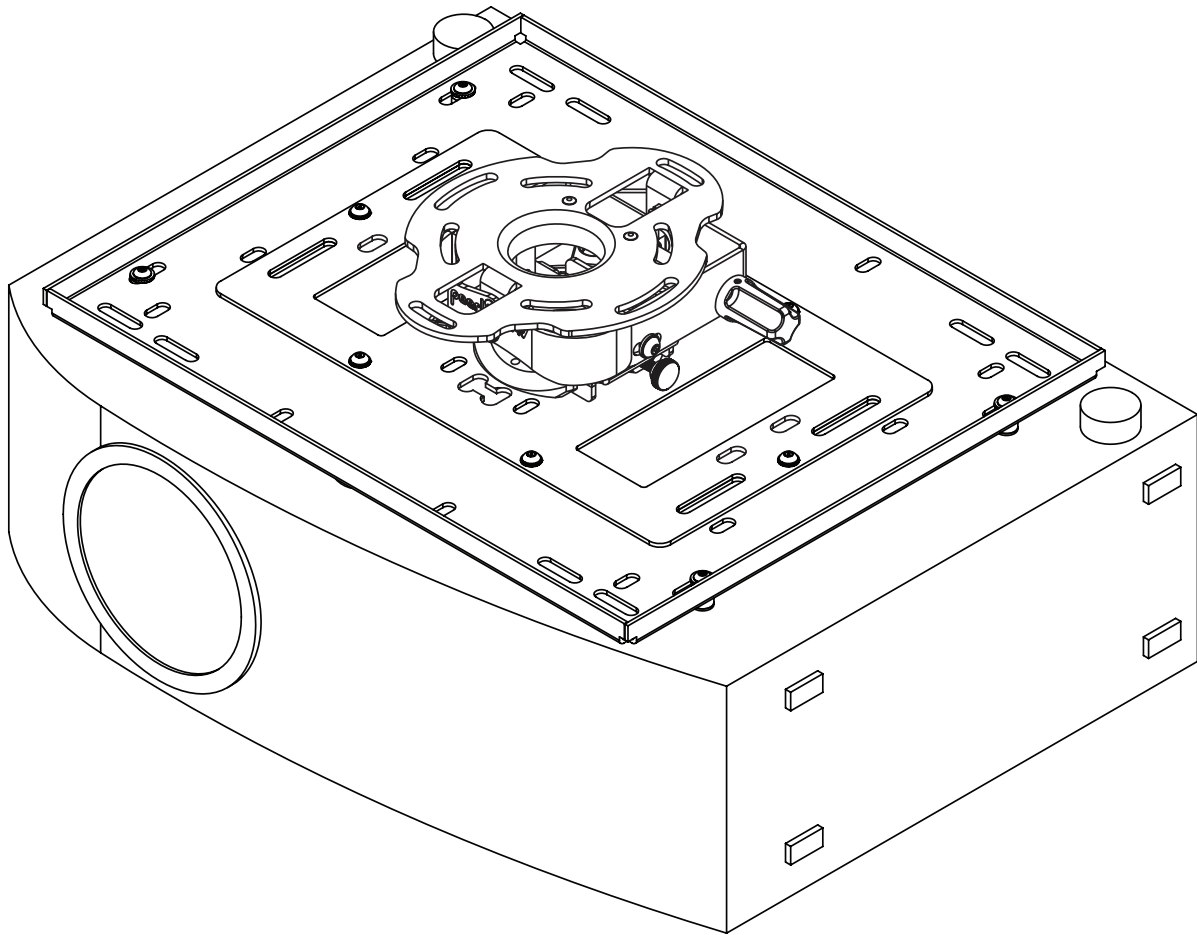


Installation and Assembly:

ADVANCED PROJECTOR CEILING MOUNT WITH PRECISION GEAR

Model: ELPMBPRG, ELPMBPRG-B



ENG	Compatible with:	ELPMB01 ELPMBP01 ELPMBP02 ELPMBP03
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UL US LISTED
Max UL Load Capacity:
50 lb (22.7 kg)

NOTE: Read entire instruction sheet before you start installation and assembly.

WARNING

- Do not begin to install your Peerless product until you have read and understood the instructions and warnings contained in this Installation Sheet. If you have any questions regarding any of the instructions or warnings, call Peerless customer care at 1-800-865-2112.
- This product should only be installed by someone of good mechanical aptitude, has experience with basic building construction, and fully understands these instructions.
- Make sure that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.
- Never exceed the Maximum UL Load Capacity.
- Always use an assistant or mechanical lifting equipment to safely lift and position equipment.
- Tighten screws firmly, but do not overtighten. Overtightening can damage the items, greatly reducing their holding power. See suggested torque values where applicable within these instructions.
- This product is intended for indoor use only. Use of this product outdoors could lead to product failure and personal injury.

