

User Manual of Product 1:

Goalrilla LED Basketball Hoop Light Illuminates backboard, Rim, and Court and Fits All Goalrilla and Other In-Ground Hoops

Goalrilla™

**The Toughest
Basketball System
on the Planet.**

LED
HOOPLIGHT

MODEL NO.
B2415



**Please Do Not Return This
Product to the Store!**

Contact Escalade® Sports customer service department at:
Phone: 1-888-USA-GOAL Toll-Free!
Fax: 1-866-873-3536 Toll-Free!
E-mail: customerservice@escaladesports.com

ESCALADE®
SPORTS

Escalade® Sports products may be manufactured and/or licensed under the following patents.
6120397, 5816957, 5769744, 5119741, 4911085, 4717157, D460140, D420563, 8414431
Additional patents may be pending. One or more of the listed patents and/or pending patents may cover specific product.

2L-7626-00

2017 Escalade® Sports

PRE-ASSEMBLY TIPS

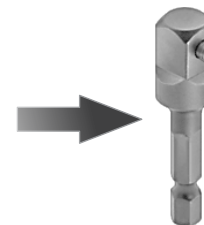
1. **Read this manual carefully before starting assembly.** Read each step completely before beginning each step.
2. **Some smaller parts may be shipped inside larger parts. Check inside all parts and cartons before assembling or ordering parts.**
3. **To make assembly easier, use the Hardware Identifier on page 5 to identify and sort all fasteners. Check all cartons for kits. All hardware may not be located in one kit.**
4. **Do not tighten hardware until instructed to do so. If hardware is tightened too soon, mounting holes may not align and parts may not easily fit together. Leave locknuts slightly loose until you are instructed to tighten them.**
5. **Save these instructions and your proof of purchase (receipt) in the event that the manufacturer has to be contacted for replacement parts.**

Tools required for assembly:

3/8" drive ratchet wrench
 9/16" Deepwell socket
 2-10mm socket and wrench
 2-13mm socket and wrench
 Needle nose pliers
 6' Step ladder

Tools Optional:

Cordless Drill
 Power Socket Adapter for a 9/16 Deepwell socket



Please Do Not Return This Product To The Store!

Contact Escalade® Sports customer service department at:

Phone: 1-888-USA-GOAL Toll – Free !

Fax: 1-866-873-3536 Toll – Free !

E-mail: basketball@escaladesports.com

Mailing Address (correspondence only):

Escalade Sports

PO Box 889

Evansville, IN 47706

Please visit our Website at:
www.escaladesports.com

ON-LINE TROUBLE SHOOTING TECHNICAL ASSISTANCE
 ON-LINE PARTS REQUESTS FREQUENTLY ASKED QUESTIONS
 ADDITIONAL ESCALADE® SPORTS PRODUCT INFORMATION





SAFETY INSTRUCTIONS



FAILURE TO FOLLOW THESE SAFETY INSTRUCTIONS MAY RESULT IN SERIOUS INJURY, PROPERTY DAMAGE AND WILL VOID WARRANTY.

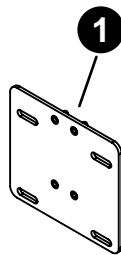
Owner must ensure that all players know and follow these rules for safe operation of the system.

To ensure safety, do not attempt to assemble this system without following the instructions carefully. Check entire box and inside packing material for parts and/or additional instruction material. Before beginning assembly, read the instructions and identify parts using the hardware identifier and parts list in this document. Proper and complete assembly, use and supervision is essential for proper operation and to reduce the risk of accident or injury. A high probability of serious injury exists if this system is not installed, maintained, and operated properly.

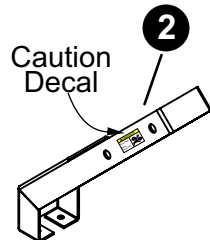
- If using a ladder during assembly, use extreme caution.
- 2 capable adults are recommended for this operation.
- Assemble the pole sections properly (if applicable). Failure to do so could cause pole sections to separate during play or transport.

*Most injuries are caused by misuse and/or not following instructions.
Use caution when using this system.*

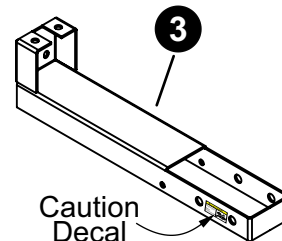
PARTS LIST (NOT ACTUAL SIZE)



MOUNTING PLATE ASSEMBLY
1A-7938-00
(QTY. 1)



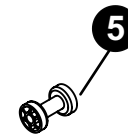
TOP BRACKET
8S-7938-00
(QTY. 1)



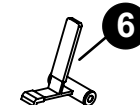
BOTTOM BRACKET
8S-7939-00
(QTY. 1)



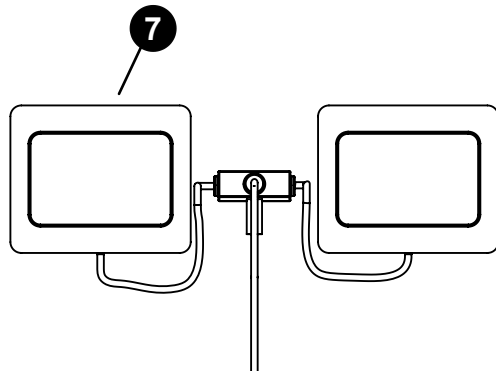
LARGE WHEEL ROLLER
3M-9044-00
(QTY. 1)



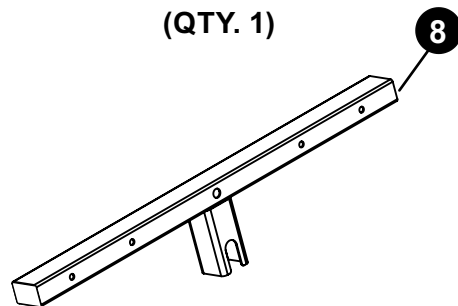
ROLLER
3M-9043-00
(QTY. 3)



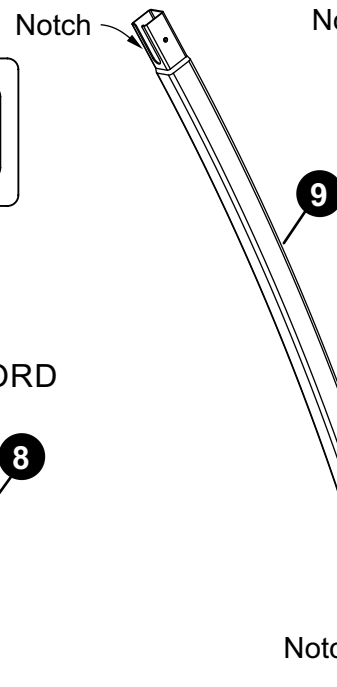
LOCK
4A-8243-00
(QTY. 1)



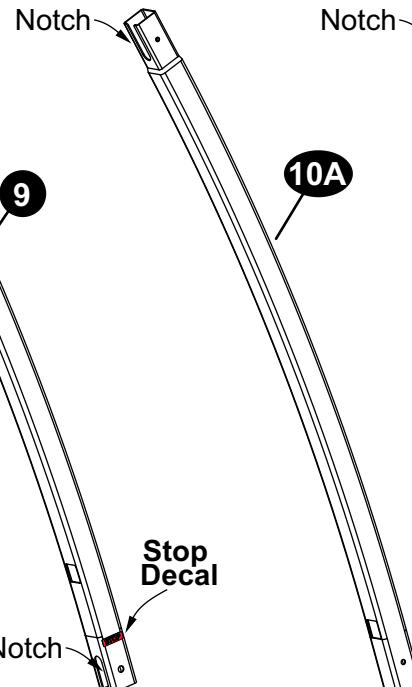
LED LIGHT ASSEMBLY WITH CORD
6Q-6009-00
(QTY. 1)



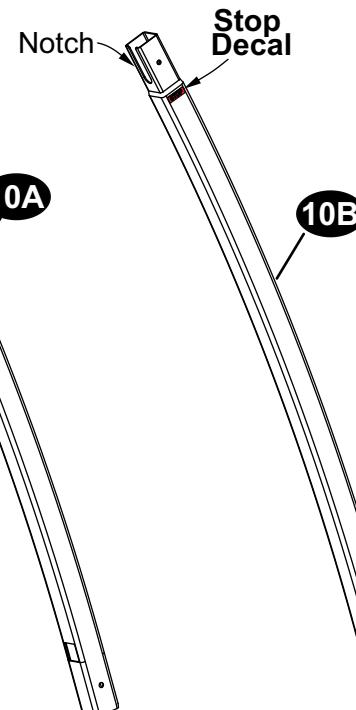
Light Bar
1A-7939-00
(QTY. 1)



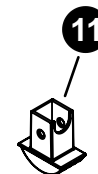
BOTTOM POLE
8S-7942-00
(QTY. 1)



CENTER POLES
8S-7943-00
(QTY. 3)



TOP POLE
8S-8244-00
(QTY. 1)



END HANDLE
3M-9046-00
(QTY. 1)



1"X1.5" LIGHT BAR END CAP
3M-9045-00
(QTY. 2)

*Pre-installed

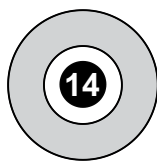
HARDWARE IDENTIFIER (ACTUAL SIZE)

***NOTE: DEPENDING ON YOUR MODEL YOU WILL HAVE EXTRA HARDWARE.**

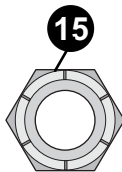
13 U-Bolt For 6x6 & 5-1/2"X5-1/2" Pole (7B-6297-00) (QTY. 2)

13 U-Bolt For 6x8 Pole
(7B-6298-00)
(QTY. 2)

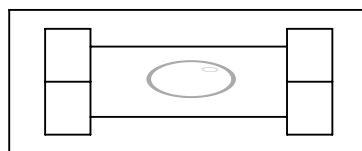
13 U-Bolt For 5x5 Pole (7B-6296-00) (QTY. 2)



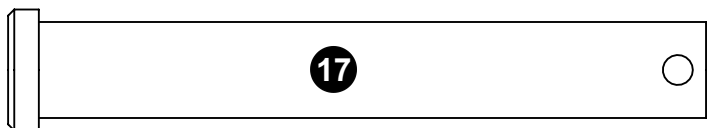
14
3/8"
FLAT WASHER
701-50
(QTY. 4)



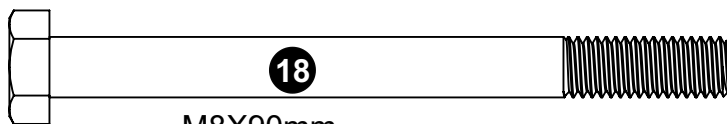
15
3/8"-16
NYLON LOCKNUT
901-28
(QTY. 4)



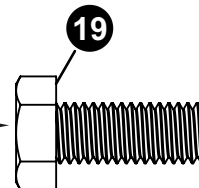
16
BUBBLE LEVEL
2Q-6474-00
(QTY. 1)



17
1/2"X3.5" PIN
7B-6545-00
(QTY. 4)



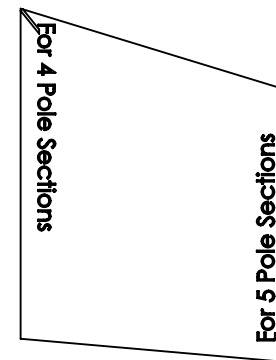
18
M8X90mm
1B-7157-00
(QTY. 1)



19
4 extra for Goalrilla
Freight Train model
M8X20mm
1B-7156-00
(QTY. 6)

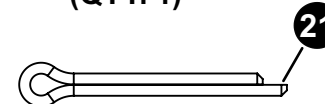


20
M8 WASHER
2B-6797-00
(QTY. 18)

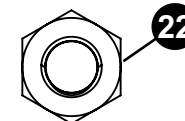


23
For 4 Pole Sections
For 5 Pole Sections
ANGLE INDICATOR
2L-7625-00
(QTY. 1)

Packed with
instruction manual

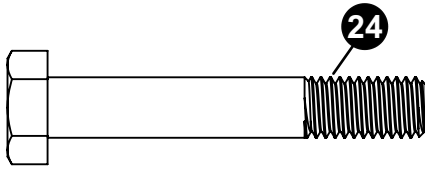


21
COTTER PIN
7B-6547-00
(QTY. 4)

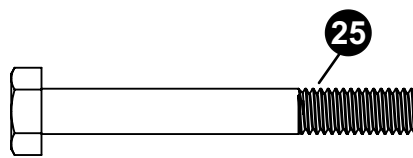


22
M8 LOCKNUT
2B-6808-00
(QTY. 8)

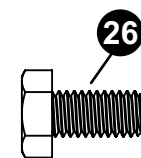
HARDWARE IDENTIFIER (ACTUAL SIZE)



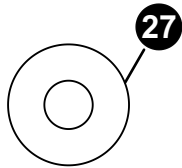
M8 X 50mm BOLT
1B-7158-00
(QTY. 2)



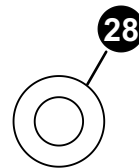
M6 X 50mm BOLT
1B-7159-00
(QTY. 4)



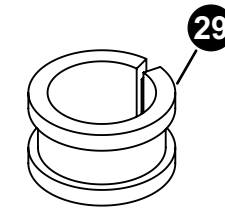
M6 X 12mm
1B-7160-00
(QTY. 10)



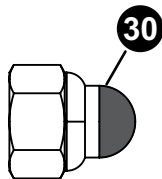
M6 WASHER LARGE
2B-6014-00
(QTY. 8)



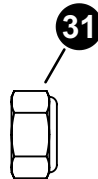
M6 WASHER
2B-6827-00
(QTY. 10)



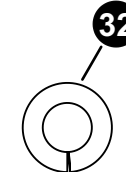
CABLE GROMMET
3M-9047-00
(QTY. 2)



M8 LOCK NUT WITH CAP
2B-6829-00
(QTY. 1)



M6 LOCKNUT
2B-6142-00
(QTY. 4)

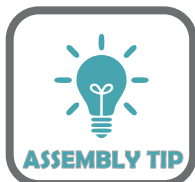


M6 LOCK WASHER
2B-6828-00
(QTY. 10)



Before installing the LED hoop light determine which basketball system you have. Depending on your model the **mounting locations will vary**. Please refer to your Basketball systems owner's manual for your Model number. Alternatively, the Goalrilla basketball models will have a sticker on the back of the pole with the model number (starts with the letter B).

