



SOCCER CHALLENGE™ KIT

Installation Guide

V1FEB2015



Soccer Challenge™ Kit – Installation Guide

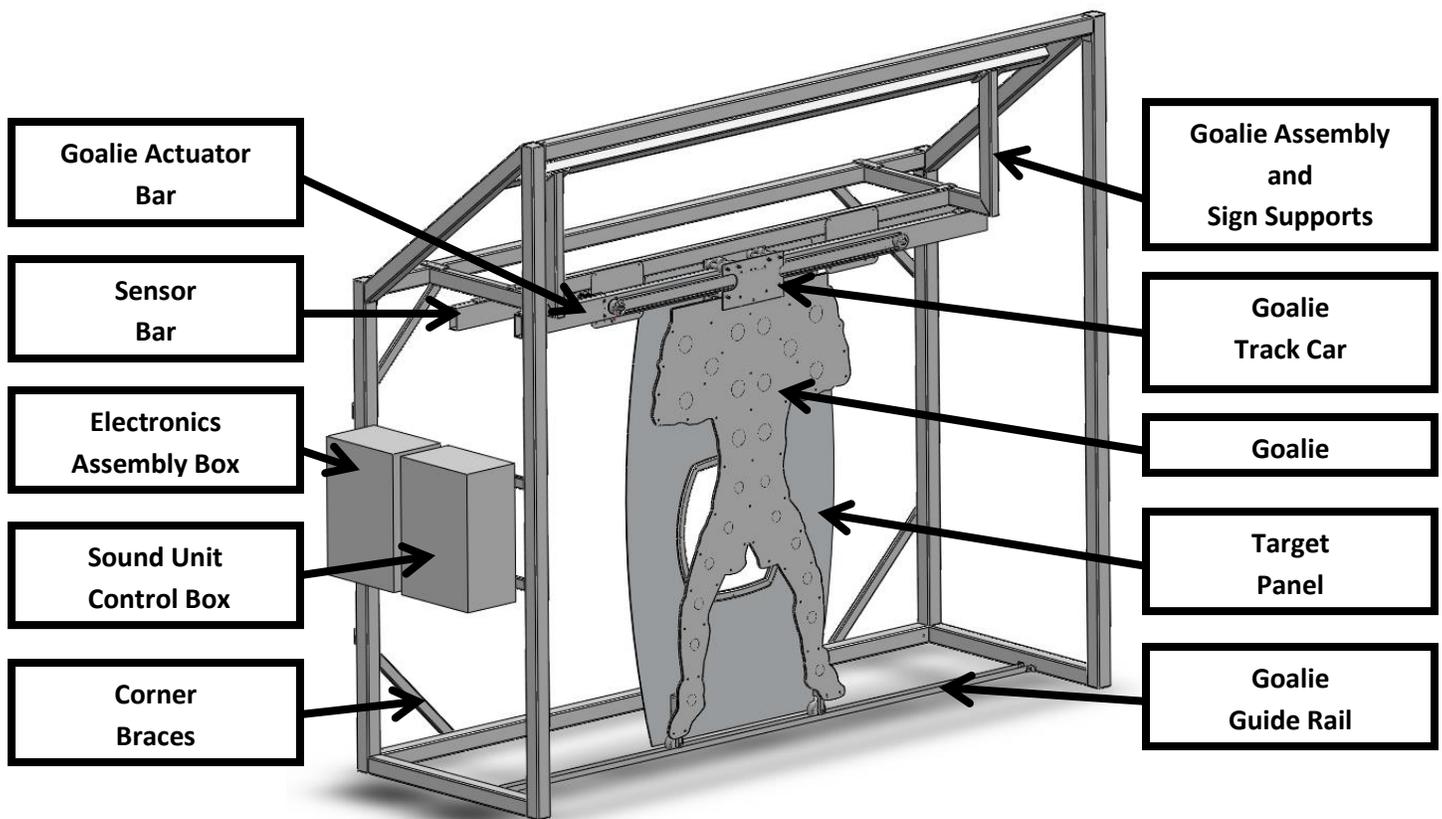
Power Requirements:

- 110V / 8A / 880W

Tools Needed for Installation:

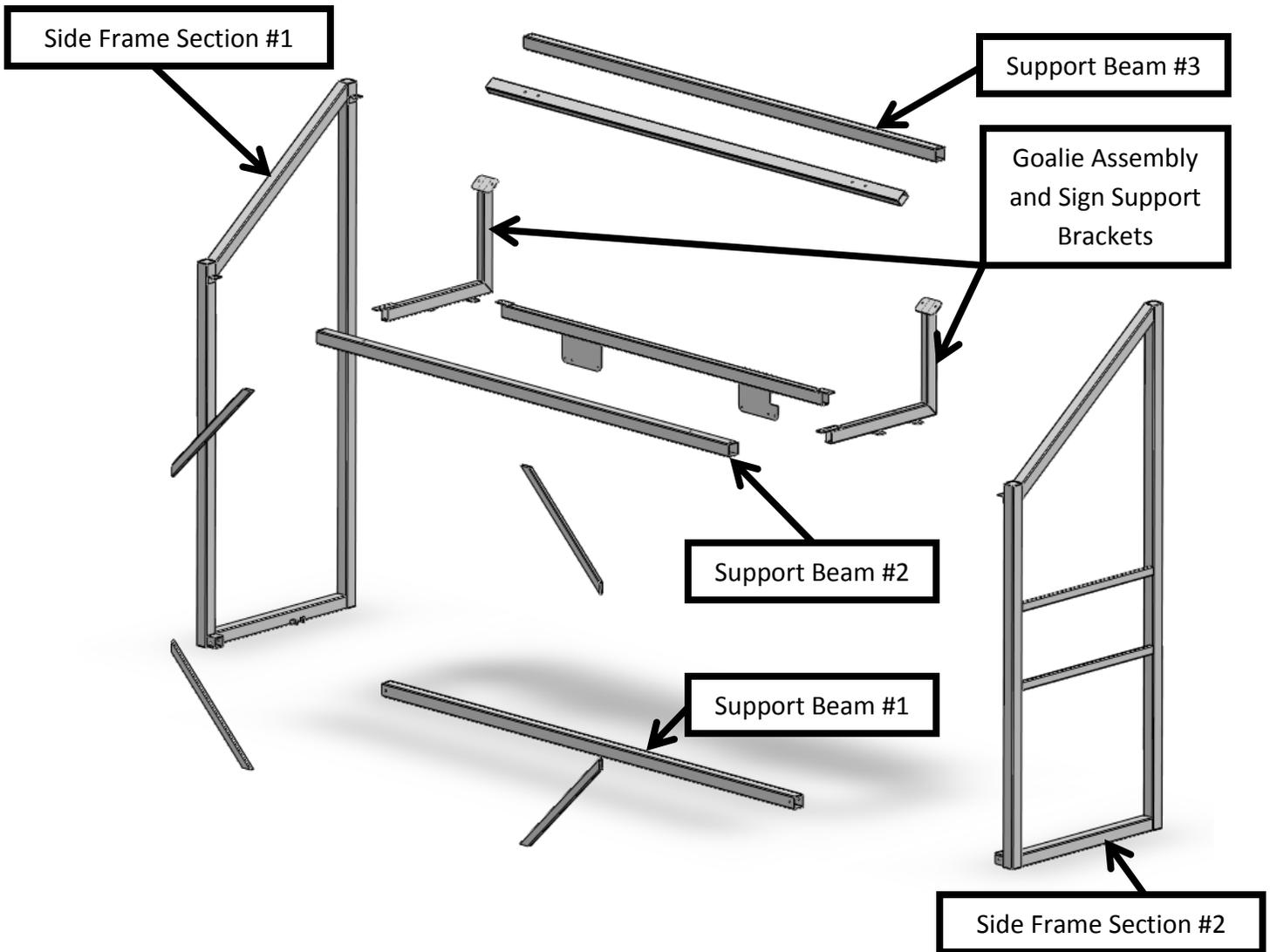
- (2) 8' Ladders
- (2) 3/8" Wrenches
- (2) 7/16" Wrenches
- (2) 1/2" Wrenches
- (2) 9/16" Wrenches
- (1) Wire Cutters

Diagram:



Note: The game is heavy by design, when handling pieces of the game, observing caution is advised during lifting and assembling the pieces to avoid injury to personnel or equipment. It is **HIGHLY RECOMMENDED** that at least a team of four or more people assist in the assembly of the game.

Installation Diagram:



VIEW FROM THE REAR OF THE FRAME

Step 1: Soccer Challenge™ Kit Frame Assembly:

1. All pieces of the frame are numbered at connecting points of the frame using a series of engraved dots. When assembled, the engraved dots should line up next to each other or overlap in some cases. The important thing to remember is that the series of engraved dots on one piece of the frame match the series of dots on the connecting piece.