Tools Needed for Assembly

- stud finder ("edge to edge" stud finder is recommended)
- phillips screwdriver
- drill
- 5/16" bit for concrete surface
- 5/32" bit for wood joist
- 3/8" (10 mm) socket wrench

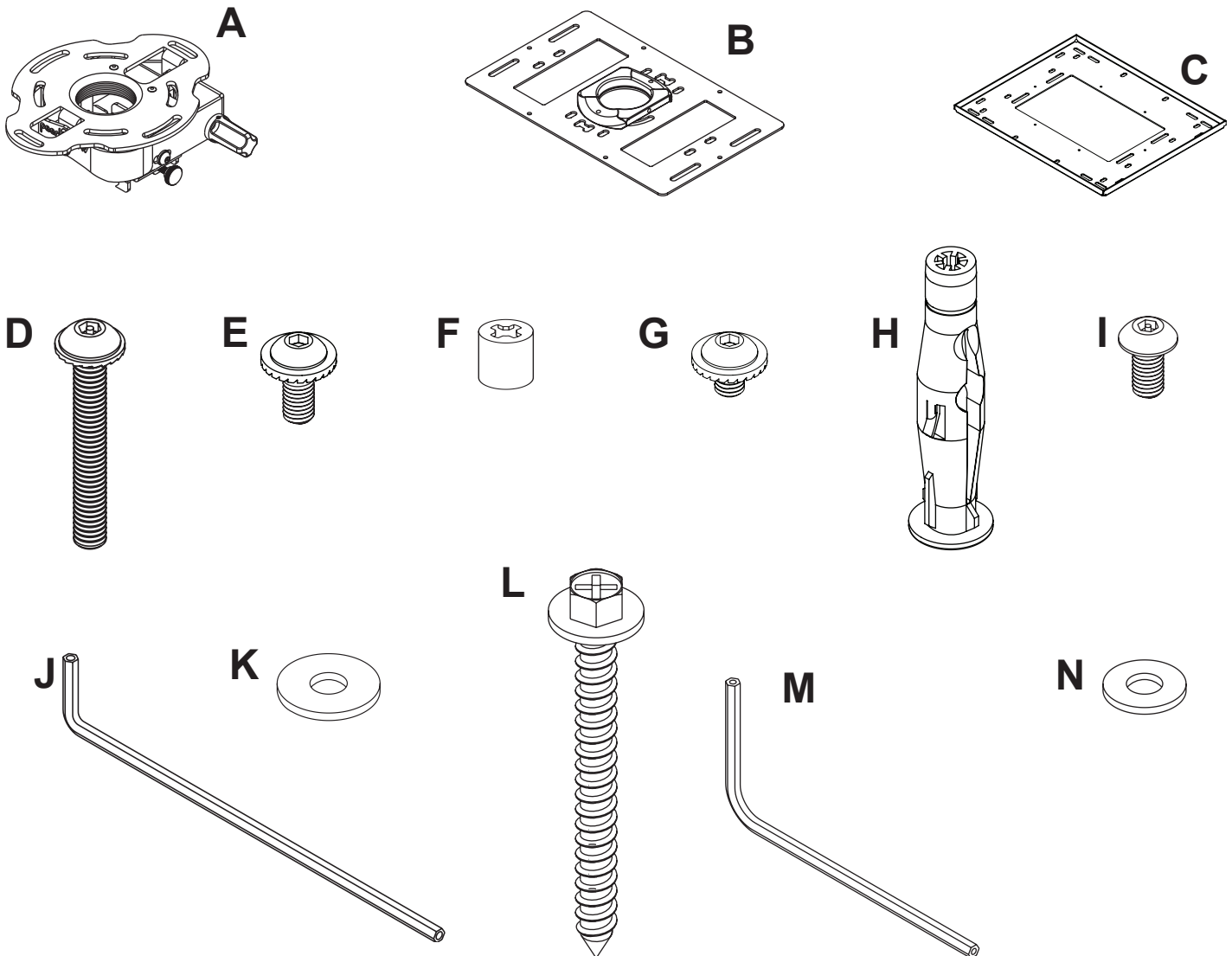
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Before you start check the parts list to ensure all of the parts shown are included.

Parts List			ELPMBPRG	ELPMBPRG-B
Description	Qty	Part #	Part #	Part #
A projector mount assembly	1	580-2300	580-1300	
B adapter plate	1	056-2065	056-1065	
C dedicated adapter plate	1	055-2871	055-1871	
D M4 x 20 mm socket pin serrated washer head screw	4	510-2163	510-1061	
E #10-32 x 3/8" socket pin serrated washer head screw	2	520-2151	520-1151	
F 3/8" spacer	4	590-2150	590-1150	
G M4 x 6 mm socket pin serrated washer head screw	6	510-2059	510-1059	
H concrete anchor	2	590-0320	590-0320	
I 10-32 x 1/4" socket pin screw with lock	1	520-2196	520-1196	
J 4 mm security allen wrench	1	560-9646	560-9646	
K washer	2	540-2078	540-1078	
L #14 x 2.5" wood screw	2	5S1-015-C04	5S1-015-C03	
M 2 mm security allen wrench	1	560-1097	560-1097	
N #10 flat washer	4	540-9442	540-9400	

NOTE: Actual parts may appear slightly different than illustrated.



