MODEL N° 90180

OWNER'S MANUAL

COPY

Keep this Product ID Number and use when contacting Customer Service:

REGISTER YOUR PRODUCT ONLINE AT WWW.LIFETIME.COM

At Lifetime, we are committed to providing innovative and quality products. While registering, you will have the opportunity to give us your feedback. Your input is valuable to us.

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- In the unlikely event of a product recall or safety modification, your registration provides the information we need to notify you directly.
- Registration is fast, easy, and completely voluntary.

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Maintaining your privacy is our long-standing policy at Lifetime. And you can rest assured that Lifetime will not sell or provide your personal data to other third parties, or allow them to use your personal data for their own purposes.

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REGISTER today!

Save this instruction in the event that the manufacturer has to be contacted for replacement parts.

****U.S. and Canada customers ONLY****

IF ASSISTANCE IS NEEDED,

DO NOT CONTACT THE STORE!

CALL OUR CUSTOMER SERVICE DEPARTMENT at 1 (800) 225-3865

HOURS: 7:00 a.m. to 5:00 p.m. Monday through Friday (Mountain Standard Time)

Call, or visit our Web site for Saturday hours

For customers outside the U.S. or Canada, please contact the store for assistance.

COPY

SAFETY INSTRUCTIONS

FAILURE TO FOLLOW THESE WARNINGS MAY RESULT IN SERIOUS INJURY OR PROPERTY DAMAGE AND WILL VOID WARRANTY.

To ensure safety, do not attempt to assemble this product without reading and following all instructions carefully. Check the entire box and inside all packing materials for parts and/or additional instruction material. Before beginning assembly, identify and inventory all parts and hardware using the parts and hardware lists and identifiers in this document. Proper and complete assembly, use and supervision are essential for proper orientation and to reduce the risk of accident or injury. A high probability of serious injury exists if this product is not installed, maintained, and/or operated properly. Failure to comply with any of the warnings in this instruction manual may result in serious personal injuries such as cuts, broken bones, nerve damage, paralysis, brain injury, or death. Failure to comply may also result in property damage. Please heed all warnings and cautions.

- If using a ladder during assembly, use extreme caution.
- At least six capable adults are recommended for this operation.
- Assemble the pole properly. Failure to do so could cause serious injury or property damage.

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

SAFE HANDLING OF THE GLASS BACKBOARD

BEFORE & DURING ASSEMBLY

1. Thoroughly inspect the Backboard before beginning assembly. Do not use the Backboard if there are any chips, cracks, or other defects in the board. Call our Customer Service Department if any problems are found.
2. Use extreme caution when handling or working around the Backboard.
3. Keep tools, hardware, and other sharp and heavy objects away from the Backboard.
4. Never rest the Backboard directly on a hard surface, such as concrete or pavement. Always place cardboard or other cushioning material between the Backboard and the ground or other hard surfaces.
5. Always lay the Backboard flat. Never place it in a position where it might tip over and break.
6. Glass is very heavy. Always use at least two adults when picking up or moving the Backboard.

GENERAL HANDLING & CARE

1. Inspect the Backboard before each use. Do not use the Backboard if there are any chips, cracks, or other defects in the board. If any signs of damage are found, follow the instructions for "Handling Broken Glass" below.
3. Use extreme caution when handling or working around the Backboard.
4. The Backboard was designed for use with a Basketball. Do not use other types of balls or other objects with the system. Do not use this system for any purpose other than its designed purpose.

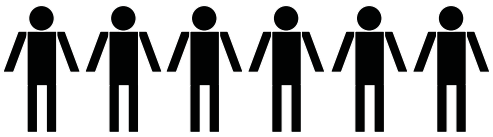
HANDLING BROKEN GLASS

At the first sign of breakage:

1. Keep everyone, especially children, away from the immediate area of the Backboard.
2. Put on eye protection, and wear thick utility gloves and long sleeves. Small pieces of tempered glass may pop out of the Backboard.
3. Lower the Backboard to its lowest height, and completely cover the Backboard with a tarp.
4. Do not remove the Backboard from the system without first lowering the system to its lowest setting. Carefully read and follow the "Removing Backboard from System" instructions below.

REMOVING BACKBOARD FROM SYSTEM

See Section 7 of this manual for instructions on how to safely remove the backboard from the system.



Six adults required to complete assembly

Only adults should set up the product. Do not allow children in the setup area until assembly is complete.

BEFORE BEGINNING ASSEMBLY

A. Keep the hardware bags and their contents separate. If any parts are missing, call our Customer Service Department.
B. Test fit all Bolts by inserting them into their respective holes. If necessary, carefully scrape away any excess powder coating buildup from inside the holes. Do not scrape away all of the powder coating. Bare metal may rust. You may need to pound some Bolts into place with a hammer or mallet.

This system comes in 3 boxes.
Do not attempt assembly until all 3 boxes have arrived.*

TOOLS AND PARTS REQUIRED FOR THIS ASSEMBLY

1/2"

(2)

3/4"

(1)

15/16"

(2)

9/16"

(2)

Adjustable Wrench

(1, optional)

1/4" Allen Wrench

(1)

3/8" Allen Wrench

(1)

Rubber Mallet

(1)

Flathead Screwdriver

(1)

Cement

(1/2 yard or
80lb bag x 20)

Shovel

(1)

Carpenter's Level

(1)

Tape Measure

(1)

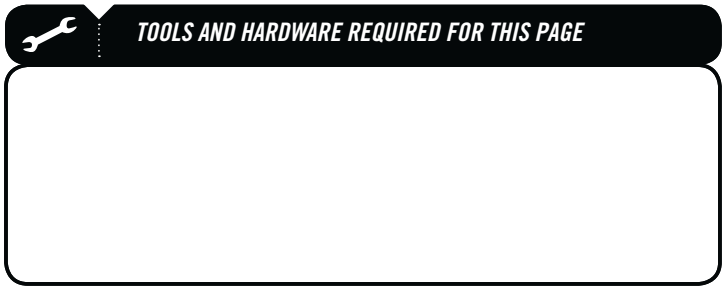
Ladder

(2+)

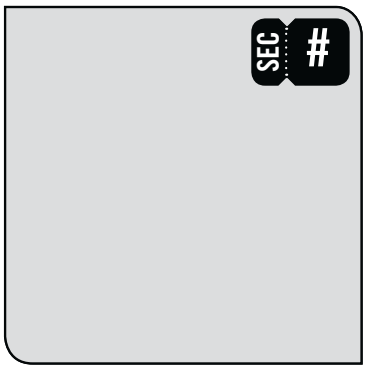
ASSEMBLY GUIDES

Refer to the following areas throughout the instructions to assist in the assembly process:

This area is located at the top, left-hand corner of the page and indicates which tools and hardware are needed to complete the assembly steps on a page.



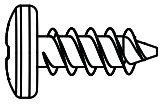
This area is located at the top, right-hand corner of the page and shows an image of the product with shaded parts indicating which section is being assembled.



This area is usually located in the bottom, left-hand corner of a step and indicates that special attention is needed to perform a particular part of a step.

These areas are usually located in the bottom, right-hand corner of a step and indicate that damage to the product or serious injury may occur if the caution or warning is not heeded.

Throughout the Parts & Hardware List, Part & Hardware Identifiers, and instructions are three-letter IDs. These IDs are below the images of the parts and hardware to help you locate and identify the parts and hardware during assembly. These IDs are not necessarily on the parts themselves.



ADZ (x10)
1/4” x 5/8” Pan-Head Screw

PARTS LIST

ID	Item Description	Qty	✓
CZA	***Parts Box 1***		
ALG	Pole	1	☐
AKD	Upper Extension Arm	2	☐
AKE	Lower Extension Arm Assembly	1	☐
AJR	Gas Spring	2	☐
AKG	Gas Spring Cover	2	☐
ALS	Lifter Arm	2	☐
AEZ	36" Rebar	4	☐
AEI	J-Bolt	4	☐
AKT	J-Bolt Template	1	☐
CXY	Left Cam Plate	1	☐
CXZ	Right Cam Plate	1	☐
AMT	Warning Sticker (Applied to Pole)	1	☐

ID	Item Description	Qty	✓
CZB	***Parts Box 2***		
AJI	Backboard	1	☐
CZC	***Parts Box 3***		
ALX	Rim	1	☐
AKZ	Net	1	☐
AKI	Lift Handle	1	☐
AMA	Rim Cover Plate	1	☐
CYA	Handle Bracket	2	☐
AMO	Trigger Pin	1	☐
AKX	Handle Lock Bracket	1	☐
ALC	Pad Lock with Key (not pictured)	1	☐
AKP	Height Sticker	1	☐

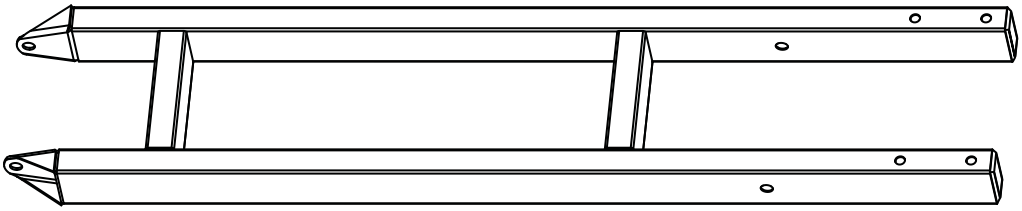
HARDWARE LIST

ID	Item Description	Qty	✓
CZD	***Setup Hardware***		
AEO	5/8" x 2" Hex Bolt	1	☐
CYV	5/8" Hex Nut Coupler	1	☐
AER	5/8" Hex Nut	8	☐
CZE	***Handle to Pole Assembly Hardware***		
CYL	5/16" x 5" Grade 2 Bolt	1	☐
CYD	1/2" x 8 5/8" Grade 8 Bolt	3	☐
DDX	5/8" x 8 5/8" Grade 8 Bolt	1	☐
CYC	5/8" Large Poly Spacer	2	☐
CYE	1/2" x 1.44" Spacer	4	☐
CYQ	5/8" x 1" Spacer	1	☐
DFY	5/8" x 1/4" Small Spacer	2	☐
CYF	1/2" Grade 2 Nylock Nut	3	☐
CYN	5/16" Nylock Nut	1	☐
CYG	5/8" Nylock Nut	1	☐
AEG	1/2" Plastic Washer	2	☐
AEH	5/8" Plastic Washer	2	☐
AJZ	Dark Lithium Grease (not pictured)	1	☐
AKH	Silicone Grease (White) (not pictured)	1	☐
CZF	***Extension Arms to Pole Assembly Hardware***		
CYI	5/8" x 11 1/4" Grade 5 Bolt	2	☐
CYJ	5/8" x 8 1/4" Grade 5 Bolt	1	☐
CYU	1/2" x 3 3/4" Grade 2 Bolt	4	☐
DEF	1/2" x 9" Grade 8 Bolt	1	☐
CYO	5/8" x 4 3/4" Spacer	1	☐
CYQ	5/8" x 1" Spacer	2	☐
CYP	5/8" x 2.9" Rubber Spacer	2	☐
AEG	1/2" Plastic Washer	4	☐
AEH	5/8" Plastic Washer	4	☐
CYM	1/2" x 7/8" Washer	4	☐
CYF	1/2" Grade 2 Nylock Nut	5	☐
CYG	5/8" Grade 2 Nylock Nut	3	☐

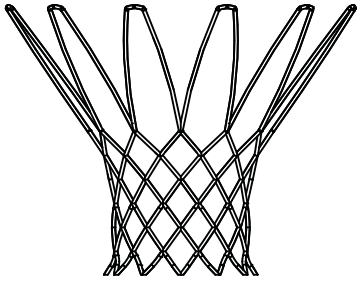
ID	Item Description	Qty	✓
BCR	***Backboard to Pole Assembly Hardware***		
CYJ	5/8" x 8 1/4" Grade 5 Bolt	1	☐
CYT	1/2" x 1 1/4" Grade 2 Bolt	2	☐
AEH	5/8" Plastic Washer	2	☐
AEG	1/2" Plastic Washer	6	☐
CYG	5/8" Grade 2 Nylock Nut	1	☐
CYF	1/2" Grade 2 Nylock Nut	2	☐
CZG	***Pole to J-Bolt Template Assembly Hardware***		
ADL	5/8" Nylock Nut	4	☐
AMS	5/8" Nylon Cap	4	☐
BIP	5/8" USS Washer	8	☐
CUA	5/8" Lock Washer	4	☐
BCS	***Rim to Backboard Assembly Hardware***		
ABY	3/8" x 1 3/4" Hex Bolt	4	☐
ADU	M8 x 0.8 Panhead Screw	2	☐
AAF	3/8" Flat Washer	8	☐
AAA	3/8" Nylock Nut	4	☐

PARTS IDENTIFIER

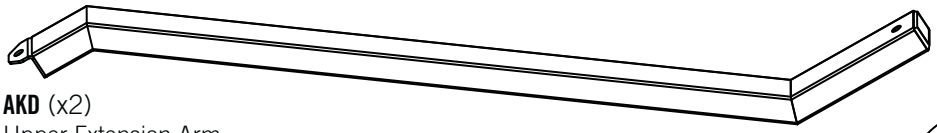
Parts shown at 10% of Actual Size



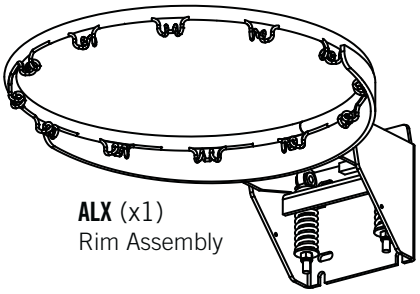
AKE (x1)
Lower Extension Arm Assembly



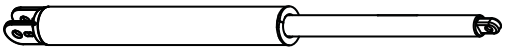
AKZ (x1)
Net



AKD (x2)
Upper Extension Arm

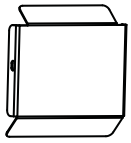


ALX (x1)
Rim Assembly



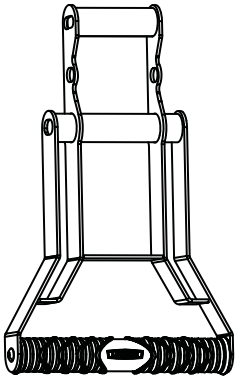
AJR (x2)
Gas Spring

AKG (x2)
Gas Spring Cover

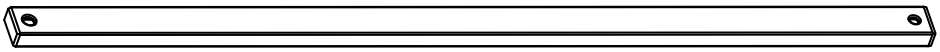


AMA (x1)
Rim Cover Plate

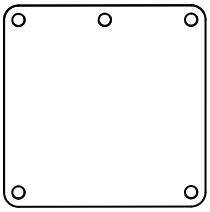
AEZ (x4)
36” Rebar



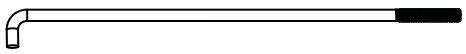
AKI (x1)
Lift Handle



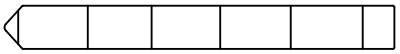
ALS (x2)
Lifter Arm



AKT (x1)
J-Bolt Template



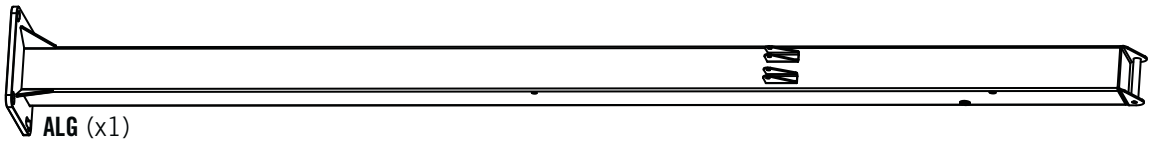
AEI (x4)
J-Bolt



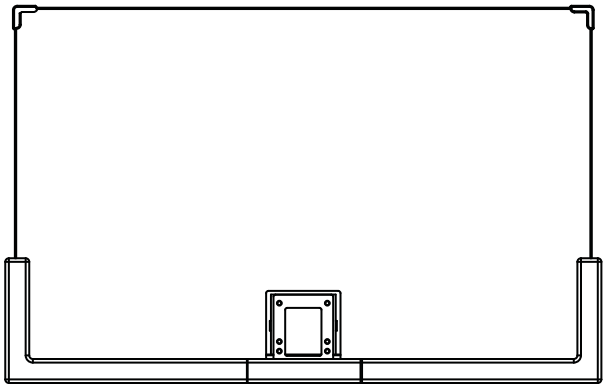
AKP (x1)
Height Sticker

PARTS IDENTIFIER

Parts shown at 5% of Actual Size

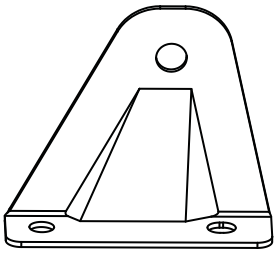


ALG (x1)
Pole

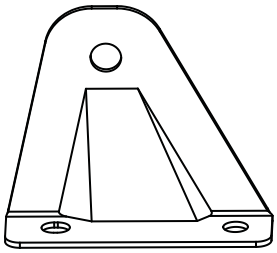


AJI (x1)
Backboard

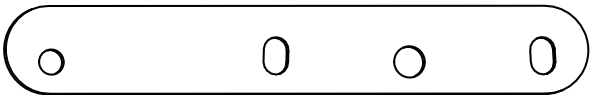
Part shown at 25% of Actual Size



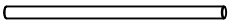
CXY (x1)
Left Cam Plate



CXZ (x1)
Right Cam Plate



CYA (x2)
Handle Bracket



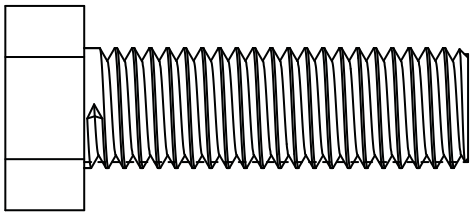
AMO (x1)
Trigger Pin

AKX (x1)
Handle Lock Bracket

HARDWARE IDENTIFIER

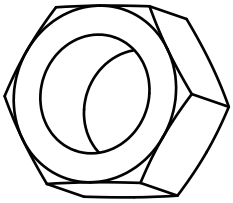
SETUP HARDWARE [CZD]

Hardware shown at Actual Size



AEO (x1)
5/8" x 2" Hex Bolt

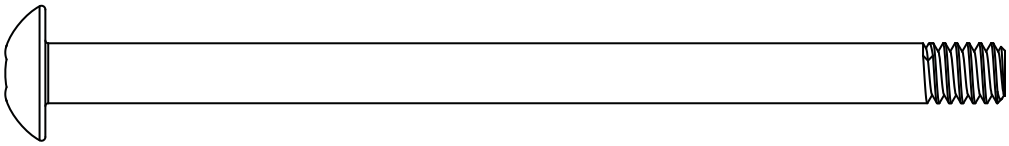
CYV (x1)
5/8" Hex Nut Coupler



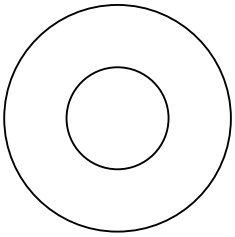
AER (x8)
5/8" Hex Nut

HANDLE TO POLE ASSEMBLY HARDWARE [CZE]

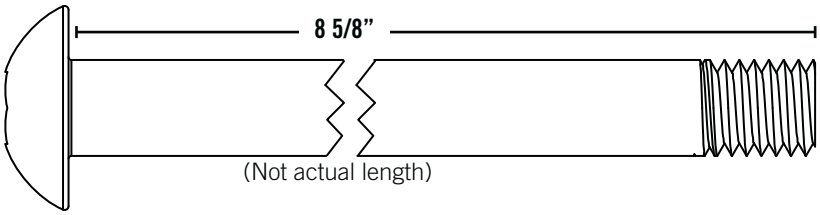
Hardware shown at Actual Size



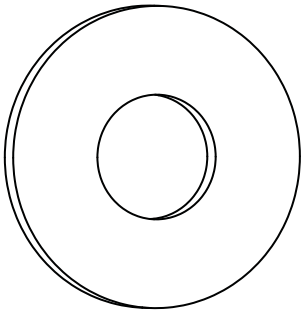
CYL (x1)
5/16" x 5" Grade 2 Bolt



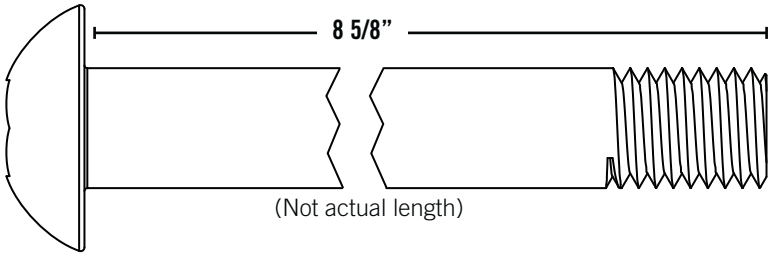
AEG (x2)
1/2" Plastic Washer



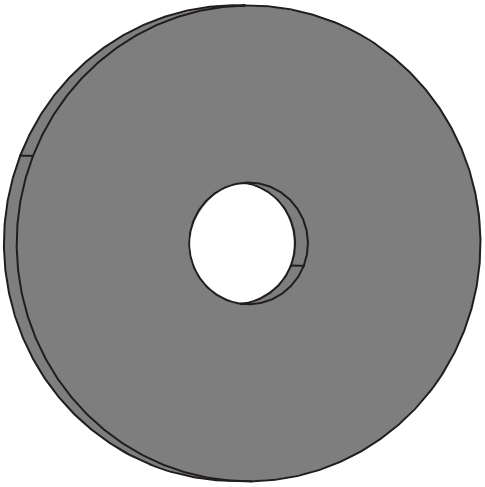
CYD (x3)
1/2" x 8 5/8" Grade 8 Bolt



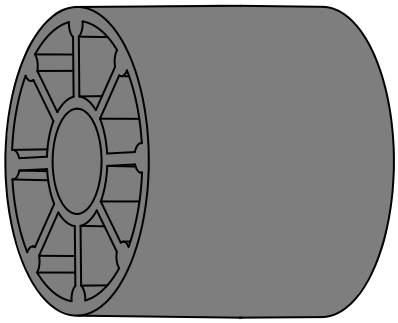
AEH (x2)
5/8" Plastic Washer



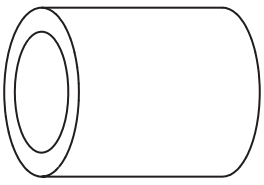
DDX (x1)
5/8" x 8 5/8" Grade 8 Bolt



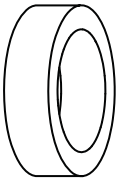
CYC (x2)
5/8" Large Poly Spacer



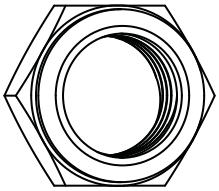
CYE (x4)
1/2" x 1.44" Spacer



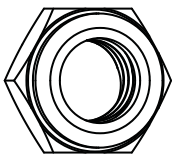
CYQ (x1)
5/8" x 1" Spacer



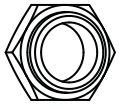
DFY (x2)
5/8" x 1/4" Spacer



CYG (x1)
5/8" Grade 2 Nylock Nut



CYF (x3)
1/2" Grade 2 Nylock Nut

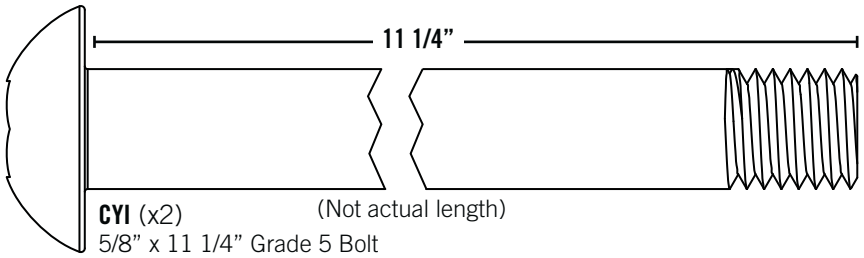


CYN (x1)
5/16" Nylock Nut

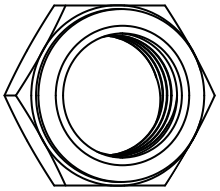
HARDWARE IDENTIFIER

EXTENSION ARMS TO POLE ASSEMBLY HARDWARE [CZF]