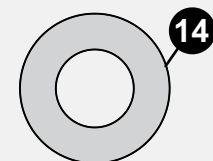
- To install on a **Goalrilla** unit please go to www.goalrilla.com/customer-service/product-manuals and click on "LED Hoopligh Goalrilla mounting instructions".
- For **Goalsetter** go to www.goalsetter.com/content/4/customer-service/ and click on "LED Hoopligh Goalsetter Mounting instructions" under product manuals.



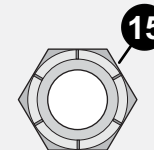
The following pages will have a picture of the **Hardware Needed** along with the Quantity, Part Number and Description. You can lay the hardware on the picture to identify the hardware.



HARDWARE NEEDED (ACTUAL SIZE)



3/8"
FLAT WASHER
701-50
(QTY. 4)



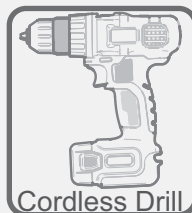
3/8"-16
NYLON LOCKNUT
901-28
(QTY. 4)

NOTE: Additionally **two** U-bolts **#13** are needed, see **Page 5** to determine which size you need for your pole.

TOOLS NEEDED



TOOLS RECOMMENDED (OPTIONAL)



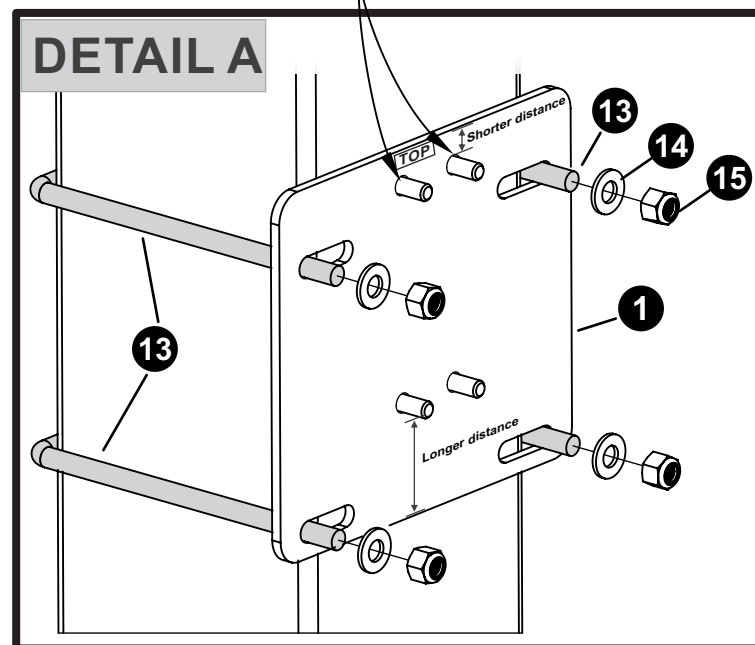
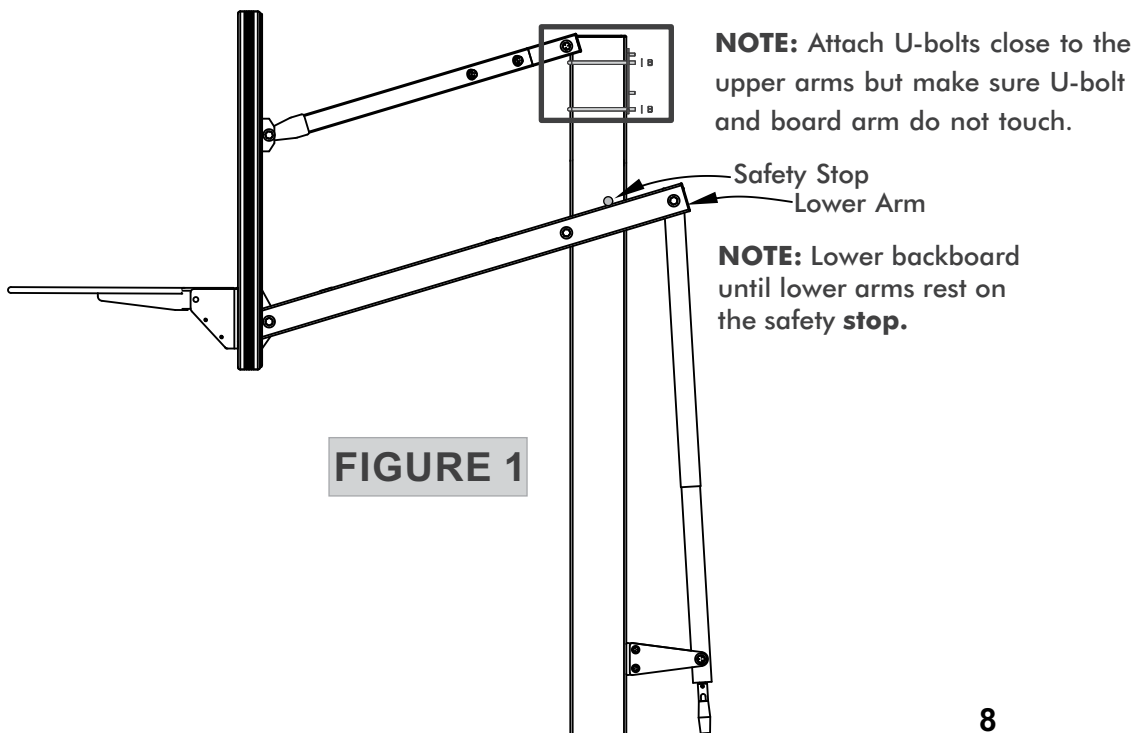
1. Lower the backboard to the lowest position until the Lower arms **touch** the safety stop. See **Figure 1**.

NOTE: Make sure your basketball pole is level before mounting the U-bolts **#13** and Plate **#1**.

NOTE: Mounting Plate **#1** must be positioned as shown in **Detail A**.

2. From the front of the pole attach the U-Bolts **#13** onto the pole and through the mounting plate **#1**. Fasten with Washer **#14** and Lock Nuts **#15** until the Plate does not slide on the pole but leave it loose enough to adjust it. See **Figure 1** and **Detail A**.

NOTE: Position the plate as shown. The studs with the **shortest** distance to the end of the plate go at the top.



TOOLS NEEDED



3. Center the Mounting Plate #1 on the pole (side to side) and Level it with the provided magnetic level #16. Place the Level directly on the top studs as shown in **Detail A**, and adjust until the plate is level (bubble should move to the middle of the level). Tighten hardware and **verify one more time that the plate is level** before continuing to the next step.

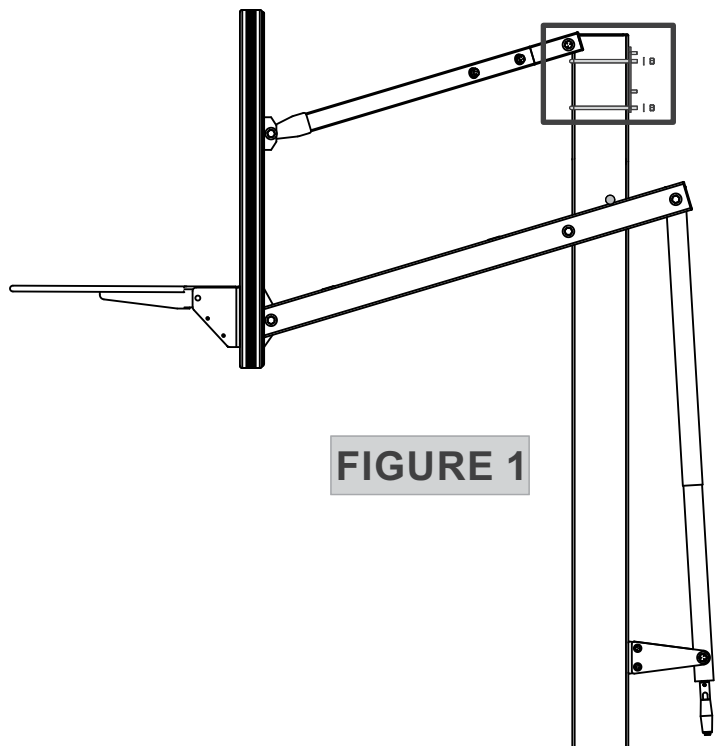
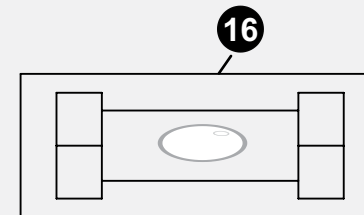


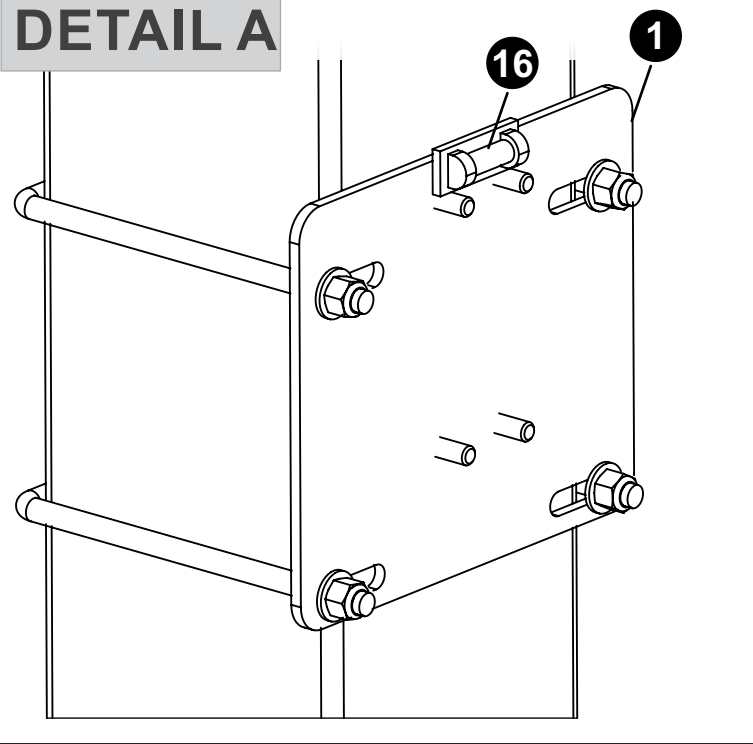
FIGURE 1

HARDWARE NEEDED

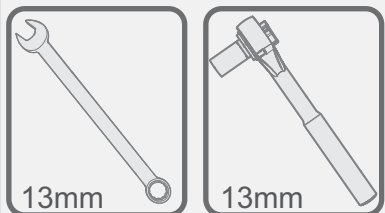


BUBBLE LEVEL
2Q-6474-00
(QTY. 1)

DETAIL A

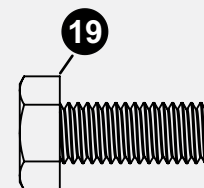


TOOLS NEEDED

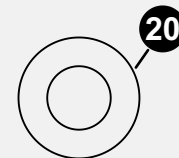


4. Assemble Top Bracket #2 and bottom Bracket #3 together as shown. See **Figure 1** and **Top View**.

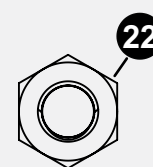
HARDWARE NEEDED (ACTUAL SIZE)



M8X20mm
1B-7156-00
(QTY. 2)



M8 WASHER
2B-6797-00
(QTY. 4)



M8 LOCKNUT
2B-6808-00
(QTY. 2)