Installation to Extension Column

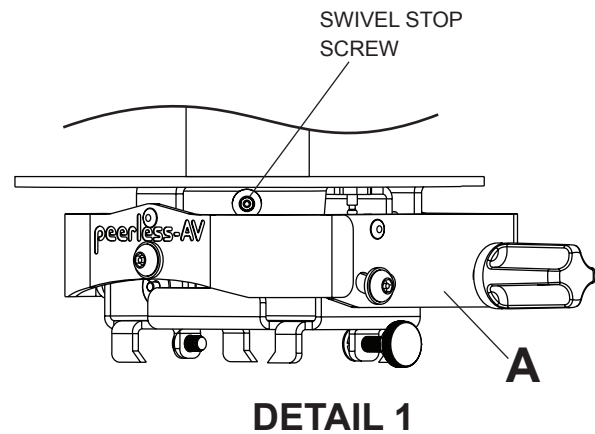
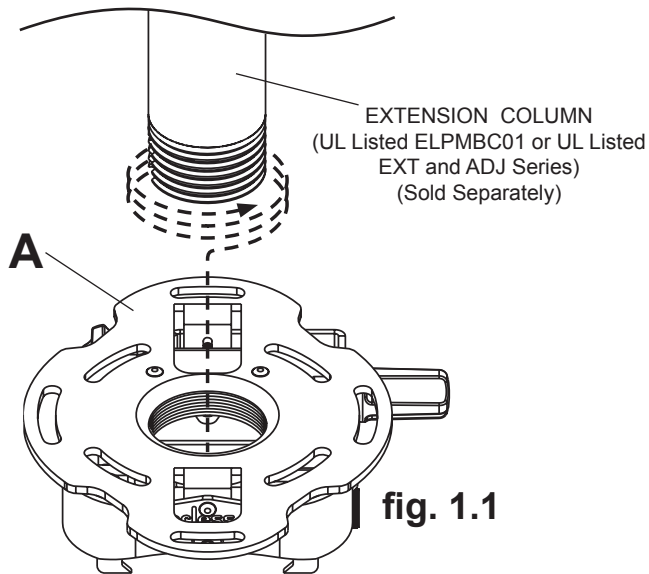
1 **NOTE:** Refer to accompanying instructions for ELPMBP01, ELPMBP02, ELPMBP03 or CMJ and ACC Series Ceiling Mounts (sold separately) for installing these models to ceiling.

Screw projector mount assembly (**A**) onto extension column as shown in figure 1.1.
Use 4 mm allen wrench (**J**) to tighten swivel stop screw.

NOTE: Swivel stop screw is used to jam against threads of extension column or flush mount tube to prevent any excess movement of projector mount assembly (**A**) as shown in detail 1. Do not overtighten screw; overtightening screw will damage threads making it difficult to separate products.

Skip to step 2.

Not Shown: UL Listed ELPMBP01, ELPMBP02, ELPMBP03 or UL Listed CMJ and ACC Series Ceiling Mounts (Sold Separately).



Installation To Wood Joist Ceilings

⚠ WARNING

- Installer must verify that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.
- Tighten wood screws so that projector mount assembly is firmly attached, but do not overtighten. Overtightening can damage the screws, greatly reducing their holding power.
- Never tighten in excess of 80 in. • lb (9 N.M.).
- Make sure that mounting screws are anchored into the center of the stud. The use of an "edge to edge" stud finder is highly recommended.
- Hardware provided is for attachment of mount through 5/8" thickness drywall or plaster into wood studs.

1 Place projector mount assembly (**A**) on ceiling as a template and mark the center of the two mounting holes. Make sure that the mounting holes are in the center of the wood joist. Drill two 5/32" (4 mm) dia. holes to a minimum depth of 2.5" (64 mm). Attach projector mount assembly (**A**) with two #14 x 2.5" (6 mm x 65 mm) wood screws (**L**) and two flat washers (**K**) as shown in figure 1.3 or figure 1.4 depending on joist orientation.

NOTE: Mounting slots on projector mount assembly allow for 30° (±15°) of swivel adjustment before fully securing wood screws.

Tighten wood screws (**L**) using 3/8" (10 mm) socket or open end wrench or phillips screwdriver until projector mount assembly (**A**) is firmly attached.

Skip to step 2.