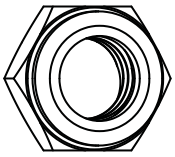
Hardware shown at Actual Size



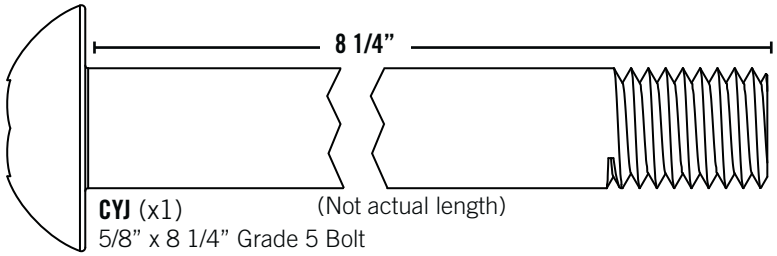
CYI (x2)
5/8" x 11 1/4" Grade 5 Bolt
(Not actual length)



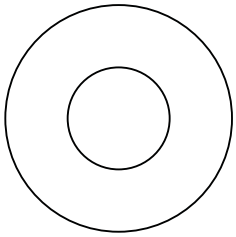
CYG (x3)
5/8" Grade 2
Nylock Nut



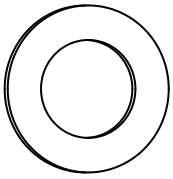
CYF (x5)
1/2" Grade 2
Nylock Nut



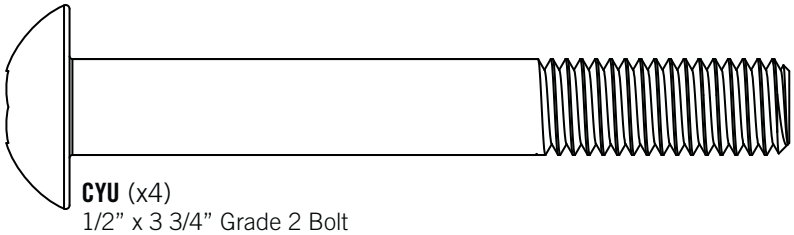
CYJ (x1)
5/8" x 8 1/4" Grade 5 Bolt
(Not actual length)



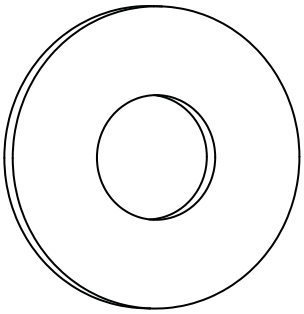
AEG (x4)
1/2" Plastic Washer



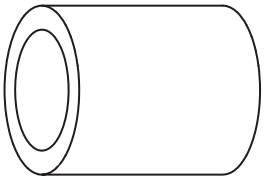
CYM (x4)
1/2" x 7/8" Washer



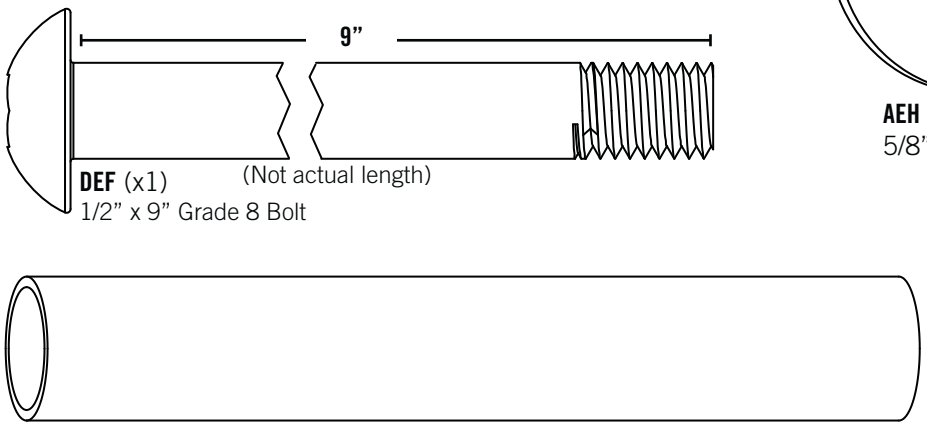
CYU (x4)
1/2" x 3 3/4" Grade 2 Bolt



AEH (x4)
5/8" Plastic Washer

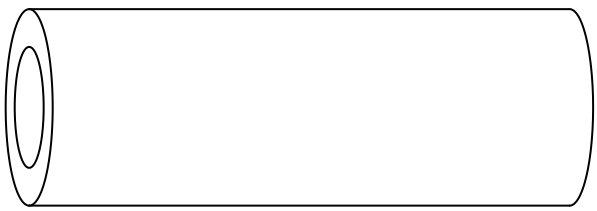


CYQ (x2)
5/8" x 1" Spacer



DEF (x1)
1/2" x 9" Grade 8 Bolt
(Not actual length)

CYO (x1)
5/8" x 4 3/4" Spacer

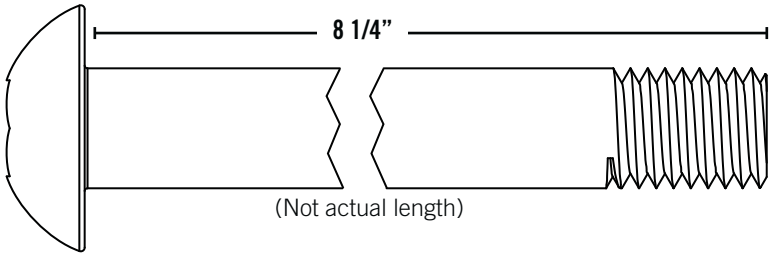


CYP (x2)
5/8" x 2.9" Rubber Spacer

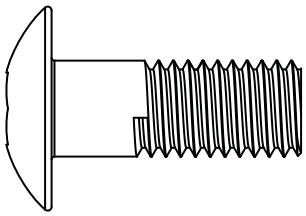
HARDWARE IDENTIFIER

BACKBOARD TO POLE ASSEMBLY HARDWARE [BCR]

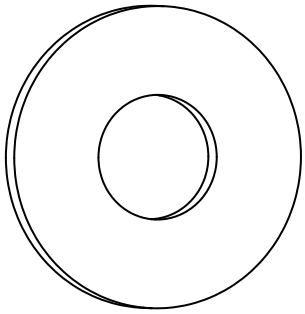
Hardware shown at Actual Size



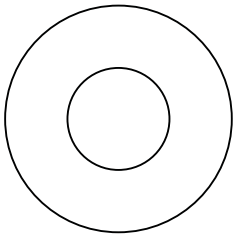
CYJ (x1)
5/8"-11 x 8 1/4" Grade 5 Bolt



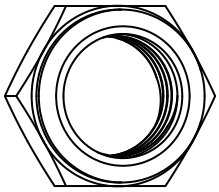
CYT (x2)
1/2" x 1 1/4" Grade 2 Bolt



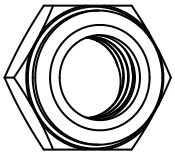
AEH (x2)
5/8" Plastic Washer



AEG (x6)
1/2" Plastic Washer



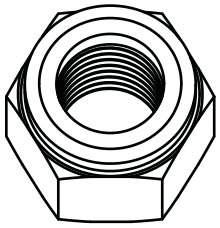
CYG (x1)
5/8"-11 Grade 2 Nylock Nut



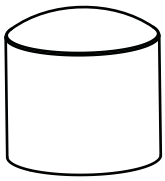
CYF (x2)
1/2"-13 Grade 2 Nylock Nut

POLE TO J-BOLT ASSEMBLY HARDWARE [CZG]

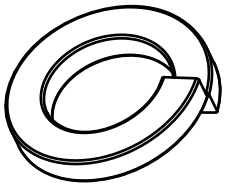
Hardware shown at Actual Size



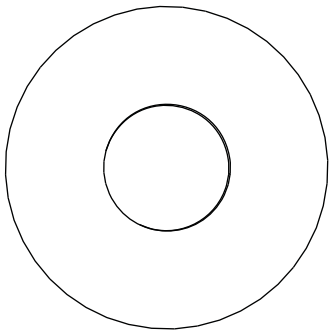
ADL (x4)
5/8" Nylock Nut



AMS (x4)
5/8" Nylock Cap



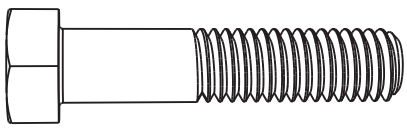
CUA (x4)
5/8" Lock Washer



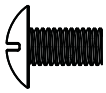
BIP (x8)
5/8" Flat Washer

RIM TO BACKBOARD ASSEMBLY HARDWARE [BCS]

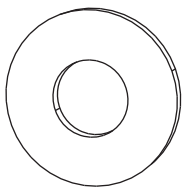
Hardware shown at Actual Size



ABY (x4)
3/8" x 1 3/4" Hex Bolt



ADU (x2)
M8 x 0.8mm
Panhead Screw

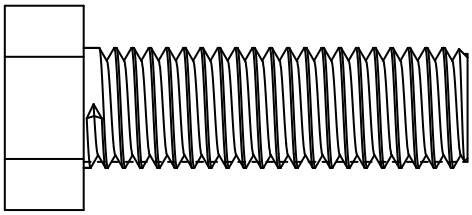


AAF (x8)
3/8" Flat Washer

AAA (x4)
3/8"-16 Nylock Nut

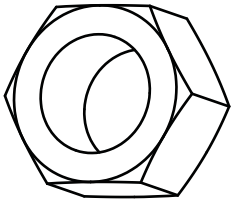
HARDWARE REQUIRED

SETUP HARDWARE [CZD]
Hardware shown at Actual Size



AEO (x1)
5/8" x 2" Hex Bolt

CYV (x1)
5/8" Hex Nut Coupler

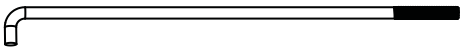


AER (x8)
5/8" Hex Nut

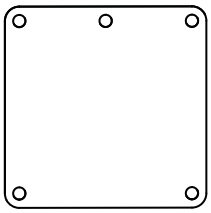
PARTS REQUIRED

Parts shown at 10% of Actual Size

AEZ (x4)
36" Rebar



AEI (x4)
J-Bolt



AKT (x1)
J-Bolt Template

TOOLS USED (NOT INCLUDED)

15/16" Wrench
(x2)

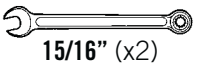
Carpenter's Level

Shovel

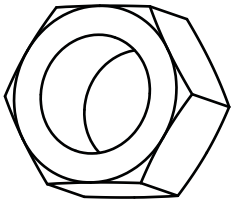
Tape Measure

Cement
(1/2 yard or
80lb bag x 20)

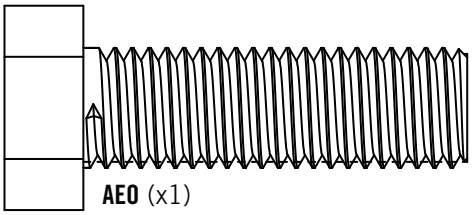
TOOLS AND HARDWARE REQUIRED FOR THIS PAGE



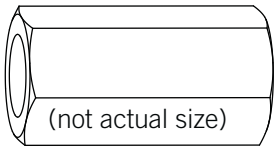
15/16” (x2)



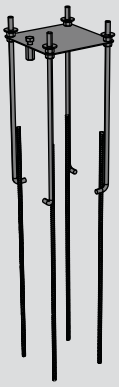
AER (x8)



AEO (x1)



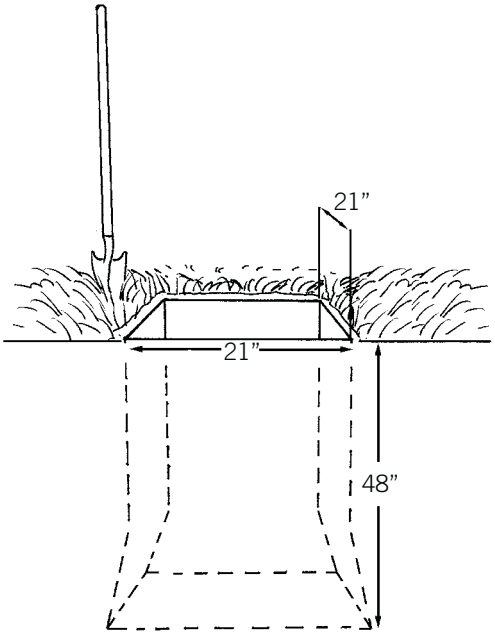
CYV (x1)



SEC 1

SEC 1.1

Dig a hole 48” deep and 21” square. The edge of the hole should be flush with the edge of the playing court. If you live in an area where frost heaves may pose a problem, consult your local building inspector to determine the appropriate hole depth. Bell out the bottom of the hole as illustrated. We recommend building a form to keep the top of the concrete straight and square. Place the form so it is level with the playing surface.



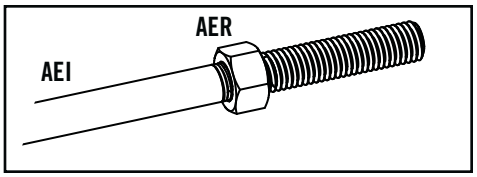
CAUTION

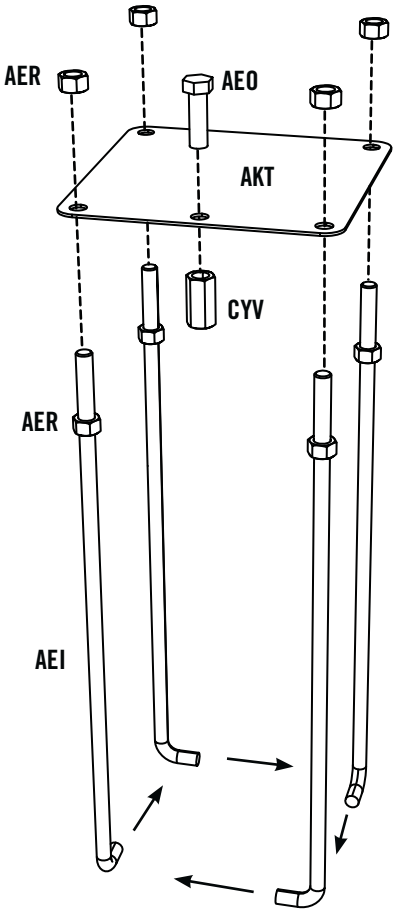
Before digging, call to locate any buried utility lines.

Note: There must be a 3-foot area behind the pole to allow the user to adjust the Rim height.

SEC 1.2

Thread a **5/8” Hex Nut (AER)** all the way onto each **J-Bolt (AEI)**. Slide the threaded ends of the J-Bolts through the corner holes in the **J-Bolt Template (AKT)** and secure them completely with **5/8” Hex Nuts (AER)**. Insert the **5/8” x 2” Hex Bolt (AEO)** through the center hole in the J-Bolt Template and tighten the **Nut Coupler (CYV)** onto the Bolt as far as it will go.



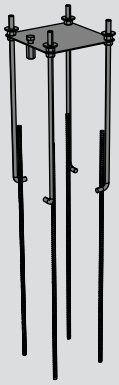


Note: Make sure the curved ends of the J-Bolts are in a rectangular pattern as shown.

TOOLS AND HARDWARE REQUIRED FOR THIS PAGE

(80lb Bag x 20)

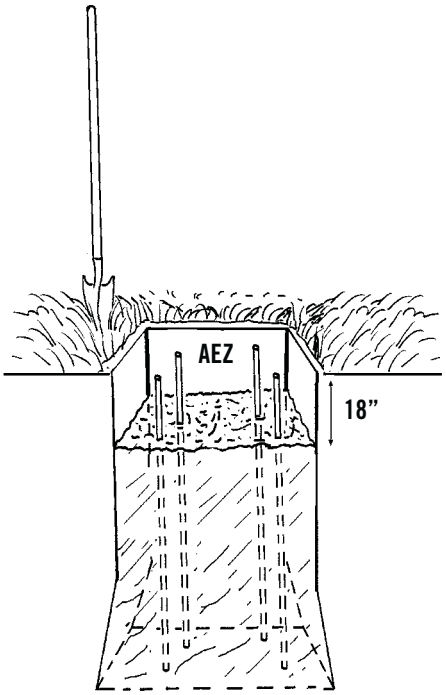
NO HARDWARE REQUIRED FOR THIS PAGE



SEC 1.3

If you are using concrete mix, mix the concrete according to the instructions on the bags. **Please note that a thicker mix of concrete will dry stronger.**
Pour the concrete into the hole, stopping about 18 inches from the top of the hole.

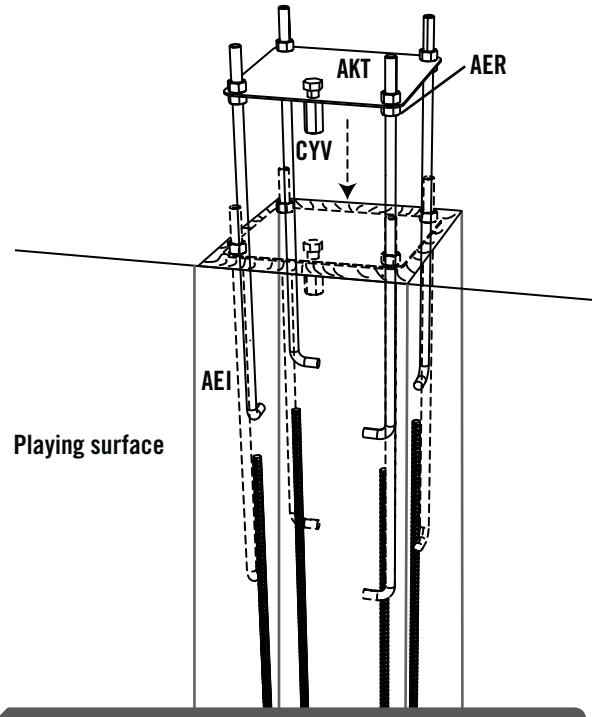
Push the four pieces of **36" Rebar (AEZ)** firmly to the bottom of the hole. The Rebar should be arranged in a square about 8 inches wide in the center of the hole so each piece will be next to the J-Bolts when they are placed in the cement.
Finish filling the hole to the top with concrete. The top of the concrete should reach about 1/2" above the playing surface and slope down toward the playing surface to allow water runoff.



SEC 1.4

Center the **J-Bolt Template (AKT)** over the hole. **The front of the Template is the side with the Nut Coupler (CYV) and should be toward the playing surface.**
Insert the **J-Bolts (AEI)** into the concrete and agitate the Template assembly to eliminate any air bubbles.
Push the J-Bolts into the cement until the Template is resting flat against the cement. Form the cement into a downward slope toward the playing surface to allow water runoff. **The lower four 5/8" Hex Nuts (AER) and the Nut Coupler will be in the concrete permanently.**

Clean off any concrete on the J-Bolt Template or the exposed portion of the J-Bolts. Using a carpenter's level, make sure the Template is square to the playing surface. Plate should be level and about 1/2" above the playing surface for water to drain off of the steel.