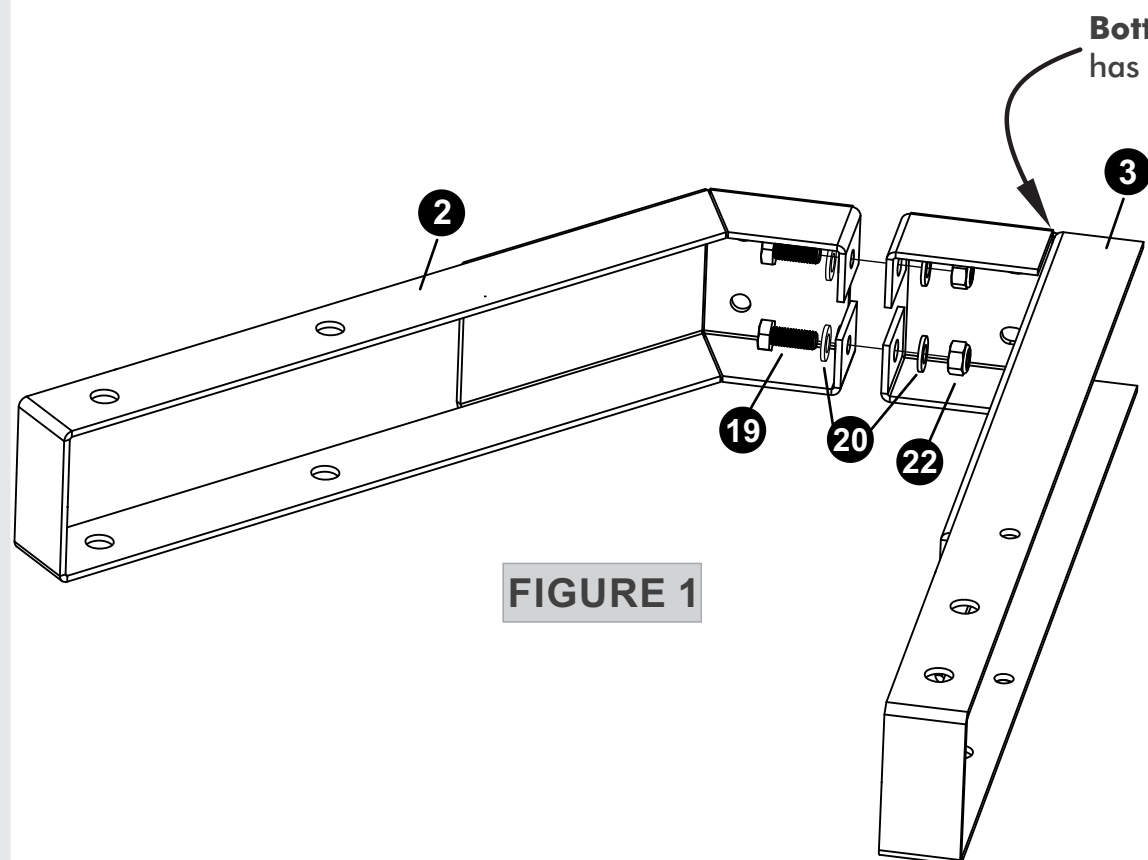
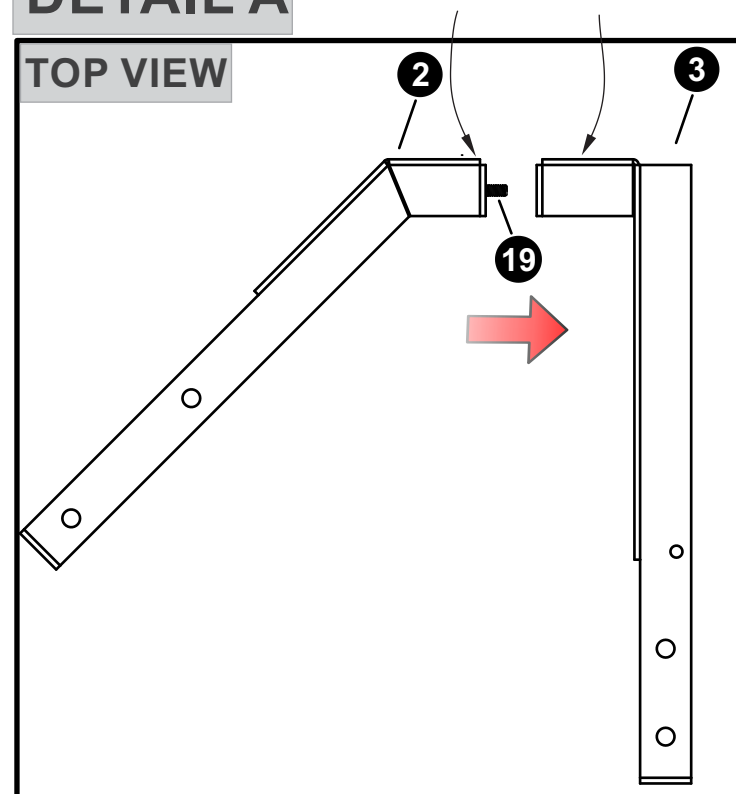


FIGURE 1

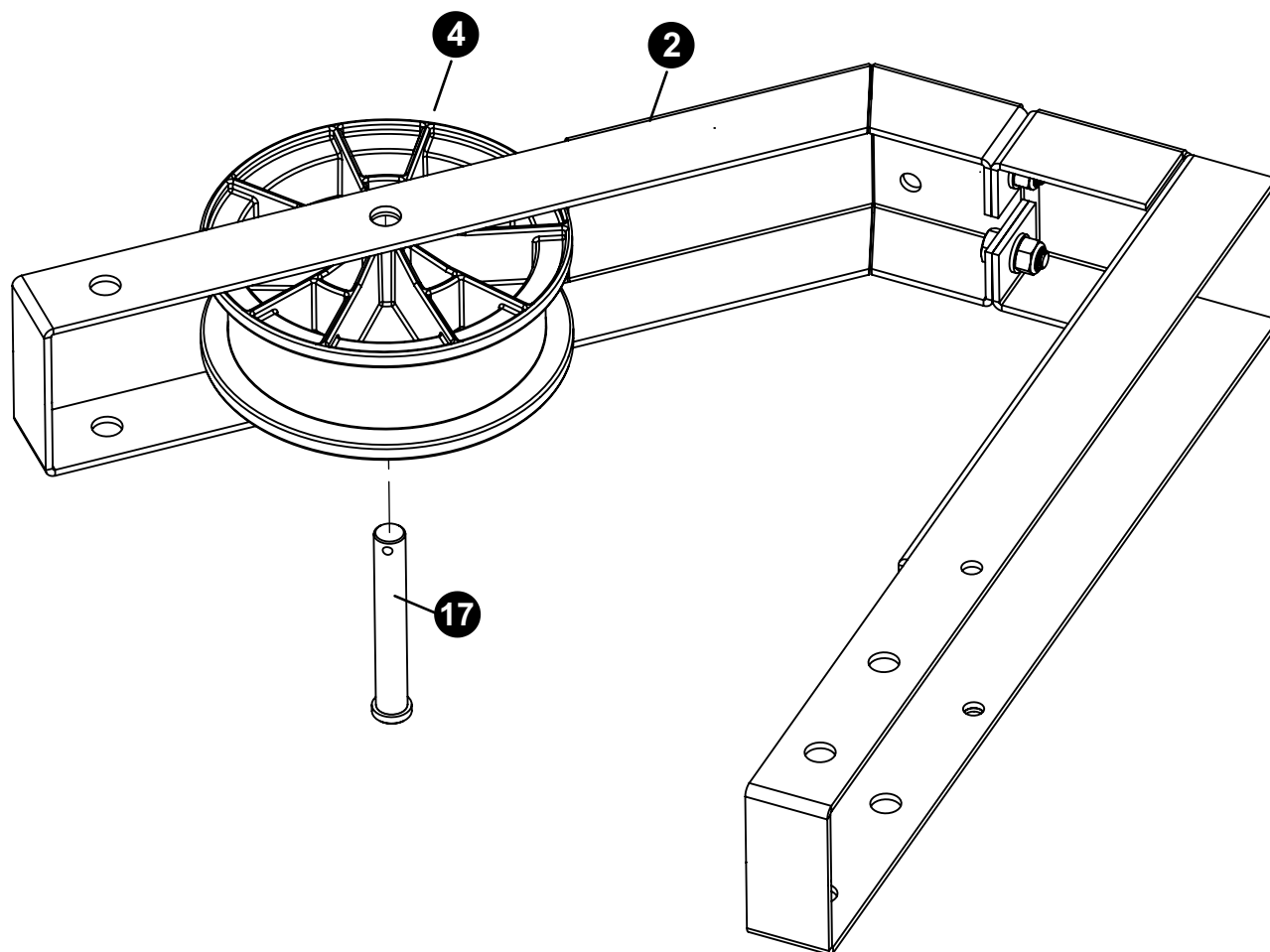
Before tightening,
be sure these two
surfaces are both flat &
flush with each other.

DETAIL A

TOP VIEW



5. Place Wheel #4 in top Bracket #2 and insert Pin #17 as shown.

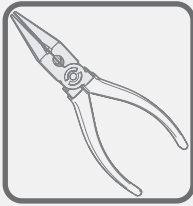


HARDWARE NEEDED (ACTUAL SIZE)

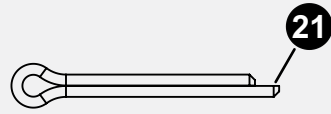


1/2"X3.5" PIN
7B-6545-00
(QTY. 1)

TOOLS NEEDED



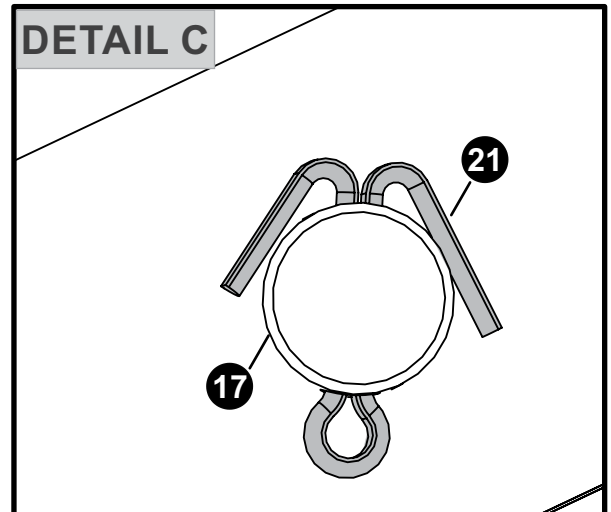
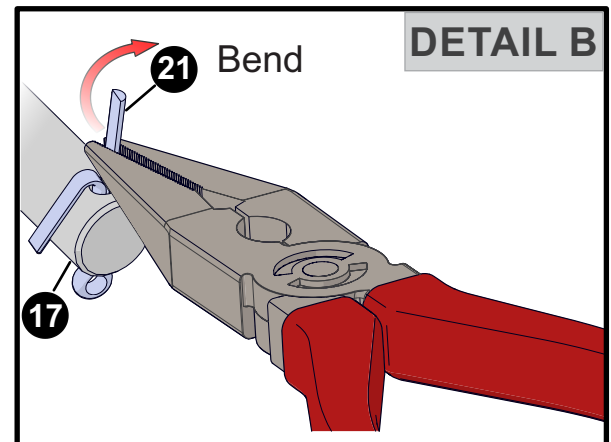
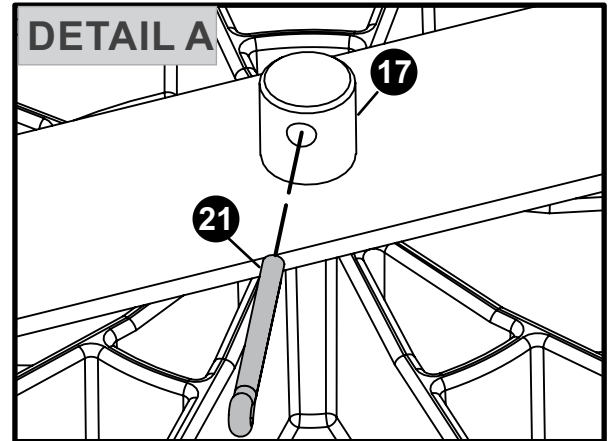
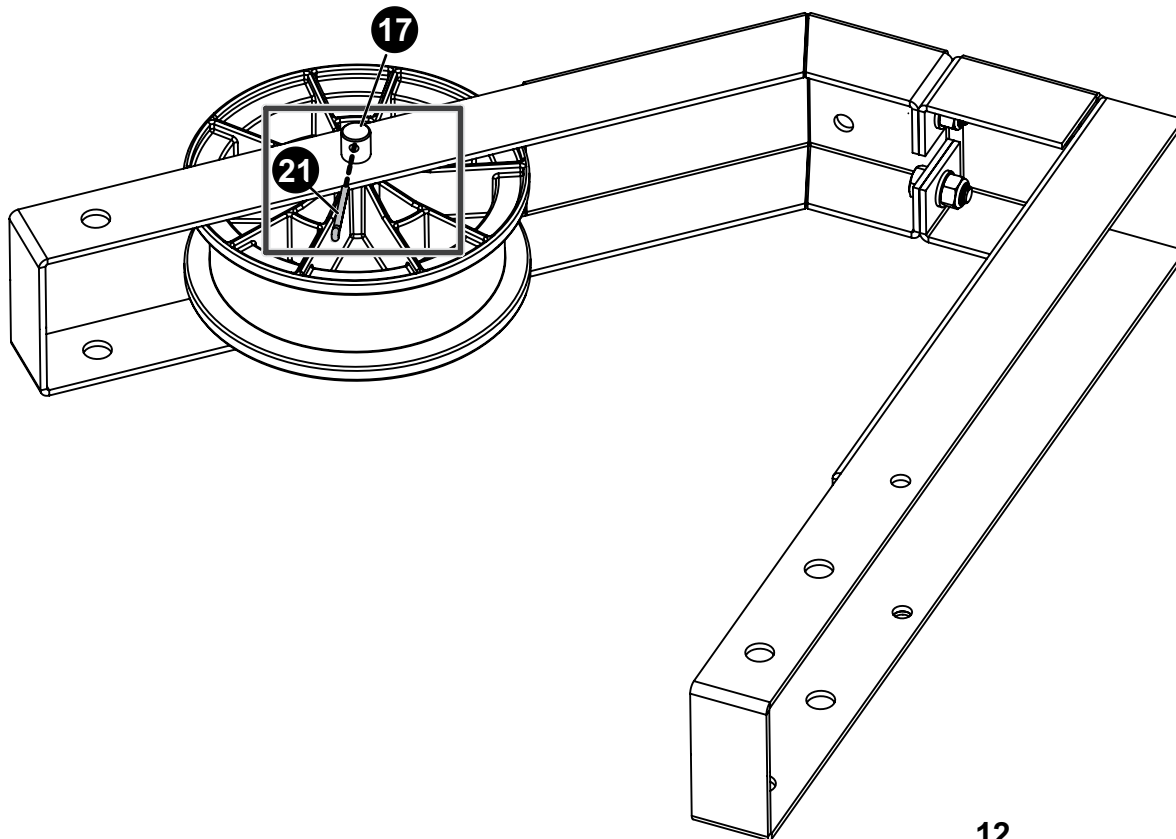
HARDWARE NEEDED (ACTUAL SIZE)



COTTER PIN
7B-6547-00
(QTY. 1)