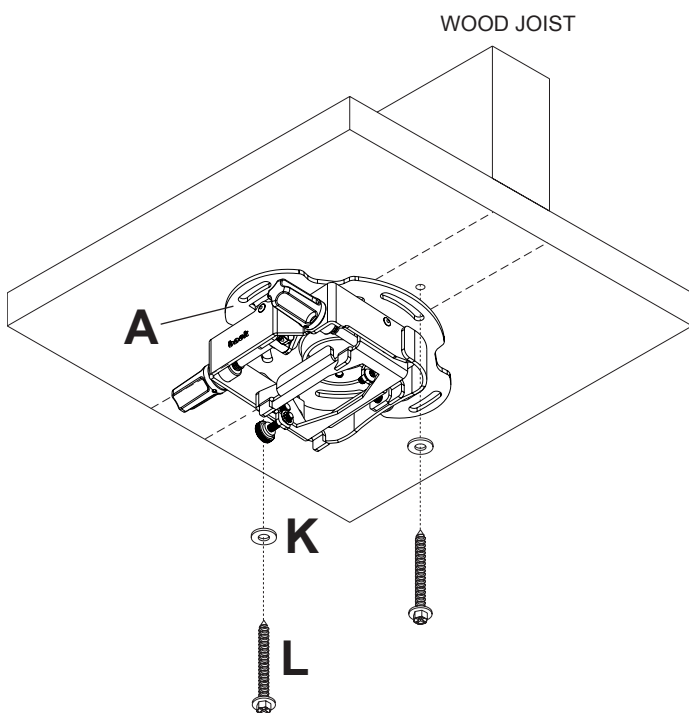


fig. 1.3

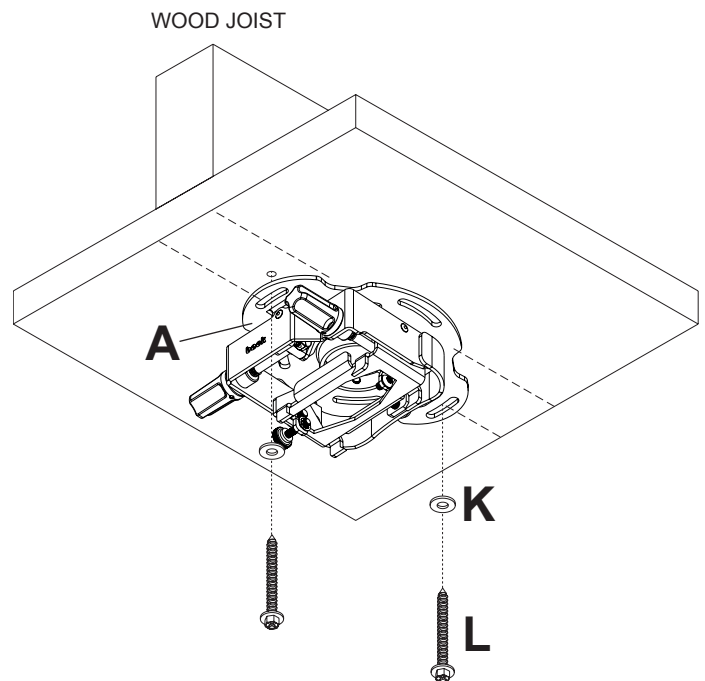


fig. 1.4

Installation to Concrete Ceilings

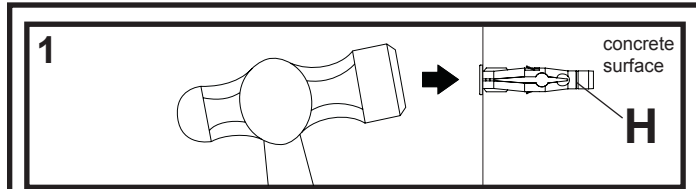
⚠ WARNING

- Never attach concrete expansion anchors to concrete covered with plaster, drywall, or other finishing material.

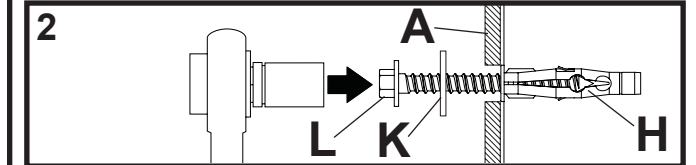
1 Place projector mount assembly (A) on ceiling as a template and mark the center of the two mounting holes. Drill two 5/16" (8 mm) dia. holes to a minimum depth of 2.5" (64 mm). Attach projector mount assembly (A) using two concrete anchors (H), two flat washers (K), and two #14 x 2.5" wood screws (L) as shown in **Illustration A** and **1, 2 and 3**.

NOTE: Mounting slots on projector mount assembly allow for 30° (±15°) of swivel adjustment before fully securing wood screws.

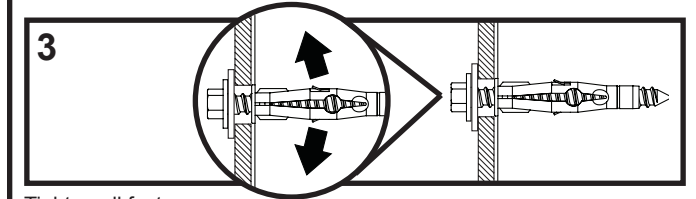
Tighten wood screws (L) using 3/8" (10 mm) socket or open end wrench or phillips screwdriver until projector mount assembly (A) is firmly attached.