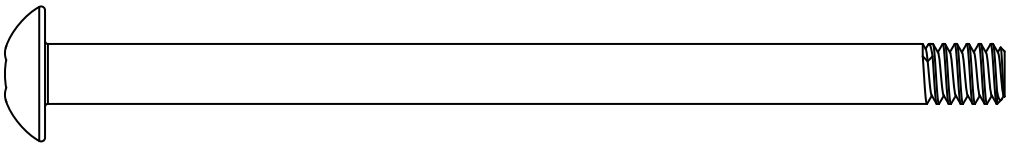
! *Note: You are now finished with the initial assembly steps. DO NOT PROCEED WITH THE ASSEMBLY until the concrete has fully cured. Curing will take a minimum of 72 hours (3 days). In humid climates or wet weather, allow additional time for the concrete to cure. Never use the system without first following the cementing instructions.*

SEC 2 HANDLE TO POLE ASSEMBLY

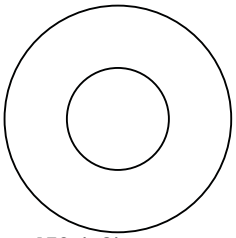
HARDWARE REQUIRED

HANDLE TO POLE ASSEMBLY HARDWARE [CZE]

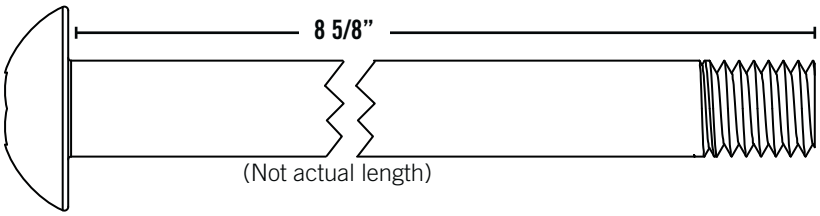
Hardware shown at Actual Size



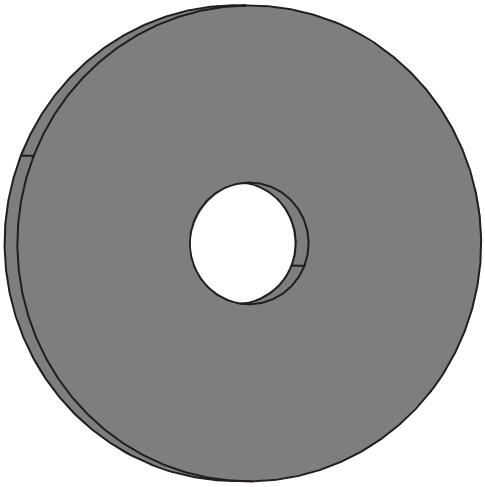
CYL (x1)
5/16" x 5" Grade 2 Bolt



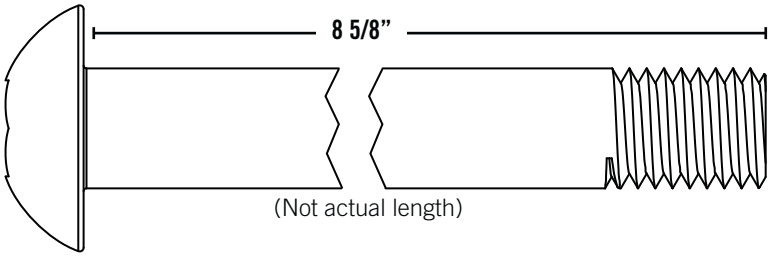
AEG (x2)
1/2" Plastic Washer



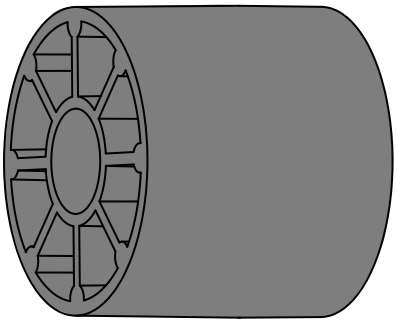
CYD (x3)
1/2" x 8 5/8" Grade 8 Bolt



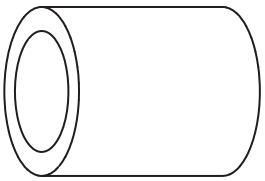
CYC (x2)
5/8" Large Poly Spacer



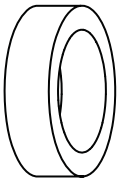
DDX (x1)
5/8" x 8 5/8" Grade 8 Bolt



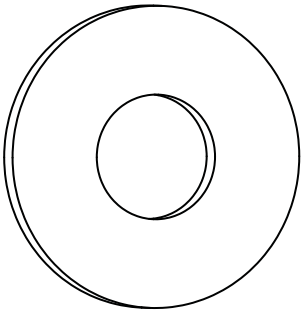
CYE (x4)
1/2" x 1.44" Spacer



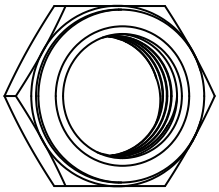
CYQ (x1)
5/8" x 1" Spacer



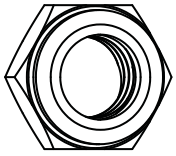
DFY (x2)
5/8" x 1/4" Spacer



AEH (x2)
5/8" Plastic Washer



CYG (x1)
5/8" Grade 2 Nylock Nut



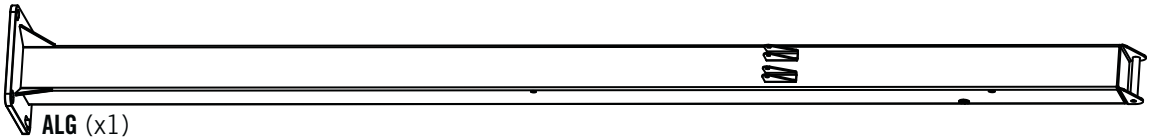
CYF (x3)
1/2" Grade 2 Nylock Nut

CYN (x1)
5/16" Nylock Nut

SEC 2 HANDLE TO POLE ASSEMBLY

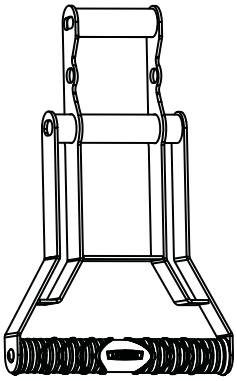
PARTS REQUIRED

Part shown at 5% of Actual Size

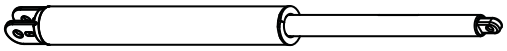


ALG (x1)
Pole

Parts shown at 10% of Actual Size

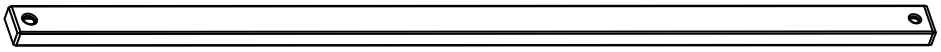


AKI (x1)
Lift Handle



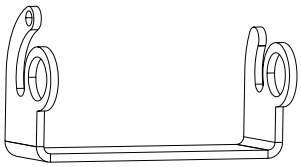
AJR (x2)
Gas Spring

AKG (x2)
Gas Spring Cover



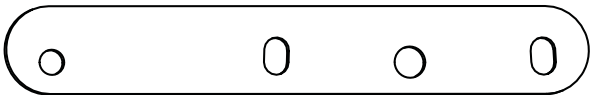
ALS (x2)
Lifter Arm

Part shown at Actual Size

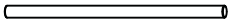


AKX (x1)
Handle Lock Bracket

Parts shown at 25% of Actual Size



CYA (x2)
Handle Bracket



AMO (x1)
Trigger Pin

TOOLS USED (NOT INCLUDED)

1/2" Wrench
(x1)

3/4" Wrench
(x1)

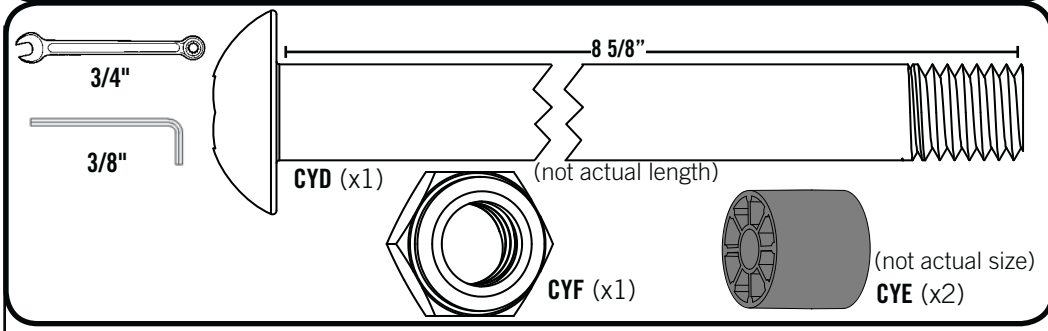
15/16" Wrench
(x1)

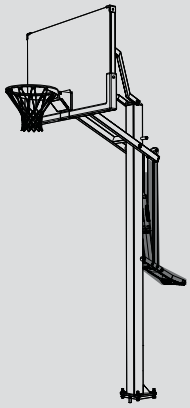
Rubber Mallet

3/8" Allen Wrench
(x1)

1/4" Allen Wrench
(x1)

TOOLS AND HARDWARE REQUIRED FOR THIS PAGE

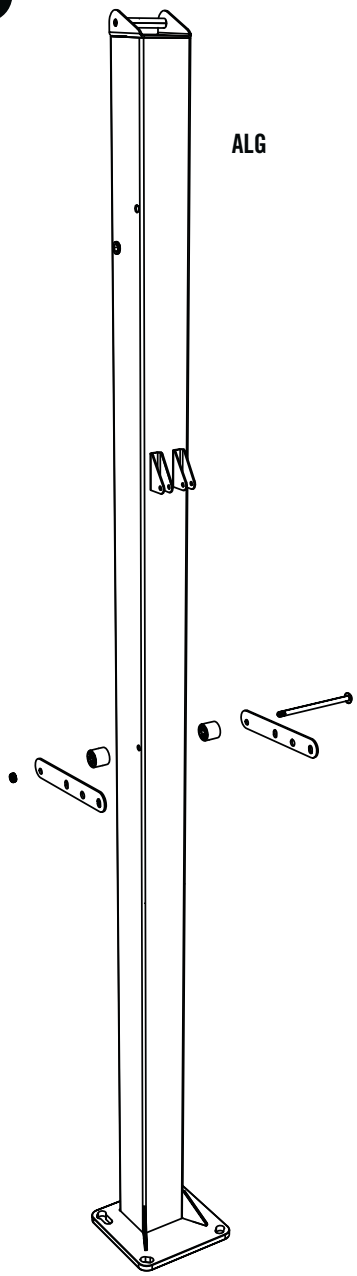




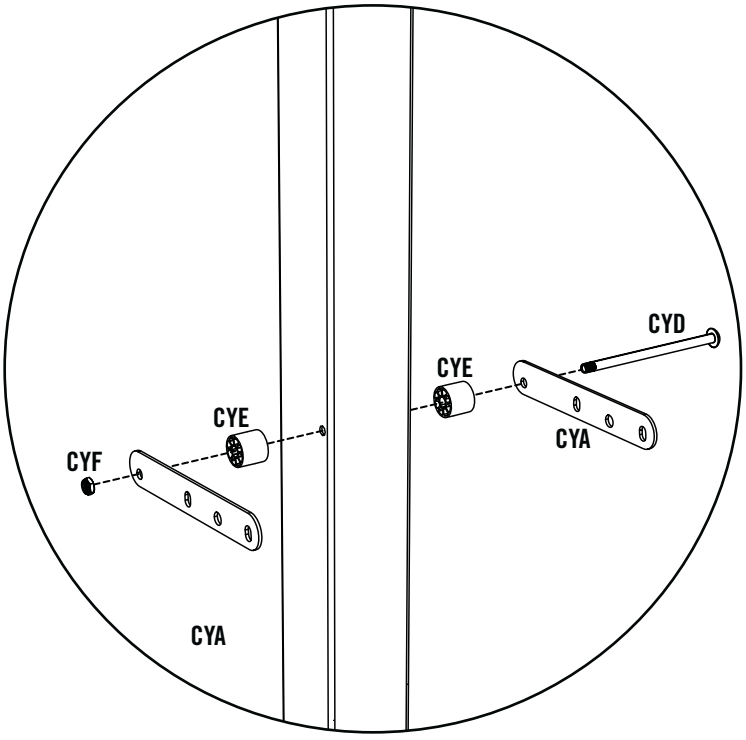
SEC 2

SEC 2.1

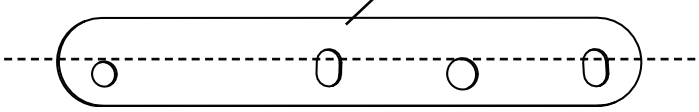
Attach the **Handle Brackets (CYA)** to the **Pole (ALG)** with the hardware shown.



! *Note: Coat the 1/2" x 8 5/8" Bolt (CYD) lightly with Dark Lithium Grease (AJZ) before performing this step.*

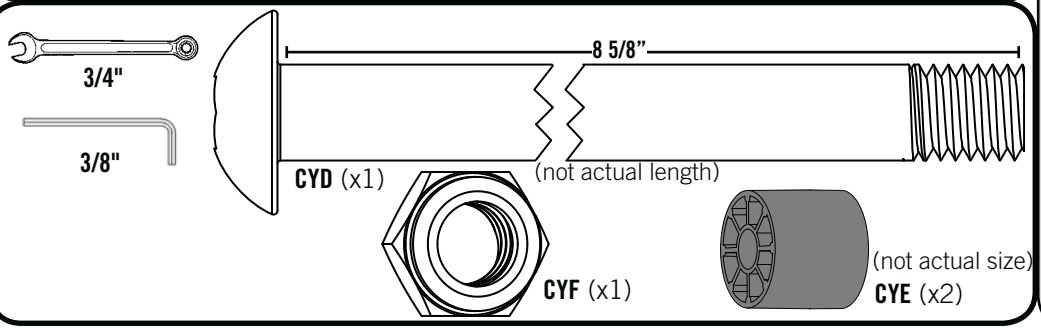


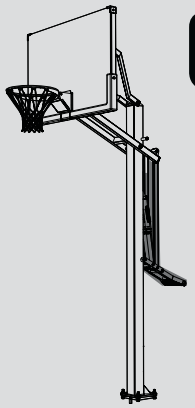
! *Note: Make sure each Handle Bracket (CYA) is oriented so the side of the Bracket with the holes is closest to the ground.*



! *Note: DO NOT overtighten the hardware. The Handle Brackets must move freely around the Bolt. You should be able to rotate the Spacers with your fingers.*

TOOLS AND HARDWARE REQUIRED FOR THIS PAGE

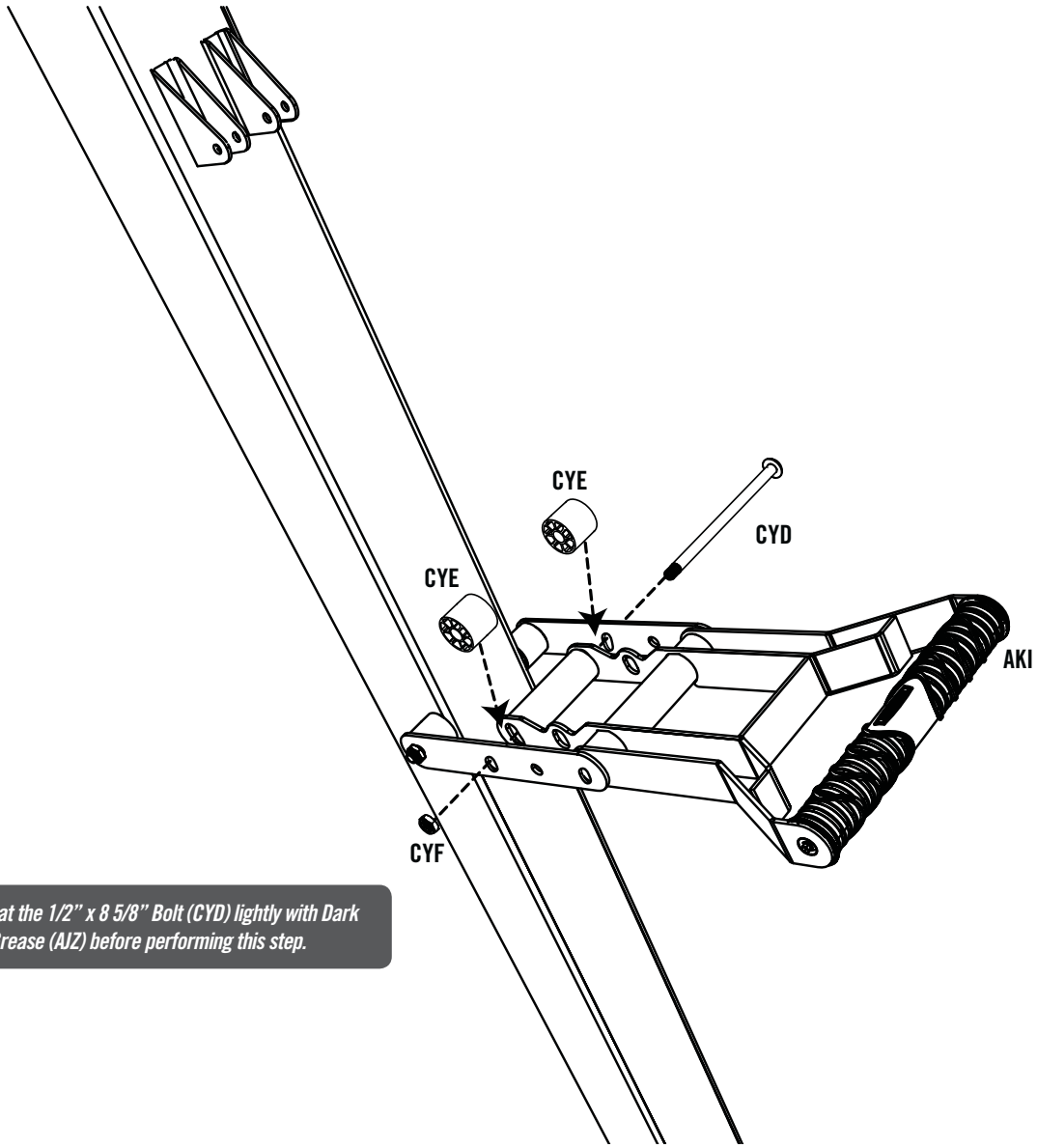




SEC 2

SEC 2.2

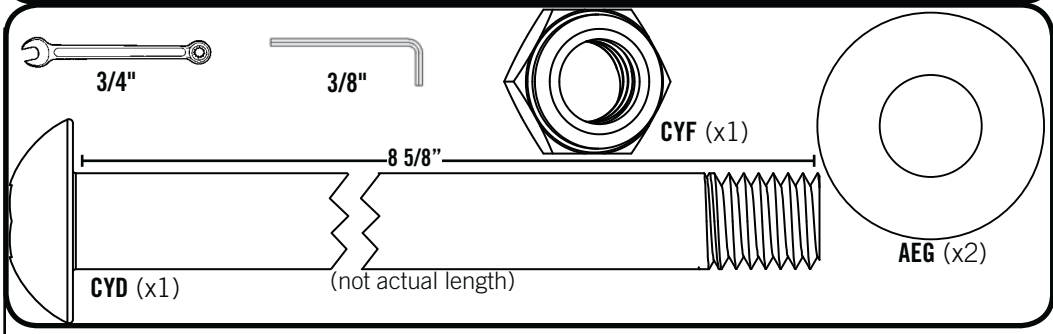
Attach the **Handle Assembly (AKI)** to the Handle Brackets using the hardware shown in the location indicated. Make sure the **1/2" x 1.44" Spacers (CYE)** are installed in the gap between the Handle Bracket and the Handle Assembly.

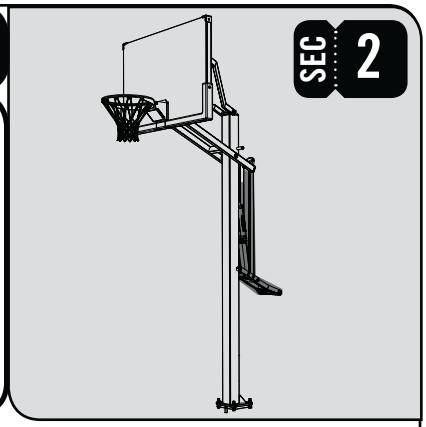


! *Note: Coat the 1/2" x 8 5/8" Bolt (CYD) lightly with Dark Lithium Grease (AJZ) before performing this step.*

! *Note: DO NOT overtighten the hardware. Make sure the Handle Assembly is oriented as shown.*

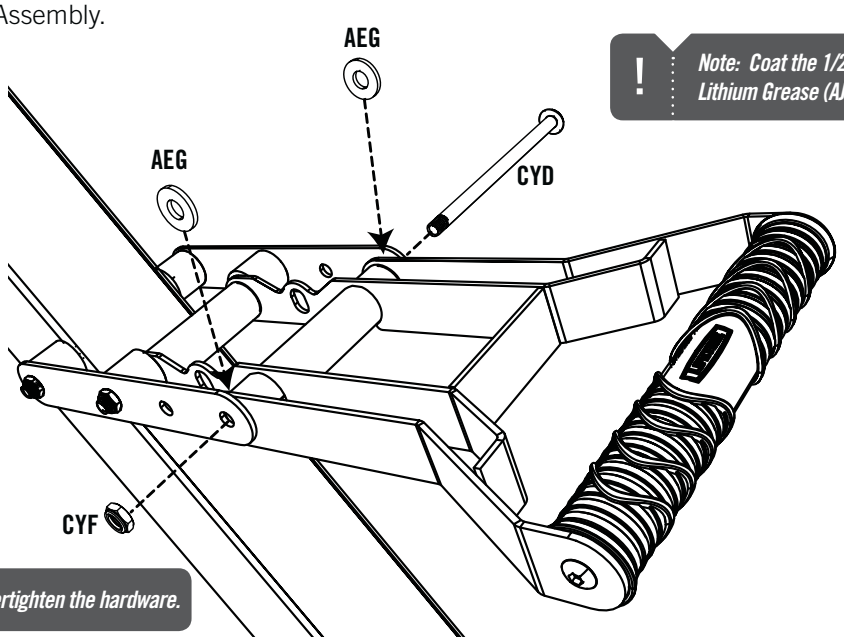
TOOLS AND HARDWARE REQUIRED FOR THIS PAGE





SEC 2.3

Secure the Handle Assembly to the Handle Brackets using the hardware shown in the set of holes at the end of the Handle Brackets. Make sure the **1/2" Plastic Washers (AEG)** are placed between the Handle Brackets and the Handle Assembly.