6. Insert **Cotter Pin #21** into Pin #17. See **Detail A**.

7. Bend both **prongs on Cotter Pin #21** until pin is secure. See **Detail B & Detail C**.

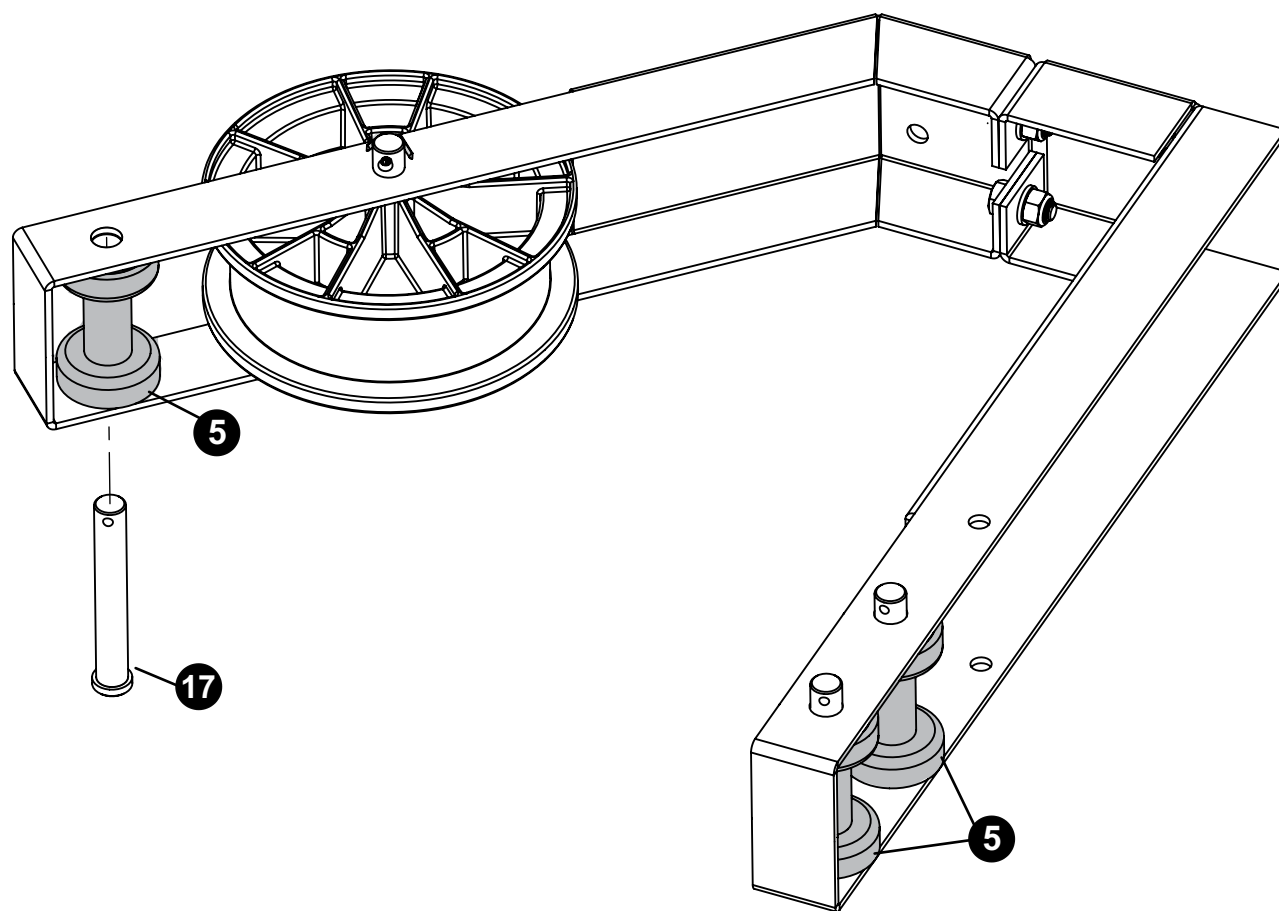


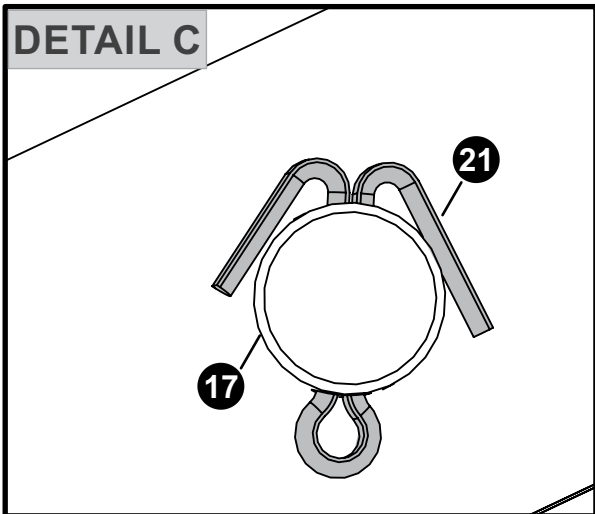
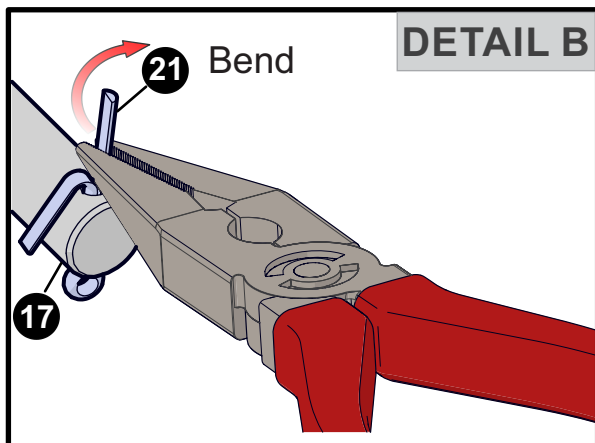
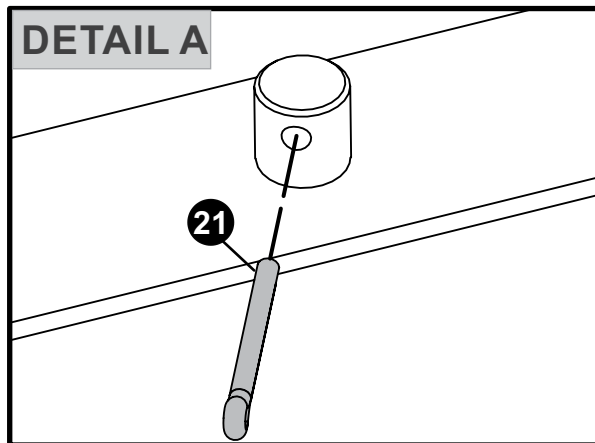
8. Place Rollers #5 in Brackets and insert Pins #17 as shown.

HARDWARE NEEDED (ACTUAL SIZE)

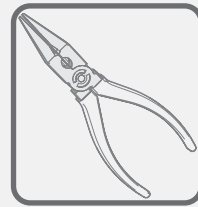


1/2"X4" PIN
7B-6545-00
(QTY. 3)





TOOLS NEEDED

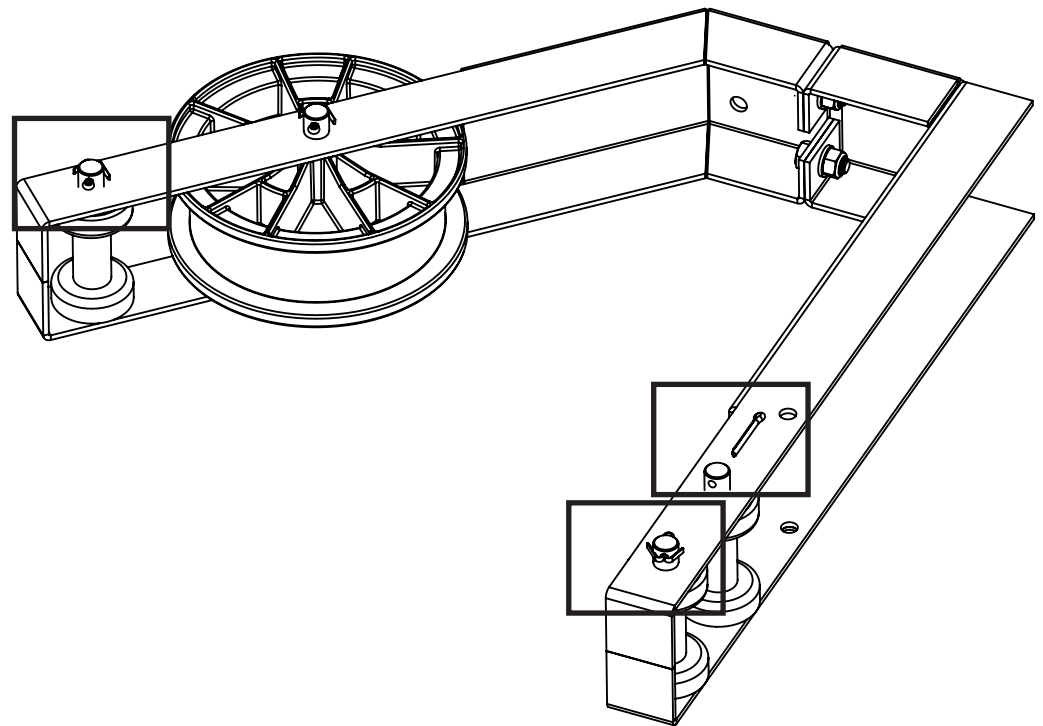


HARDWARE NEEDED (ACTUAL SIZE)

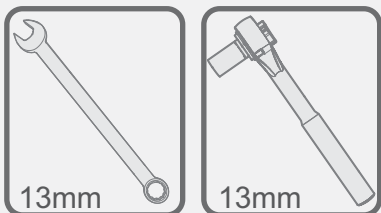


COTTER PIN
7B-6547-00
(QTY. 3)

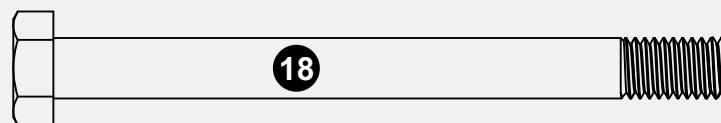
9. Insert **Cotter Pin #21** into Pin #17. **See Detail A.**
10. Bend both **prongs on Cotter Pin #21** until pin is secure.
See Detail B & Detail C.



TOOLS NEEDED



HARDWARE NEEDED (ACTUAL SIZE)



HEX HEAD BOLT M8 X 90mm
1B-7157-00

(QTY. 1)



M8 WASHER
2B-6797-00

(QTY. 2)



M8 LOCKNUT
2B-6808-00

(QTY. 1)

11. Insert Lock #6 in Bracket #3 and attach with hardware as shown in **Detail A**.

NOTE

DO NOT over-tighten hardware, Lock must be able to pivot freely.

NOTE:
Lip goes to the outside as shown.

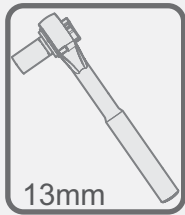
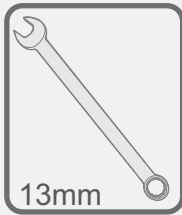
DETAIL A

DO NOT over-tighten.

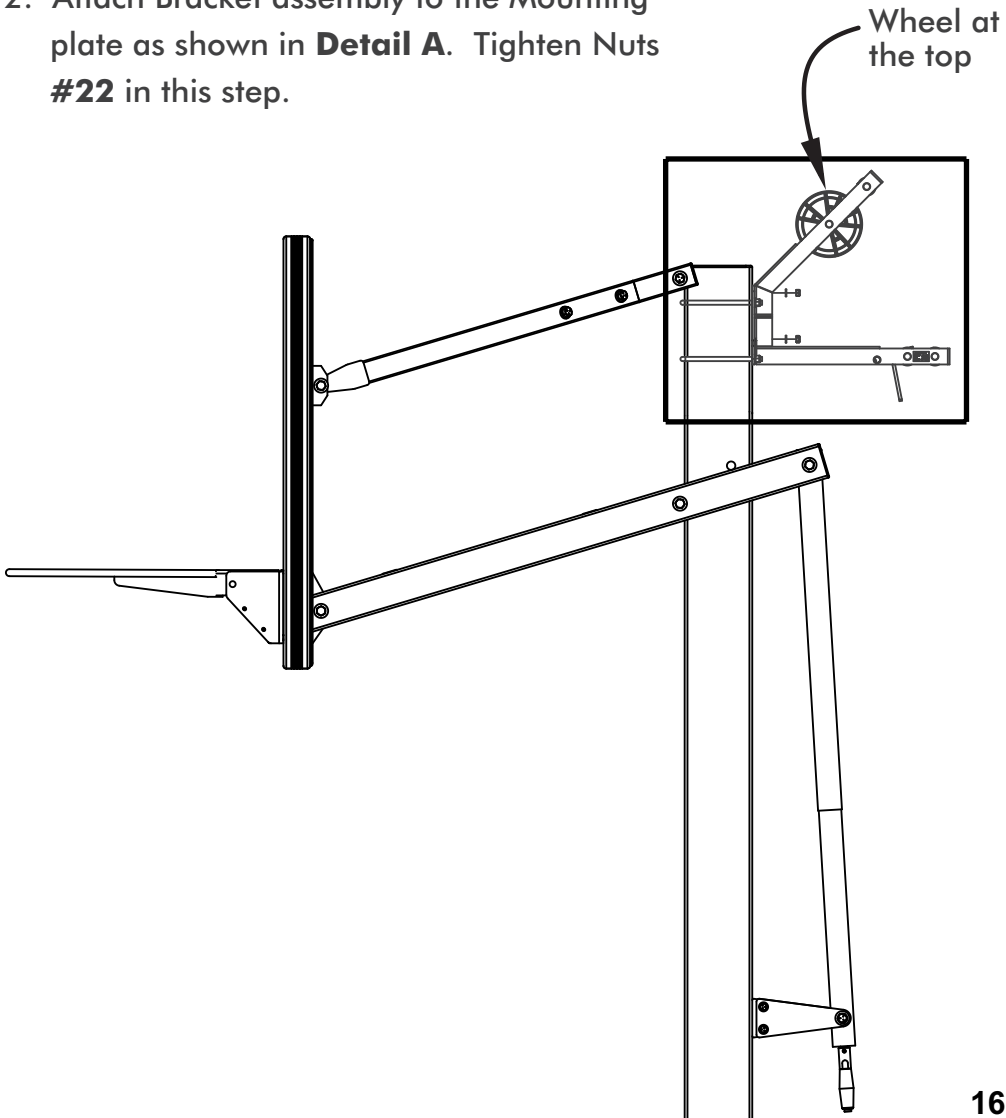
Lock #6 must pivot freely

NOTE:
Lip goes to the outside as shown.

