

CITY HOOPS



**INSTALLATION AND
OWNER'S INSTRUCTIONS**

TRAVELER / CHTRAV01

SAFETY INSTRUCTIONS

WARNING

FAILURE TO COMPLY WITH ANY OF THE WARNINGS IN THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY

FAILURE TO COMPLY MAY ALSO RESULT IN PROPERTY DAMAGE. PLEASE HEED ALL WARNINGS AND CAUTIONS TO ENSURE YOUR SAFETY

DO NOT ATTEMPT TO ASSEMBLE THIS SYSTEM WITHOUT CAREFULLY READING AND FOLLOWING ALL INSTRUCTIONS. BEGIN BY IDENTIFYING AND TAKING INVENTORY OF ALL PARTS USING THE PARTS LIST PROVIDED.

**A MINIMUM OF FOUR ADULTS IS
REQUIRED TO LIFT BACKBOARD INTO PLACE**

BEFORE YOU START

- A. Identify and inventory all parts using the checklist boxes in the parts list. Be sure to keep the hardware bags and their contents separate.

If any parts are missing call our Customer Service Department 1(866)-611-8552.

- B. Test fit all bolts by inserting them into the respective hole. 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.

SAFETY INSTRUCTIONS

FAILURE TO FOLLOW THESE SAFETY INSTRUCTIONS MAY RESULT IN SERIOUS INJURY OR PROPERTY DAMAGE AND WILL VOID THE WARRANTY. The owner must ensure that all players know and follow these rules to safely operate the system. Proper and complete assembly, use and supervision is essential for proper operation and to reduce the risk of accident or injury. A high probability of serious injury exists if this system is not installed, maintained, or operated properly.

- If using a ladder during assembly, use extreme caution. Follow all warnings and cautions on the ladder carefully.
- 4 people are required to lift backboard into place.
- Before digging, contact the appropriate agency to locate underground power cables, gas, and water lines. Do not install the system within 20 feet of overhead power lines.
- Climate, corrosion, or misuse could result in system failure.
- If technical assistance is required, contact the manufacturer.
- Minimum operational height is 5' to the Rim. Most injuries are caused by misuse and /or failure to follow instructions. Use caution when using the system.

