

INSTALLATION MANUAL



38-817001-01 SERIES PROJECTOR MOUNT BASE BOX ASSEMBLY -20RL



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Warning Statements

- WARNING:** THE CEILING STRUCTURE MUST BE CAPABLE OF SUPPORTING AT LEAST FIVE (5) TIMES THE WEIGHT OF THE PROJECTOR. IF NOT, THE CEILING MUST BE REINFORCED. PROPER INSTALLATION PROCEDURE BY A QUALIFIED SERVICE TECHNICIAN, AS OUTLINED IN THE INSTALLATION INSTRUCTIONS, MUST BE ADHERED TO. FAILURE TO DO SO COULD RESULT IN SERIOUS PERSONAL INJURY, OR EVEN DEATH.
- WARNING:** SAFETY MEASURES MUST BE PRACTICED AT ALL TIMES DURING THE INSTALLATION OF THIS PRODUCT. USE PROPER SAFETY GEAR AND TOOLS FOR THE INSTALLATION PROCEDURE TO PREVENT PERSONAL INJURY.
- WARNING:** PRIOR TO THE INSTALLATION OF THIS PRODUCT, THE INSTALLATION INSTRUCTIONS SHOULD BE READ AND COMPLETELY UNDERSTOOD. THE INSTALLATION INSTRUCTIONS MUST BE READ TO PREVENT PERSONAL INJURY AND PROPERTY DAMAGE. KEEP THESE INSTALLATION INSTRUCTIONS IN AN EASILY ACCESSIBLE LOCATION FOR FUTURE REFERENCE.



Indicates that the power plug is to be disconnected from the power outlet.



Contact Christie Digital Systems with any questions.



Safety precautions must be taken at all times.



Warning and Caution statements.



A secure structure must support the weight, or load, of the projector. When mounting to a ceiling that contains wooden studs, dead center of the wooden stud must be confirmed prior to installation.



Do not install on a structure that is prone to vibration, movement or chance of impact. Failure to do so could result in damage to the projector and/or damage to the mounting surface.



Do not install near heater, fireplace, direct sunlight, air conditioning or any other source of direct heat energy. Failure to do so may result in damage to the projector and could increase the risk of fire.



At least two qualified people should perform the installation procedure. Injury and/or damage can result from dropping or mishandling the projector.

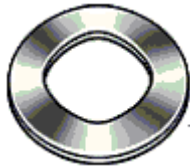


Recommended mounting surfaces: wooden studs and solid-flat concrete. If the mount is to be installed on any surface other than wooden studs, use suitable hardware (which is commercially available).

Parts List

NOTE: This mount is shipped with all proper installation hardware and components. Make sure that none of these parts are missing and/or damaged before beginning installation. If there are parts missing and/or damaged, please stop the installation and contact Christie Digital Systems (800-221-8025).

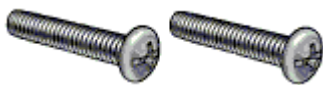
Security Crush
Washer (1ea)



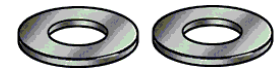
M6 x 12mm Angle
Securing Bolts (4ea)



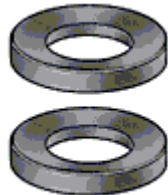
M6 x 12mm Hinge
Pin Bolts (2ea)



Flat Washers (2ea)



Conical Spacers
(2ea)



Installation Tools

Phillips Head Screw Driver
Soft Material/ Blanket
Level
Wrench with 1/2" Drive Socket

Portable Drill
Pencil
Tape Measure
Stud Finder (Commercially Available)Ladder

Base Box Assemblies

The installation instructions should be fully read and understood, including all of the safety symbols and safety precautions, before beginning installation, to prevent personal injury or property damage. Keep these installation instructions in an easily accessible location for future reference.