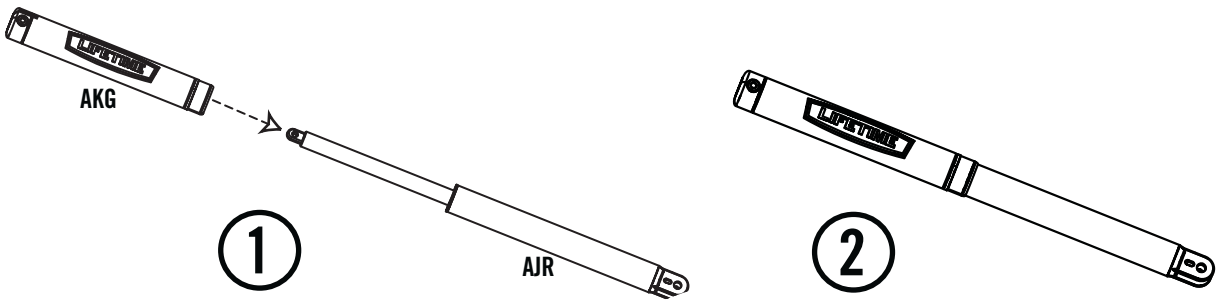


! *Note: Coat the 1/2" x 8 5/8" Bolt (CYD) lightly with Dark Lithium Grease (AJZ) before performing this step.*

! *Note: DO NOT overtighten the hardware.*

SEC 2.4

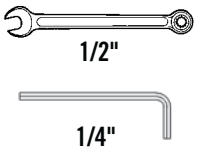
Remove all packaging from the **Gas Springs (AJR)**. Slide the **Gas Spring Cover (AKG)** onto the Gas Spring as illustrated, lining up the holes in the Gas Spring Cover with those in the narrow end of the Gas Spring. **Repeat this step for the remaining Gas Spring and Gas Spring Cover.**

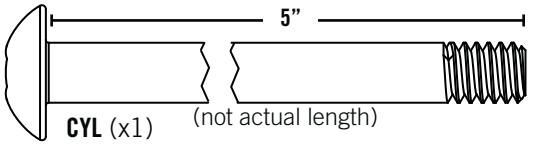


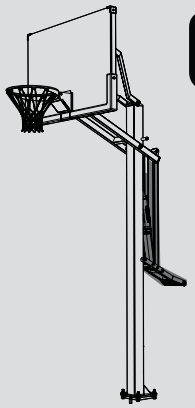
! *Note: The Gas Spring Cover will rest loosely on the Gas Spring. It will be secured to the Gas Spring later in the assembly.*

! *Note: To simplify the upcoming steps, it may be helpful to fully extend the Gas Springs. To do so, carefully tap the small release pin at the larger end of the Gas Spring with a Bolt. Continue tapping repeatedly until the Gas Spring is fully extended.*

TOOLS AND HARDWARE REQUIRED FOR THIS PAGE

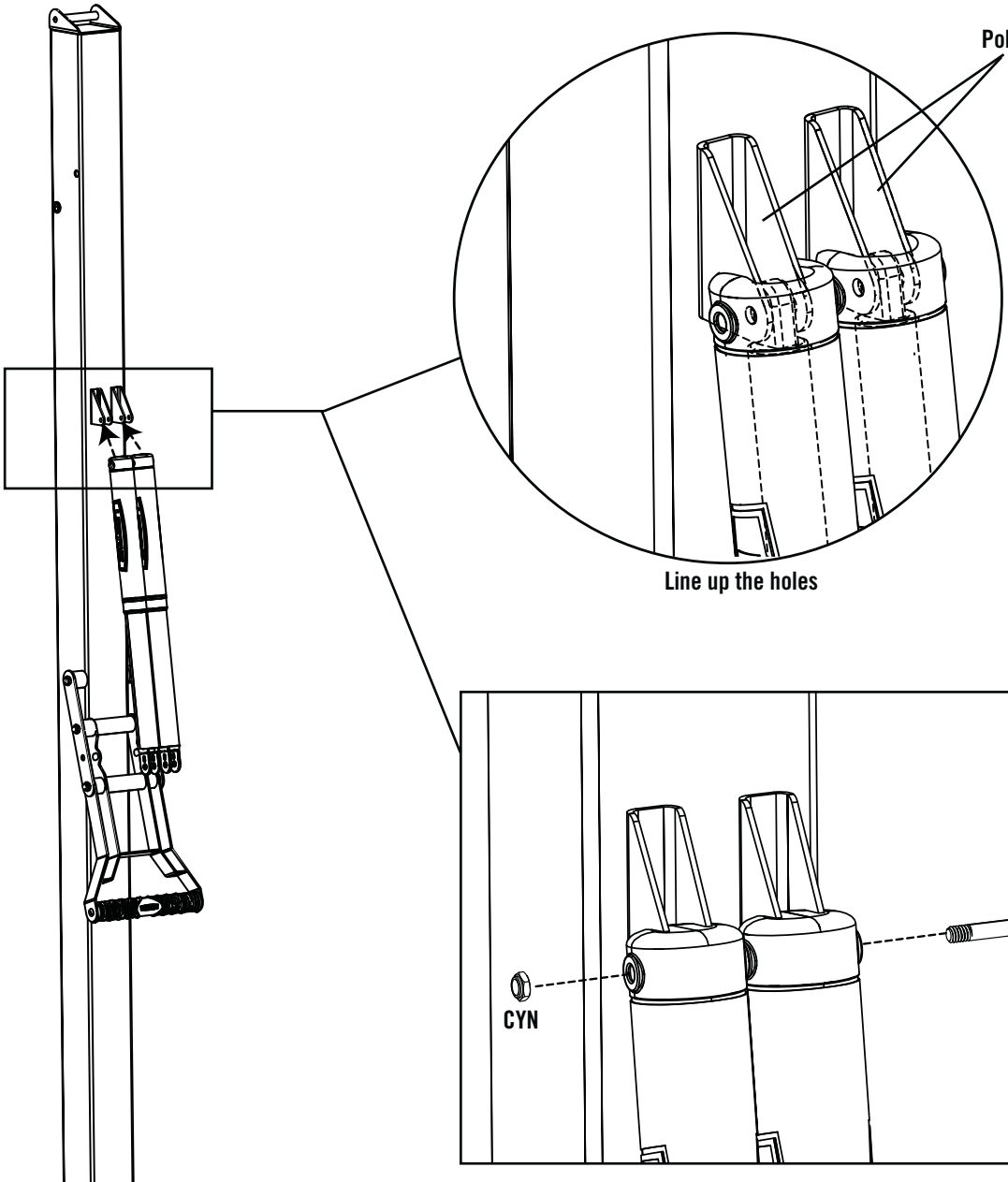






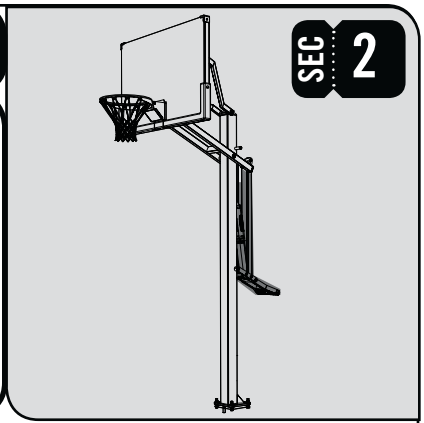
SEC 2.5

Line up the holes in the **Gas Spring Cover (AKG)** and **Gas Spring (AJR)** with those on the pole brackets. Secure the Gas Springs and Gas Spring Covers to the Pole using the hardware shown.



! *Note: Do NOT overtighten the hardware. The Gas Springs need to rotate freely on the pole brackets.*

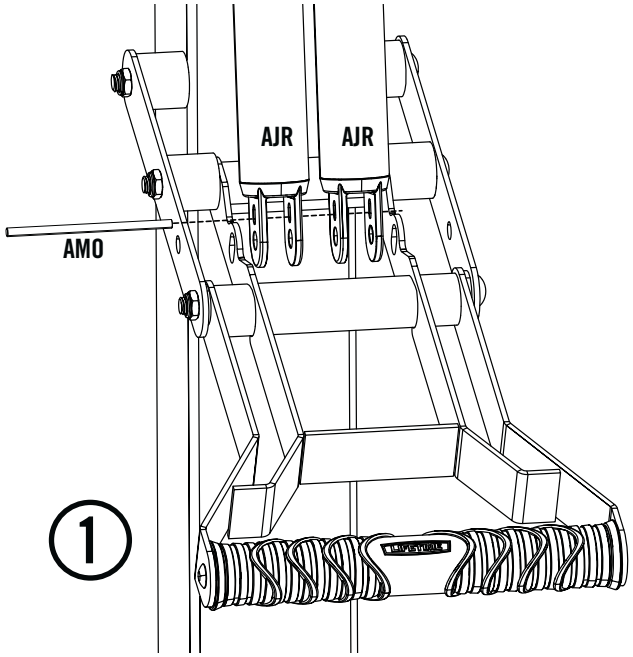
TOOLS AND HARDWARE REQUIRED FOR THIS PAGE

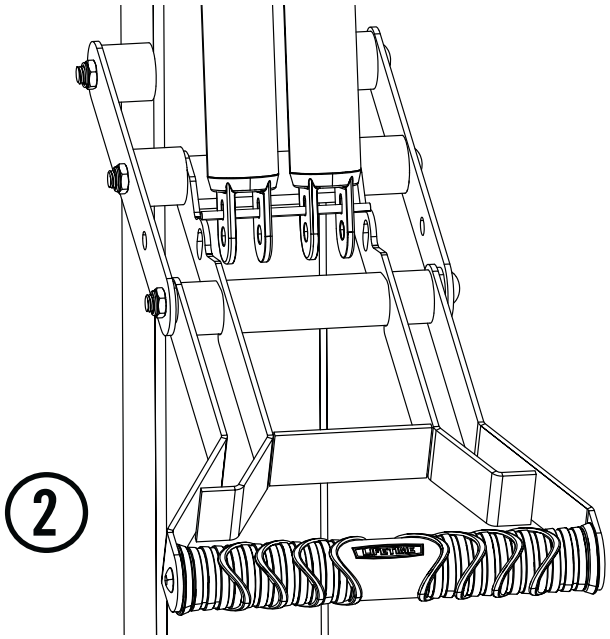


NO TOOLS OR HARDWARE REQUIRED FOR THIS PAGE

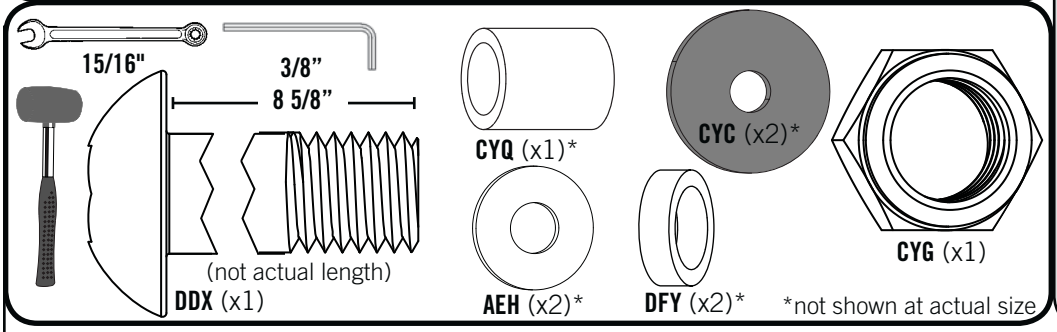
SEC 2.6

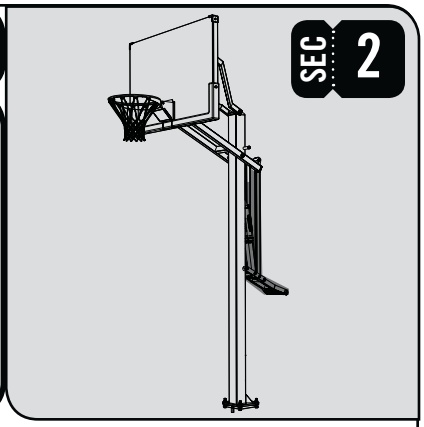
Slide the **Trigger Pin (AMO)** through the upper set of holes in the **Gas Springs (AJR)**.





TOOLS AND HARDWARE REQUIRED FOR THIS PAGE

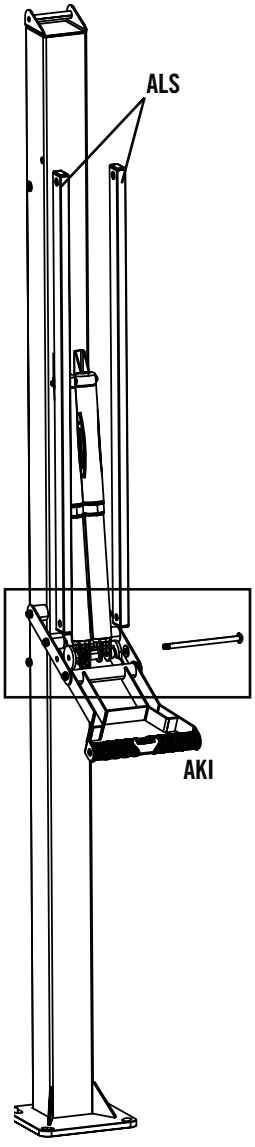


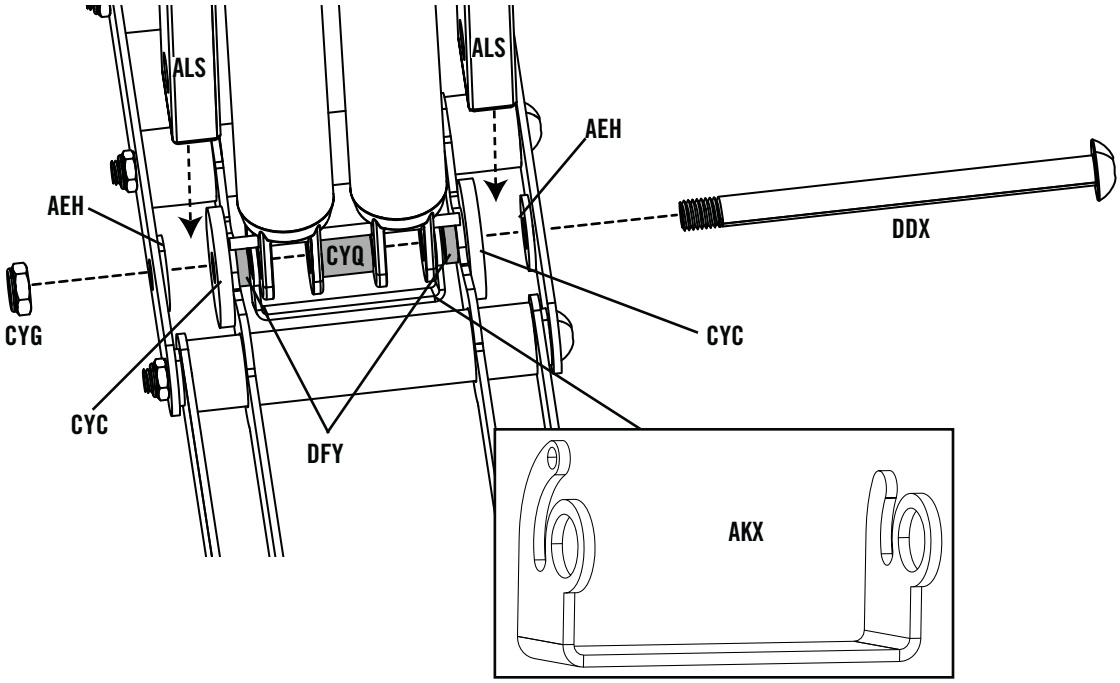


SEC 2

SEC 2.7

Have one adult hold the **Lifter Arms (ALS)** in place as shown. Attach the Lifter Arms to the **Handle Assembly (AKI)** with the **5/8" x 8 5/8" Grade 8 Bolt (DDX)**. Make sure to slide the **Handle Lock Bracket (AKX)** and the Spacers shown onto the Bolt as it passes through the Handle Bracket, Lifter Arms, Handle Assembly and Gas Springs. Secure the hardware with a **5/8" Grade 2 Nylock Nut (CYG)**. Use a Rubber Mallet, if necessary, to tap the Bolt into place.





! *Note: Coat the 5/8" x 8 5/8" Bolt (DDX) lightly with White Silicone Grease (AKH) before performing this step. DO NOT USE the Dark Lithium Grease, as this may damage the Gas Springs.*

CAUTION

Use only Silicone Grease during this step. Lithium Grease may damage Gas Springs.

WARNING

Slide the Lock Bracket over the Trigger Pin and use the Pad Lock provided to lock the Handle in place once this step is complete. Failure to lock the Handle may result in serious personal injury.

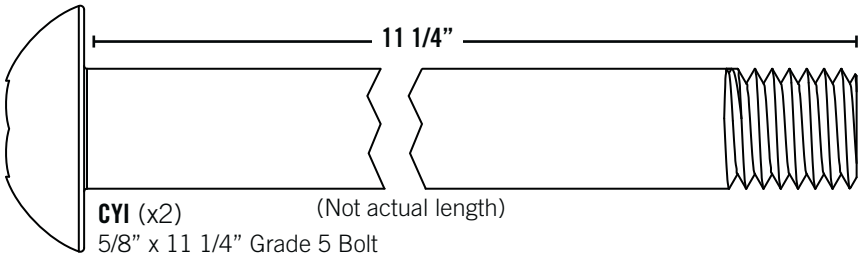
! *Note: If there is difficulty completing this step, loosen the hardware on the Handle Assembly. After completing this step, retighten the hardware. DO NOT overtighten the hardware. The Handle must be able to rotate freely. You should be able to rotate the Spacers with your fingers.*

SEC 3 EXTENSION ARMS TO POLE ASSEMBLY

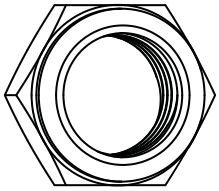
HARDWARE REQUIRED

EXTENSION ARMS TO POLE ASSEMBLY HARDWARE [CZF]

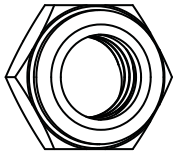
Hardware shown at Actual Size



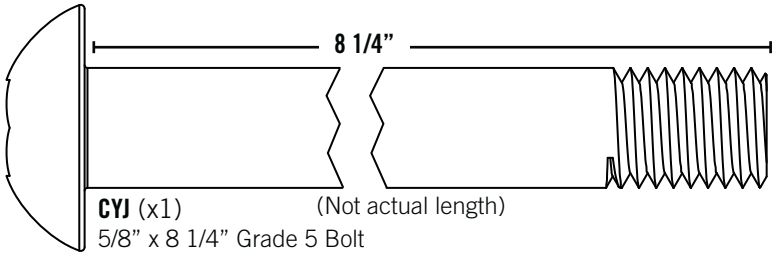
CYI (x2)
5/8" x 11 1/4" Grade 5 Bolt
(Not actual length)



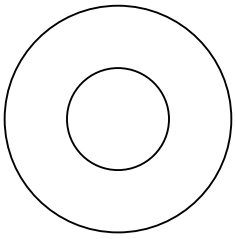
CYG (x3)
5/8" Grade 2
Nylock Nut



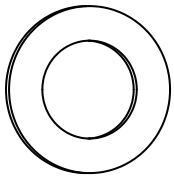
CYF (x5)
1/2" Grade 2
Nylock Nut



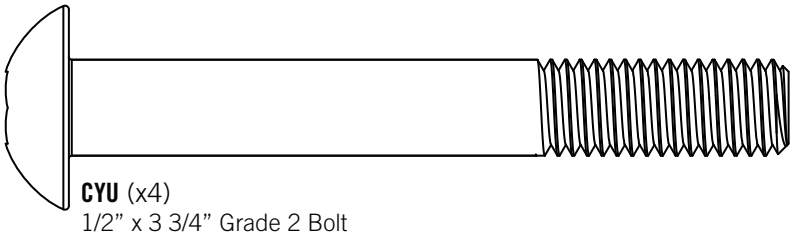
CYJ (x1)
5/8" x 8 1/4" Grade 5 Bolt
(Not actual length)



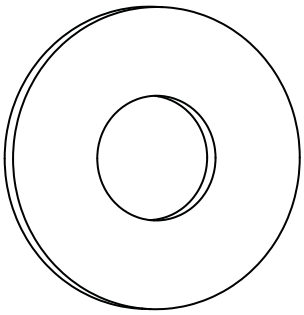
AEG (x4)
1/2" Plastic Washer



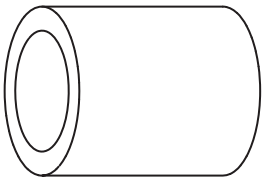
CYM (x4)
1/2" x 7/8" Washer



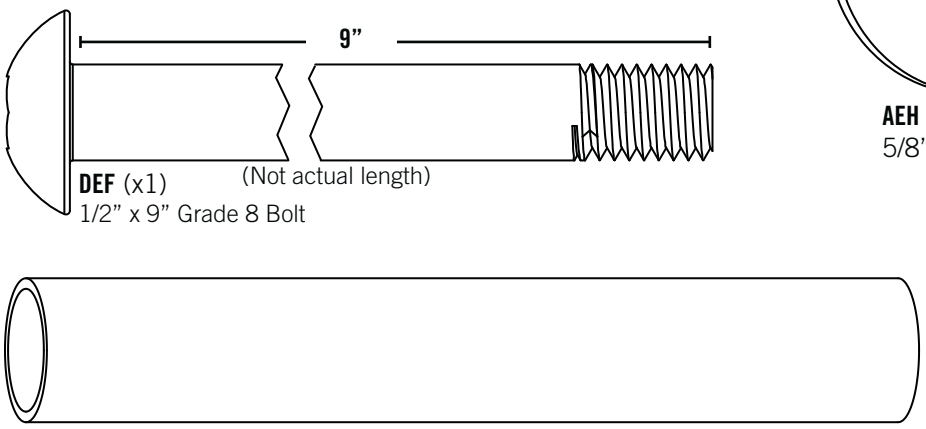
CYU (x4)
1/2" x 3 3/4" Grade 2 Bolt



AEH (x4)
5/8" Plastic Washer



CYQ (x2)
5/8" x 1" Spacer



DEF (x1)
1/2" x 9" Grade 8 Bolt
(Not actual length)

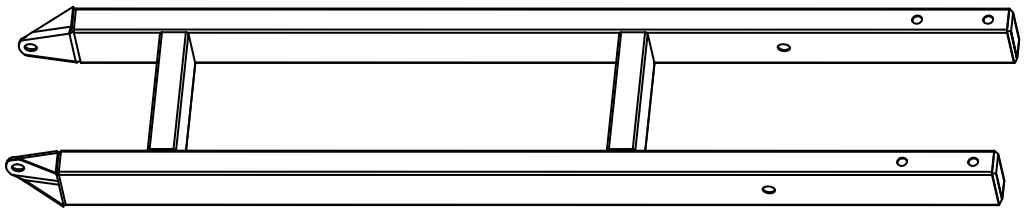
CYO (x1)
5/8" x 4 3/4" Spacer

CYP (x2)
5/8" x 2.9" Rubber Spacer

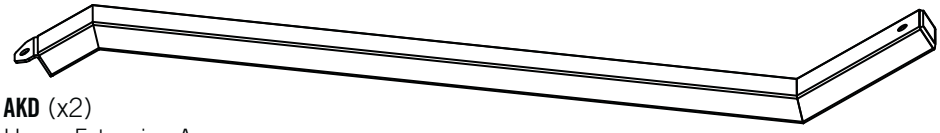
SEC 3 EXTENSION ARMS TO POLE ASSEMBLY

PARTS REQUIRED

Parts shown at 10% of Actual Size

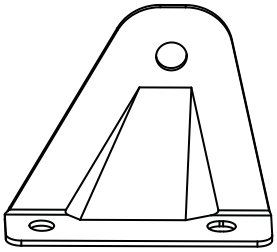


AKE (x1)
Lower Extension Arm Assembly

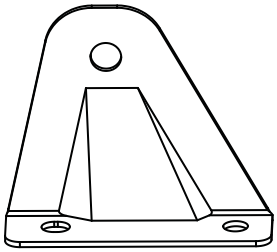


AKD (x2)
Upper Extension Arm

Parts shown at 25% of Actual Size



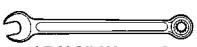
CXY (x1)
Left Cam Plate



CXZ (x1)
Right Cam Plate

TOOLS USED (NOT INCLUDED)