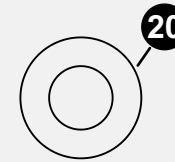
TOOLS NEEDED



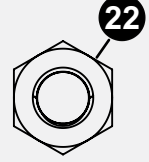
12. Attach Bracket assembly to the Mounting plate as shown in **Detail A**. Tighten Nuts **#22** in this step.



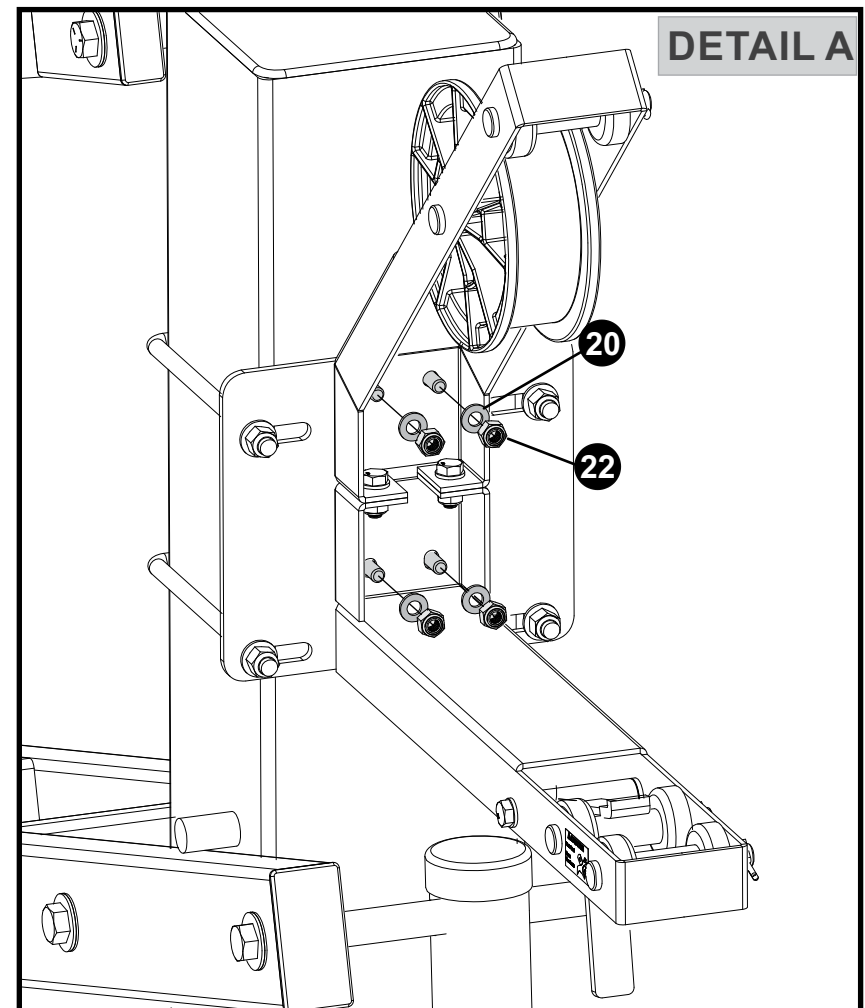
HARDWARE NEEDED (ACTUAL SIZE)



M8 WASHER
2B-6797-00
(QTY. 4)



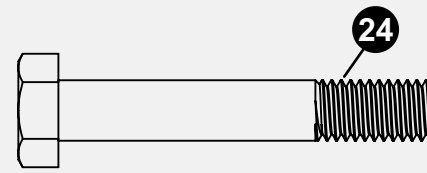
M8 LOCKNUT
2B-6808-00
(QTY. 4)



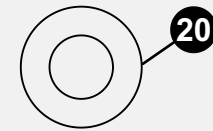
13. Attach **Junction box** to **light bar** **FIRST**. Tighten Bolt and Nut securely. See **Detail A**.
14. Attach **LED** lights to **light bar #8** with hardware shown, but do not tighten until the light bar and light brackets are lined up. Once lined up tighten Nut **#31** and Bolts **#25**.

NOTE: Raise both light brackets as shown.

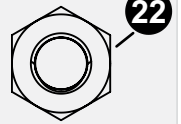
HARDWARE NEEDED (ACTUAL SIZE)



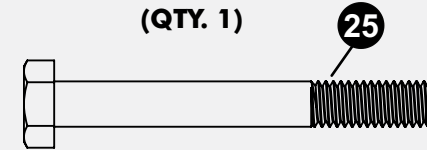
M8X50mm BOLT
1B-7158-00
(QTY. 1)



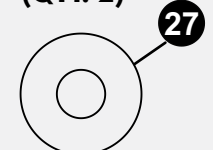
M8 WASHER
2B-6797-00
(QTY. 2)



M8 LOCKNUT
2B-6808-00
(QTY. 1)



M6 X 50mm BOLT
1B-7159-00
(QTY. 4)

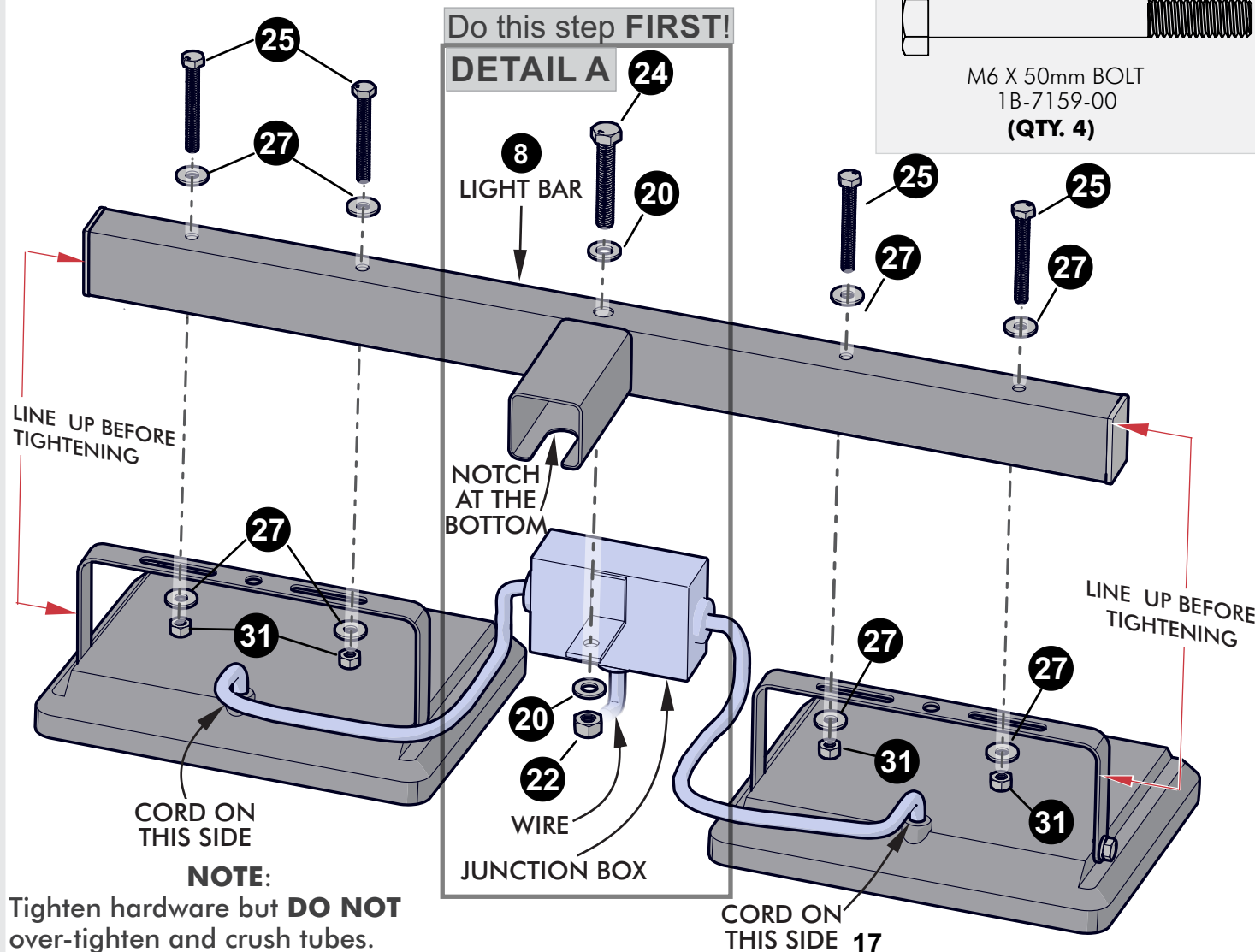
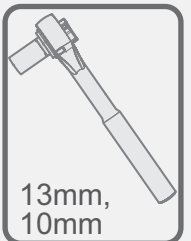


M6 WASHER LARGE
2B-6014-00
(QTY. 8)

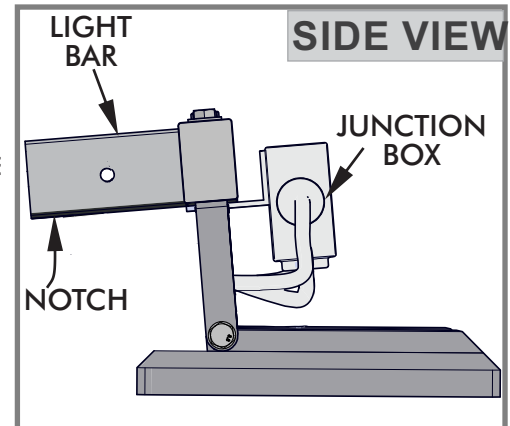


M6 LOCKNUT
2B-6142-00
(QTY. 4)

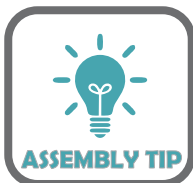
TOOLS NEEDED



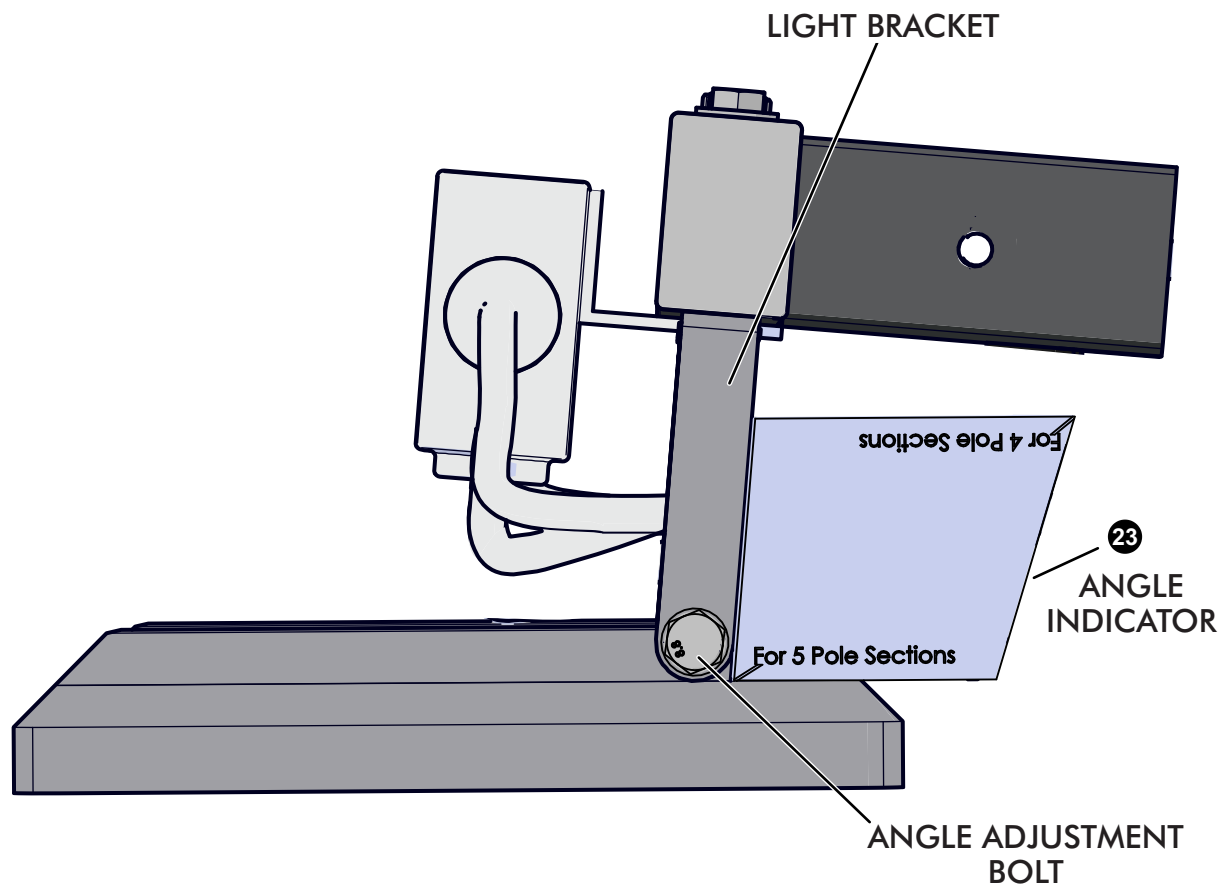
SIDE VIEW



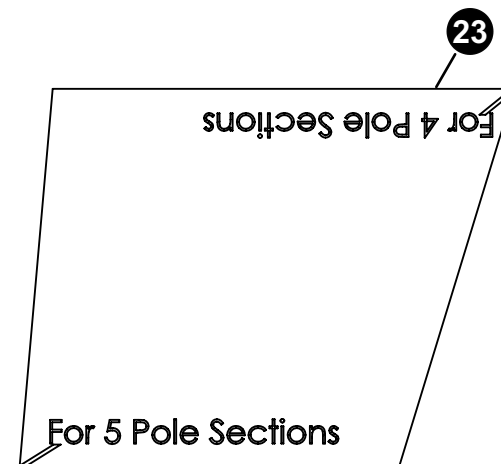
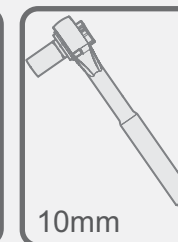
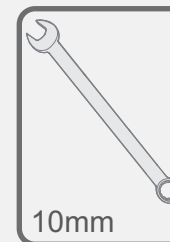
15. Align the Angle Indicator **#23** to the light bracket to match the angle. Use the side that says "For 5 Pole sections" as shown in the picture below. When the **bracket** and the **angle indicator** line up tighten **angle adjustment bolts**, this will secure the light with the correct angle position.