Drill holes and insert anchors (H).



Place plate (A) over anchors (H) and secure with screws (L).



Tighten all fasteners.

⚠ WARNING

- Tighten wood screws firmly, but do not overtighten. Overtightening can damage the screws, greatly reducing their holding power.
- Never tighten in excess of 80 in • lb (9 N.M.).

⚠ WARNING

- Always attach concrete anchors directly to load-bearing concrete.
- Never attach concrete anchors to concrete covered with plaster, drywall, or other finishing material.

CUTAWAY VIEW

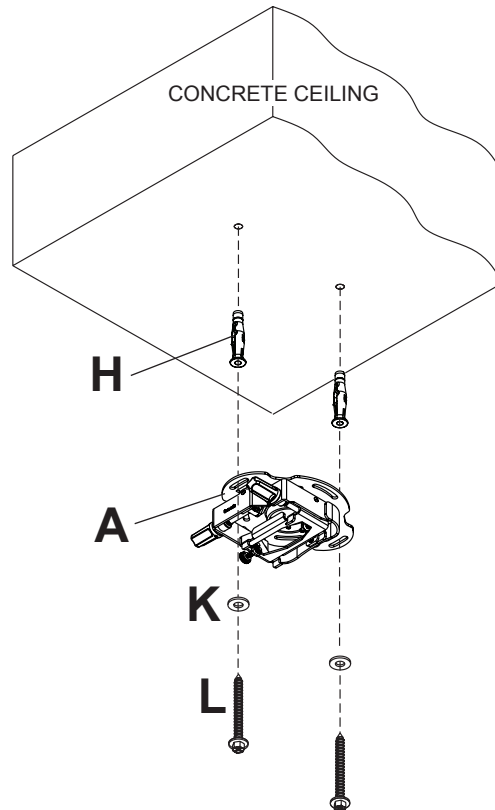
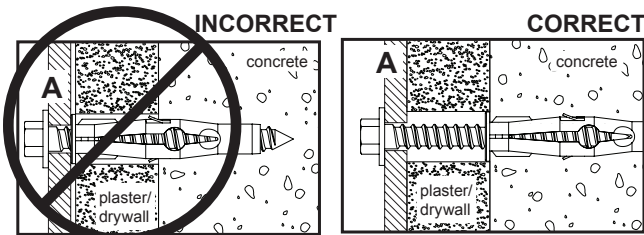


Illustration A

Installing Plates to Projector

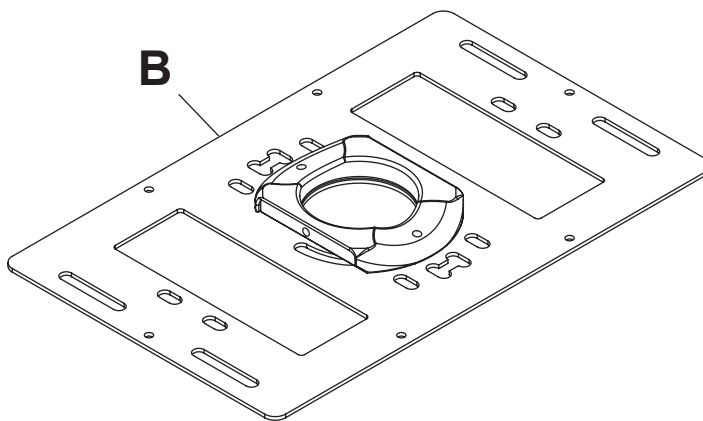
CAUTION

- All spacers shall be used where indicated. Not using spacers can cause damage to projector.
- It is the responsibility of the installer to ensure that the projector is properly ventilated.

NOTE: For all PowerLite® models, the manufacturer's product weight must be reviewed to ensure that the weight does not exceed 50 lbs.

Adapter Plate: PowerLite 92, 93, 95, 96W, 905, 915W, 1835, 410W, 1750, 1760W, 1770W, 1775W, 1830, 1915, 1925W, S17, X17, W17, 97, 98, 99W, 955W, 965

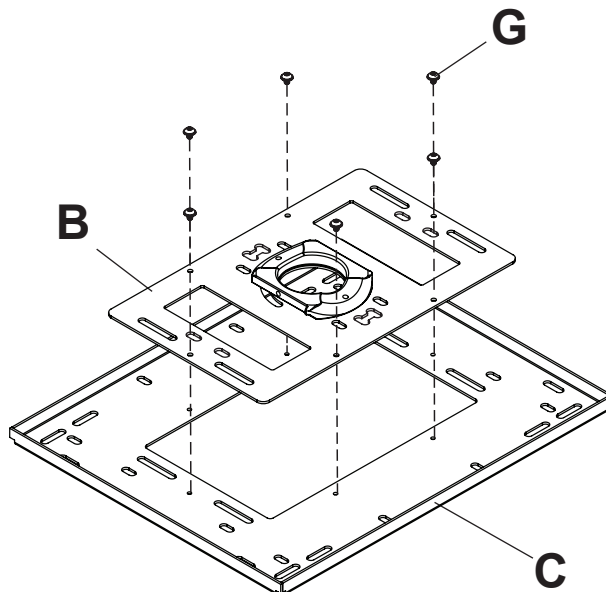
2 Use adapter plate (**B**) as shown.