3/4" Wrench

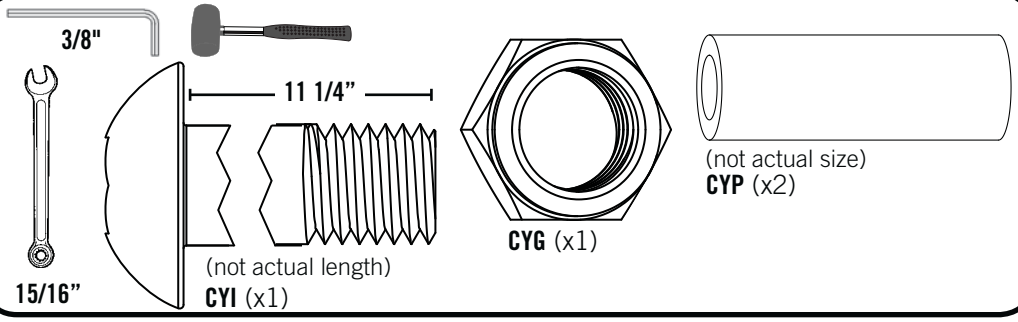


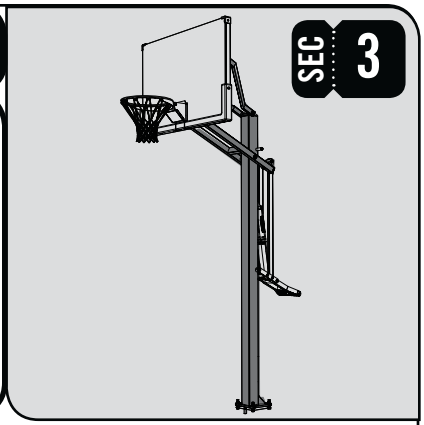
15/16" Wrench

3/8" Allen Wrench

Rubber Mallet

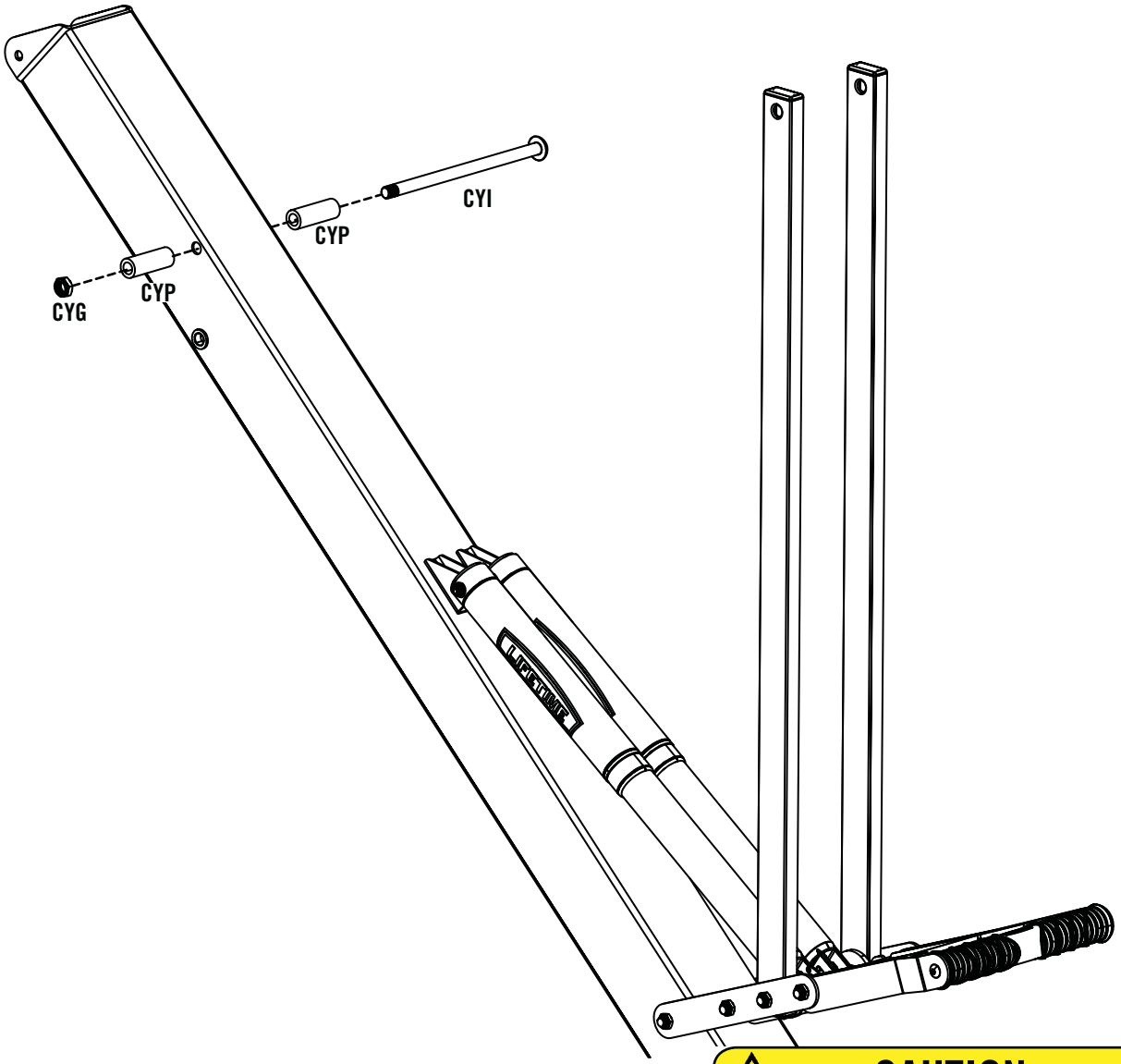
TOOLS AND HARDWARE REQUIRED FOR THIS PAGE





SEC 3.1

Slide a **5/8" x 11 1/4" Bolt (CYI)** through one **5/8" x 2.9" Rubber Spacer (CYP)**, through the Pole and through another 5/8" x 2.9" Spacer and secure with the a **5/8" Grade 2 Nylock Nut (CYG)**. Use a Rubber Mallet, if necessary, to tap the Bolt into place.

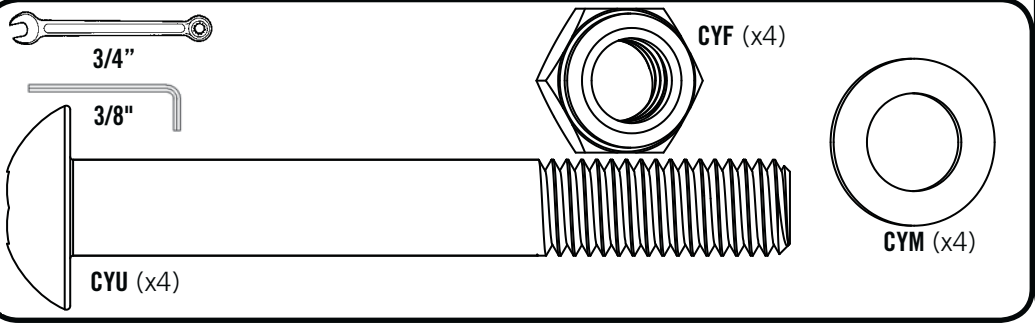


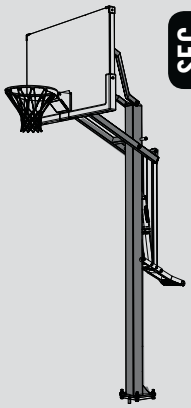
CAUTION

The Lifter Arms **(ALS)** will move freely if left unattended. To avoid personal injury or property damage, have one adult hold the Lifter Arms in place until they are secured to the system later in the assembly.

Note: Tighten the Nut (CYG) until it is flush with the end of the Bolt (CYI).

TOOLS AND HARDWARE REQUIRED FOR THIS PAGE

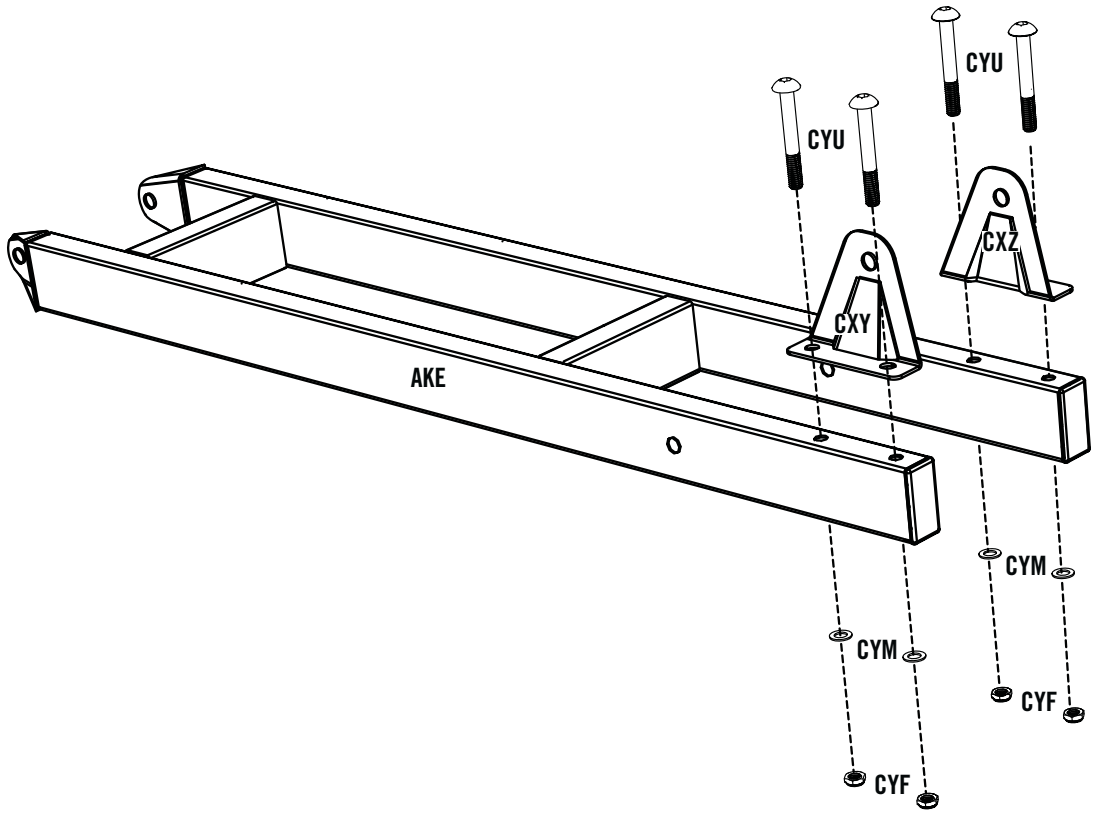




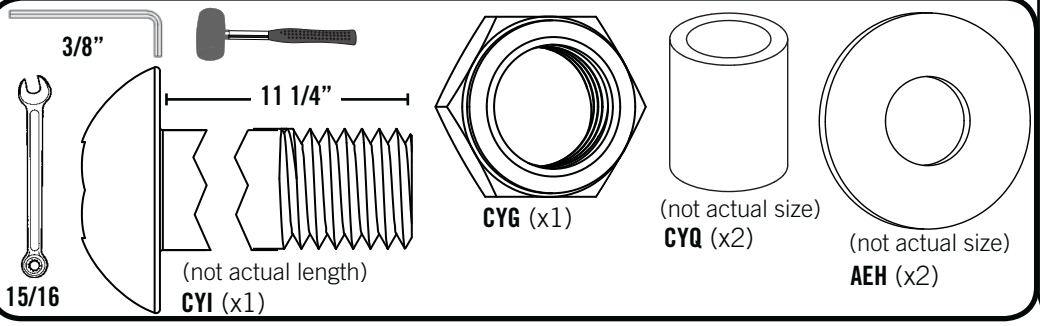
SEC 3

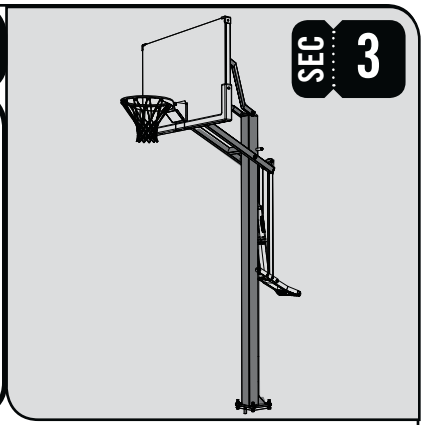
SEC 3.2

Attach the **Left Cam Plate (CXY)** and the **Right Cam Plate (CXZ)** to the end of the **Lower Extension Arm Assembly (AKE)** using the hardware shown. Make sure the Cam Plates are positioned as pictured.



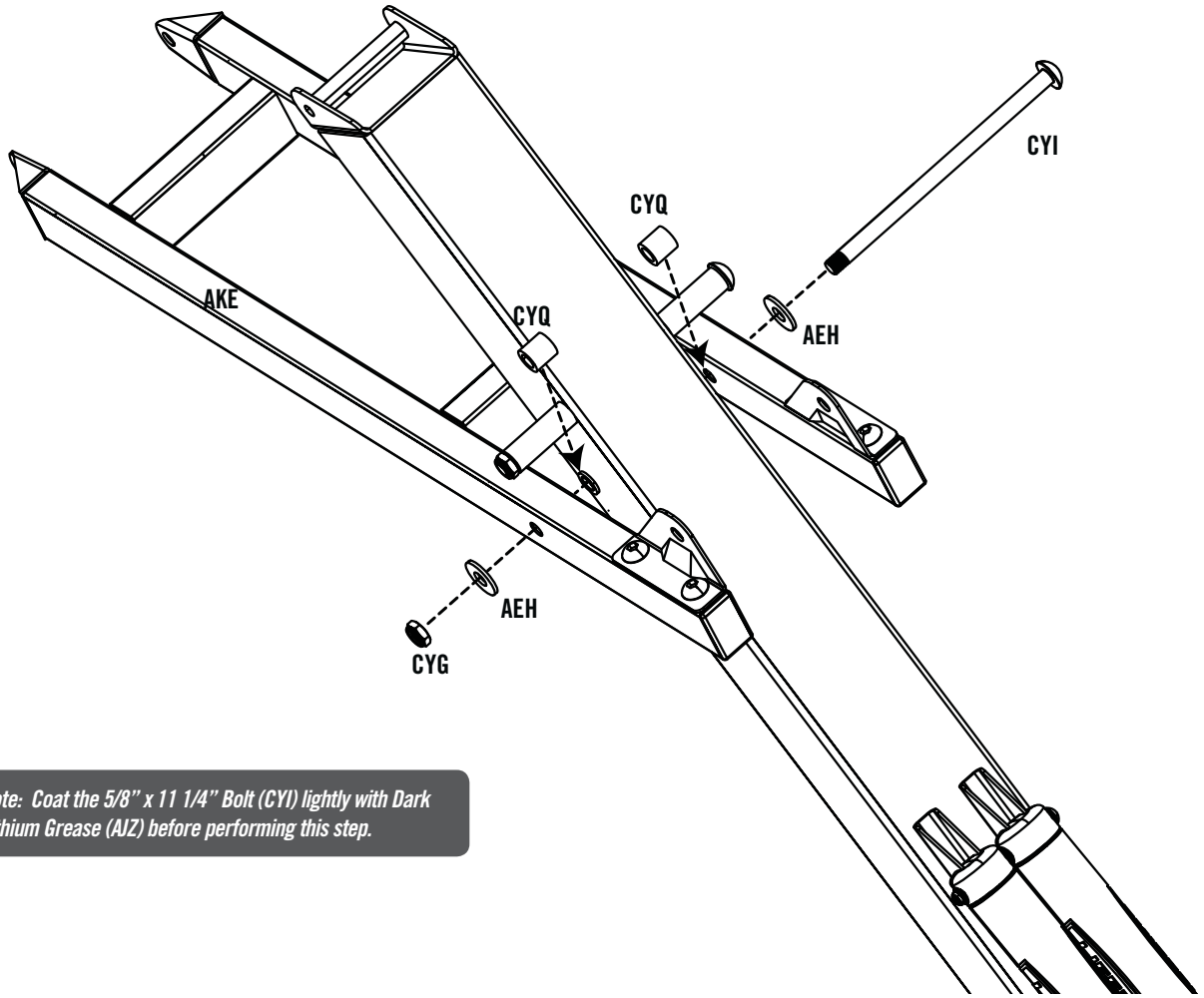
TOOLS AND HARDWARE REQUIRED FOR THIS PAGE





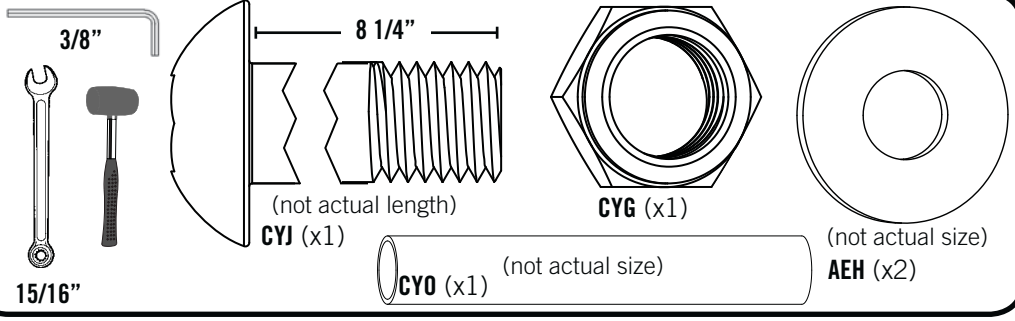
SEC 3.3

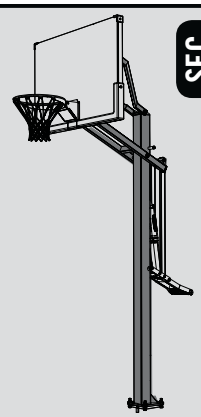
Attach the **Lower Extension Arm Assembly (AKE)** to the Pole using the hardware shown. Make sure to place a **5/8" x 1" Spacer (CYQ)** on both sides of the Pole in between the Lower Extension Arm and the Pole.



! *Note: Coat the 5/8" x 11 1/4" Bolt (CYI) lightly with Dark Lithium Grease (AJZ) before performing this step.*

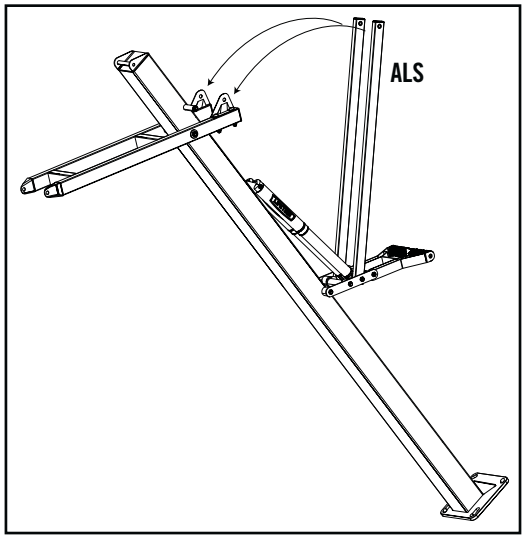
TOOLS AND HARDWARE REQUIRED FOR THIS PAGE

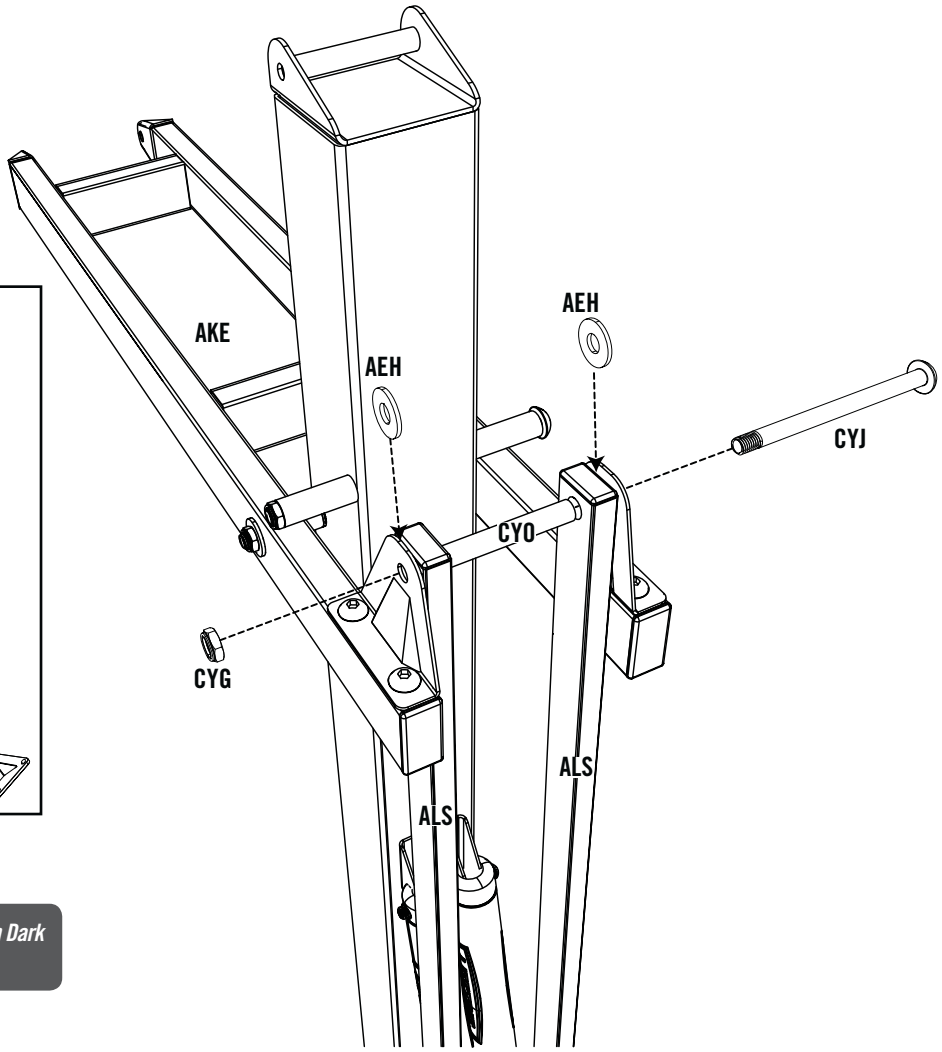




SEC 3.4

Secure the **Lifter Arms (ALS)** to the **Lower Extension Arm Assembly (AKE)** using the hardware shown. Make sure the **5/8" x 4 3/4" Spacer (CYO)** is between the two Lifter Arms. Make sure one **5/8 Plastic Washer (AEH)** is placed between each Cam Plate and Lifter Arm, as illustrated.