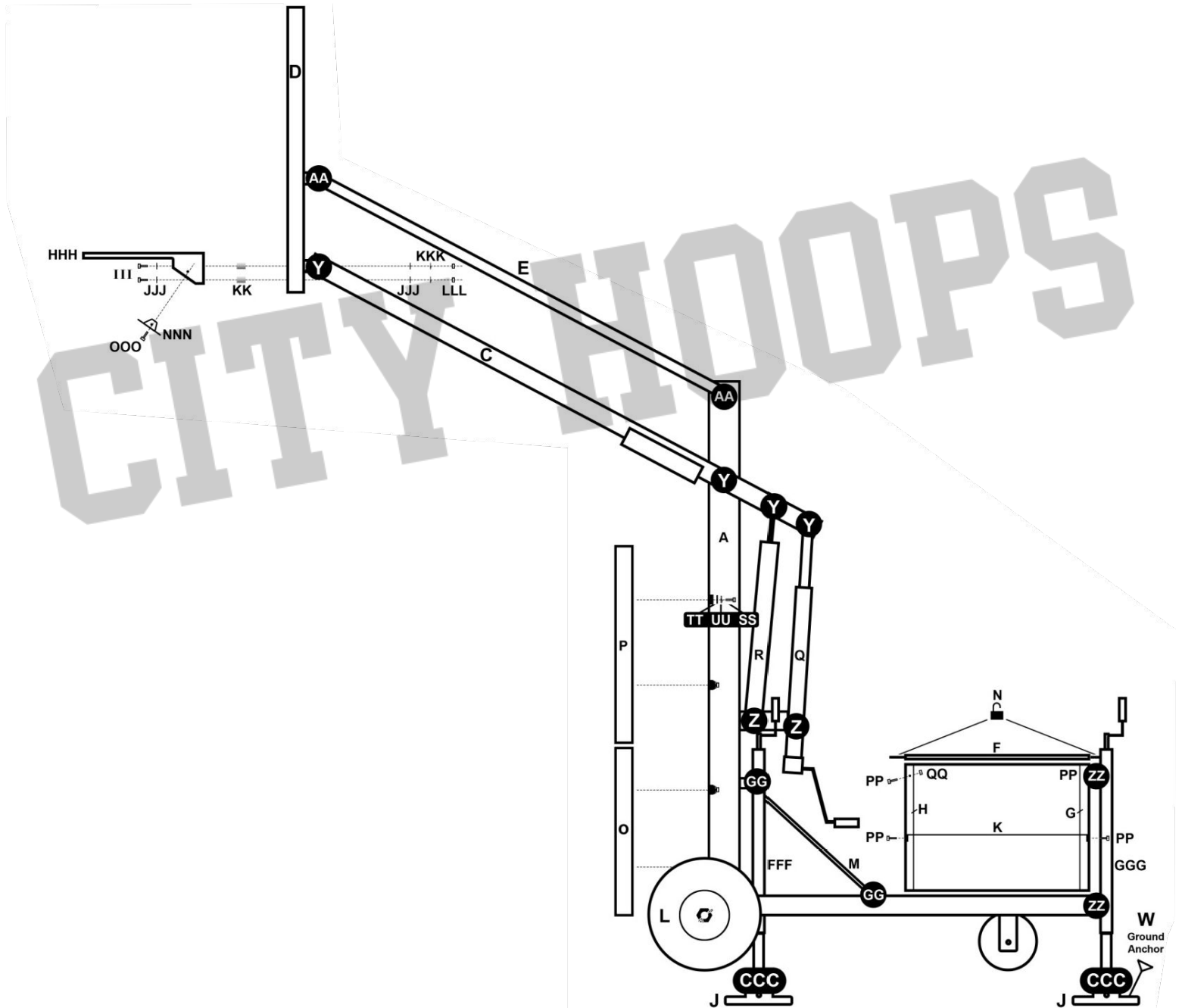
Parts / Hardware List

PARTS LIST		
REF	QTY	DESCRIPTION
A	1	VERTICAL POST
B	1	BASE
C	1	MAIN EXTENSION ARM
D	1	BACKBOARD ASSEMBLY
E	2	UPPER PARRALLEL LINKAGE ARM
F	1	WEIGHT BOX COVER
G	1	WEIGHT BOX BACK WALL
H	1	WEIGHT BOX FRONT WALL
I	2	WEIGHT BOX SIDE WALL
J	4	LEVELER FEET
K	1	WEIGHT DIVIDER
L	2	TURF WEEL
M	2	MAIN POLE SUPPORT BRACE
N	2	WEIGHT BOX LOCK
O	1	POLE PAD BOTTOM
P	1	POLE PAD TOP
Q	1	HEIGHT ADJUSTMENT ACTUATOR
R	1	SPRING ASSIST
S	1	SAFETY PIN
T	1	SAFETY PIN LOCKIN PIN
U	1	RIM HEIGHT STICKER
V	1	RIM HEIGHT INDICATOR METER
W	2	GROUND ANCHOR ASSEMBLY
X	4	CONCRETE ANCHOR ASSEMBLY
Y	4	16MM X 33CM HEX BOLT
Z	2	14MM X 13CM HEX BOLT
AA	2	16MM X 30CM HEX BOLT
BB	10	16MM LOCKING HEX NUT BOLT (4 USED FOR MAIN POLE MOUNTING)
CC	2	14MM LOCKING HEX NUT
DD	4	16MM X 6CM HEX BOLT (MAIN POLE MOUNTING)
EE	8	16MM FLAT WASHER (MAIN POLE MOUNTING)
FF	4	16MM LOCK WASHER (MAIN POLE MOUNTING)
GG	4	12MM X 4.5CM HEX BOLT (MAIN POLE SUPPORT ASSEMBLY)
HH	8	12MM FLAT FLAT WASHER (MAIN POLE SUPPORT ASSEMBLY)
II	4	12MM LOCK WASHER (MAIN POLE SUPPORT ASSEMBLY)
JJ	4	12MM HEX NUT (MAIN POLE SUPPORT ASSEMBLY)

PARTS LIST		
KK	4	RIM SPACERS
LL	1	AXLE
MM	2	HEX NUT (AXLE ASSEMBLY)
NN	2	AXLE SPACER
OO	16	6MM FLAT WASHERS (WEIGHT BOX ASSEMBLY)
PP	10	6MM X 1.5CM ALLEN BOLTS (WEIGHT BOX ASSEMBLY)
QQ	8	6MM HEX NUTS (WEIGHT BOX ASSEMBLY)
RR	2	COTTER PIN (AXLE ASSEMBLY)
SS	8	8MM X 3CM HEX BOLT (PADDING ASSEMBLY)
TT	8	8MM FLAT WASHER (PADDING ASSEMBLY)
UU	8	8MM LOCK WASHER (PADDING ASSEMBLY)
VV	8	10MM X 4CM HEX BOLT (FRONT LEVELER ASSEMBLY)
WW	16	10MM FLAT WASHER (FRONT LEVELER ASSEMBLY)
XX	8	10MM LOCK WASHER (FRONT LEVELER ASSEMBLY)
YY	8	10MM HEX NUT (FRONT LEVELER ASSEMBLY)
ZZ	4	12MM X 11CM HEX BOLT (BACK LEVELER ASSEMBLY)
AAA	8	12MM FLAT WASHER (BACK LEVELER ASSEMBLY)
BBB	4	12MM LOCKING HEX NUT (BACK LEVELER ASSEMBLY)
CCC	4	14MM X 9CM HEX BOLT (LEVELER FEET ASSEMBLY)
DDD	8	14MM FLAT WASHER (LEVELER FEET ASSEMBLY)
EEE	4	14MM LOCKING HEX NUT (LEVELER FEET ASSEMBLY)
FFF	2	FRONT LEVELER
GGG	2	BACK LEVELER
HHH	1	RIM
III	4	10MM X 7CM HEX BOLT (RIM ASSEMBLY)
JJJ	8	10MM FLAT WASHERS (RIM ASSEMBLY)
KKK	4	10MM LOCK WASHERS (RIM ASSEMBLY)
LLL	4	10MM HEX NUT (RIM ASSEMBLY)
MMM	4	RIM SHIM WASHERS (OPTIONAL)
NNN	1	RIM COVER PLATE (RIM ASSEMBLY)
OOO	2	RIM COVER PLATE SCREWS (RIM ASSEMBLY)
PPP	2	12MM X 12CM HEX BOLT (BACK WHEEL ASSEMBLY)
QQQ	4	12MM FLAT WASHER (BACK WHEEL ASSEMBLY)
RRR	4	STEEL SPACER (BACK WHEEL ASSEMBLY)
SSS	2	12MM LOCK HEX NUT (BACK WHEEL ASSEMBLY)
TTT	2	BACK WHEELS (BACK WHEEL ASSEMBLY)

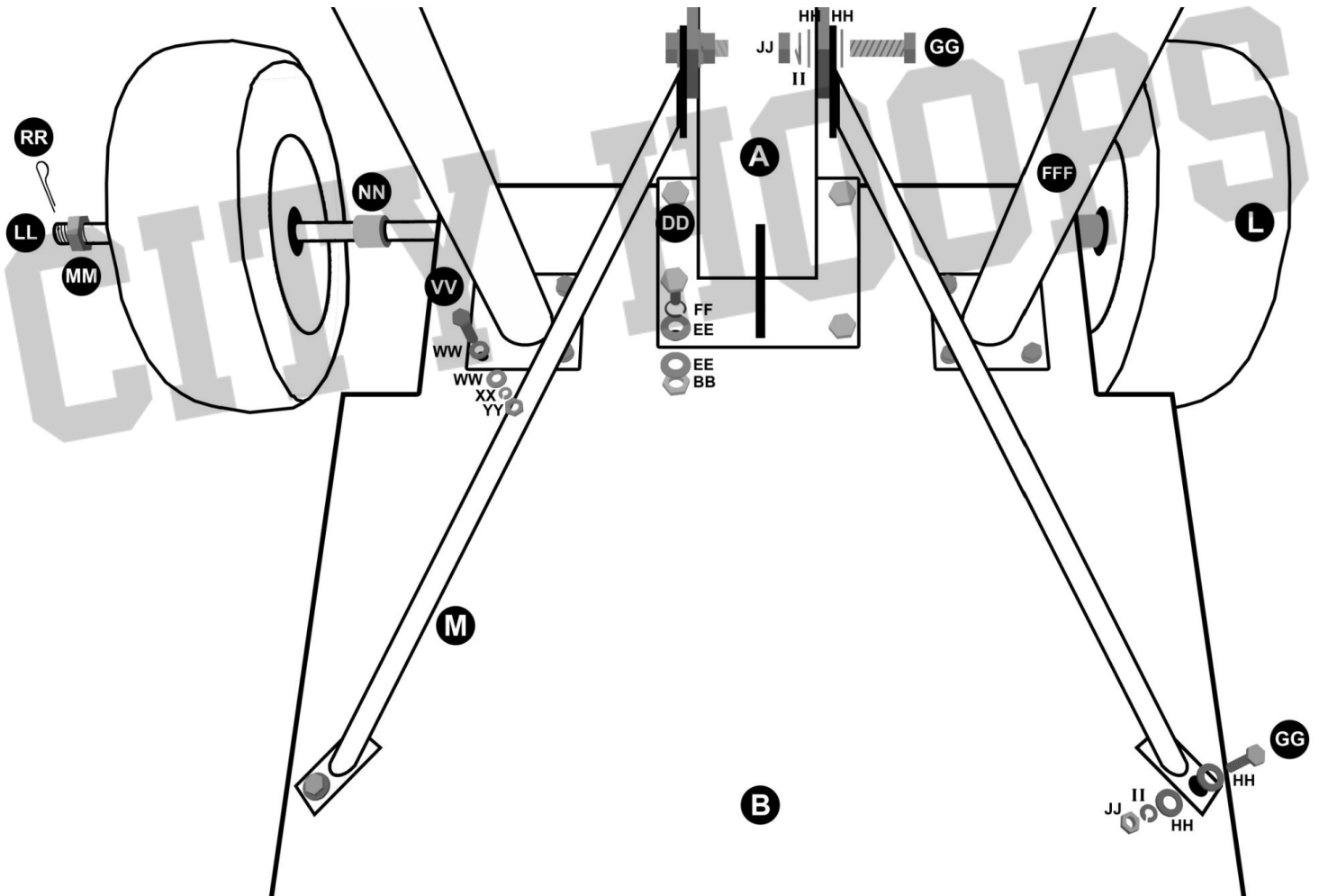
Hardware Diagrams (1/2)