For initial installations it is recommended to set the angle to "5 poles sections". In the event that you want your light closer to the backboard you can take out one center pole section **10B** (will be shown in later steps).



TOOLS NEEDED



ANGLE INDICATOR
(TO SCALE)
2L-7625-00
(QTY. 1)

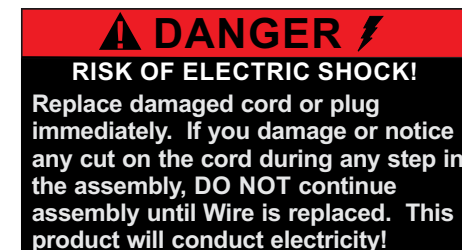
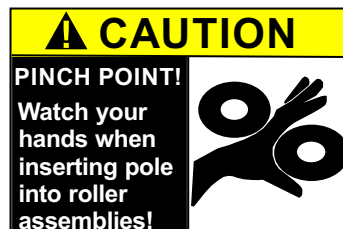
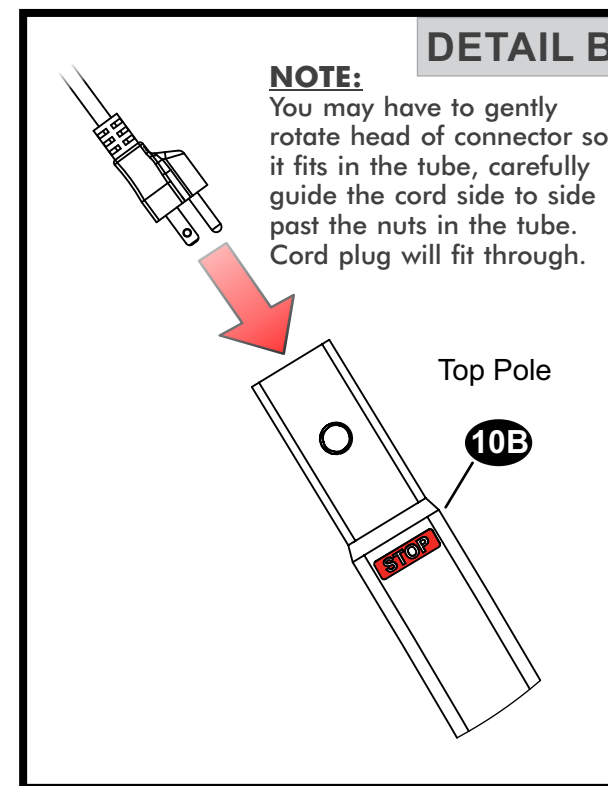
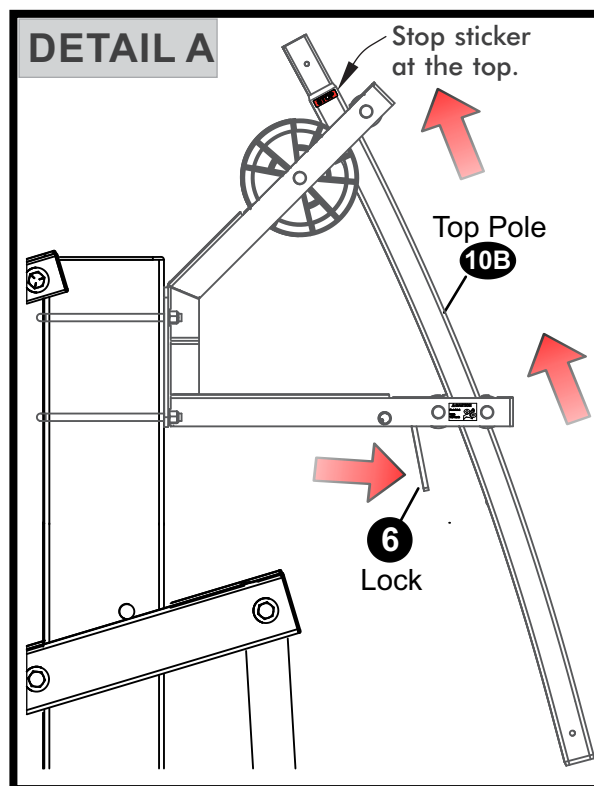
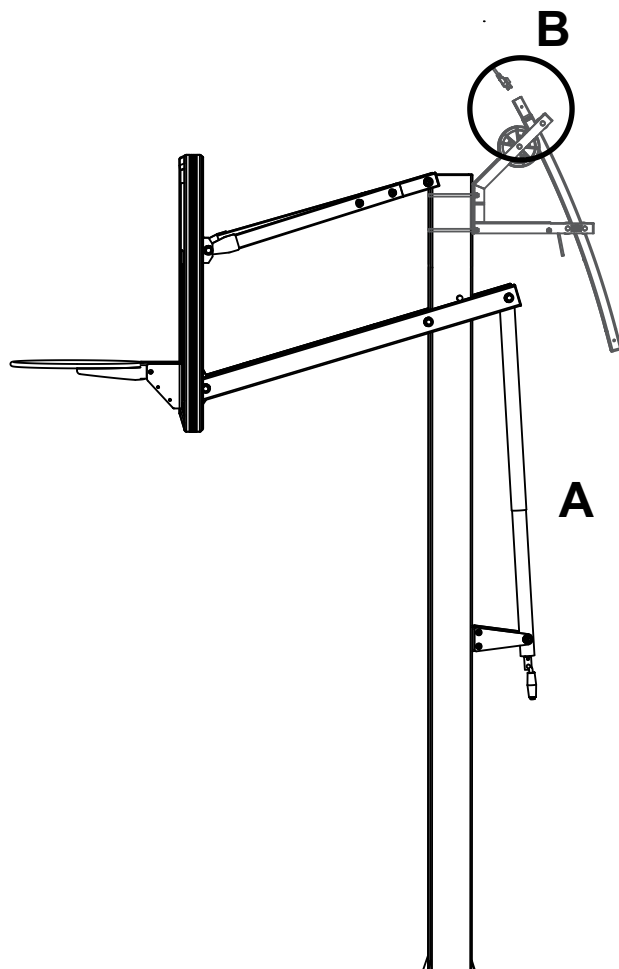
NOTE: Angle indicator **#23** is packed with these instructions. In the event that it is lost, cut the one above out and use it as a template.

TOOLS NEEDED



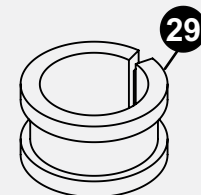
THE FOLLOWING STEPS REQUIRE 2 PEOPLE.

16. Pull back on the Lock #6 and insert Pole #10B through **Rollers** on bottom bracket and the **Wheel** on Upper Bracket as shown in **Detail A**. When in the location shown, let go of the lock break #6 and the pole will stay in place. **Do not** place the pole too high, the power cord still needs to go in it.
17. Have a second person hand you the power cord, then Insert it into Pole #10B until it comes out the other end. You may have to rotate the head of the connector plug so it fits into the tube.

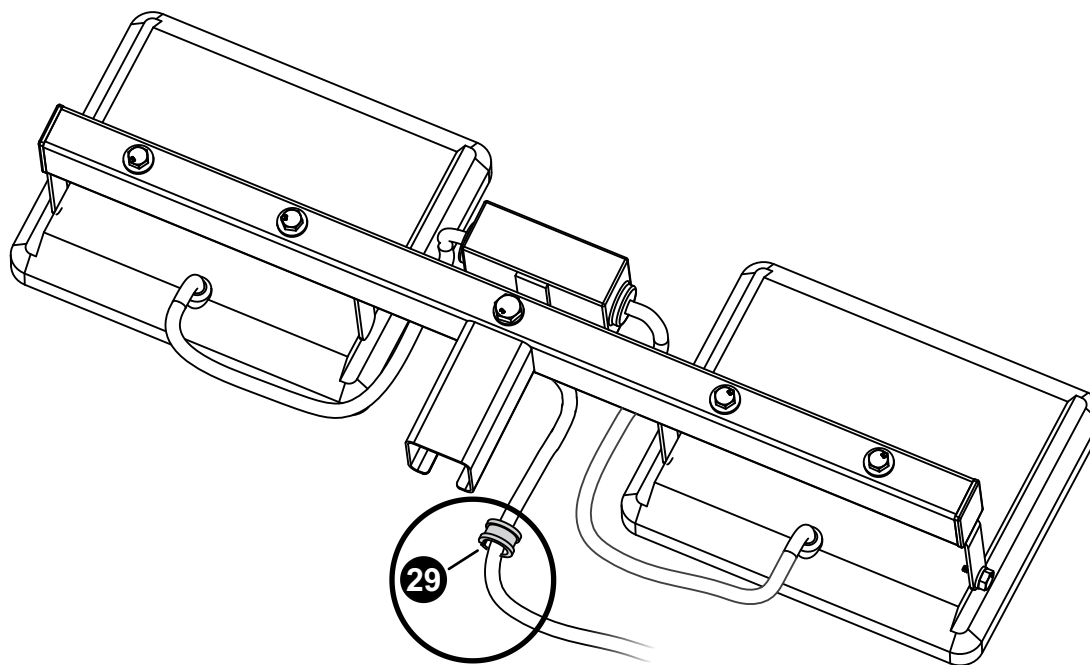


18. Install Cable Grommet **#29** on Power cord and slide close to the location shown. Don't let it slide down the cord too far it will need to be close to this location for the next step.

HARDWARE NEEDED (ACTUAL SIZE)

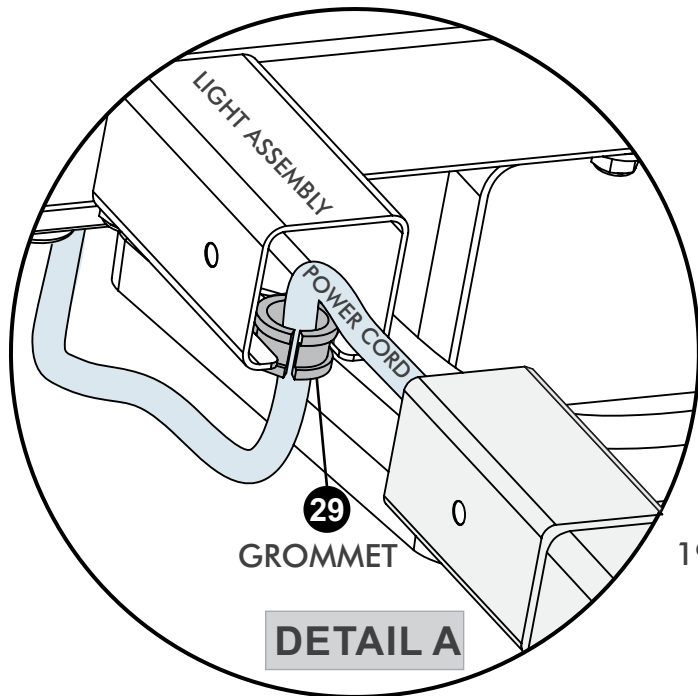


CABLE GROMMET
3M-9047-00
(QTY. 1)

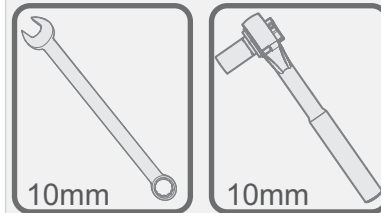


NOTE:

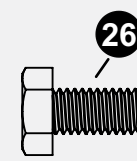
Cable Grommet **#29** will be stiff but it will fit on the Power cord. **Do not** use any tools that could break the Grommet.