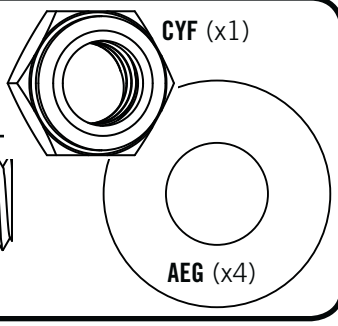


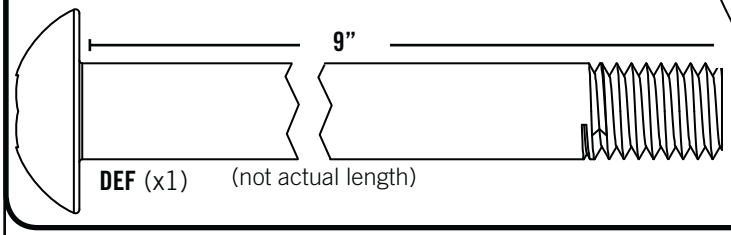


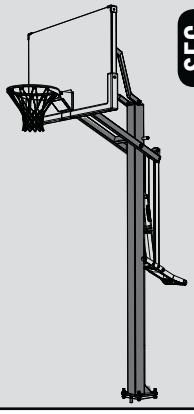
! *Note: Coat the 5/8" x 8 1/4" Bolt (CYJ) lightly with Dark Lithium Grease (AJZ) before performing this step.*

! *Note: Tighten the Nut (CYG) until it is flush with the end of the Bolt (CYJ). After completing this step, it is no longer necessary to have an adult hold the Lifter Arms in place.*

TOOLS AND HARDWARE REQUIRED FOR THIS PAGE



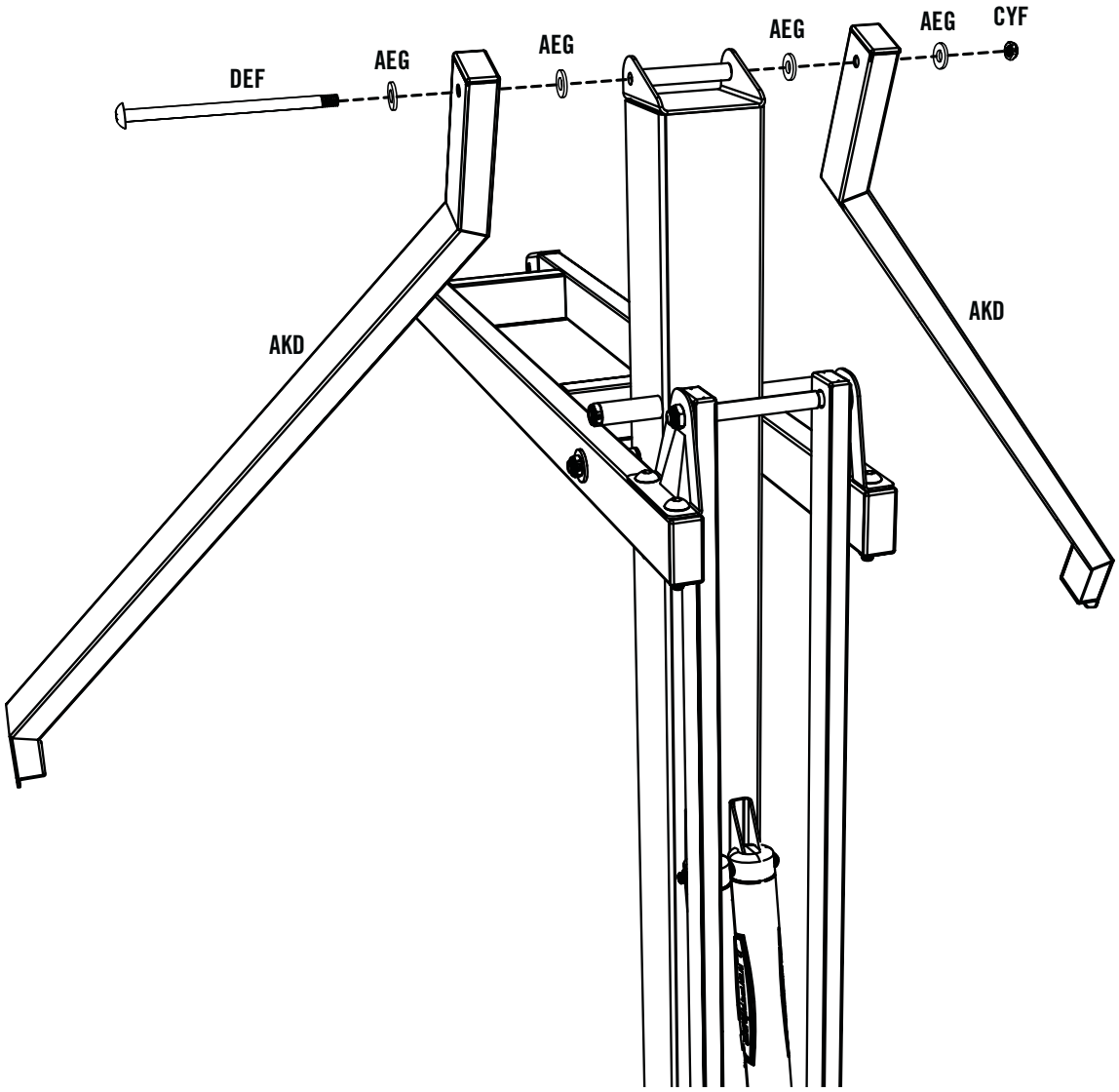




SEC 3

SEC 3.5

Attach both **Upper Extension (AKD)** Arms using the hardware shown.



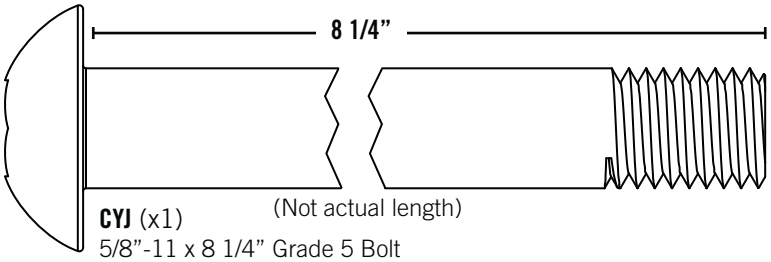
! *Note: Coat the 1/2” x 9” Bolt (DEF) lightly with Dark Lithium Grease (AJZ) before performing this step.*

SEC 4 BACKBOARD TO POLE ASSEMBLY

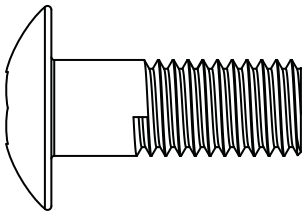
HARDWARE REQUIRED

BACKBOARD TO POLE ASSEMBLY HARDWARE [BCR]

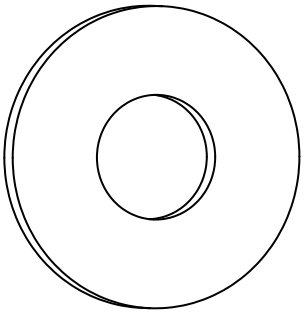
Hardware shown at Actual Size



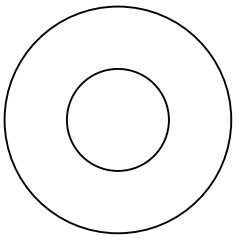
CYJ (x1)
5/8”-11 x 8 1/4” Grade 5 Bolt



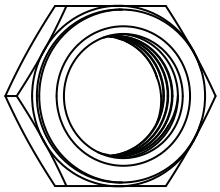
CYT (x2)
1/2” x 1 1/4” Grade 2 Bolt



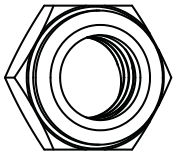
AEH (x2)
5/8” Plastic Washer



AEG (x6)
1/2” Plastic Washer



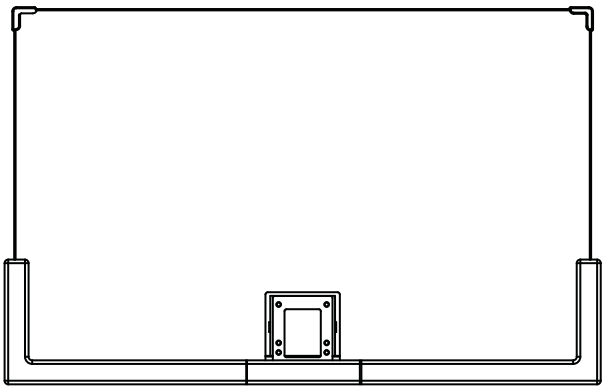
CYG (x1)
5/8”-11 Grade 2 Nylock Nut



CYF (x2)
1/2”-13 Grade 2 Nylock Nut

PARTS REQUIRED

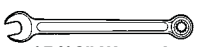
Part shown at 5% of Actual Size



AJI (x1)
Backboard

TOOLS USED (NOT INCLUDED)

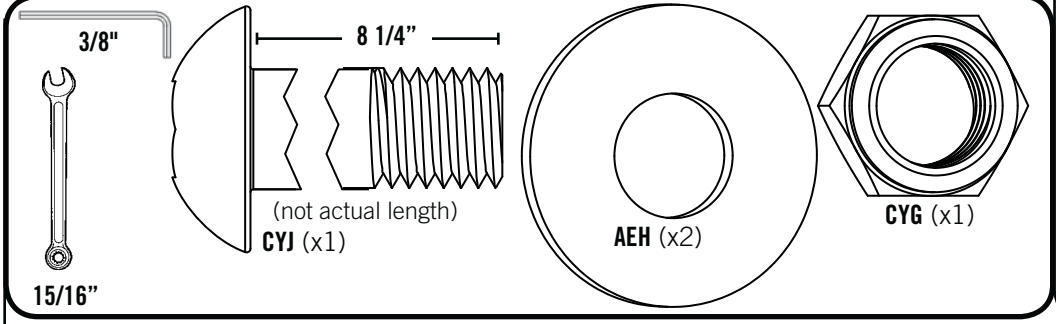
3/4" Wrench

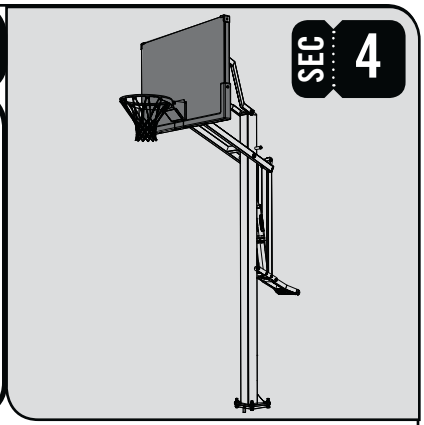


15/16" Wrench

3/8" Allen Wrench

TOOLS AND HARDWARE REQUIRED FOR THIS PAGE



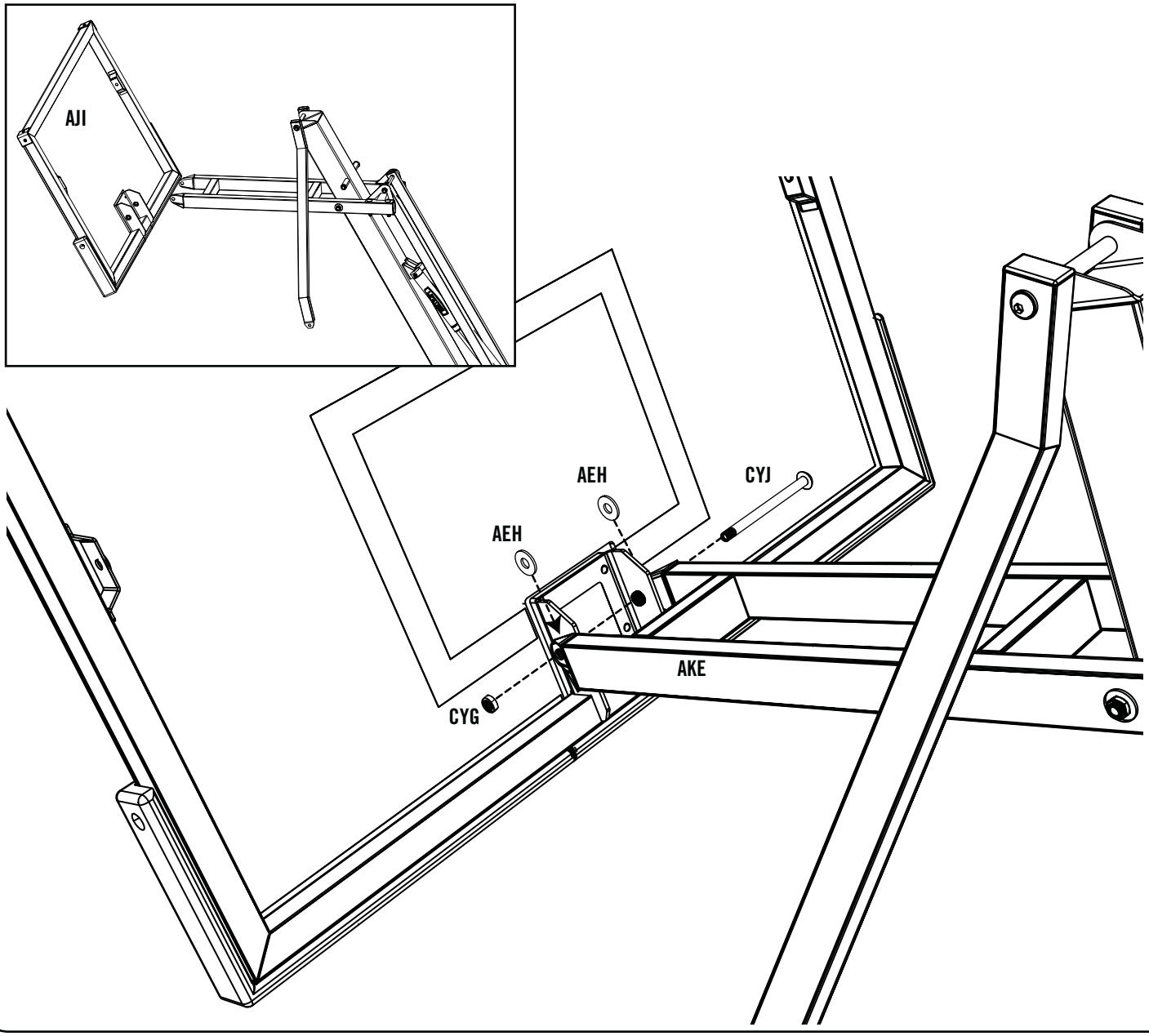


SEC 4

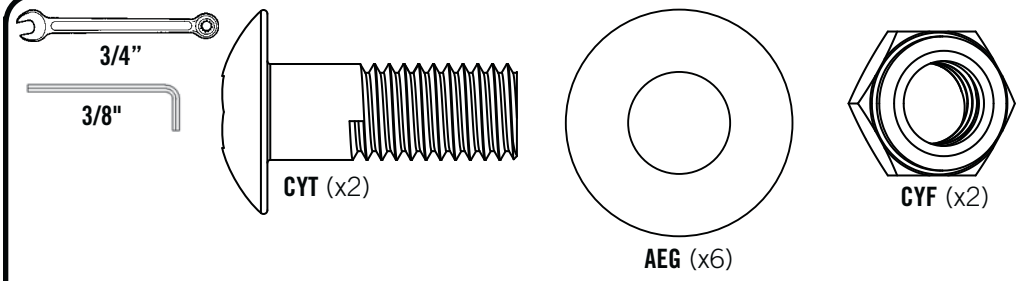
At least three adults are required to complete this portion of the assembly. To prevent serious injuries, the Pole should be held down by one adult at all times.

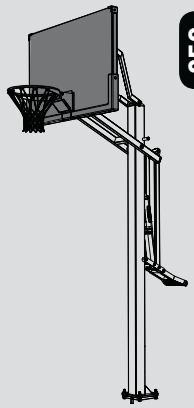
SEC 4.1

Attach the **Lower Extension Arms (AKE)** to the **Backboard (AJI)** using the hardware shown.



TOOLS AND HARDWARE REQUIRED FOR THIS PAGE

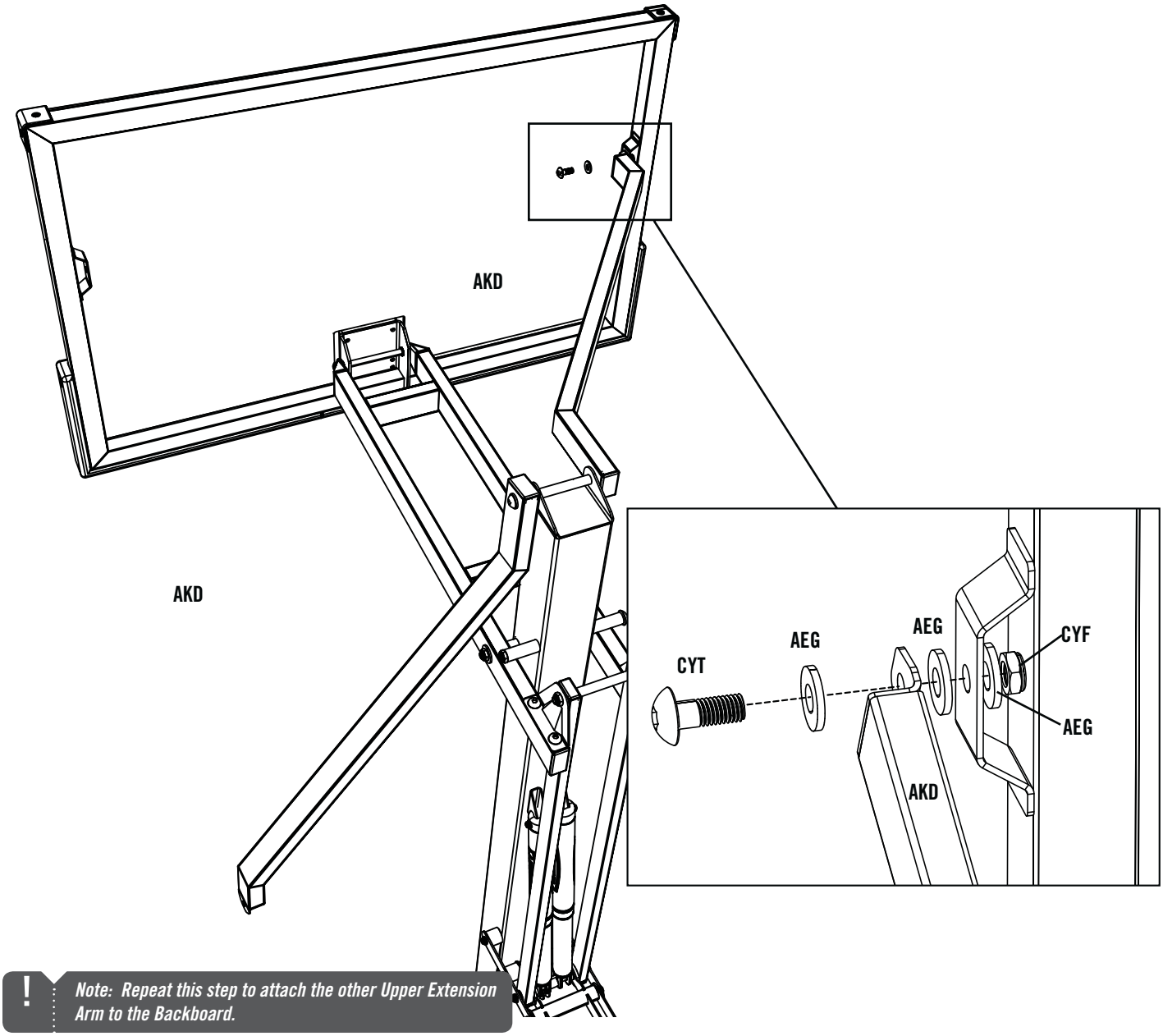




SEC 4

SEC 4.2

Attach the **Upper Extension Arm (AKD)** to the **Backboard (AJI)** using the hardware shown.

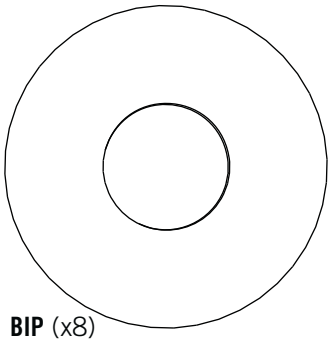


! *Note: Repeat this step to attach the other Upper Extension Arm to the Backboard.*

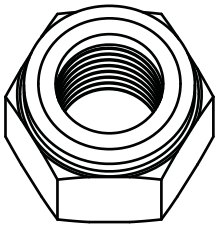
SEC 5 POLE TO J-BOLT TEMPLATE ASSEMBLY

HARDWARE REQUIRED

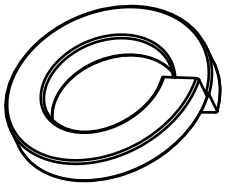
POLE TO J-BOLT ASSEMBLY HARDWARE [CZG]
Hardware shown at Actual Size



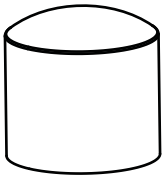
BIP (x8)
5/8" USS Washer



ADL (x4)
5/8" Nylock Nut



CUA (x4)
5/8" Lock Washer



AMS (x4)
5/8" Nylon Cap

PARTS REQUIRED

NO NEW PARTS REQUIRED FOR THIS SECTION

TOOLS USED (NOT INCLUDED)

15/16" Wrench

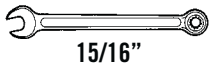
(x1)

Carpenter's Level

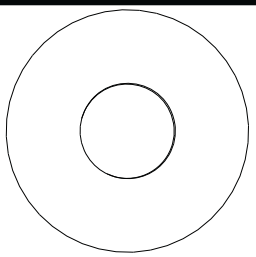
(x1)

Note: DO NOT PROCEED with this Section untill the concrete from Section 1 has been allowed to cure over at least 72 hours (3 days).

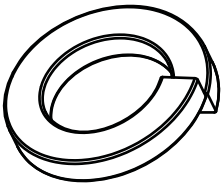
TOOLS AND HARDWARE REQUIRED FOR THIS PAGE



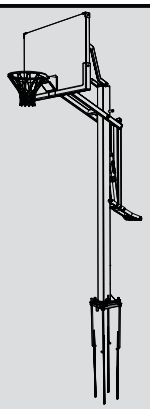
15/16”



BIP (x4)
(not actual size)



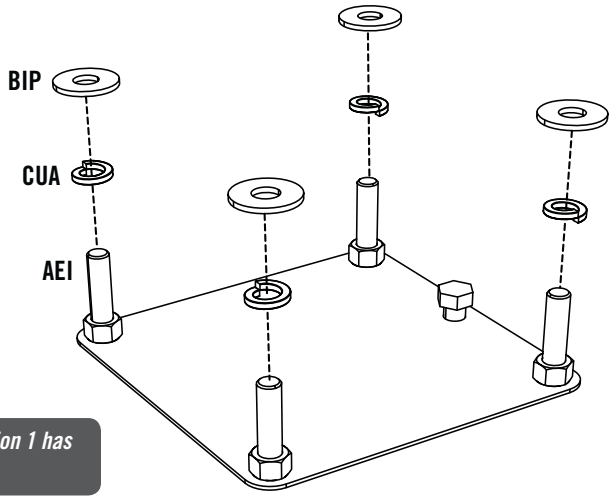
CUA (x4)



SEC 5

SEC 5.1

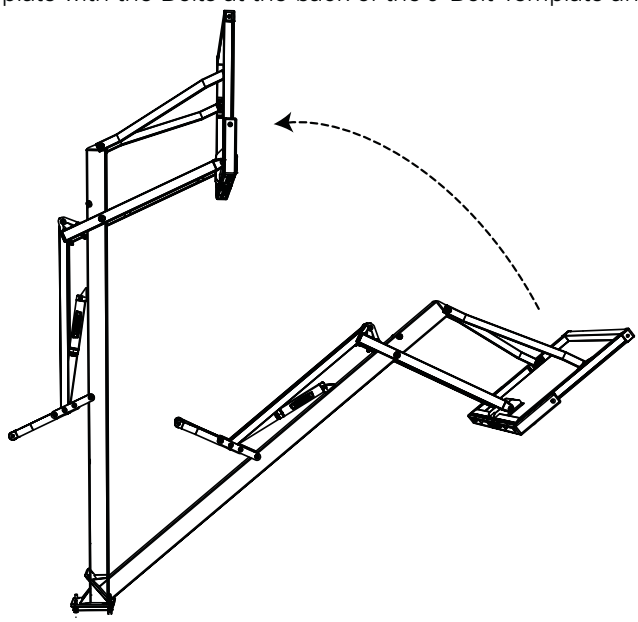
Stack a **5/8” Lock Washer (CUA)** and a **5/8” USS Washer (BIP)** onto the exposed ends of the **J-Bolts (AEI)**

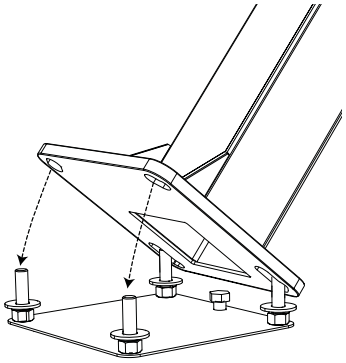


! *Note: DO NOT PROCEED untill the concrete from Section 1 has been allowed to cure over at least 72 hours (3 days).*

SEC 5.2

Position the Pole so the slots in the Pole plate are lined up with the two J-Bolts closest to the playing surface. Push the Pole plate against the Bolts, making sure the slots are lined up exactly with the Bolts. **Using at least six adults**, slowly and carefully lift the Pole up so the Bolts slide through the slots. Line up the holes at the back of the Pole plate with the Bolts at the back of the J-Bolt Template and stand the system completely vertical.