(Tear this page out for reference during assembly)



Hardware Diagrams (2/2)

(Tear this page out for reference during assembly)



ASSEMBLY INSTRUCTIONS

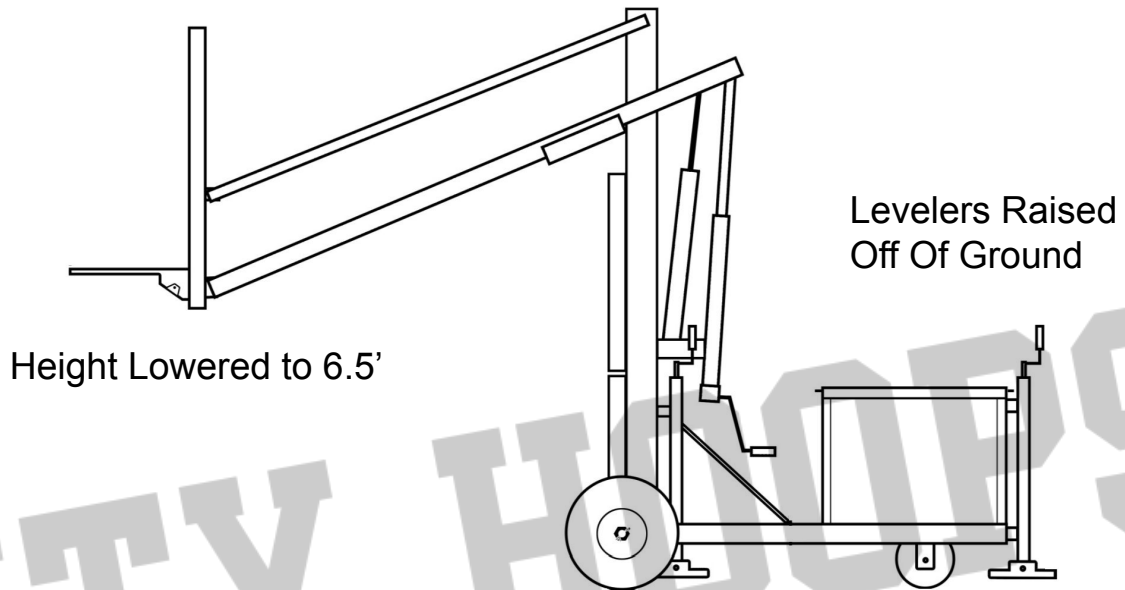
Tools & Materials Required For Complete Installation

1. 30 Solid Concrete Blocks (Common: 4"x8"x16", Actual: 3.625" x 7.625" x 15.625")
2. Spirit / Bubble / Carpenter Level
3. Tape Measure
4. Box Cutter
5. (2) Large Crescent Wrenches
6. (1) 4mm Allen Key
7. Gloves
8. Pencil

