354 / 355 Light
Steel Framed Wall Mount Installation

Applies to Models:
354 (-043)
355 (-042)

Language of origin: English

Step 1: Determine mounting location.

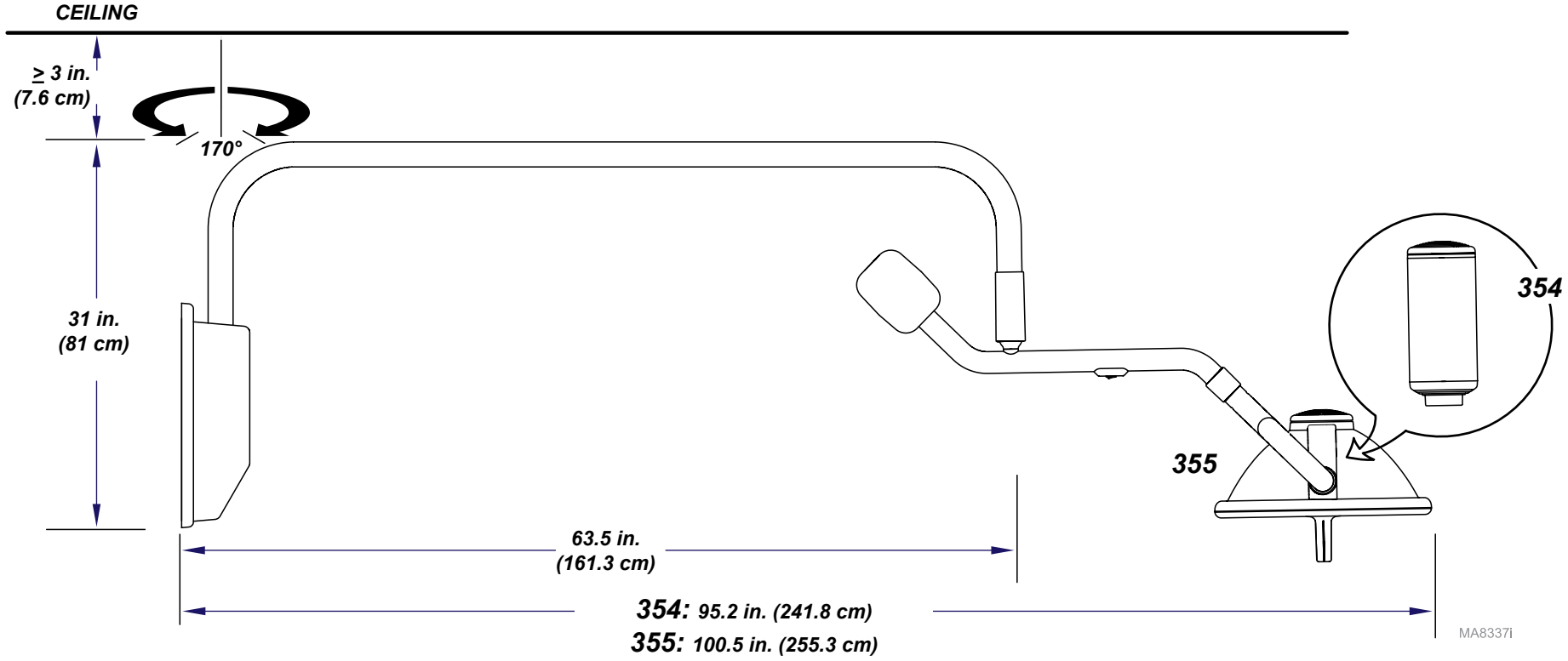
A) Use the weight / dimension information shown on this page to determine the mounting location.

*Note: Power source **must** be within 12 ft. (3.6 m) of mounting location.*

NOTE:
The wall structure must be capable of supporting the light system.

Weight (max.):.....110 lbs (49.9 kg)
Torque (max.):.....375 ft-lbs (508.4 N•M)

In addition to supporting the weights listed, the wall structure must be able to support the light without deflection. To prevent the suspension arm from drifting, the assembly must deflect no more than 1/16" (1.6 mm) over a 12" (30.5 cm) distance.