All base boxes feature the following adjustments to facilitate ease of installation:

- A. Tilt of $\pm 6^\circ$ from center
- B. Roll of $\pm 3^\circ$ from center
- C. Yaw of $\pm 360^\circ$ when used with 1 1/2" or 1" mount threaded pipe
- D. Direct mating with standard 1 1/2" and 1" mount threaded pipe



Ceiling Installation – 20RL

1. Separate the upper bridge from the base box by removing the six (6) M5 x 12 mm screws that are located on the base box, three on each side (A).
2. Secure the top bridge to the ceiling structure at this time (see warning label) using commercially available hardware (B).
3. Use the two (2) middle slot openings for single wood stud mounting. All other mounting points on the top bridge may be used depending on your installation environment application (B).
4. Replace the bottom base box to the secured top bridge and secure with the six M5 x 12 mm screws (D).

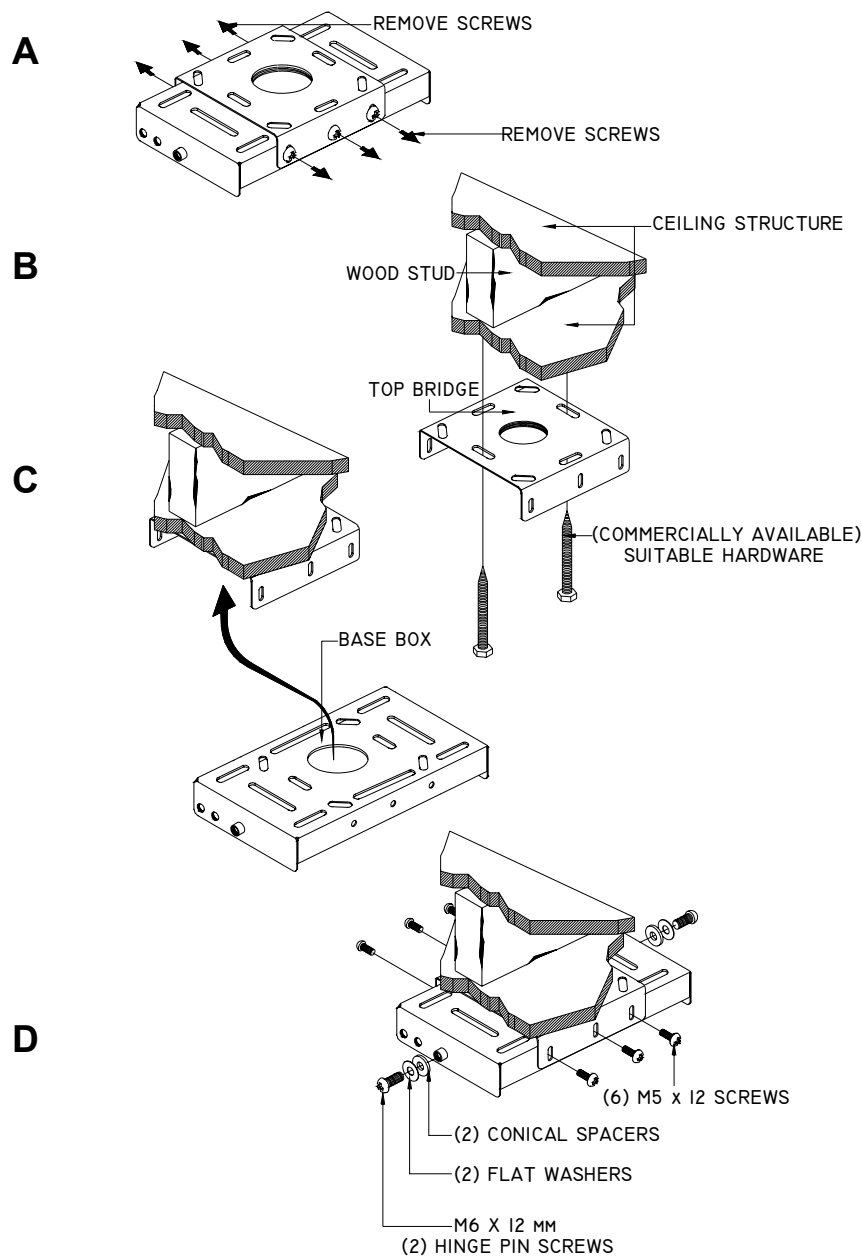


Figure 1. Ceiling Installation – 20RL

5. Loosely install the hinge pin screws, flat washer and conical spacer to each side of the base box.
6. Slide the conical spacer and the flat washer to the back of the screws.
7. Raise the 38-817001-01 mounting bracket and attach to the projector's chassis and insert the hinge-pins through the hinge-pin openings. (See the 38-817001-01 Installation sheet on how to hold the mounting bracket to the projector.)
8. Raise the rear of the projector and install the four (4) M6 x 12 mm angle locking screws to the rear of the base box. Adjust the angle and lock it.
9. Tighten the two (2) M6 x 12 mm hinge pin screws (Figure 2).