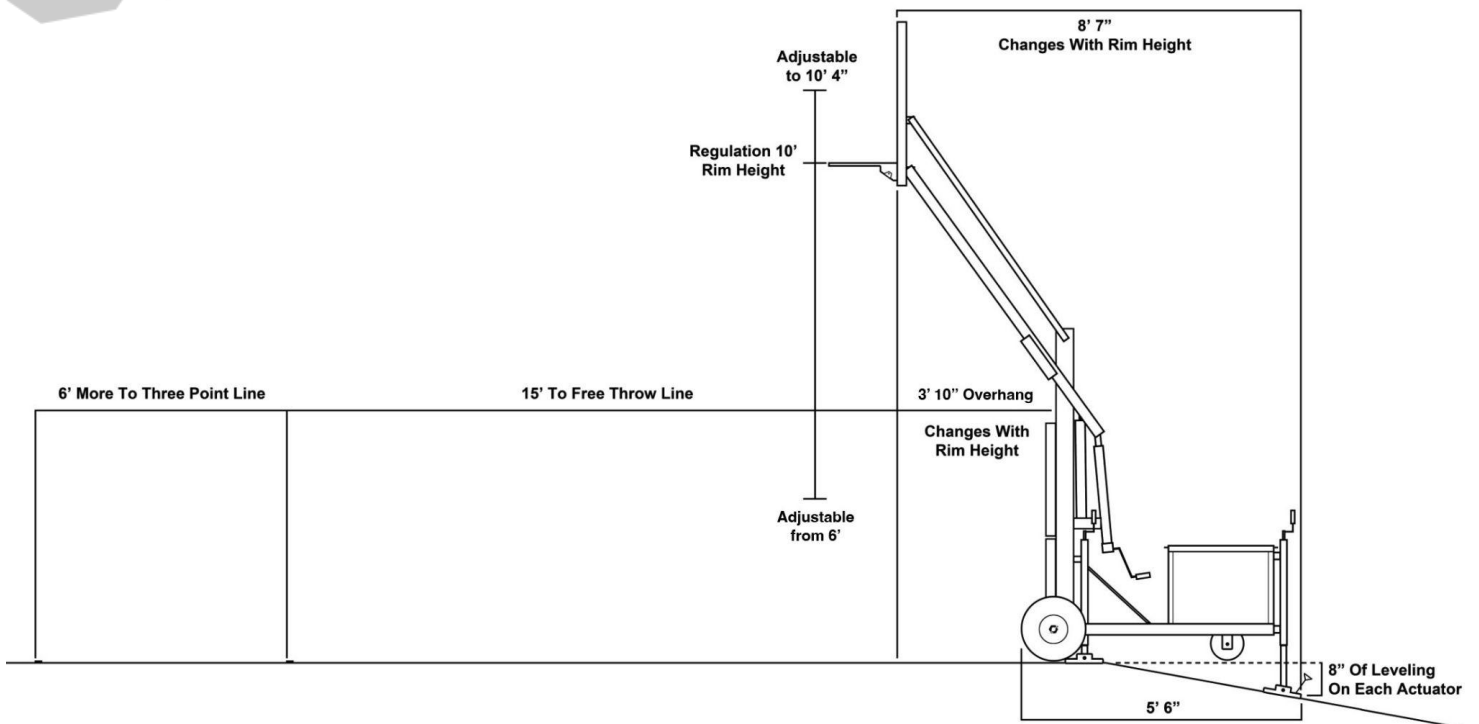


4x8x16 inch Solid Cap Concrete Block

STORING YOUR ASSEMBLED TRAVELER

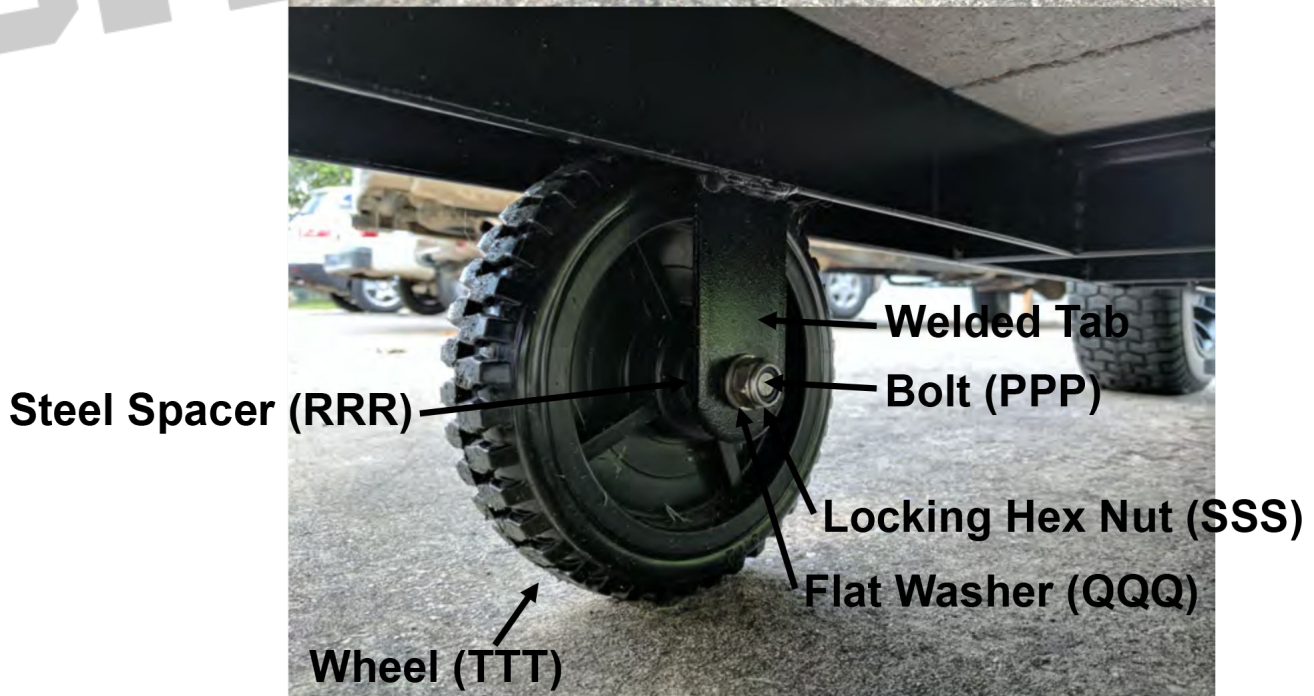
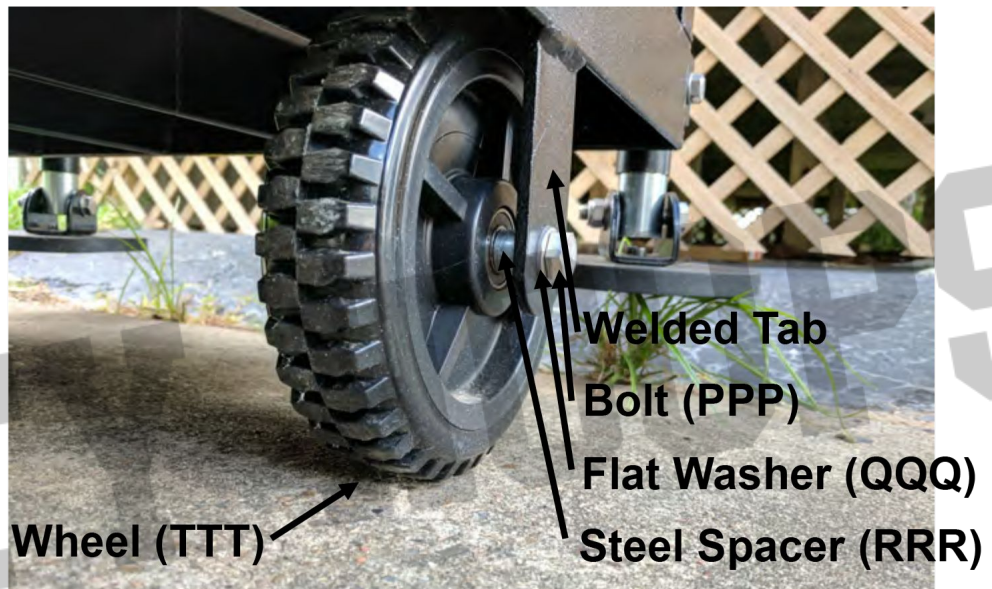


PLACEMENT OF ASSEMBLED TRAVELER



STEP 1 (Wheel & Axle Assembly)

- A. Place 1 flat washer (QQQ) on bolt (PPP).
- B. Insert bolt (PPP) into welded tab then place steel spacer (RRR) on bolt (PPP).
- C. Place wheel (TTT) into place by sliding bolt (PPP) through the center.
- D. Place second steel space (RRR) on bolt (PPP) and continue through the steel tab.
- E. Place flat washer (QQQ) and locking hex nut (SSS) on and tighten.



- F. Slide the axle (LL) through the Sleeve on the base (B)



- G. Place each axle spacer (NN) on each Side of the axle (LL)

- H. Place each turf wheel (L) onto axle (LL)



- H. Screw on the axle hex nut (MM) and Tighten down. Then loosen axle hex nut (MM) to allow wheel to spin freely.

Slide both cotter pins (RR) in and bend over on both sides as shown in the photo.

STEP 2 (Weight Box Assembly)

- A. Attach weight box front (H) and weight box back (G) sides to the base (B) by sliding into place.



- B. Attach weight box sides (I) to the weight box front (H) and weight box back (G) using allen bolts (PP), flat washers (OO) And hex nuts (QQ). Make sure to leave All bolts loose to allow for movement during installation.

