



# Installation Guide

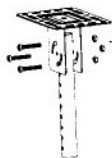
## Assembly Procedure—Installation of Suspension Rod

A



Install Mounting Plate and Fixing Coupler.

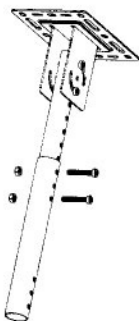
B



Install Column with M8x50 Socket Cap Screw and M8 Self-Locking Nylon Nut. Fix Mounting Plate and Fixing Coupler together.

C

To Install Mid Column:  
First align two holes on the Mid Column at the suitable holes on the Top Column, tighten them with M8x50 Socket Cap Screw and M8 Self-Locking Nylon Nut. Refer to drawing.



D

To Install Bottom Column:  
First align two holes on the Mid Column at the suitable holes on the Bottom Column, and tighten them with M8x50 Socket Cap Screw and M8 Self-Locking Nylon Nut. Refer to drawing.





# Installation Guide

E

Install Shaft:  
Connect the shaft with the Bottom Column, insert the Locking Hook into the cutting slot.  
Then, Tighten them with M8x50 Socket Cap Screw and M8 Self Locking Nylon Nut.  
Refer to drawing.



F

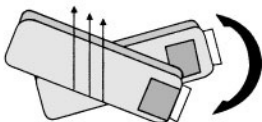
Install Cross Adapter:  
Fix Cross Adapter and Mounting Plate together with M8x65 Socket Cap Screw and M8 Nut.  
Refer to drawing.



## Parts Assembly-Installation of Universal Base

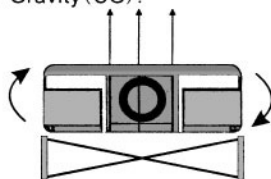
G

Lift the Projector with both middle finger along the depth of the Projector to search for the Centre of Gravity (CG).



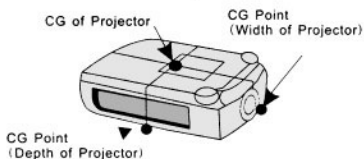
H

Lift the Projector with both middle finger along the depth of the Projector to search for the Centre of Gravity (CG).



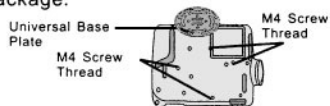
I

When the CG Point (Depth of Projector) and (Width of projector) intersection meet, that will be the assume CG of Projector.



J

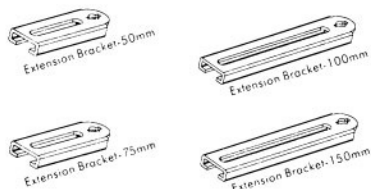
Locate the Projector's CG Position and determine screw size for mounting the Projector. Place the Universal Base Plate near to the Projector CG and select a suitable Extension Bracket given in the package.



# Installation Guide

**M**

Select a suitable Extension Bracket from the Package. There are 4 sizes available as shown.



**N**

Select a suitable Extension Bracket and place it on the Projector near the CG position follow by the Universal Base Plate. Make sure the Extension Bracket can be assemble to the Universal Base Plate.



**O**

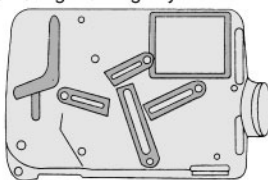
Assemble the selected Extension Bracket with the following items: Bottom Spacer, Spacer (if needed) & Square Nut.

For Extension Bracket more than 50mm (1.97"), (use 4 Square Nut)



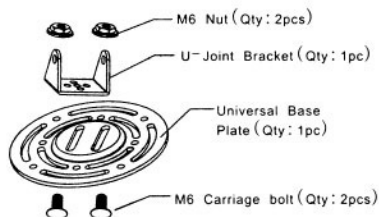
**P**

Assemble the respective Extension Bracket to the Projector as shown in the picture. Using respective Truss Head Screw from the given package to tighten lightly.



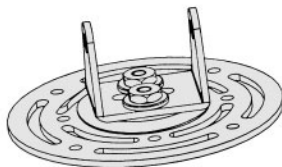
**Q**

Assemble the Universal Base Plate with the required items as shown in the picture.



**R**

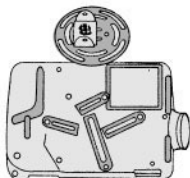
A Fully assembled Universal Base Plate is as shown in the picture. Do not tighten the M6 Nut until the CG is finalized.



# Installation Guide

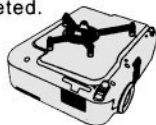
**S**

Align the assembled Universal Base Plate with all the Extension Bracket as shown in the picture. Using M5 Button Socket Cap Screws to hand tighten it.



**T**

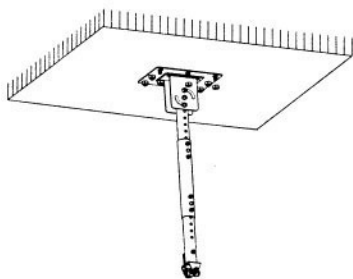
Attach the Assembled Parts as in step (F) to the Universal Base Plate as shown. Lift up the Projector to check the CG of the assembly before force tightening the M5 Button Socket Cap Screws and the M6 Nut. The assembly process is then completed.



## Installation of Ceiling Mounting Kit

**U**

Install the Universal Ceiling Mounting Kit to the ceiling. Fix Suspension Rod by M10 expansion bolt (not included) on the ceiling. Refer to drawing.



**V**

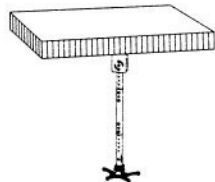
Install Universal Base and Projector. Use M8X15 Socket Cap screws to fix U-Joint Bracket and Cross Adapter properly, with M8 Spring Washer inserted. Refer to drawing.

Put screw into cross adapter by this hole.



**W**

Installation completed.



Due to continuous product development, the manufacturer reserves the right to alter specifications without notice.  
Published Sep 2006

**MUSTANG**

All Rights Reserved. Unauthorized Copying and Reproduction are prohibited.