CAUTION: Do not over tighten the screws.

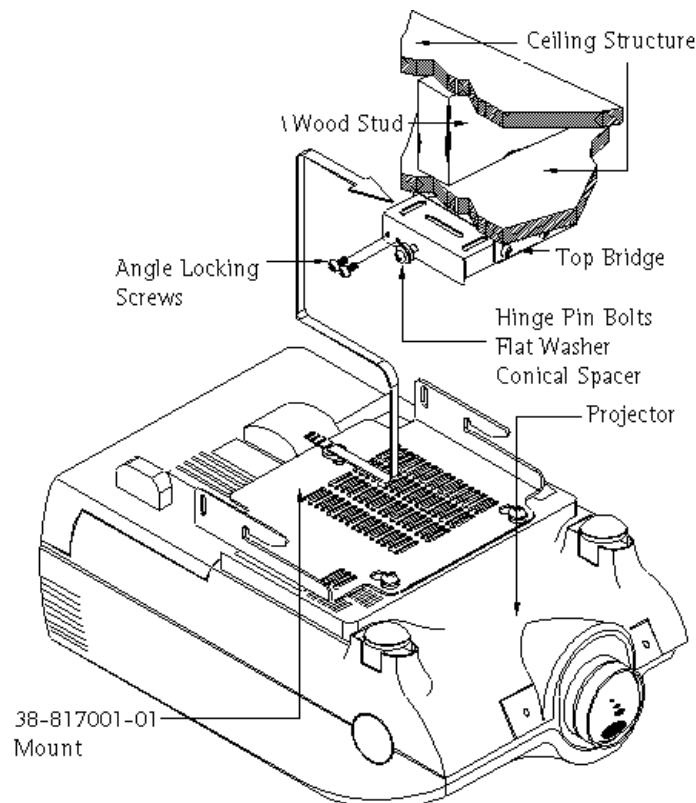


Figure 2. Projector Mount

NOTE: Make the final tilt and roll adjustments at this time.

Pipe Extender and Pipe Reducer

NOTE: If installing an extension, a pipe reducer is required. Secure the pipe extender or 1½" (NTP) pipe from the ceiling structure (refer to its installations).

1. Refer to the 38-817001-01 series installations instructions at this time.
2. Install the jam screw all the way up to the end of the threads of the threaded pipe extender or 1½" (NTP) pipe.
3. Screw in the 1½" bridge opening to the pipe extender or 1½" (NTP) pipe all the way up to the jam screw.
4. Tighten the jam screw and the base box together.
5. Loosely install the hinge pin screws, flat washer and conical spacer to each side of the base box.
6. Slide the conical spacer and the flat washer to the back of the screws.
7. Raise the 38-817001-01 mount, attached to the projector's chassis, and insert the hinge-pins through the hinge-pin openings.
8. Raise the rear of the projector and install the four (4) M6 x 12 mm angle locking screws to the rear of the base box; adjust the angle and lock it.
9. Tighten the two (2) M6 x 12 mm hinge pin screws.

CAUTION: Do not over tighten the screws.