- C. Install weight box cover (F) and while all weight box bolts are loose, square the box to the cover lining up the pad lock holes on the cover and the box.

Once everything is lined up, remove weight box cover (F) and tighten all (PP) and (QQ) hardware on the box Making sure it stays aligned.



- D. Using gloves, add 12 solid concrete Blocks to the weight box. 2 across Long ways, 3 deep, 2 layers high.

This will total 12 solid concrete blocks.

Solid Concrete Blocks

Common: 4"x8"x16"

Actual: 3.625" x 7.625" x 15.625"

- E. Install weight divider (K) using hex Bolts (PP).



- F. Using gloves, add 18 more solid concrete blocks to the weight box. 2 across long ways, 3 deep, 2 layers high. This will total 30 concrete blocks and will fill the entire weight box.

- G. Place the weight box cover (F) on the completed weight box and secure on the front and back with the provided weight box locks (N).



NOTE: Once you have loaded all of the 30 blocks, **THE WEIGHT BOX WILL BE COMPLETELY FULL.** If the weight box is not full then you will want to double check you have the correct sized blocks and the correct amount.

STEP 3 (Main Pole Assembly)

- A. Place the main pole (A) on the base (B) in between the turf wheels (L) so that the four holes line up. The 8 slotted welded tabs will be facing towards the court.



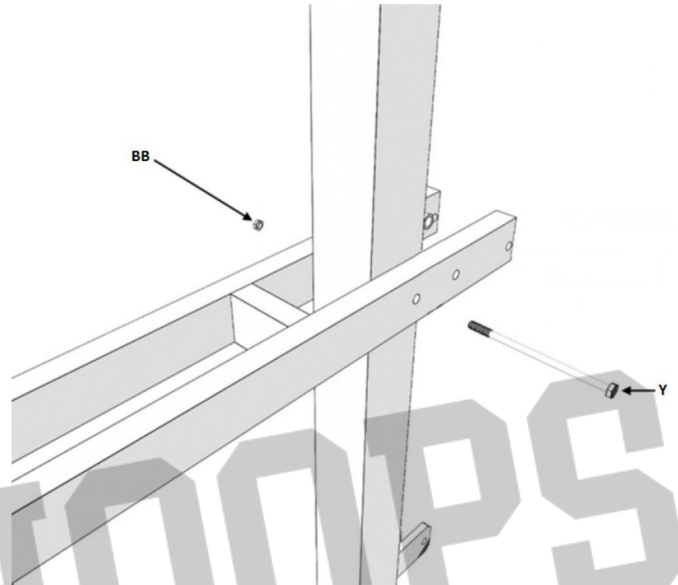
- B. Attach the vertical post (A) using hex bolt (DD), lock washers (FF), flat washers (EE), and lock nut (BB).

- C. Attach the vertical post (A) using hex bolt (DD), lock washers (FF), flat washers (EE), and lock nut (BB).



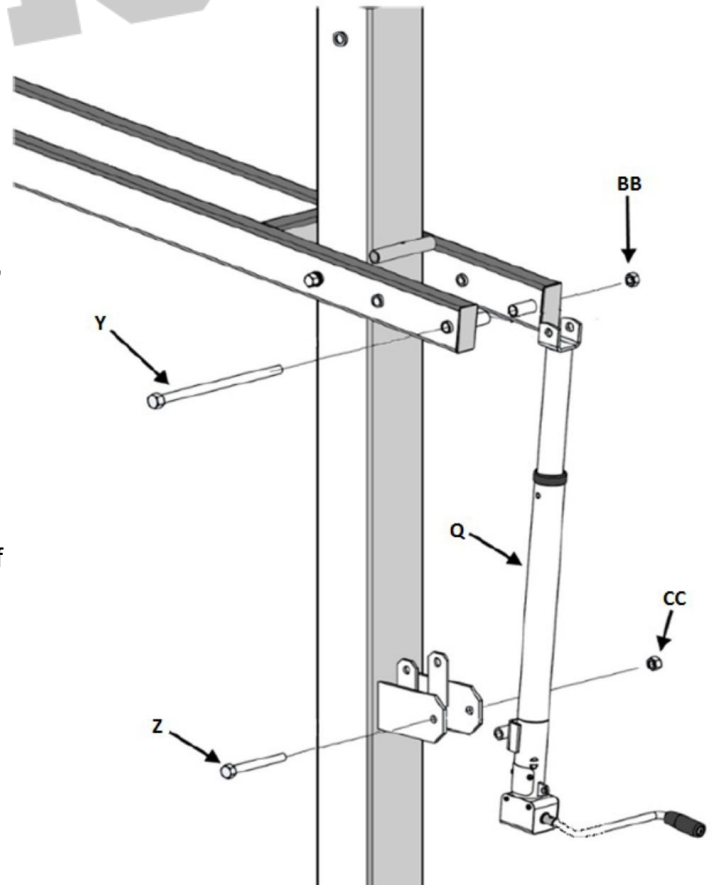
STEP 4 (Main Extension Arm Assembly)

- A. Slide the main extension arm (C) over the Top of the vertical post (A) and attach to the lower pivot tube with a 16mm x 33cm hex bolt (Y) and a 16mm lock nut (BB).
- B. NOTE: Tighten the lock nut down and then back off a ¼ turn to allow the joint to pivot When adjusting the system up and down.



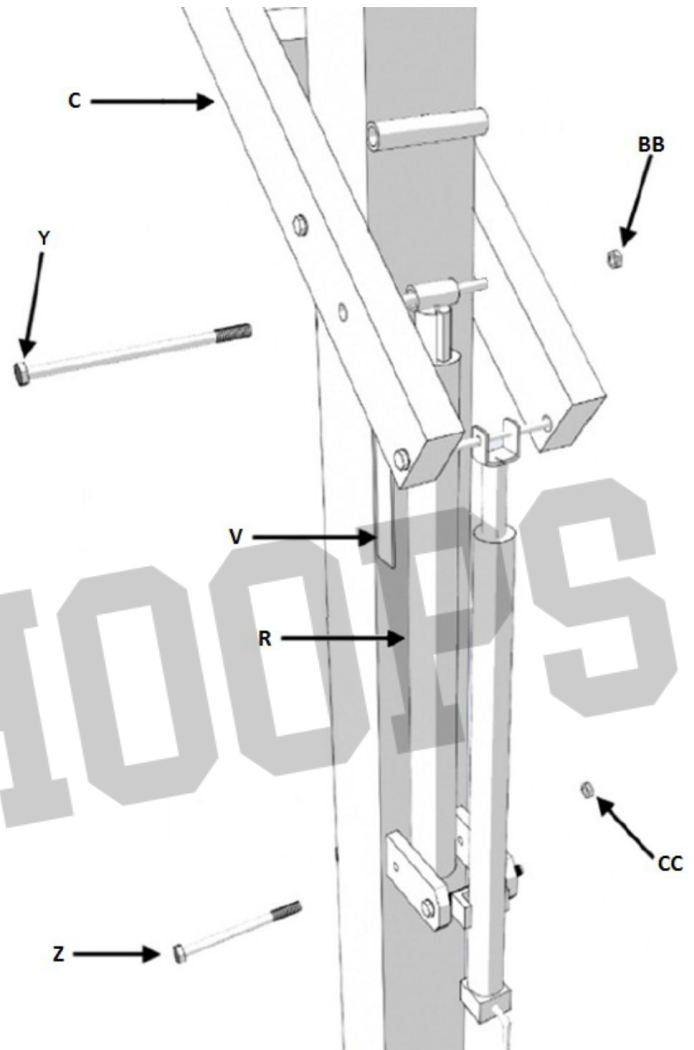
STEP 5 (Actuator Assembly)