2-Plate Horizontal Configuration:

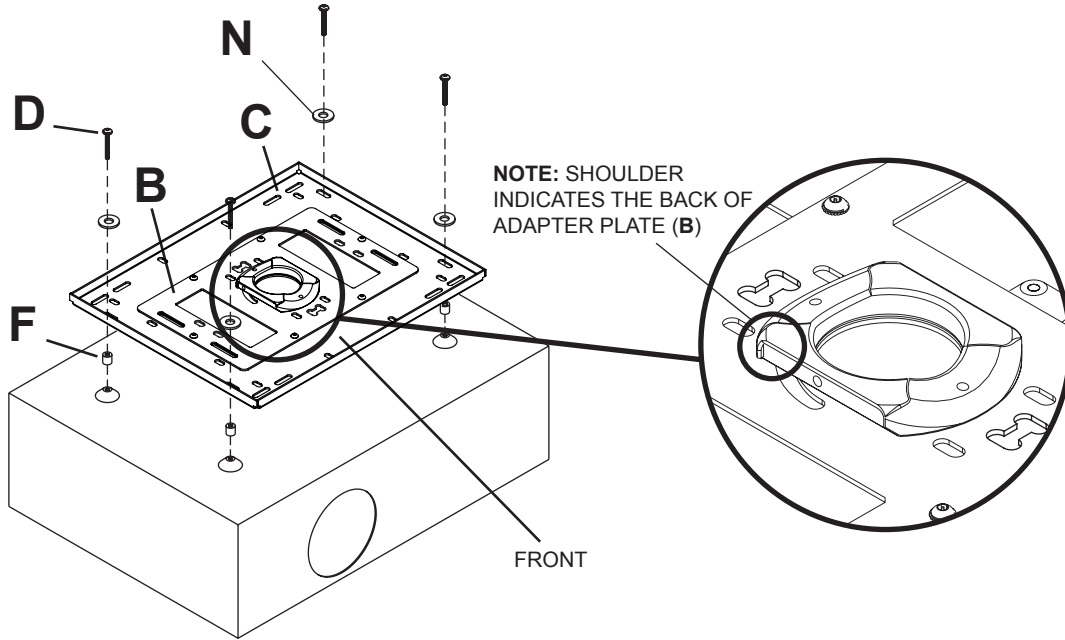
PowerLite Pro G5450WNL, G5200WNL, G5650WNL, G5350NL, G5150NL, G5550NL, G5750WNL, G5950NL, G5000, 4100, 4200W, 4300, 6110i

2 Attach adapter plate (**B**) to dedicated adapter plate (**C**) using six M4 x 6 mm socket pin screws (**G**).



- 2** **NOTE:** Shoulder indicates back of adapter plate (**B**)
 Flip projector upside down. Find your projector model from the hole patterns listed below. Using the holes indicated on the corresponding hole pattern diagram, attach adapter plate (**B**) to projector using the appropriate number of M4 x 20 mm socket pin serrated washer head screws (**D**), #10 flat washers (**N**), and spacers (**F**).

NOTE: Retaining spacers go between adapter plate and projector.

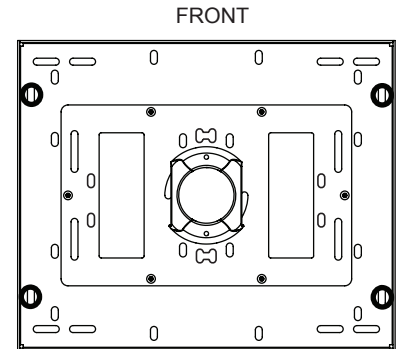
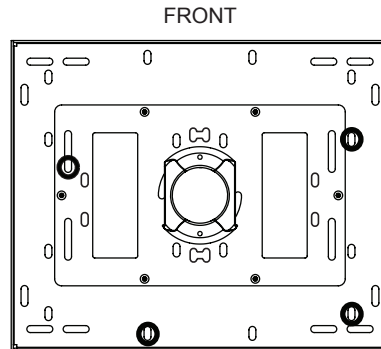
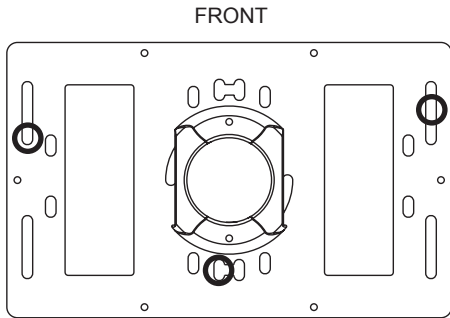