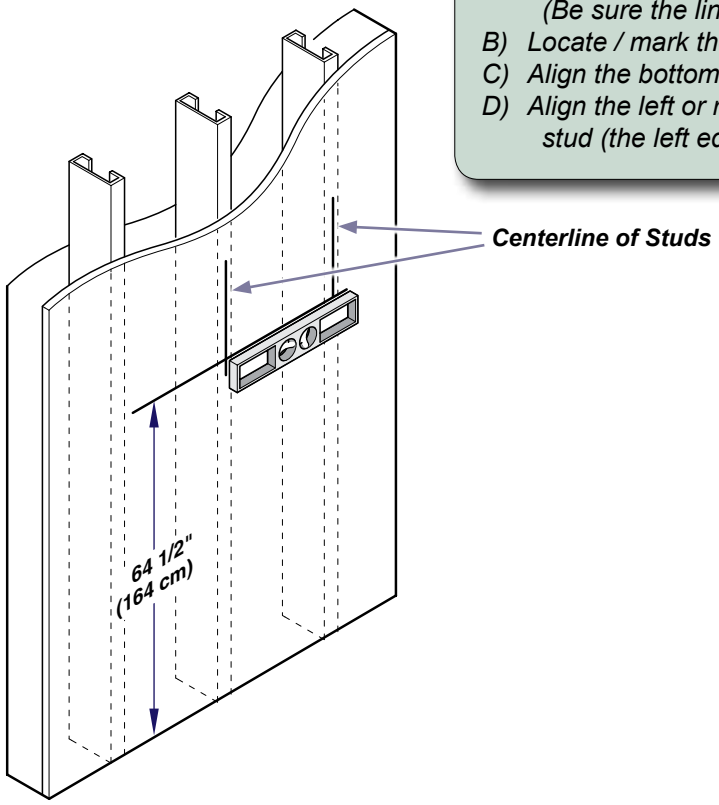
Style A

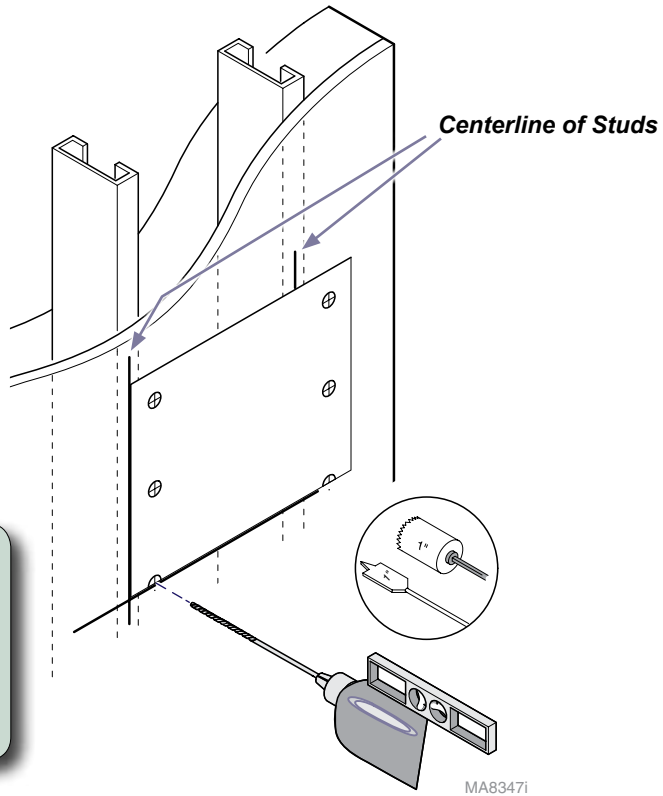
003-2437-00 Rev. B (5/21/13)

Attention!
Steps 2 & 3 must be performed from the side of the wall ***that the light will be mounted to.***

Step 2: Position the template on the wall.

*A) Draw a **level** line on the wall at 64 1/2" (163.8 cm) from the floor.*
(Be sure the line spans two wall studs)
B) Locate / mark the center of the two wall studs.
C) Align the bottom of the template with the line drawn in Step 2 (A).
D) Align the left or right edge of the template with the centerline of the appropriate stud (the left edge / stud is shown in the illustration).





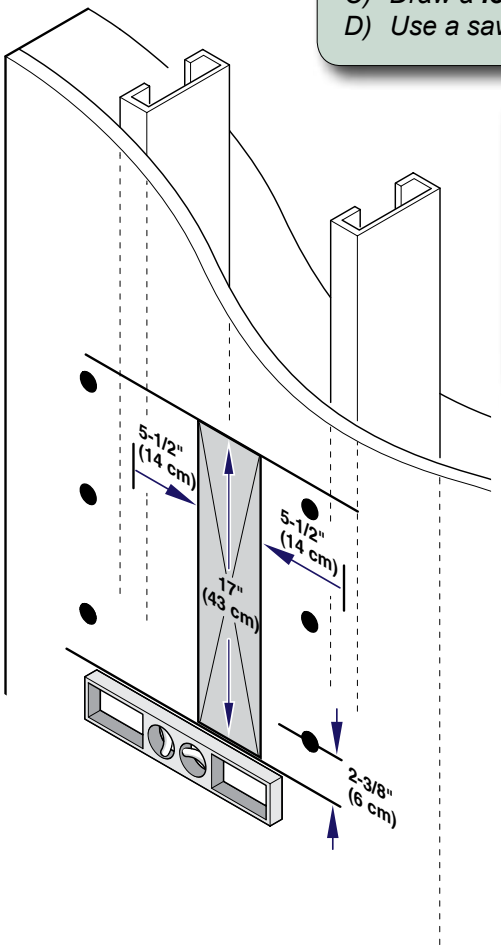
Step 3: Drill holes for mounting plate.