TOOLS NEEDED



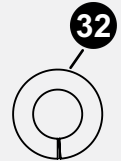
HARDWARE NEEDED (ACTUAL SIZE)



M6 X12mm
1B-7160-00
(QTY. 2)



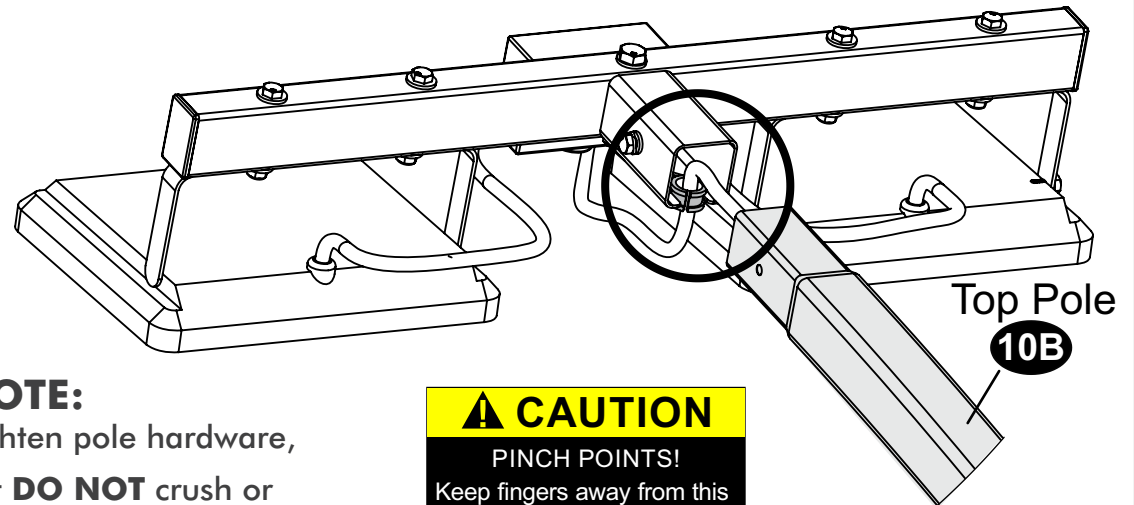
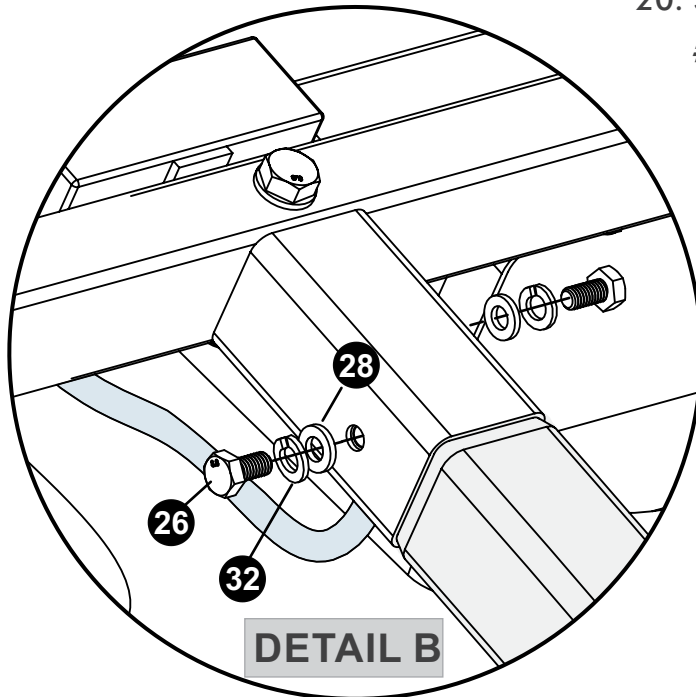
M6 WASHER
2B-6827-00
(QTY. 2)



M6 LOCK WASHER
2B-6828-00
(QTY. 2)

THE FOLLOWING STEPS REQUIRE 2 PEOPLE.

19. Have a second person hand you the light assembly (don't let the grommet slide down the cord too far). Slide grommet #29 in **notch** located in light assembly and insert light assembly pole into Top pole #10B. See **Detail A**.
20. Secure light assembly with hardware shown in **Detail B**. Tighten bolts #26 at this time.

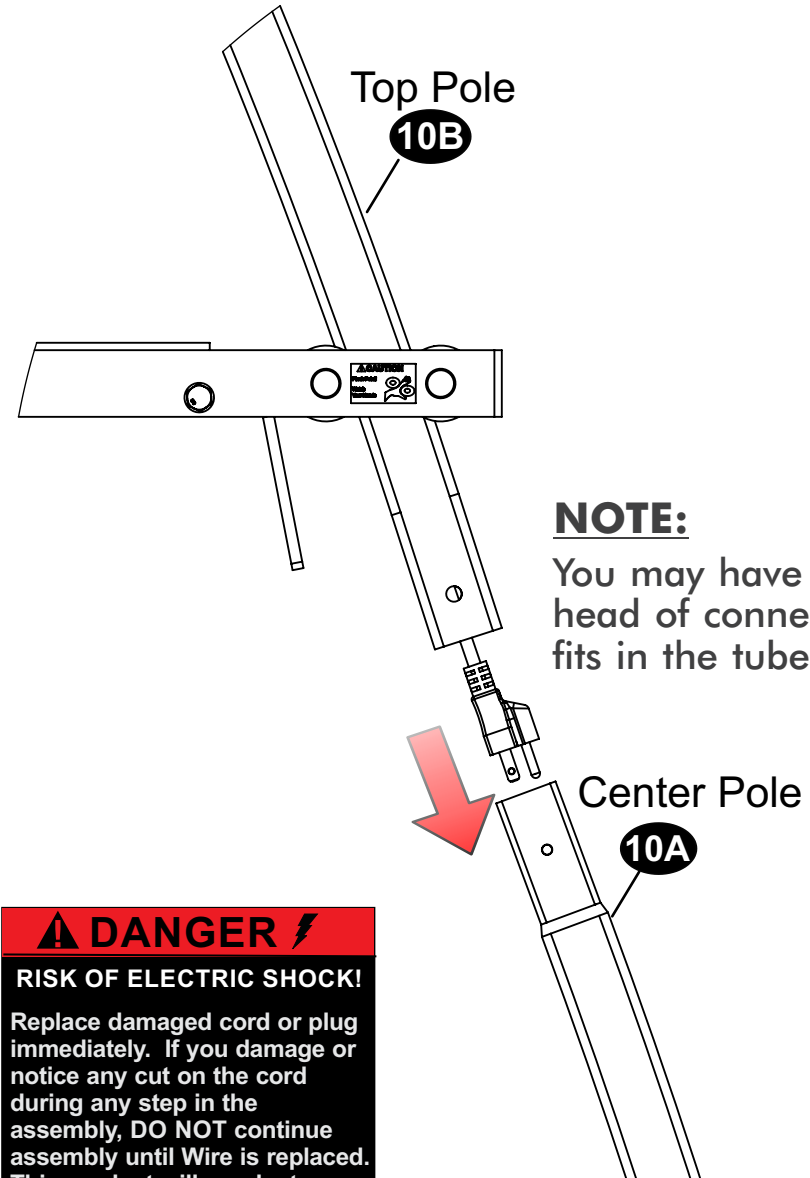
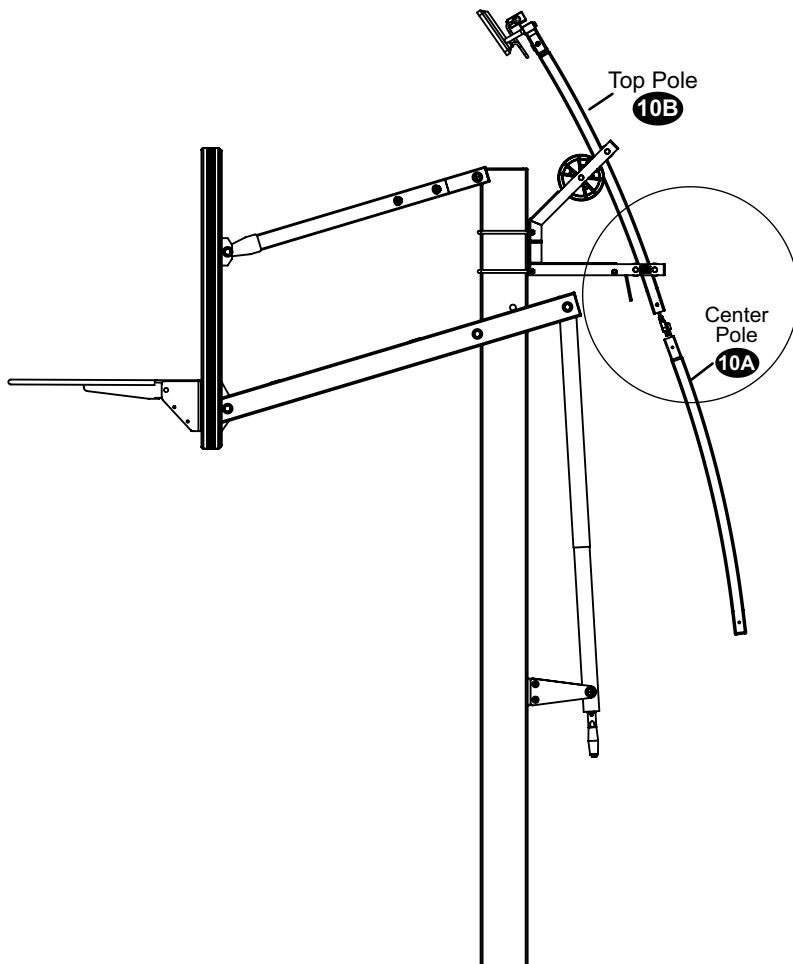


NOTE:
Tighten pole hardware,
but **DO NOT** crush or
deform tubes.

⚠ CAUTION

PINCH POINTS!
Keep fingers away from this
location when inserting poles
into each other.

21. Insert power cord into Center Pole #10A until it comes out the other end. You may have to rotate the head of the connector so it fits in the tube.



NOTE:

You may have to rotate head of connector so it fits in the tube.

⚠ DANGER ⚡

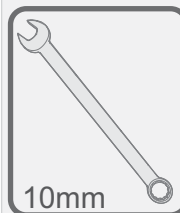
RISK OF ELECTRIC SHOCK!

Replace damaged cord or plug immediately. If you damage or notice any cut on the cord during any step in the assembly, DO NOT continue assembly until Wire is replaced. This product will conduct electricity!

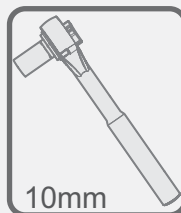
⚡ WARNING

When raising the Hoop Light, stay clear of all overhead power, electrical, telephone wires, and obstacles. Any contact between the Hoop Light and any of these lines will result in immediate danger.

TOOLS NEEDED

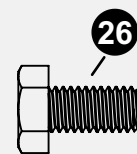


10mm



10mm

HARDWARE NEEDED (ACTUAL SIZE)



M6 X12mm
1B-7160-00
(QTY. 2)

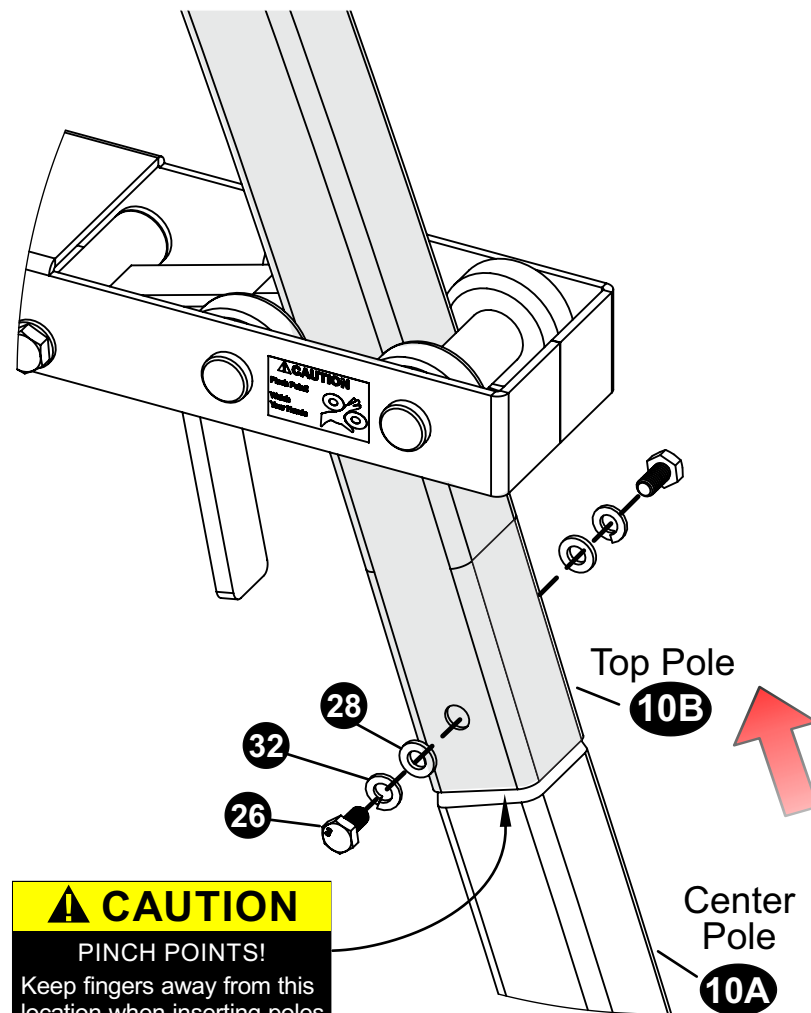
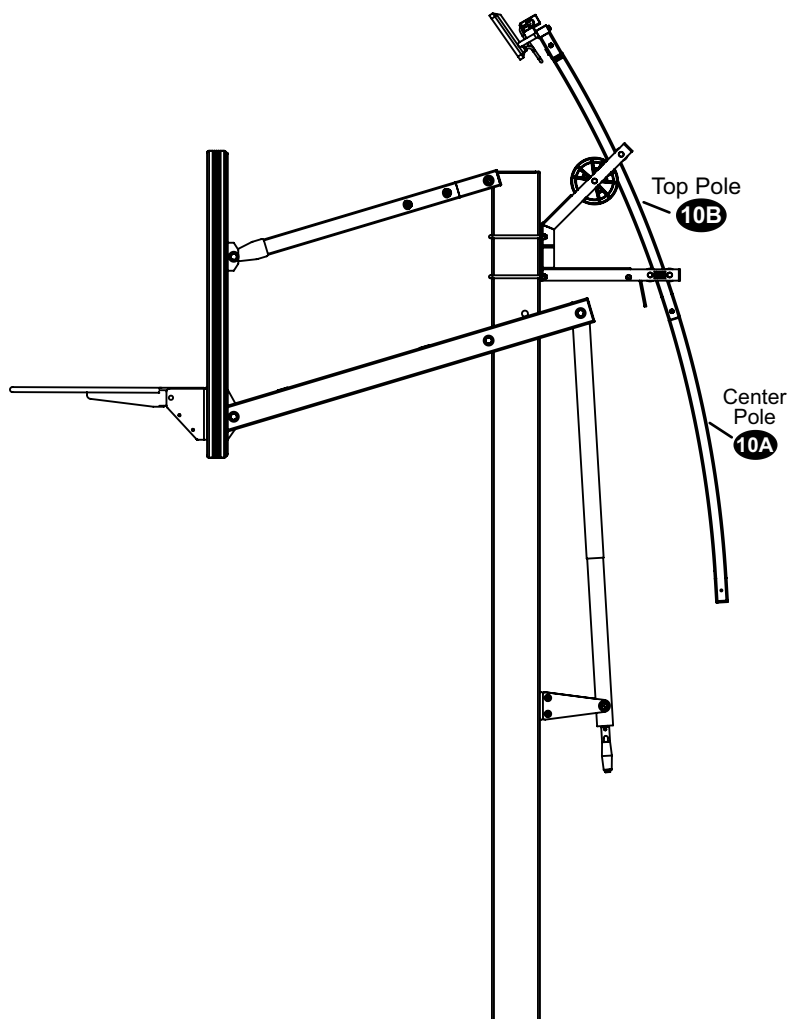


M6 WASHER
2B-6827-00
(QTY. 2)



M6 LOCK WASHER
2B-6828-00
(QTY. 2)

22. Insert Center Pole **#10A** into Top Pole **#10B** and secure with hardware shown in diagrams.
23. **Repeat** steps on page **#21** & page **#22** for next three Center poles **#10A** and then the bottom Pole **#9**.