Hole Patterns

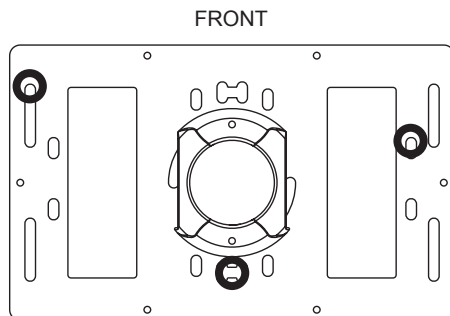
A. PowerLite 92, 93, 95, 96W, 905, 915W, 1835, 410W, 1830, 1915, 1925W, S17, X17, W17, 97, 98, 99W, 955W, 965

B. PowerLite 6110i

C. PowerLite Pro G5450WNL, G5200WNL, G5650WNL, G5350NL, G5150NL, G5550NL, G5750WNL, G5950NL G5000, 4100, 4200W, 4300,

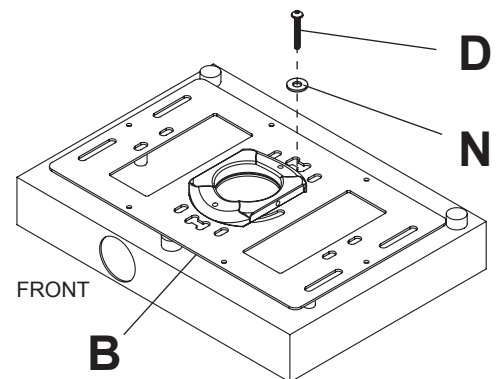


D. PowerLite 1750, 1760W, 1770W, 1775W



Attach adapter plate (**B**) to projector using the three M4 x 20 mm socket pin serrated washer head screws (**D**) and spacers (**F**), and one #10 flat washer (**N**).

NOTE: Retaining spacers go between adapter plate and projector.

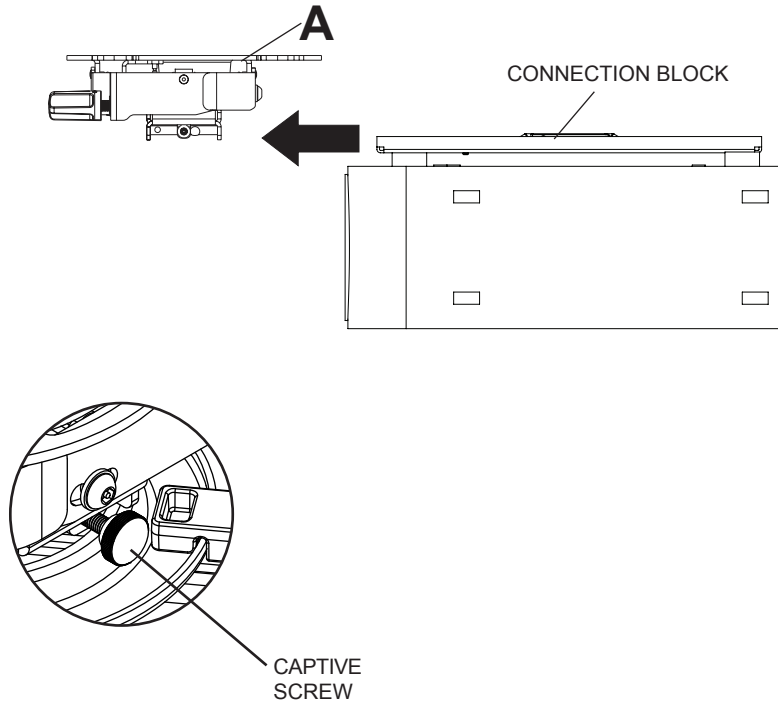


Installing Connection Block to Projector Mount Assembly

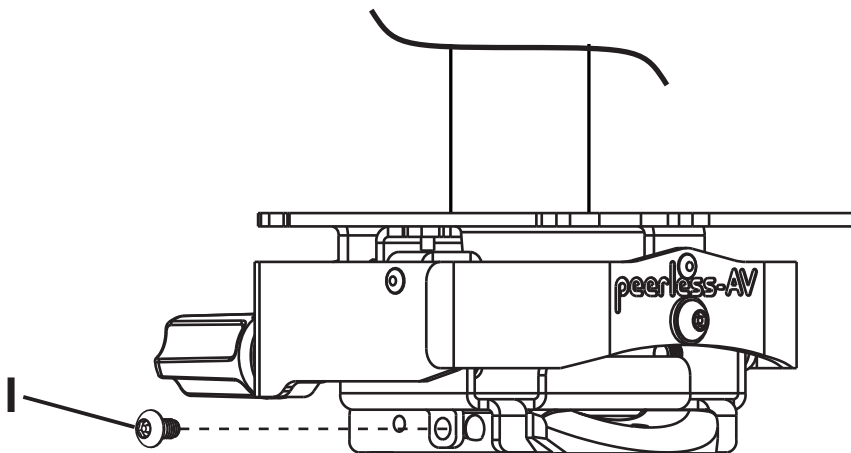
⚠ WARNING

- Always use an assistant or mechanical lifting equipment to safely lift and position the projector.