*A) Use a long drill bit to drill six pilot holes at the locations marked on the template. The holes **must** go thru both sides of the wall. **Keep the drill level.** **Do not drill thru the studs!** If the template is aligned correctly, the hole location marks will be offset from the studs.*
*B) Expand each pilot hole using a 1" drill bit, or a hole saw from **both** sides of the wall.*

Attention!
*Steps 4 & 5 must be performed from the **back of the wall** that the light will be mounted to.*
This step requires two wooden supports (4" x 4" x 16") <u>not supplied</u>.

Step 4: Cut access hole for wall supports.

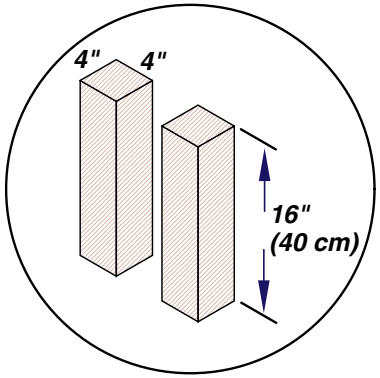
*A) Draw a **level** line on the wall 2-3/8" **below** the center of the bottom holes drilled in Step 3.*
B) Locate / mark the center of the two wall studs.
*C) Draw a **level** line on the wall 5-1/2" from the centerline of each stud as shown.*
D) Use a saw to cut out the 5" x 17" section of wallboard marked in Step 4 (A / B / C).

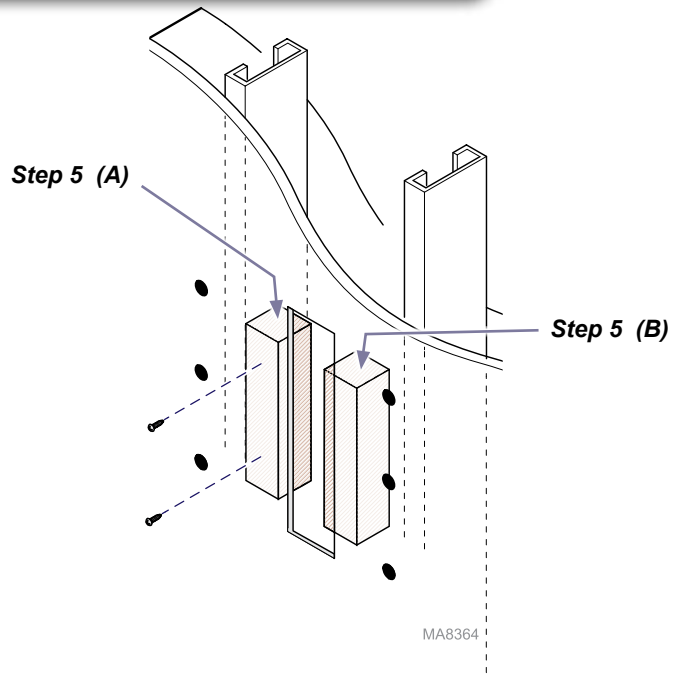


Step 5: Install two wall supports.

A) <u>On the side where the stud is between the access hole and the 1" holes:</u>
Position the wood support against the stud.
Secure with two screws (not supplied).

B) <u>On the side where the 1" holes are between the access hole and the stud:</u>
*Position the wood support so that is does **<u>not</u>** obstruct the 1" holes.*
Secure with two screws (not supplied).





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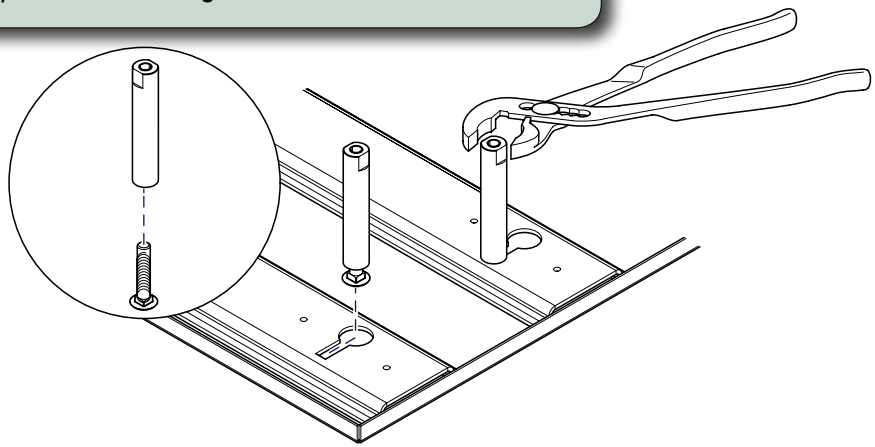
Attention!
*Steps 6 & 7 must be performed from the **back** of the wall that the light will be mounted to.*