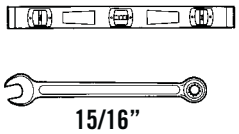


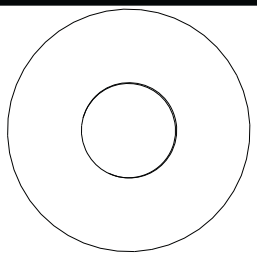
! *Note: Avoid scraping the holes in the plate over the Bolts, as this can damage the threads.*

⚠ WARNING

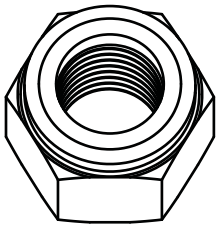
The assembled system is very heavy. At <u>least</u> six adults are required to complete these steps. Keep hands and fingers clear of pinch points. Do not put hands or fingers between the Pole and the mounting plate at any time. Stand the Pole up slowly and carefully. Failure to follow all of these instructions and warnings could lead to property damage or serious personal injuries.

TOOLS AND HARDWARE REQUIRED FOR THIS PAGE

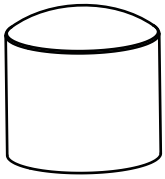




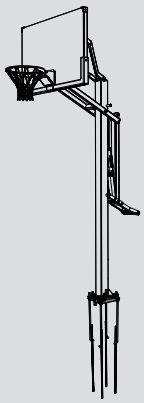
BIP (x4)
(not actual size)



ADL (x4)



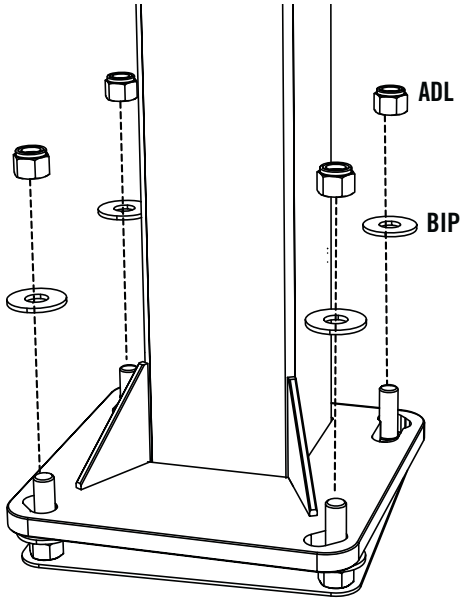
AMS (x4)



SEC 5

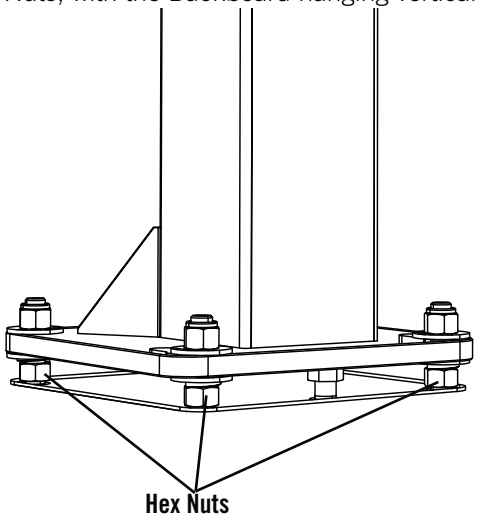
SEC 5.3

Have at least five people support the Pole as one person slides a **5/8” Flat Washer (BIP)** onto to the end of each J-Bolt and secure the Pole into position with a **5/8” Nylock Nut (ADL)**.



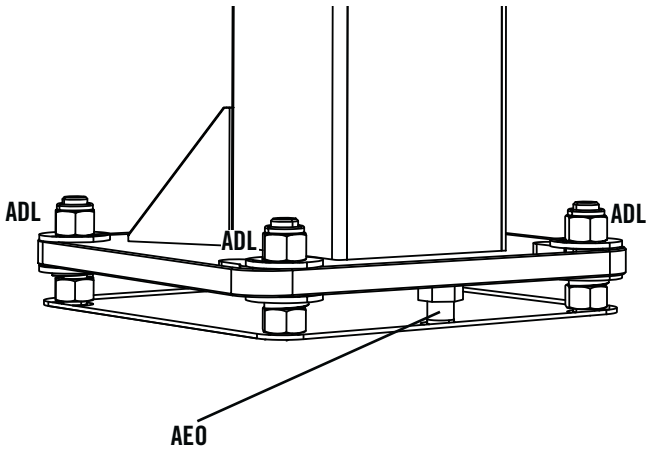
SEC 5.4

A MINIMUM OF THREE ADULTS ARE REQUIRED FOR THIS STEP. Have two adults continue supporting the Pole. Using a carpenter’s level on the face and the side of the Backboard, adjust the Hex Nuts between the J-Bolt Template and the Pole plate until the Pole plate is resting level on all four Nuts, with the Backboard hanging vertical.



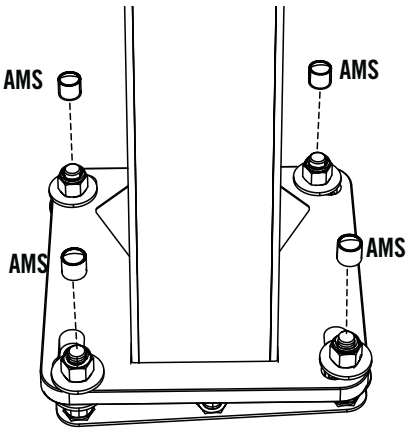
SEC 5.5

Tighten the four **Hex Nuts (ADL)** above the Pole plate until they are secure against the plate, making sure the backboard remains vertical. Turn the center **Hex Bolt (AEO)** until it touches the Pole plate.



SEC 5.6

Place a **5/8” Nylon Cap (AMS)** onto each J-Bolt.

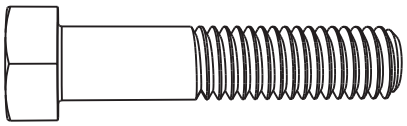


! *Note: Make sure the face and side of the Backboard are level, and perpendicular to the playing surface.*

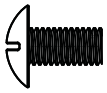
SEC 6 RIM TO BACKBOARD ASSEMBLY

HARDWARE REQUIRED

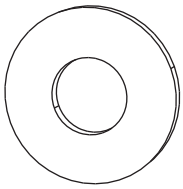
RIM TO BACKBOARD ASSEMBLY HARDWARE [BCS]
Hardware shown at Actual Size



ABY (x4)
3/8" x 1 3/4" Hex Bolt



ADU (x2)
M8 x 0.8mm
Panhead Screw

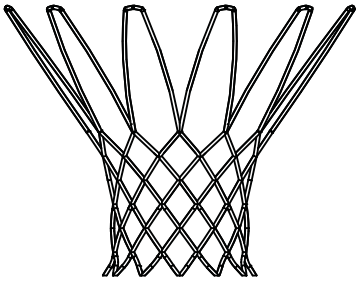


AAF (x8)
3/8" Flat Washer

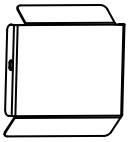
AAA (x4)
3/8"-16 Nylock Nut

PARTS REQUIRED

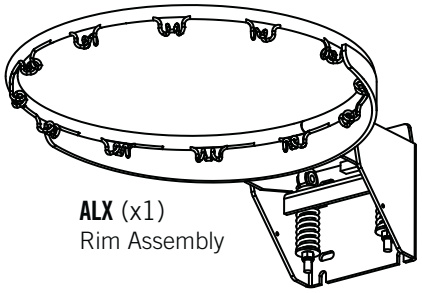
Part shown at 10% of Actual Size



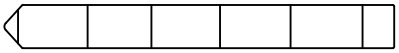
AKZ (x1)
Net



AMA (x1)
Rim Cover Plate



ALX (x1)
Rim Assembly



AKP (x1)
Height Sticker

TOOLS USED (NOT INCLUDED)

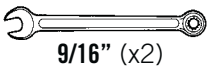
9/16" Wrench (x2)

Ladder (x2)

Flathead Screwdriver

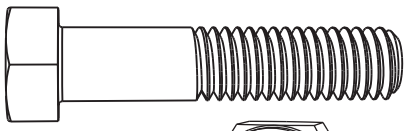
Tape Measure

TOOLS AND HARDWARE REQUIRED FOR THIS PAGE



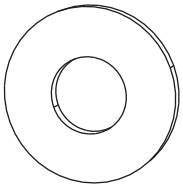
9/16” (x2)

(x2)

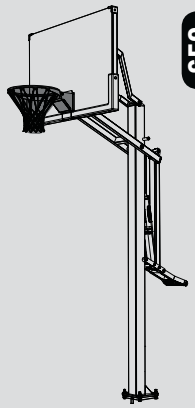


ABY (x2)

AAA (x2)



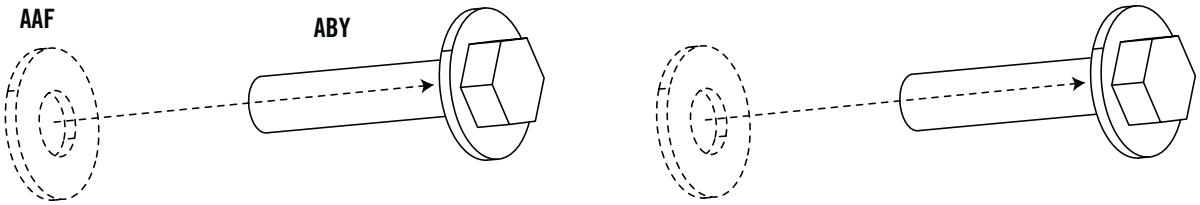
AAF (x4)



SEC 6

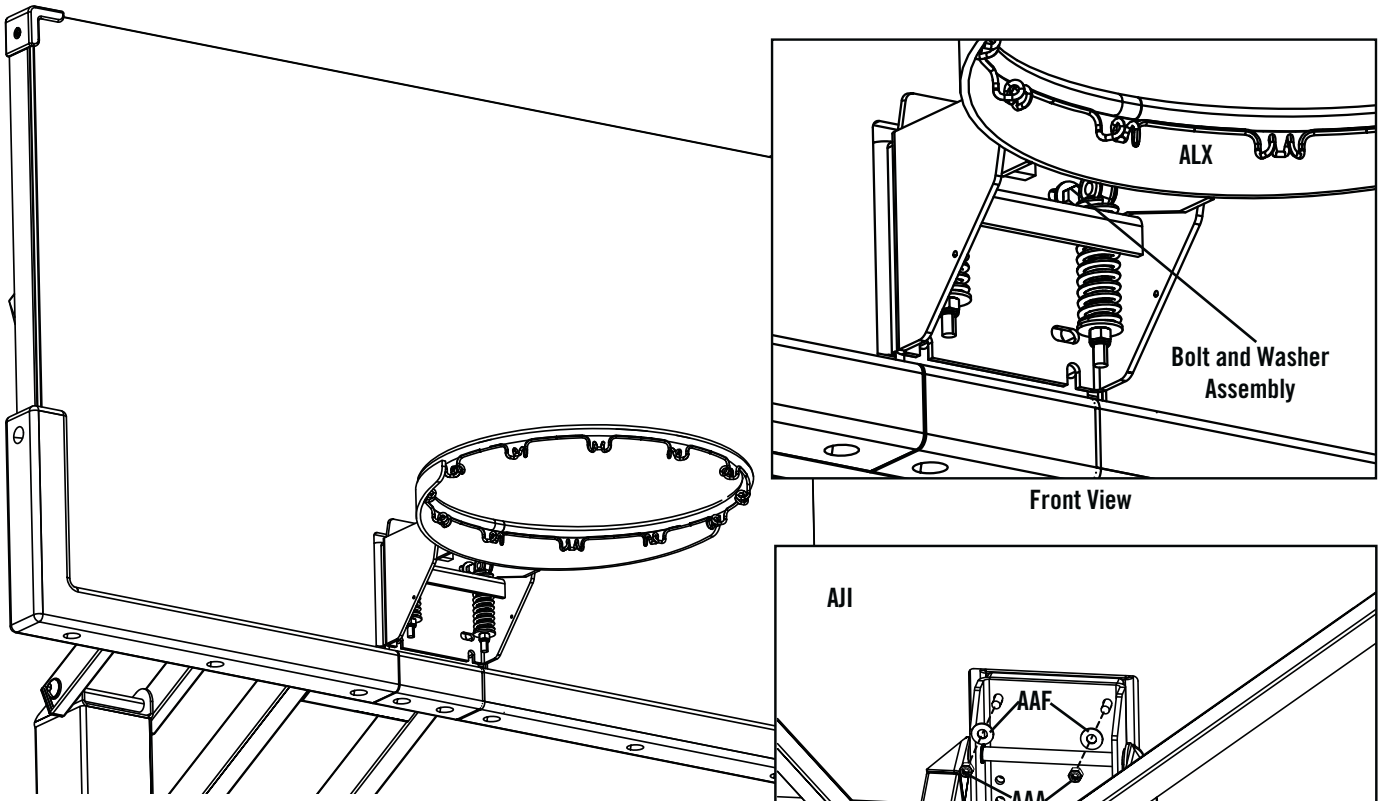
SEC 6.1

Slide a **3/8” Flat Washer (AAF)** onto to a **3/8” x 1 3/4” Hex Bolt (ABY)**. Do this for two Washers and Bolts.



SEC 6.2

While one person holds the **Rim (ALX)** in place, slide the Bolt and Washer assemblies from the previous step into the top slots in the Rim and through the **Backboard (AJI)**. Secure the hardware with **3/8” Flat Washers (AAF)** and **3/8”-16 Nylock Nuts (AAA)** on the reverse side of the Backboard as shown.

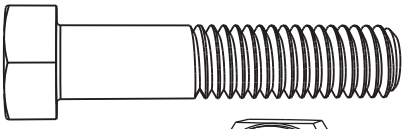


WARNING

Use extreme caution when standing on ladders to perform assembly steps. Follow all warnings and cautions on the ladder. Failure to follow all of these instructions and warnings could lead to serious personal injury or property damage.

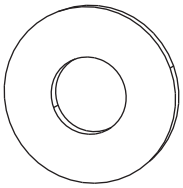
TOOLS AND HARDWARE REQUIRED FOR THIS PAGE

9/16” (x2)

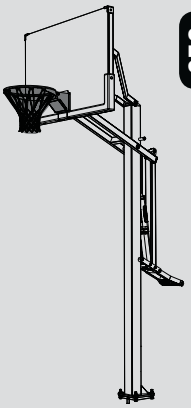


ABY (x2)

AAA (x2)



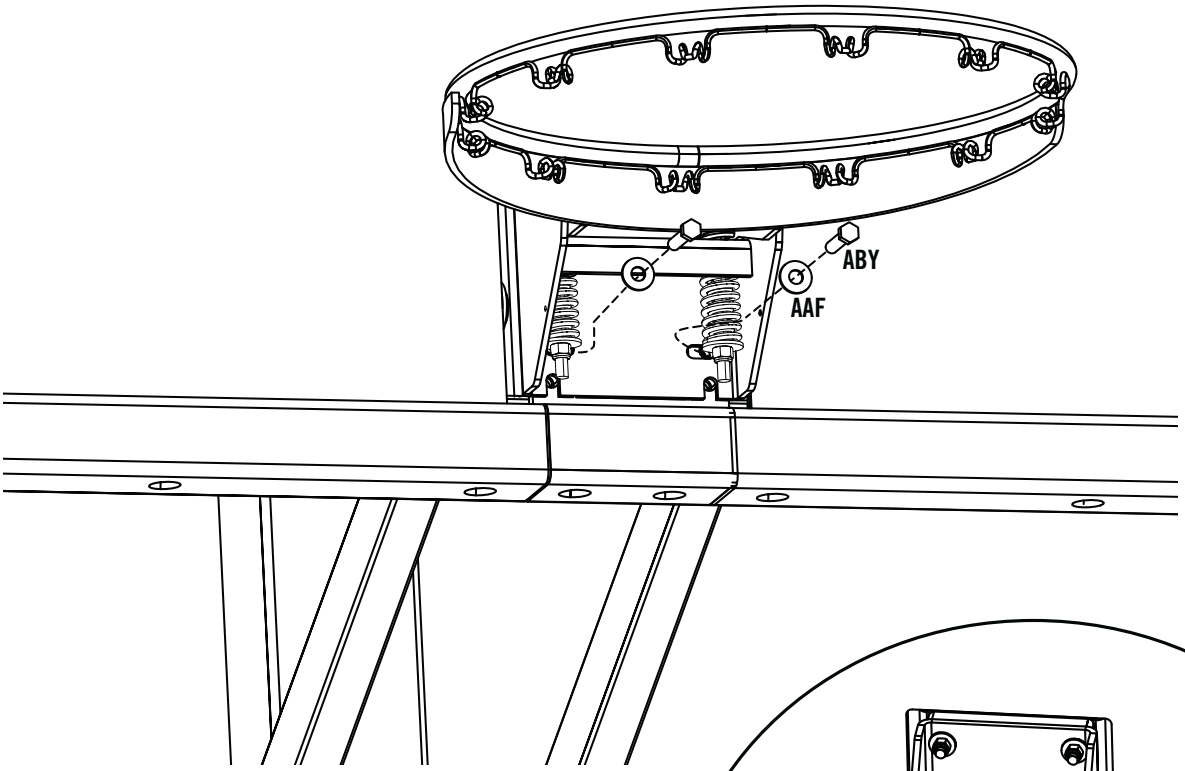
AAF (x4)

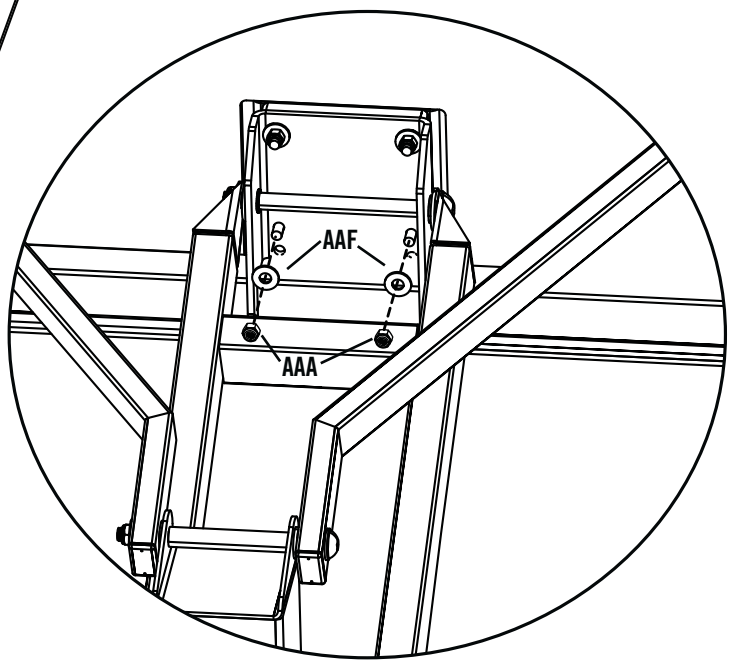


SEC 6

SEC 6.3

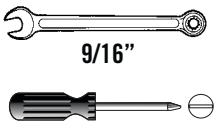
Slide the **3/8” x 1 3/4” Hex Bolt (ABY)** and **3/8” Flat Washer (AAF)** into the middle hole into the Rim Assembly and through the Backboard. Secure the hardware with another 3/8” Flat Washer and a **3/8” Nylock Nut (AAA)** on the backside of the Backboard as shown.