- 3** Slide connection block with projector into projector mount assembly (A) as shown. Tighten captive screw to secure projector to projector mount assembly (A).



- 4** **IMPORTANT:** For security installations, insert one #10-32 x 1/4" socket pin screw (I) through projector mount assembly (A) and into connection block as shown.

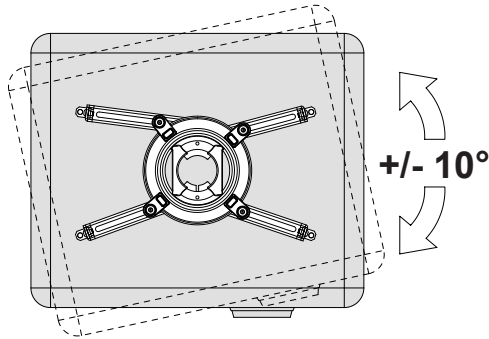


Projector Alignment

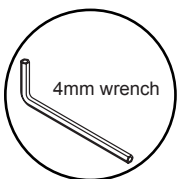
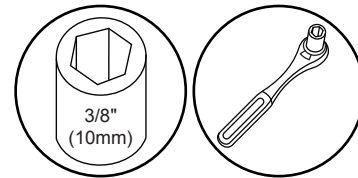
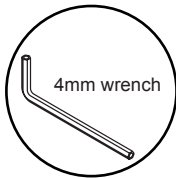
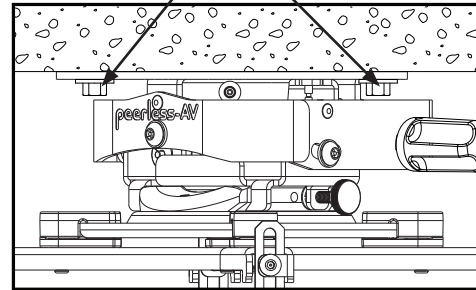
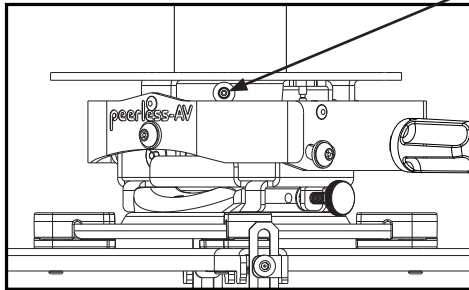
5 To adjust yaw (swivel) for extension column installation: Loosen screw on projector mount assembly (A) indicated below until projector mount can be rotated. Rotate mount to desired position and retighten screw.

To adjust pitch (forward and backward tilt): Turn knob on back of mount as shown below. Pull knob out and turn by hand for easy adjustment.

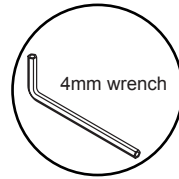
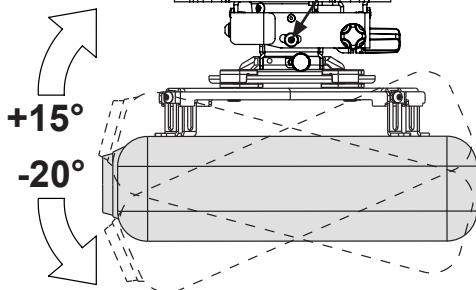
To adjust roll (side to side tilt): Turn knob on side of mount as shown below. Pull knob out and turn by hand for easy adjustment.



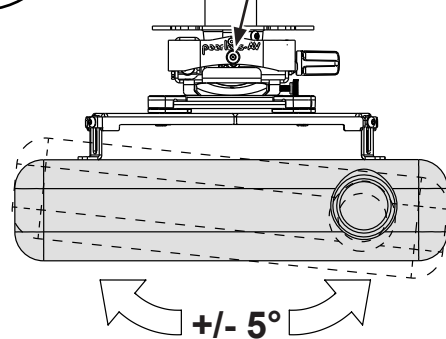
Loosen screw, make adjustment, retighten screw.



Loosen screw, make adjustment, retighten screw.



Loosen screw, make adjustment, retighten screw.



Cable Management

6

To make an opening to route cables through projector mount assembly, adjust projector mount assembly to full upward tilt position and maximum left or right roll position by turning knobs for adjustments as shown in step 5.

Route cables through top of extension column as shown.

NOTE: A method for assisting cables through extension column may be required (example: string tied to connector to help pull through extension column).

Route cables through projector mount assembly as shown and connect to projector.