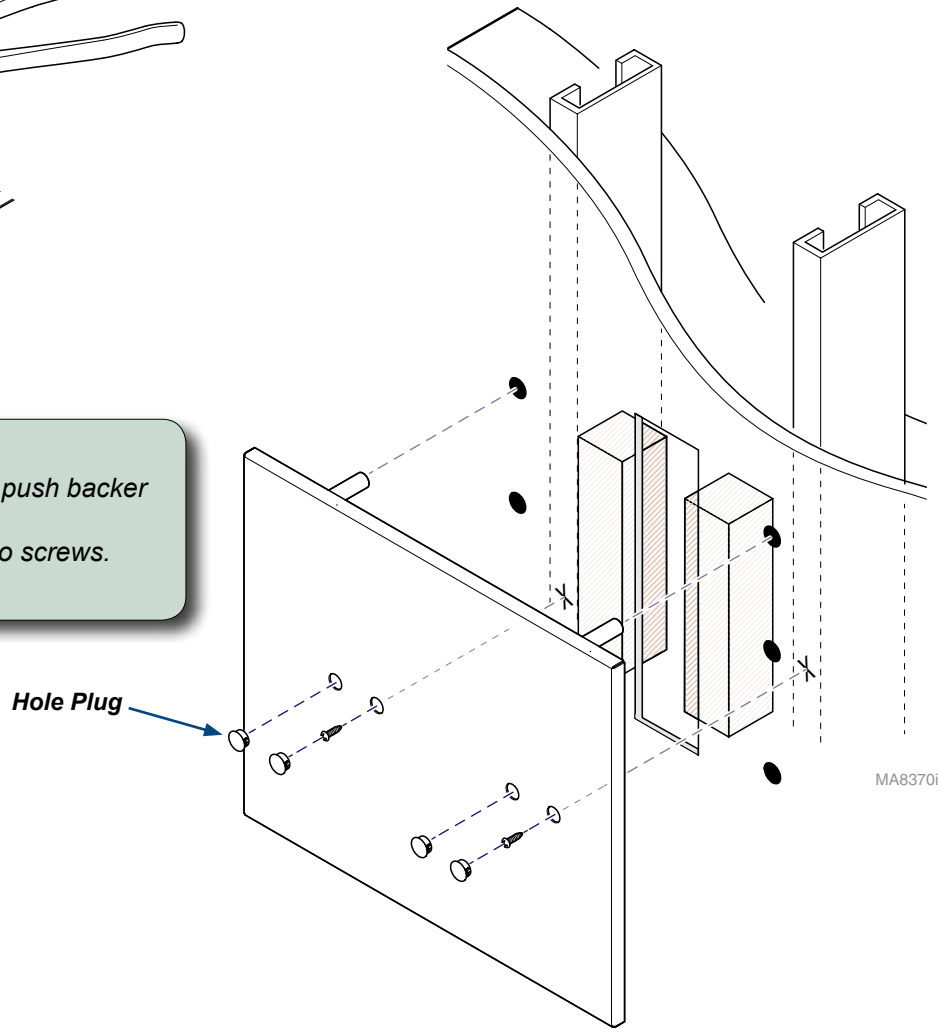
Step 6: Install standoffs onto backer plate.

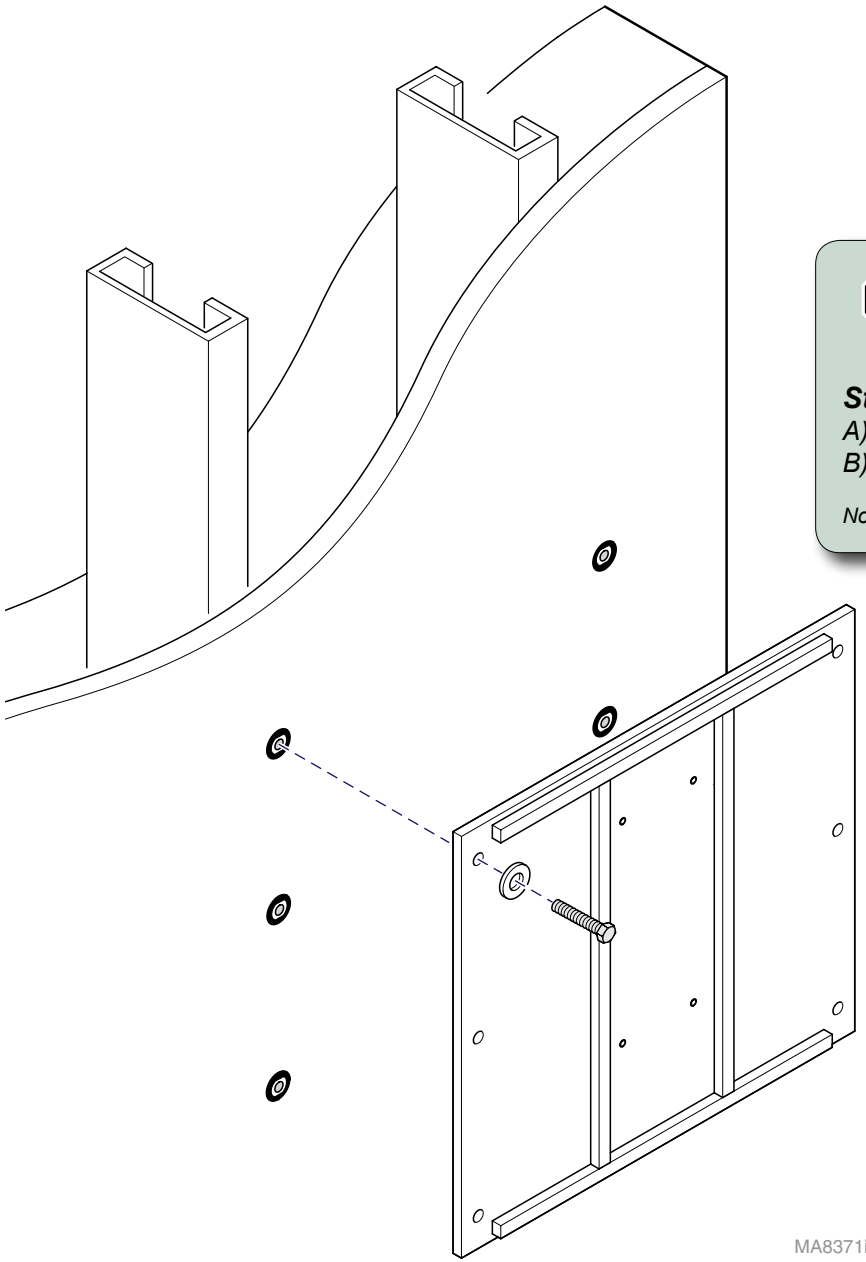
A) Thread six carriage bolts into six standoffs.
B) Insert bolt / standoff into keyed hole in backer plate.
C) Use pliers to tighten bolt / standoff.
D) Repeat for remaining bolts / standoffs.