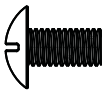


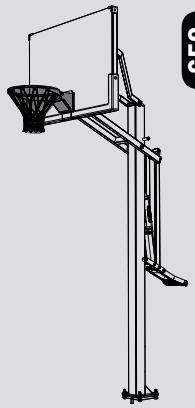


Rear View

TOOLS AND HARDWARE REQUIRED FOR THIS PAGE

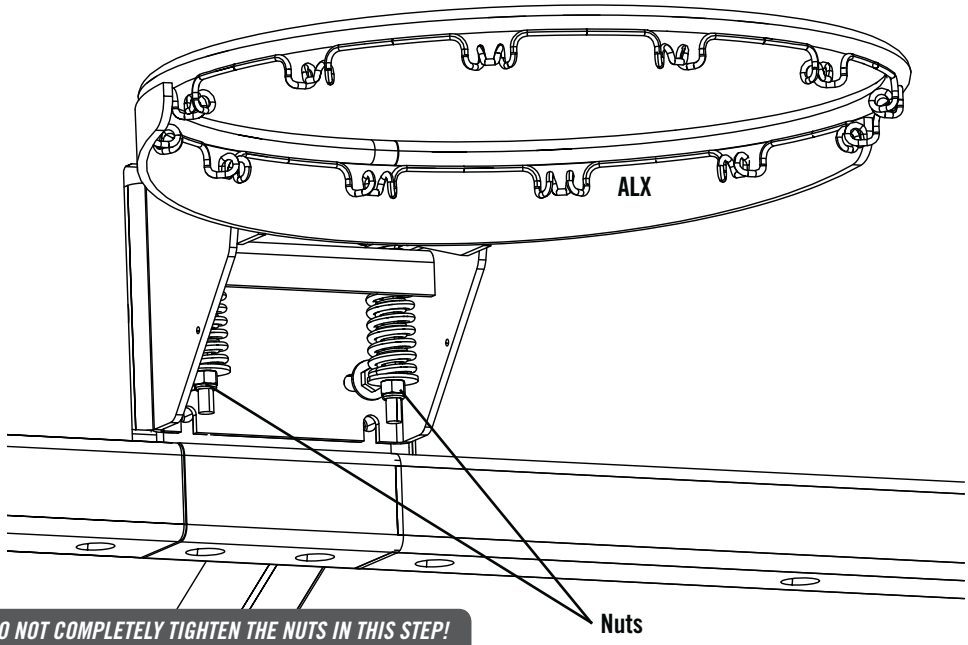






SEC 6.4

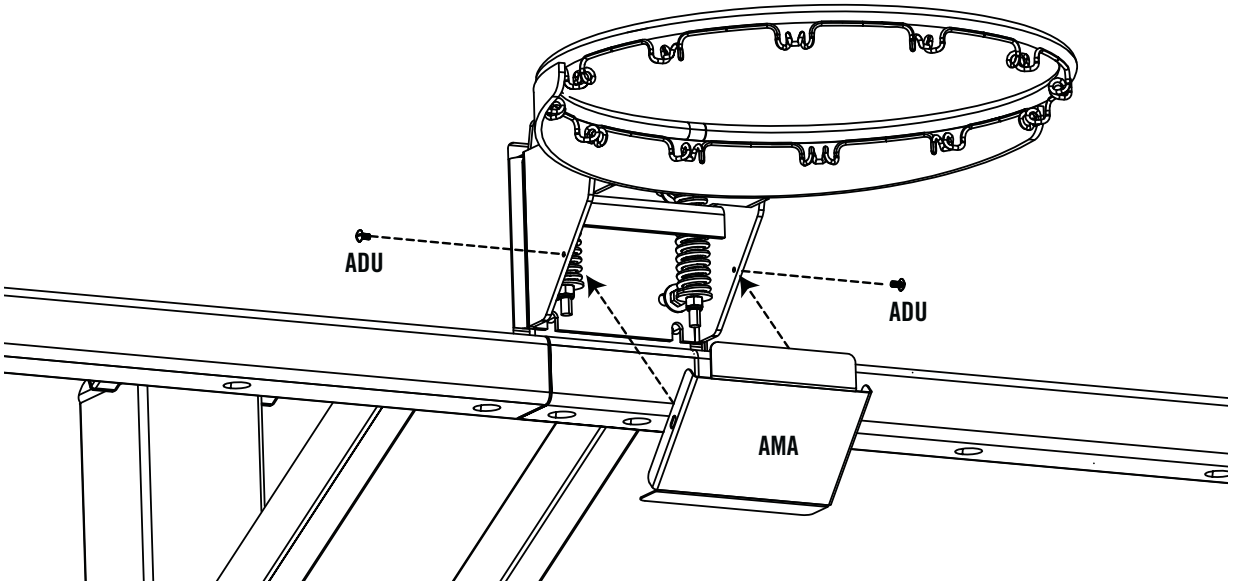
Adjust the tension of the **Rim (ALX)** by tightening the Nuts at the bottom of the Springs with a Wrench.



! *Note: DO NOT COMPLETELY TIGHTEN THE NUTS IN THIS STEP! Only tighten the Nuts until the Rim does not wobble.*

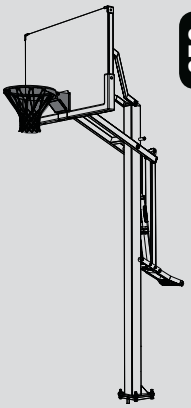
SEC 6.5

Attach **Rim Cover Plate (AMA)** to the Rim using the hardware shown.



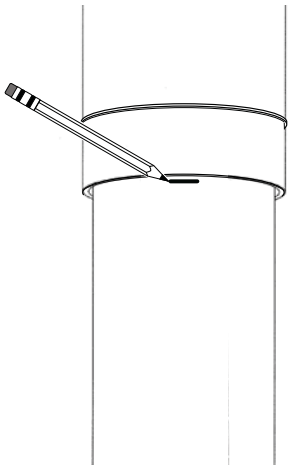
TOOLS AND HARDWARE REQUIRED FOR THIS PAGE

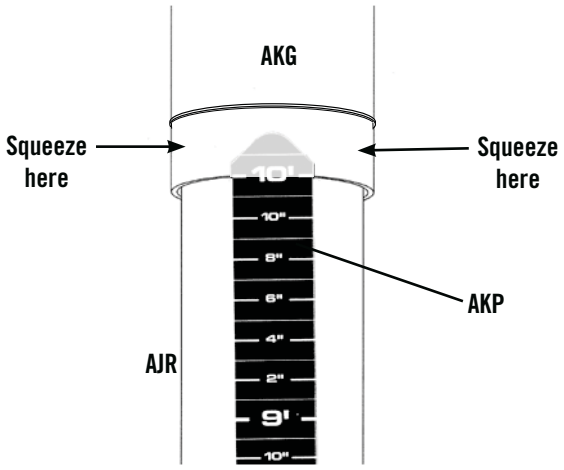
NO HARDWARE REQUIRED FOR THIS PAGE



SEC 6.6

Raise the Backboard until the top of the Rim is 10 feet (120") above the playing surface. Use a pencil to mark where the bottom of one of the **Gas Spring Covers (AKG)** meets the **Gas Spring (AJR)** as shown. Remove about an inch of backing from the top of the **Height Sticker (AKP)**. Squeeze one of the Gas Spring Covers to allow room for the Height Sticker and apply the Sticker to the back of the Gas Spring, lining up the 10' line with the pencil mark on the Gas Spring. Press the Sticker into place while slowly removing the rest of the backing to prevent wrinkles in the Sticker.

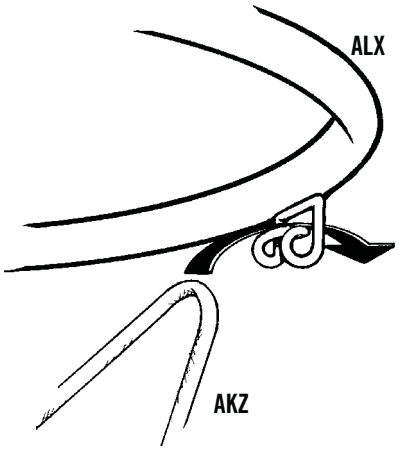




! *Note: Height Sticker (AKP) may be different than the one shown here.*

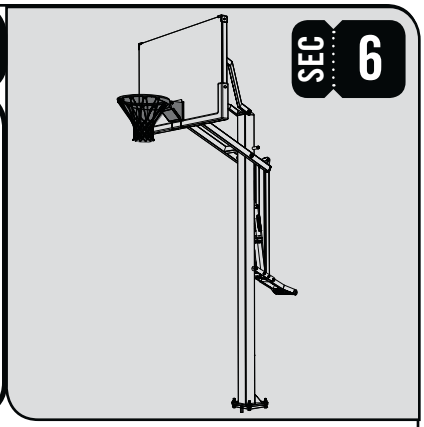
SEC 6.7

Remove the protective covering from the backboard and attach **Net (AKZ)** to the **Rim (ALX)**.



! *Note: If a replacement Net is needed, please call our Customer Service Department. Our Nets are shorter than average to reduce the risk of entanglement.*

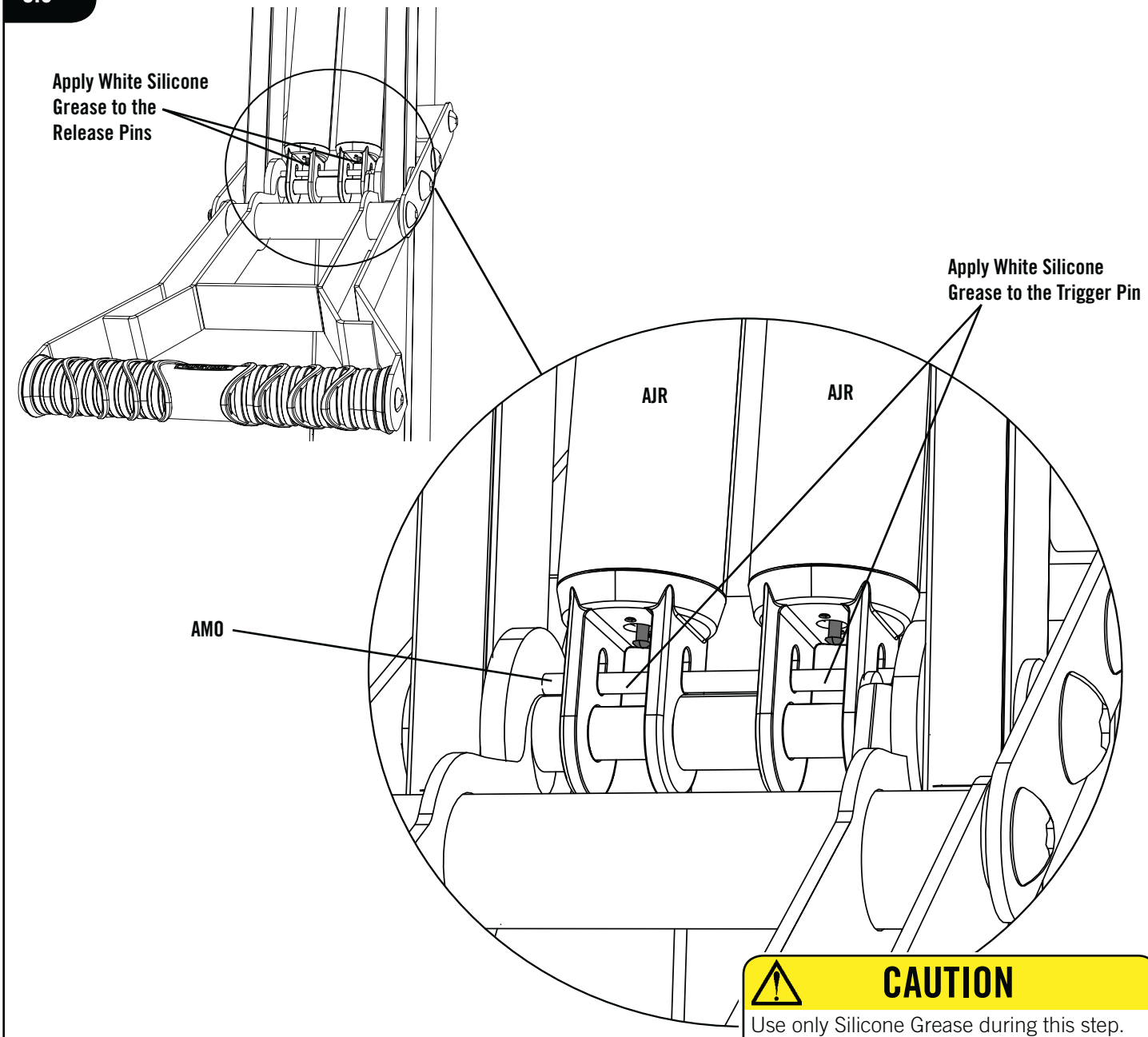
TOOLS AND HARDWARE REQUIRED FOR THIS PAGE



NO TOOLS OR HARDWARE REQUIRED FOR THIS PAGE

SEC 6.8

Apply grease generously from the **White Silicone Grease Packet (AKH)** to the **Trigger Pin (AMO)** and the Release Pins on each **Gas Spring (AJR)** as shown.



CAUTION

Use only Silicone Grease during this step. Lithium Grease may damage Gas Springs.

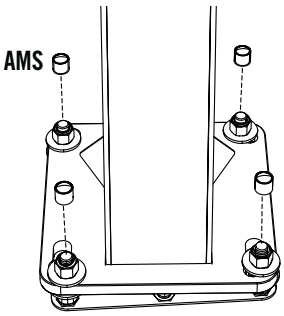
SEC 7 REMOVING THE BACKBOARD

DISASSEMBLE THE SYSTEM

In the event the Backboard should need replacing, please follow the instructions below. Never remove the Backboard from the system without first dissasembling the system as instructed. ***At least six adults are required to complete the following steps*:**

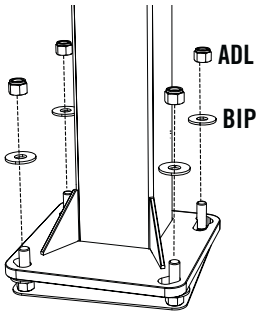
SEC 7.1

Remove the **5/8" Nylon Caps (AMS)** from each J-Bolt.



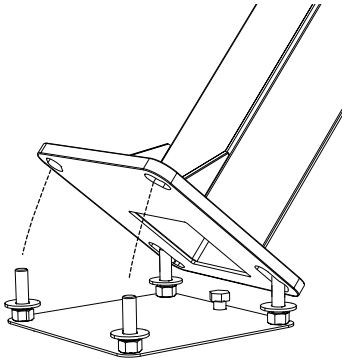
SEC 7.2

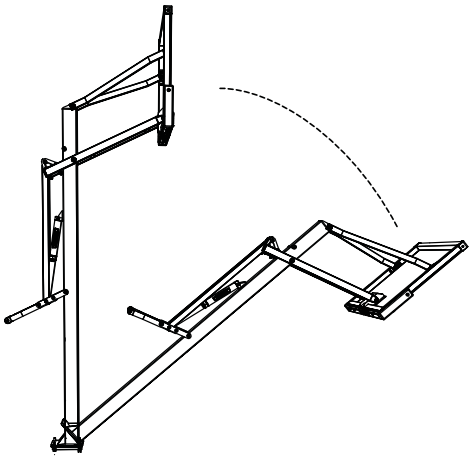
Have five adults hold the system steady as one adult removes the **5/8" Flat Washers (BIP)** and **5/8" Nylock Nuts (ADL)** from each J-Bolt.



SEC 7.3

Use all six people and carefully lower the system to the ground.





! ***Note: Place cardboard or other cushioning material between the backboard and the ground.***

SEC 7.4

- Remove the hardware that attaches the Extension Arms to the Backboard.
- Reverse the steps in Section 4 to carefully remove the Backboard from the system.
- Being careful of the glass, reverse the steps in Section 6 to remove the rim from the backboard.
- Set aside the Rim and all hardware for re-assembly with a replacement backboard.
- Follow Sections 4-6 of this manual to reassemle the system with a new Backboard.

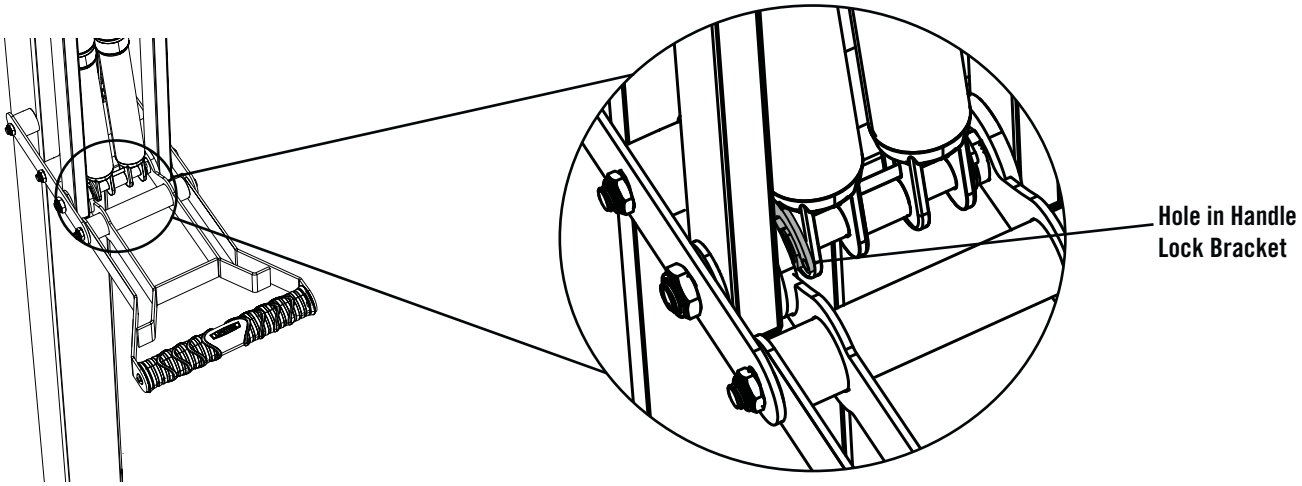
⚠ WARNING

The assembled system is very heavy. At <u>least</u> six adults are required to complete these steps. Keep hands and fingers clear of pinch points. Do not put hands or fingers between the Pole and the mounting plate at any time. Stand the Pole up slowly and carefully. Failure to follow all of these instructions and warnings could lead to property damage or serious personal injuries.

OPERATION OF HEIGHT ADJUSTMENT SYSTEM

The basketball system may be adjusted from 7 1/2 feet to 10 feet.
TO RAISE OR LOWER THE HOOP:

a. Grasp the Handle Assembly firmly and press the Handle downward to raise the hoop. Move the handle upward to lower the hoop.
b. Once the system has been set at the desired height, you may use the **Pad Lock (ALC)** to prevent it from being adjusted. Rotate the **Handle Lock Bracket (AKX)** so it slides over the **Trigger Pin (AMO)** and loop the Pad Lock through the hole in the Lock Bracket.



! *Note: If there is difficulty adjusting the system height, loosen the four Bolts on the Handle Assembly. DO NOT overtighten the hardware. The Handle must be able to rotate on the pole. You should be able to rotate the Spacers with your fingers.*

POLE CARE AND SYSTEM MAINTENANCE

The life of your basketball system depends on many variables. The climate, exposure to corrosives such as salt, pesticides, or herbicides, and excessive use or misuse can all contribute to pole failure, which may cause property damage or personal injury. Check your basketball system frequently for loose hardware, excessive wear, and signs of corrosion. For safety reasons, and to prolong the life of your basketball system, you must take the following preventive measures.

a. Check all Nuts and Bolts. If any are loose, tighten them.
b. Check all parts for excessive wear and tear. If necessary, replace any parts that have been worn or damaged through usage. Contact our Customer Service Department for replacement parts.
c. Inspect the Warning Sticker on the pole. If it is ripped, faded, or illegible, call our Customer Service Department to request a replacement Sticker.
d. Check all Pole sections for visible rust or chipped or cracked paint. If either are present, do the following:
    1. Use an emery cloth to completely remove any rust or chipped paint.
    2. Clean the area with a damp cloth and allow it to dry.
    3. Apply two coats of a rust preventative, high gloss enamel paint to the area. Allow the paint to dry between coats.

IF RUST HAS PENETRATED THROUGH THE POLE ANYWHERE, REPLACE IT IMMEDIATELY!

WARNING

- Failure to comply with these warnings could result in broken bones, cuts, nerve damage, spinal cord or brain injury, or death.
- DO NOT allow children to adjust the unit.
- DO NOT HANG FROM ANY PART OF THE UNIT, including the backboard, support braces, rim or net. Hanging from the system may cause injuries such as those listed above, damage the unit, and void the product warranty.
- DO NOT slide, climb, or play on the pole. Keep organic material away from the pole base. Grass, litter, etc. could cause corrosion and/or deterioration.
- DO NOT use the system to lift or hoist anything. The gas spring is designed to lift only the weight of the backboard and rim. DO NOT hang anything from the handle, rim, backboard, or lifter arms, as this will damage the system and void the product warranty.
- Inspect the unit before each use for loose hardware, excessive wear, and signs of corrosion and repair before use. Pay particular attention to the anchor hardware.
- Check pole system twice a year for signs of corrosion (rust, pitting, chipping) and repaint with exterior enamel paint. If rust has penetrated pole or any component, replace damaged parts immediately. Inspect the gas spring for visible signs of oil anywhere on the spring. If oil is found, replace gas spring immediately. Thoroughly inspect all welds for signs of rust or weld failure.
- Check the unit before each use for stability.
- Use caution when performing dunk-type activities on this unit.
- All players must wear a mouth guard while playing close to the net. During play, use extreme caution to keep each player's face away from the backboard, rim, and net. Serious injury can occur if teeth/face come in contact with the backboard, rim, or net.
- DO NOT wear jewelry (rings, watches, necklaces, etc.) while using the system. Serious personal injury may occur if jewelry is caught on the rim or net.

OWNERS MUST ENSURE THAT ALL PLAYERS KNOW AND FOLLOW THESE RULES FOR SAFE OPERATION OF THIS UNIT.

ADJUSTING SYSTEM HEIGHT

TO RAISE OR LOWER THE GOAL: GRASP ADJUSTMENT HANDLE FIRMLY AND RAISE OR LOWER GOAL. WHEN THE DESIRED HEIGHT IS REACHED, RELEASE ADJUSTMENT HANDLE.

CUSTOMER SERVICE (USA/CANADA ONLY)
1-800-225-3865

10/07/2011 **Made in China** **Part # 1103320**

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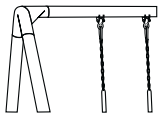

WARRANTY INFORMATION

LIFETIME BASKETBALL EQUIPMENT

LIMITED LIFETIME FACTORY WARRANTY

THE MANUFACTURER RESERVES THE RIGHT TO MAKE SUBSTITUTIONS TO WARRANTY CLAIMS IF PARTS ARE UNAVAILABLE OR OBSOLETE.

1. Lifetime basketball systems are warranted to the original purchaser to be free from defects in material or workmanship for the duration of ownership by the original retail purchaser. The word “defects” is defined as imperfections that impair the use of the product. Defects resulting from misuse, abuse or negligence will void this warranty. This warranty does not cover defects due to improper installation, alteration or accident. This warranty does not cover damage caused by vandalism, rusting, “acts of nature” or any other event beyond the control of the manufacturer.

2. This warranty does not cover breakage of the tempered glass playing surface.

3. This warranty is nontransferable and is expressly limited to the repair or replacement of defective basketball equipment. If the equipment is defective within the terms of this warranty, Lifetime Products, Inc. will repair or replace defective parts at no cost to the purchaser. Shipping charges to and from the factory are not covered and are the responsibility of the purchaser. Labor charges and related expenses for removal, installation or replacement of the basketball system or its components are not covered under this warranty.

4. This warranty does not cover scratching or scuffing of the product that may result from normal usage. In addition, defects resulting from intentional damage, negligence, unreasonable use or hanging from the net or rim will void this warranty.

5. Liability for incidental or consequential damages is excluded to the extent permitted by law. While every attempt is made to embody the highest degree of safety in all equipment, freedom from injury cannot be guaranteed. The user assumes all risk of injury resulting from the use of this product. All merchandise is sold on this condition, and no representative of the company may waive or change this policy.

6. This product is not intended for institutional or commercial use; Lifetime Products, Inc. does not assume any liability for such use. Institutional or commercial use will void the warranty.

7. This warranty is expressly in lieu of all other warranties, expressed or implied, including warranties of merchantability or fitness for use to extent permitted by Federal and state law. Neither Lifetime Products, Inc., nor any representative assumes any other liability in connection with this product. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

ALL WARRANTY CLAIMS MUST BE ACCOMPANIED BY A SALES RECEIPT.
REPORT PRODUCT DEFECTS IN WRITING TO:
Lifetime Products, Inc., PO Box 160010 Clearfield, UT 84016-0010, or call (800) 225-3865 M-F 7 a.m. to 5 p.m. MST.
Call or visit our Web site for Saturday hours
Please include your dated sales receipt and photographs of damaged parts.
To register the product, visit our Web site at www.lifetime.com

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