- A. After completing the main extension arm assembly, attach the height adjustment actuator(Q) using a 16mm x 33cm hex bolt (Y) at the top and 14mm x 13cm Hex Bolt (Z) at the bottom.
- B. Tighten each with a 16mm lock nut (BB) and 14mm lock nut (CC)
- C. Note: Tighten the lock nuts down and then back off a ¼ turn to allow the joint to pivot when adjusting the system up and down.



STEP 6 (Spring Assist Assembly)

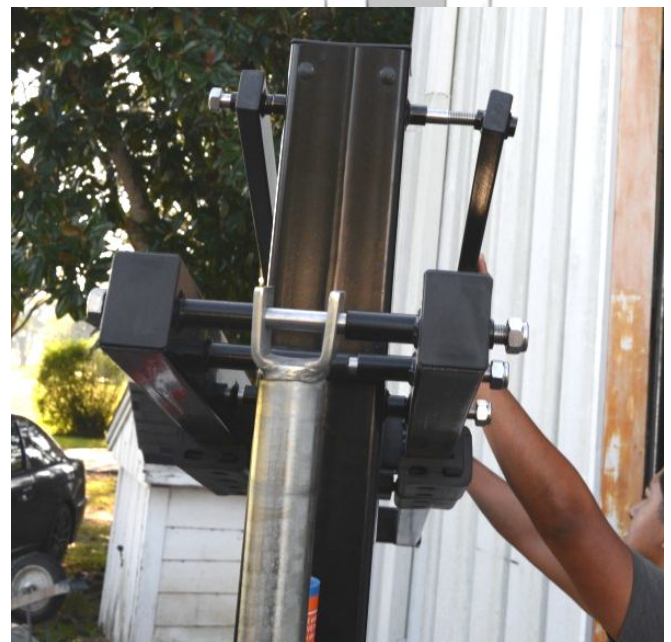
- A. Attach spring-assist cartridge (R) to the main extension arm (C) using a 16mm x 33cm hex Bolt (Y) and 16mm lock nut (BB).
- B. Use the 14mm x 13cm hex bolt (Z) and 14mm lock nut (CC) to attach them to the welded tabs.
- C. You may need to turn or rotate the spring-assist cartridge (E) to line up holes.
- D. **Insert the rim height indicator (V)** which should hang freely along the outside of the spring-assist cartridge (R).
- E. Note: Tighten the lock nuts down and then back off a 1/4 turn to allow the joint to pivot when adjusting the system up and down.
- F. Use the height adjustment handle (Q) to lower the main extension arm. Then remove and discard the plastic spring-assist spacer (Blue or Red spacer) from the spring-assist cartridge (R)



STEP 7 (Upper linkage assembly)

- A. Attach parallel linkages (E) to vertical post (A) with a 16mm x 30cm hex bolt (AA) and a 16mm lock nut (BB).
 - B. Note: It does not matter which end of the parallel link you attach to the vertical post.
- Tighten the lock nut down and then back off a 1/4 turn to allow the joint to pivot when Adjusting the system up and down.

CAUTION: Injury may occur if linkages are allowed to fall off main arm during assembly.



STEP 8 (Backboard Assembly)

CAUTION: Attaching the backboard requires at least four capable adults

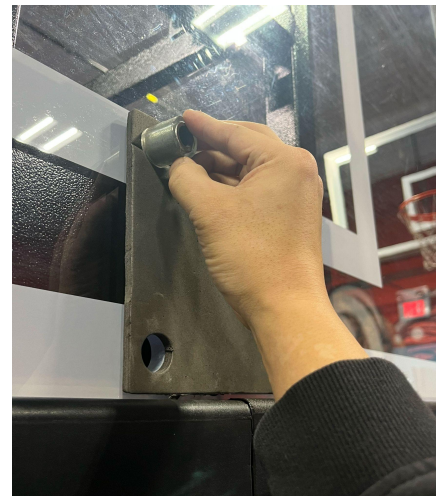
- Mount the H-Frame backboard mount (D) and backboard assembly lower pivot tube first to the main extension arm (C) using one 16mm x 33cm hex bolt (Y) and one 16mm lock nut (BB).
- Next attach the upper H-Frame backboard mount (D) pivot tube to the parallel linkages (E) using one 16mm x 30cm hex bolt (AA) and one 16mm lock nut (BB)
- NOTE: Tighten the lock nuts and then back off a 1/4 turn to allow the joint to pivot when adjusting the system up and down.



STEP 9 (Rim Spacers Assembly)

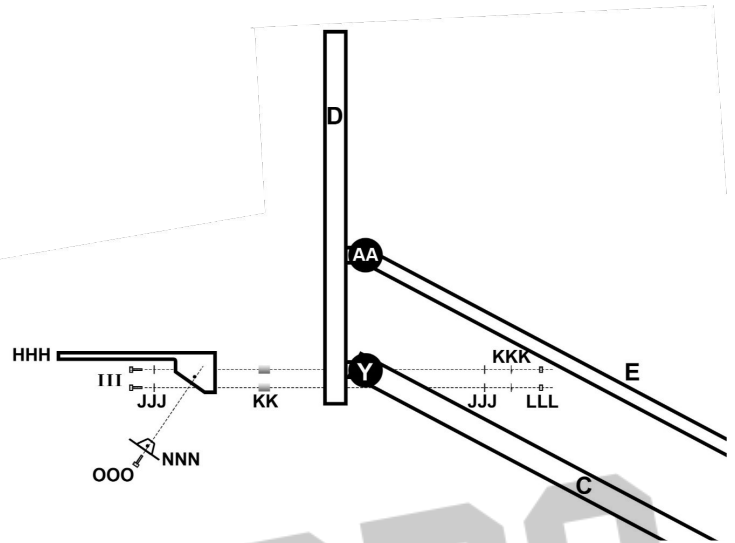
CAUTION: Do not proceed with rim installation without these spacers!