Step 7: Install backer plate.

A) Align standoffs with 1" holes, then push backer plate in until it is against the wall.
B) Secure plate to steel studs with two screws.
C) Install four hole plugs.





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Attention!
Step 8 must be performed from the side of the wall ***that the light will be mounted to.***

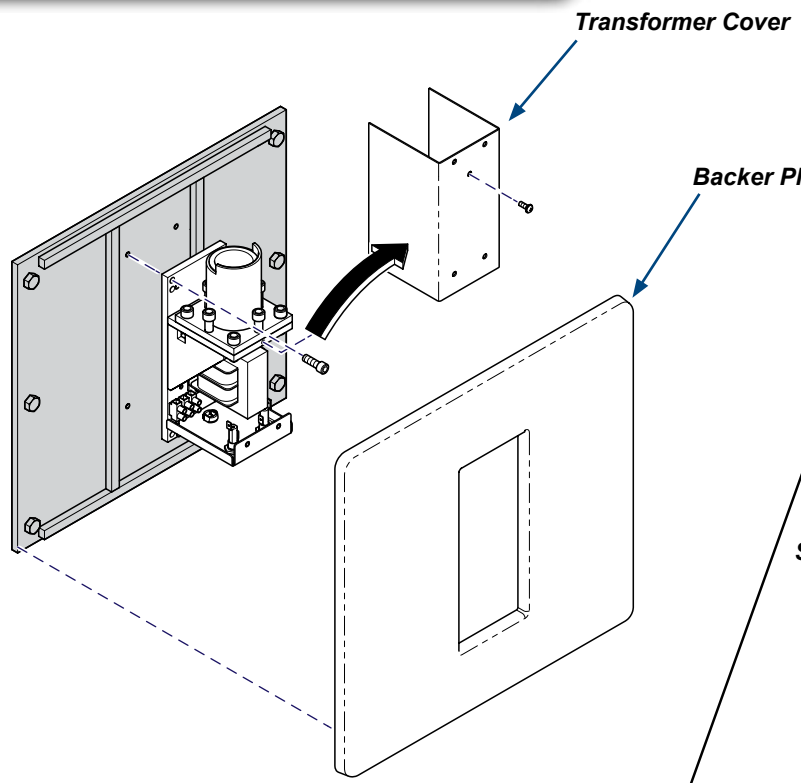
Step 8: Install mounting plate.

A) Align mounting plate with 1" holes.
B) Secure mounting plate to wall with six bolts \ washers.