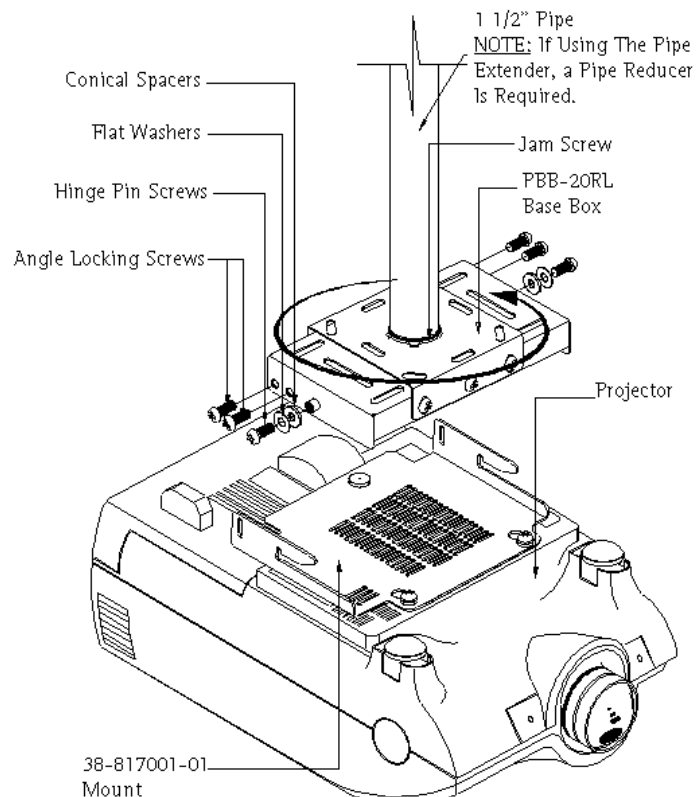


Figure 3. Pipe Extender or 1 1/2" Pipe

Troubleshooting Procedures

QUESTION: My projector mount must be set at an angle to be viewed properly on the wall, but the projector will not hold at this position. Why is this?

ANSWER: The angle adjustments are not tight; they must be tightened.

QUESTION: Why won't my bracket fit my projector?

ANSWER: There may be several mounting positions for your particular bracket. Try to line up the holes on the bracket with the mounting points on the projector. If this still does not solve the problem, then contact Customer Service and advise them of the situation.

Technical Specifications

All measurements are inches (mm).

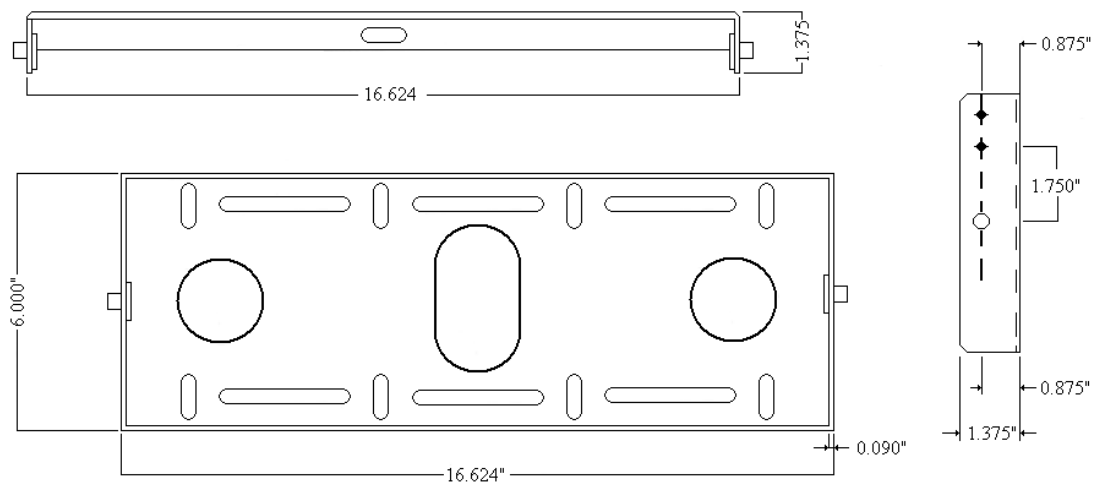


Figure 6. Technical Dimensions

Warranty

Limited Lifetime Warranty

All Christie Digital Systems products carry a limited lifetime warranty from ship date against defects in materials and workmanship. Christie Digital Systems is not liable for improper installation that results in damage to mounts, adapters, display equipment or personal injury.

Contact Christie Digital Systems

In the event of missing and/or damage equipment, or technical questions, the following information can help in the completion of the installation.

Technical Support – 1-800-221-8025

Notes