- Prior to installing the rim, locate four plastic and steel spacers (KK)
- Place and align square foam padding over holes.
- Insert the four spacers into four rim holes in the backboard
This is VERY important to prevent backboard breakage.

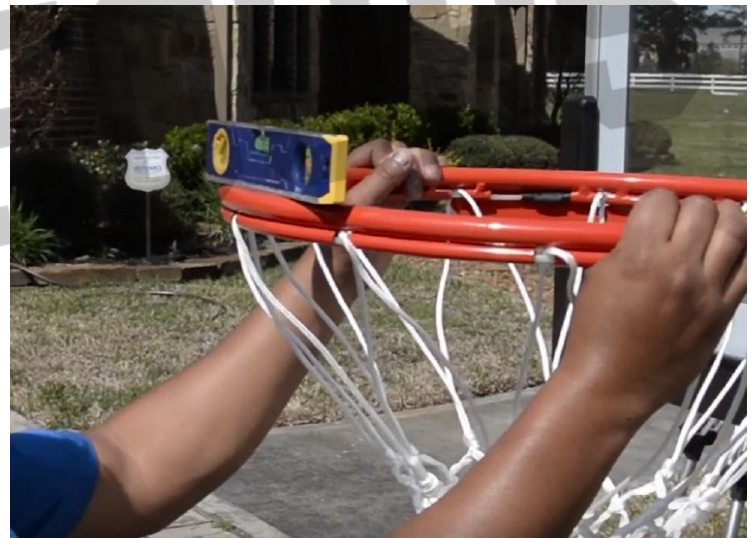


STEP 10 (Rim Assembly)

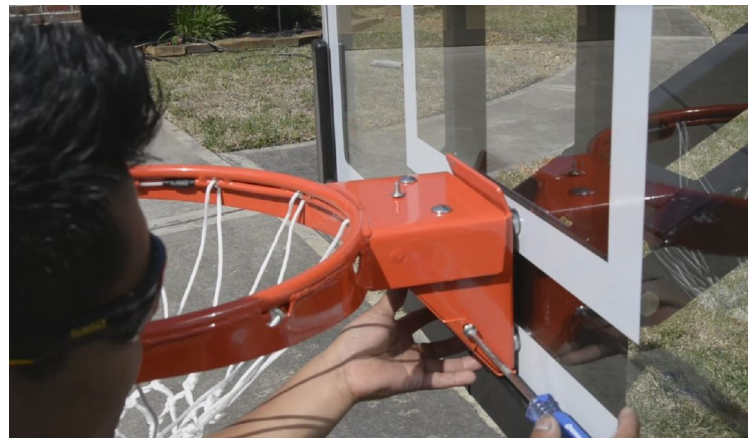
- A. Mount the rim to the H-Frame backboard mount and backboard assembly using the hardware supplied in the rim box.



- B. Use a level to make sure rim is level side to side before tightening nuts.
- C. Optional: If desired, you can level the rim front to back using shim washers placed between the rim spacer (KK) and rim (HHH)



- D. Using (2) rim plate screws (OOO), attach the metal rim plate (NNN) to the rim (HHH). The metal rim plate (NNN) covers the springs in the rim (HHH) as shown.



If not already completed, remove the spring assist space. Cut off the spring assist spacer that is attached to the spring-assist cartridge(s) (R) using a box cutter.

STEP 11 (Leveler Assembly)

- A. Attach both front levelers (FFF) to the base (B) using hex bolts (VV), flat washers (WW), Lock washers (XX), and hex nuts (YY)



- B. Attach both back levelers (GGG) to the base (B) using hex bolts (ZZ), flat washers (AAA), and locking hex nuts (BBB).

- B. Attach all four leveler feet (J) to the bottom of the levelers with hex bolts (CCC), flat washers (DDD), and locking hex nuts (EEE).



STEP 12 (Pole Padding Assembly)

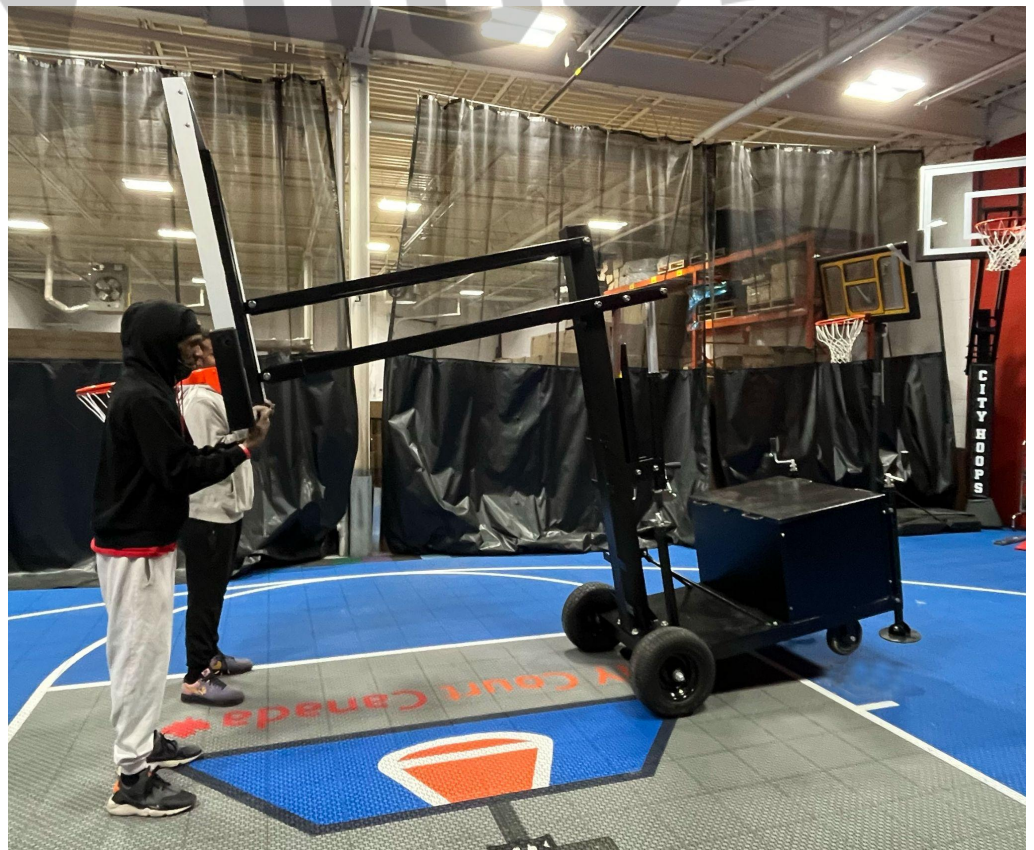
Attach bottom and top pole padding (P) and (O) flat washers (TT), lock washers (UU) and hex bolts (SS).