Note: The bolts ***must*** *thread into the standoffs from the backer plate.*

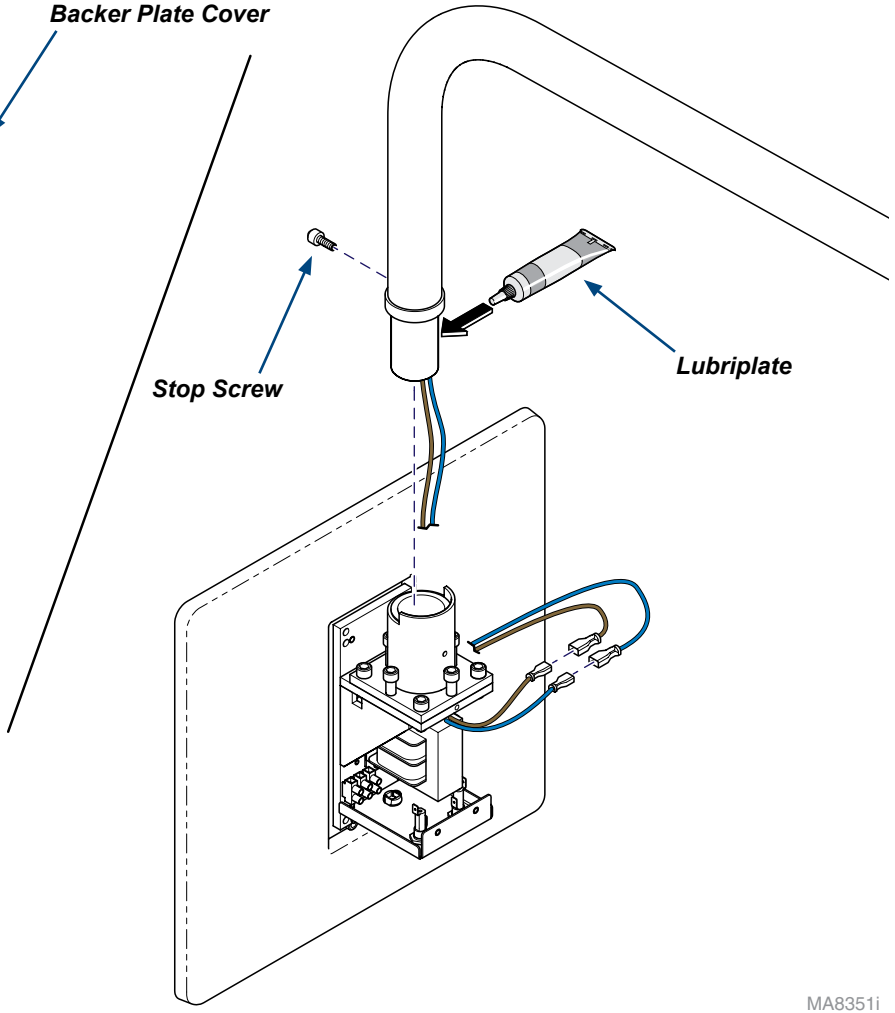
Step 9: Install mounting bracket.

A) Remove transformer cover.
B) Align mounting bracket with holes in backer plate, then secure with four bolts.
C) Install backer plate cover.



Step 10: Install fixed arm.

A) Install stop screw into fixed arm.
B) Apply Lubriplate (supplied) to fixed arm as shown.
C) Carefully route the wires down thru bearing while inserting fixed arm into mounting bracket.
D) Connect two fixed arm wires to matching color wires from transformer.



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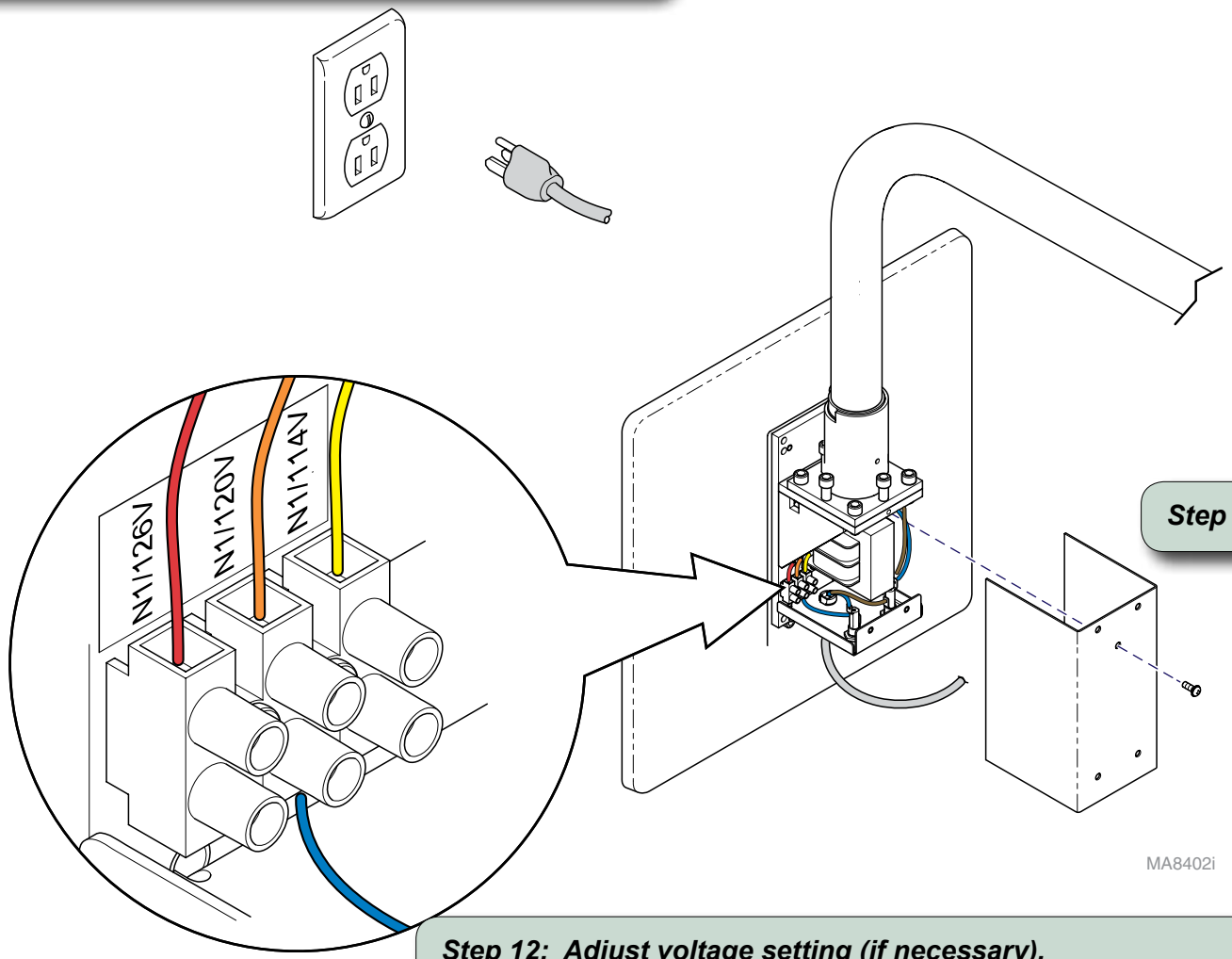
Step 11: Measure facility voltage.