⚠ CAUTION

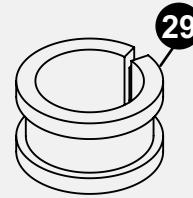
PINCH POINTS!

Keep fingers away from this location when inserting poles into each other.

24. Attach Cable Grommet #29 on power cord and slide grommet in the **notch** located in the bottom of Pole #9. See **Detail A**.

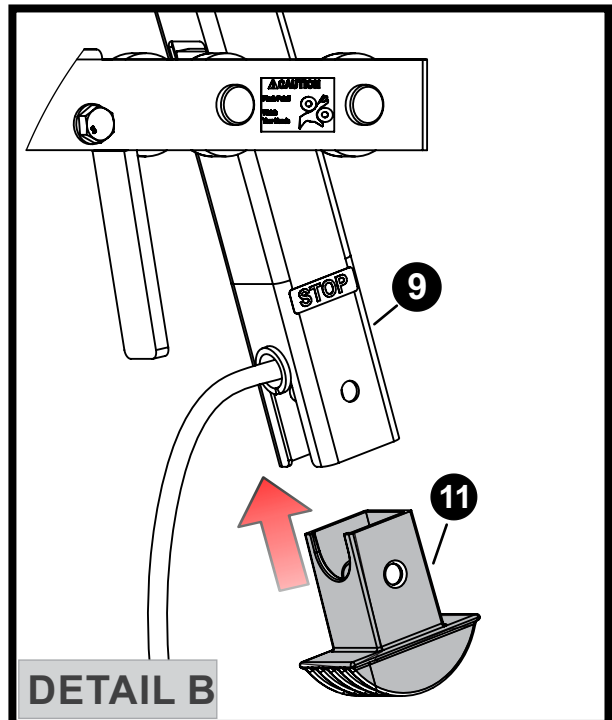
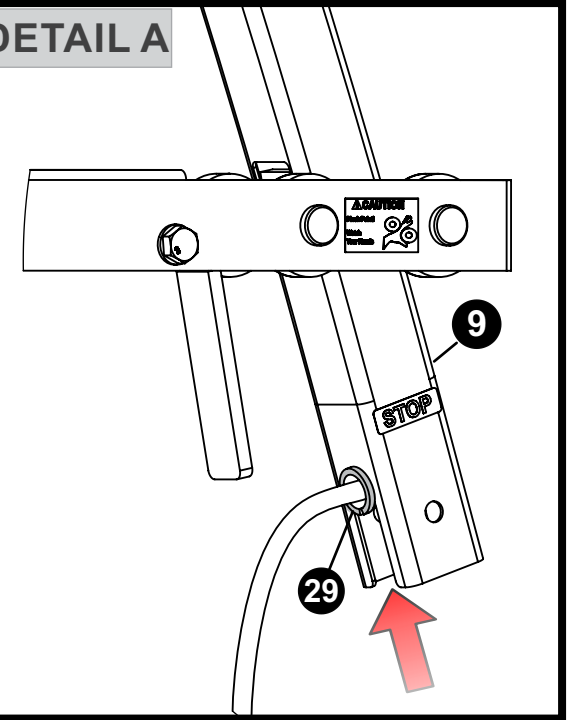
25. Insert Tube Cap shown in **Detail B**. You may need to tap the cap gently with the palm of you hand. **DO NOT** use a hammer to install the cap.

HARDWARE NEEDED



CABLE GROMMET
3M-9047-00
(QTY. 1)

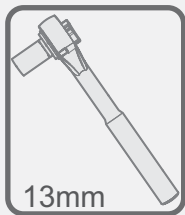
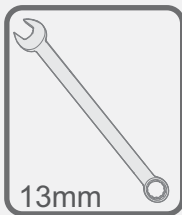
DETAIL A



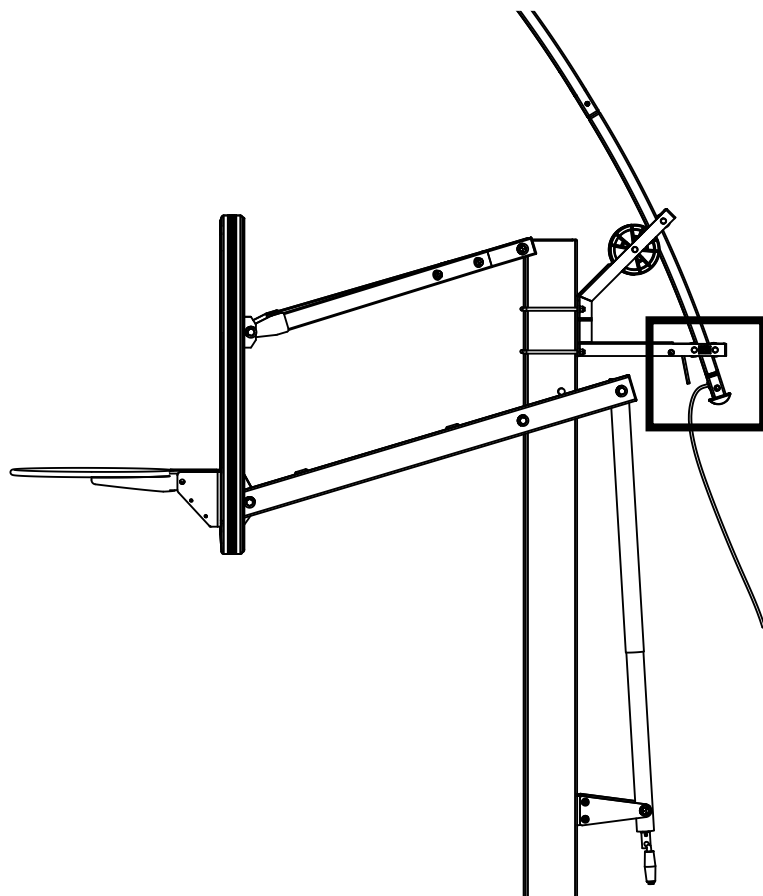
NOTE

To insert the Cap #11 you may need to tap the cap gently with the palm of you hand. **DO NOT** use a hammer to install the cap.

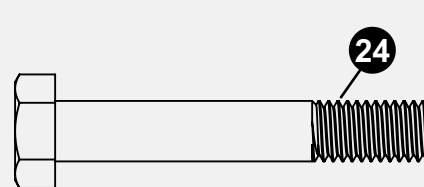
TOOLS NEEDED



26. Secure Tube Cap to lower pole with hardware shown.



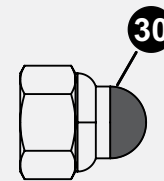
HARDWARE NEEDED (ACTUAL SIZE)



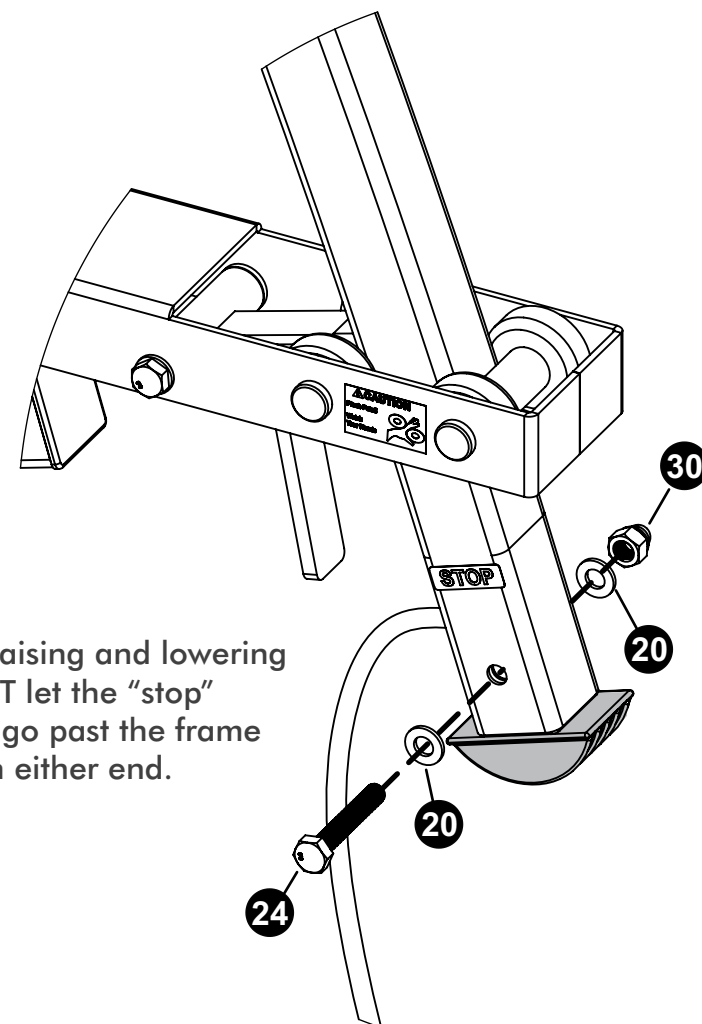
M8X50mm BOLT
1B-7158-00
(QTY. 1)



M8 WASHER
2B-6797-00
(QTY. 2)



M8 LOCK NUT WITH CAP
2B-6829-00
(QTY. 1)



NOTE:

When Raising and lowering
DO NOT let the "stop"
stickers go past the frame
work on either end.

CAUTION

- DO NOT LOOK DIRECTLY INTO LAMP/LIGHTS!
- LAMP SURFACE GETS HOT! UNPLUG LAMP AND ALLOW TO COOL BEFORE TOUCHING THE SURFACE OF THE LAMP.
- NEVER TRY TO OPEN THE LAMP/LIGHT HOUSING!
- DO NOT OPERATE WITH ANY BROKEN PIECES OR DAMAGED CORD!
- THIS IS NOT AN INDOOR LAMP.
- THIS LAMP SHOULD NEVER BE IN OR NEAR A WET SURFACE. NEVER USE NEAR A SWIMMING POOL, HOT TUBE OR SAUNA, OR STANDING BODY OF WATER.
- DO NOT OPERATE THIS LAMP IN THE RAIN!
- ALWAYS INSERT THE PLUG INTO THE OUTLET CAREFULLY.
- WHEN NOT IN USE UNPLUG AND WRAP CORD AROUND THE POST EARS OF THE BASKETBALL SYSTEM. ALWAYS KEEP CORD OFF GROUND OR ANY BODY OF WATER.

CARE AND MAINTANACE INFORMATION

- Clean lamp glass surface using only a 100% Cotton soft cloth and glass cleaner. Clean glass as you would clean household windows. Strong cleansers will damage lights and void warranty.
- Touch up: If any type of touch up is needed for the paint or if rust should appear, remove loose paint, sand lightly, primer and paint with exterior flat matte finish.
- It is recommended to lower your hoop light to the lowest position when it will not be in use for long periods of time, specially during bad weather or very windy conditions.

90 DAY LIMITED WARRANTY

This consumer warranty extends to the original consumer purchase of any ESCALADE SPORTS® Product (hereinafter referred as the "Product").

WARRANTY DURATION: This Product is warranted to the original consumer purchase of a period of ninety (90) days from the original purchase.

WARRANTY COVERAGE: ESCALADE SPORTS warrants to the original Consumer Purchaser that any Product of its manufacture is free from defects in material and workmanship when used for the intended purpose under normal use and conditions. THIS WARRANTY IS VOID IF THE PRODUCT HAS BEEN DAMAGED BY ACCIDENT, UNREASONABLE USE, NEGLIGENCE, IMPROPER SERVICE, FAILURE TO FOLLOW INSTRUCTIONS PROVIDED WITH THE PRODUCT OR OTHER CAUSES NOT ARISING OUT OF DEFECTS IN MATERIAL AND WORKMANSHIP.

WARRANTY PERFORMANCE: During the above ninety (90) day warranty period, ESCALADE SPORTS shall repair or replace with a comparable model, and Product, or component thereof, which may prove defective under normal use and proper care, and which our examination shall disclose to our satisfaction to be thus defective, please contact our Warranty Dept.

1-866-873-3528 / Warranty Dept.

Or Write us at:

Escalade® Sports, Inc. - P.O. Box 889, Evansville, IN 47706 - Attn: Warranty Dept.

Or E-mail us at:

customerservice@escaladesports.com

Other than shipping requirements no charge will be made for such repair or replacement of in-warranty Products. ESCALADE® SPORTS strongly recommends that the Product is insured for value prior to mailing.

WARRANTY DISCLAIMERS: ANY IMPLIED WARRANTIES ARISING OUT OF THIS SALE, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE ABOVE NINETY (90) DAY WARRANTY PERIOD. ESCALADE® SPORTS SHALL NOT BE LIABLE FOR LOSS OF USE OF THE PRODUCT OR OTHER CONSEQUENTIAL OR INCIDENTAL COSTS, EXPENSES OR DAMAGES INCURRED BY THE CONSUMER OF ANY OTHER USE.

Some states do not allow the exclusion or limitation of implied warranties or consequential or incidental damages, so the above limitations or exclusions may not apply to you.

LEGAL REMEDIES: This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.