STEP 13 (Setting Up Your System)

Move the system in the correct location where you would like to calibrate your 10 foot regulation rim height. To do this, remove the first 3 rows of the concrete blocks from your system. **This will reduce the counterweight allowing you to position the system easier.** With the levelers off the ground and the help of 2 adults or 3 depending on terrain, pull down on the bottom of the backboard to lift the back wheels off the ground to pivot.

Proceed to move your traveler to the desired location.

TIP: If the leveler feet do not seem to be adjusting up or down while turning, you can hold the leveler feet with your foot by stepping on it to keep it from spinning.



Using the levelers, raise your City Hoops Traveler so that all four wheels have been relieved of the weight. This will stabilize the system from movement. Ensure your backboard is level front to back and left to right using the levelers. You can now place the 18 blocks removed back into the weight box and place the cover back on & lock.



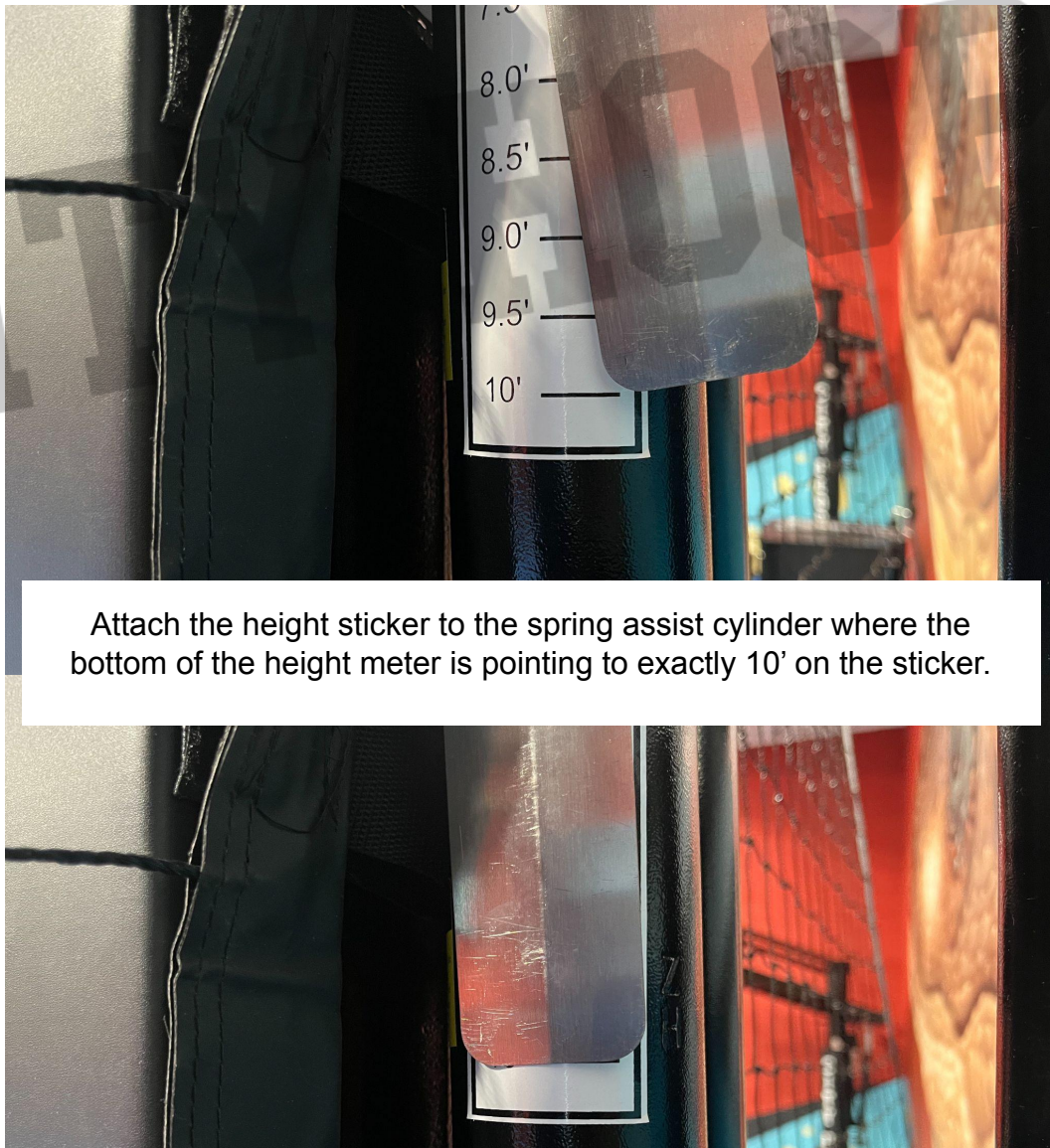
Using the provided ground anchors, anchor your system using the back leveler feet. If you are on grass, dirt, or asphalt, use the ground anchors (W). With asphalt you will need to use a chipping bar to make 2 holes in your asphalt for the ground anchor to go through.



STEP 14 (Rim Height Sticker Assembly)

To apply the Rim Height Sticker (U) to be used with Steel Rim Height Indicator (V) which was installed in Step 6.

- A. First use a tape measure to crank rim up to to exactly 10' from the playing surface. This is measured from the top of the rim to the playing area.
- B. With the rim height at 10', use a pencil to make a mark on the Spring-Assist Cartridge (R) where the bottom of the Rim Height Indicator lands.
- C. Peel and apply sticker to outside of Spring-Assist Cartridge (R) lining up the pencil mark with the 10' mark on the sticker.



STEP 15 (Maintenance)

Like any piece of hardware proper maintenance is required. Several factors such as the environment, organic materials, herbicides, pesticides, excessive use or misuse can eventually cause the basketball system to require maintenance. Failure to do so could result in system failure, property damage, or even personal injury.

1. All organic materials should be kept away from the system at all times. This will alleviate any chance of rust penetrating the powder coated finish and causing structural damage.

Examples: grass clippings, moisture, garbage, dirt, etc.

2. If you see any signs of rust on the system remove the loose paint, sand the area with a medium grit sandpaper and apply outdoor enamel to the affected area.

Suggested Touch-up Paint: Rustoleum Semi-Gloss Black Enamel

3. To clean the backboard use a 100% cotton soft cloth with mild dishwashing liquid for soap and lukewarm water. Rinse backboard with lukewarm water. Wash gently with a 100% Cotton soft cloth, lukewarm water and mild soap. Do not scrub. Rinse backboard with lukewarm water again. Dry with 100% cotton soft cloth. To minimize scratches and minor abrasions to your backboard.
4. Never adjust the rim below 6' 5" or over 10' 4". Adjustments of the goal should be done under adult supervision. When attempting to slam dunk you should always wear a mouth guard to avoid dental injury.
5. If installed in a public area it is suggested to lock the adjustment mechanism. You can purchase a padlock to do this.