A) Use a multimeter to measure the voltage supplied to the light.

B) Record this voltage reading.

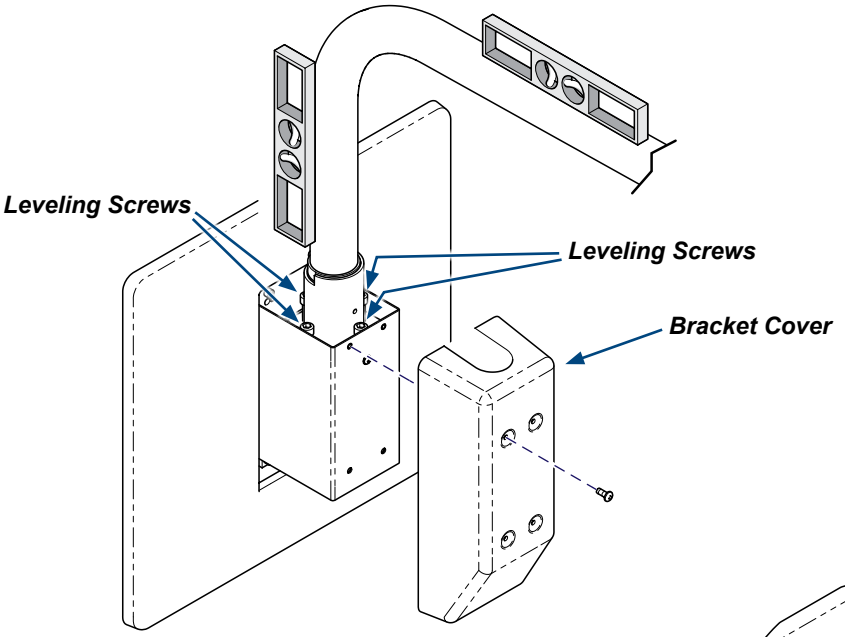


Step 13: Install transformer cover.

Step 12: Adjust voltage setting (if necessary).

A) Based on the voltage measured in Step 11,
move the blue wire on the terminal strip to the correct position.

Voltage measurement:	*less than 117 VAC (blue wire position: **N1/114V**)*
	*117.1 VAC thru 123 VAC (blue wire position: **N1/120V**)*
	*123.1 VAC or higher (blue wire position: **N1/126V**)*

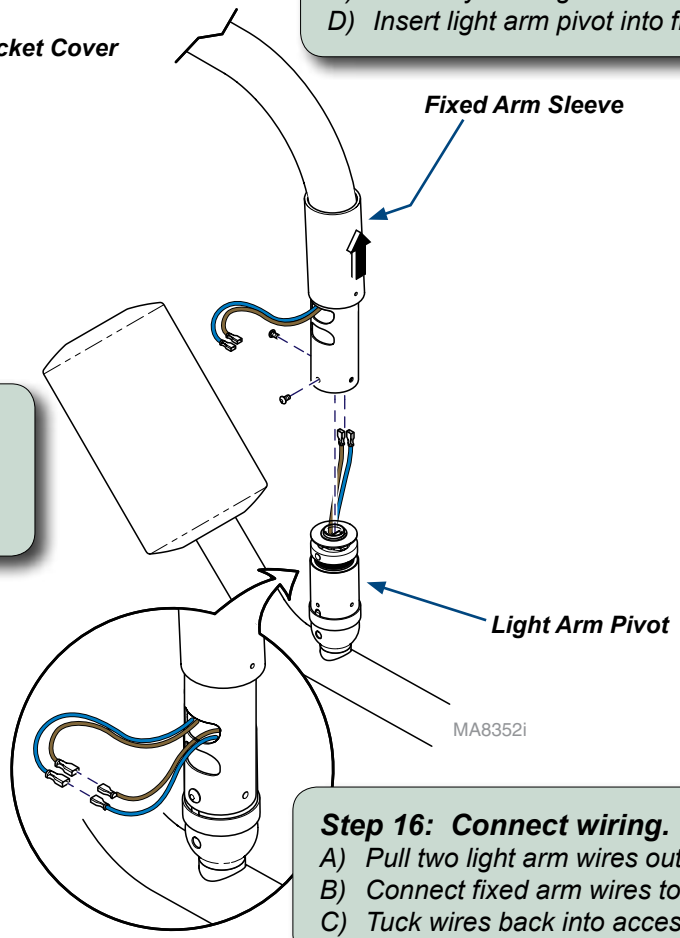


Step 15: Level fixed arm / install bracket cover.

A) Check the vertical & horizontal level of the fixed arm.
B) Adjust four leveling screws as necessary.
C) Secure bracket cover with four screws.

Step 14: Install light arm.

A) Slide fixed arm sleeve onto fixed arm as shown.
B) Pull two fixed arm wires out thru top access hole.
C) Carefully feed light arm wires up into fixed arm.
D) Insert light arm pivot into fixed arm, then secure with two screws.

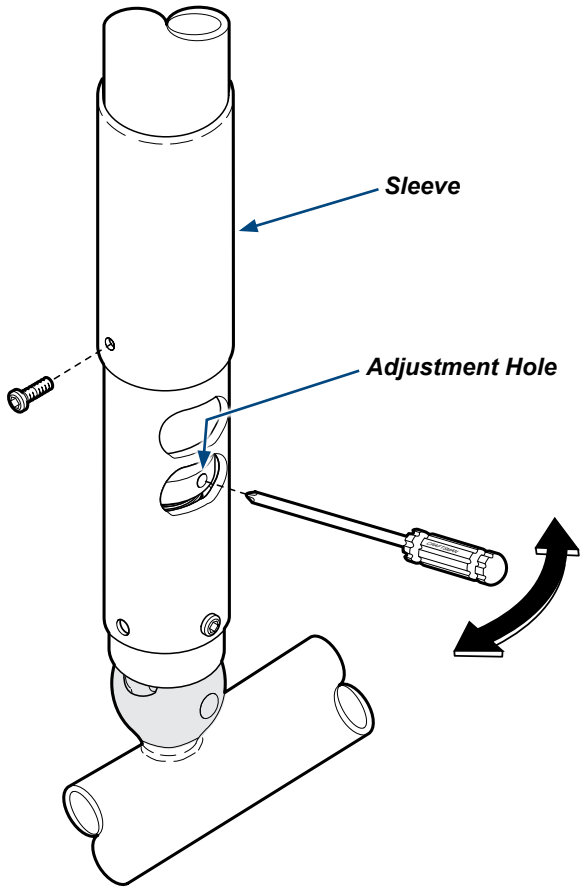


Step 16: Connect wiring.

A) Pull two light arm wires out thru access hole.
B) Connect fixed arm wires to matching color wires from light arm.
C) Tuck wires back into access hole.

Step 17: Release ball pivot tension.

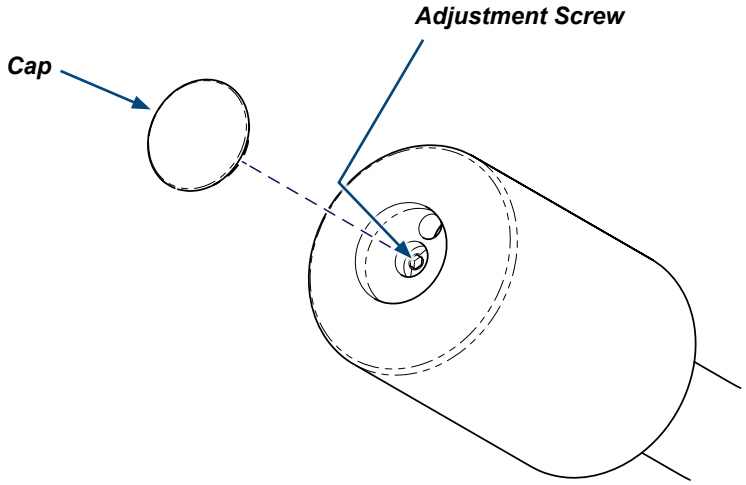
A) Slide sleeve up to expose opening.
B) Insert screwdriver into adjustment hole.
C) Move the screwdriver LEFT until tension is fully released.



Step 18: Adjust cross tube counterbalance.

A) Remove cap from counterbalance.
B) Loosen / tighten the adjustment screw until the cross tube balances in horizontal position.
C) Install cap onto counterbalance.

Note: Turning the adjustment screw clockwise will lower the lighthead. Turning the adjustment screw counterclockwise will raise the lighthead.



Step 19: Adjust ball pivot tension...

A) Insert screwdriver into adjustment hole.
*B) Move the screwdriver LEFT / RIGHT to adjust tension setting (LEFT: **decreases** tension / RIGHT: **increases** tension)*
C) Remove screwdriver, and check for desired tension. Repeat until desired tension is achieved.
D) Slide sleeve down, then install screw.

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