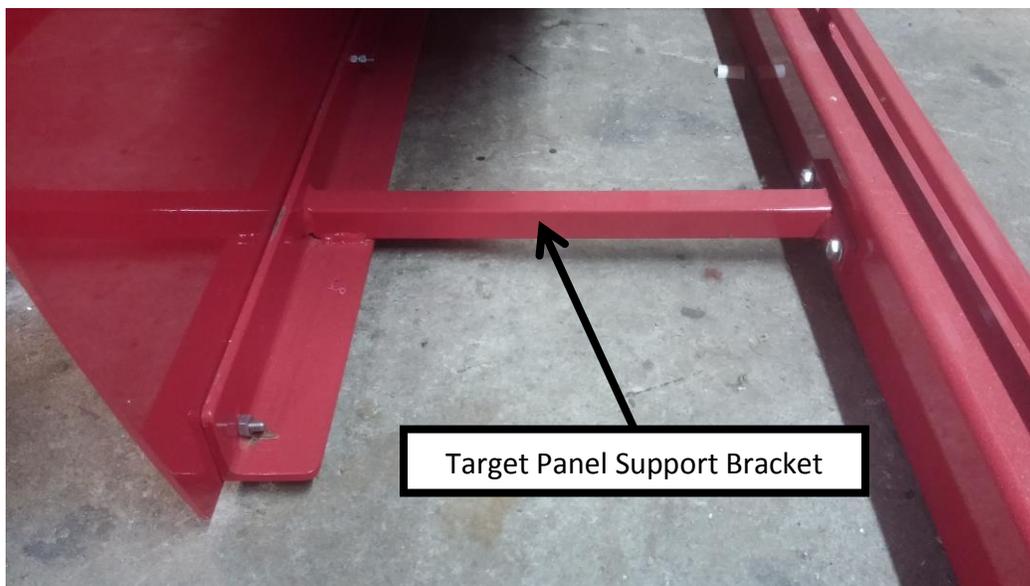
Example:



Step 1: Soccer Challenge™ Kit Frame Assembly (*Continued*):

Installation Tip: We recommend just placing the bolts with washers through the provided through holes and hand tightening the Nylock nuts and not fully tightening any nuts and bolts until most of the frame is assembled. This will make aligning and attaching all other frame pieces much easier.

2. Stand the two side frame sections upright, and attach Support Beam #1, then Support Beam #2, and Support Beam #3 in order.
3. Attach both Goalie Assembly and Sign Support Brackets using provided nuts, washers, and bolts.
4. Attach all Support Brackets using provided nuts, washers, and bolts.
5. Attach the Goalie Actuator Bar and Sensor Bar using provided nuts, washers, and bolts.
6. Attach the Target Panel with the Target Panel support bracket using provided nuts, washers, and bolts.
(As pictured below)



7. Attach the Goalie Guide Rail (As pictured below)

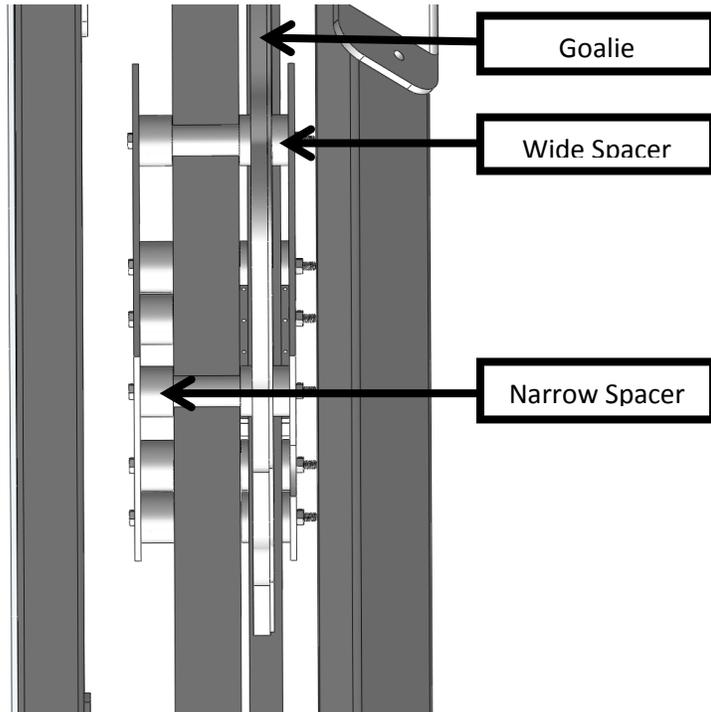


8. Attach the Sign using provided nuts, washers, and bolts.
9. Level the game and tighten all nuts and bolts.

Step 1: Soccer Challenge™ Kit Frame Assembly (Continued):

10. Attach the Goalie

- a. Attach the Goalie to the Goalie Track Car located on the Goalie Actuator Bar.
- b. Using the provided spacers (one wide set and one narrow set), while using the picture and diagram below as a guide, place the bolt through the aluminum Goalie Track Car, then wide spacer, then Goalie, then narrow spacer, and finally the back panel of the Goalie Track Car.



11. Attach the Electronics Assembly Box and Sound Unit Box by sliding the support brackets attached to the backside of the boxes and line up the through holes and fasten to frame with bolts.



12. Attach the Game Clock Display Box from Support Beam #3 using provided nuts, washers, and bolts.

Step 2: Soccer Challenge™ Kit Electrical and Electronic Assembly:

Installation Tip: The Soccer Challenge™ Kit was designed so that all electrical and electronic plugs can only be plugged into a designated and labeled plug by a dedicated male to female plug connection for easy installation.

1. Connect all wire harnesses located on the bottom of the Electronics Assembly Box and Sound Unit Control Box. Dress and hide all wire harnesses utilizing provided clamps and plastic clips.



Input Plugs located on the bottom of the Electronics Assembly Box:

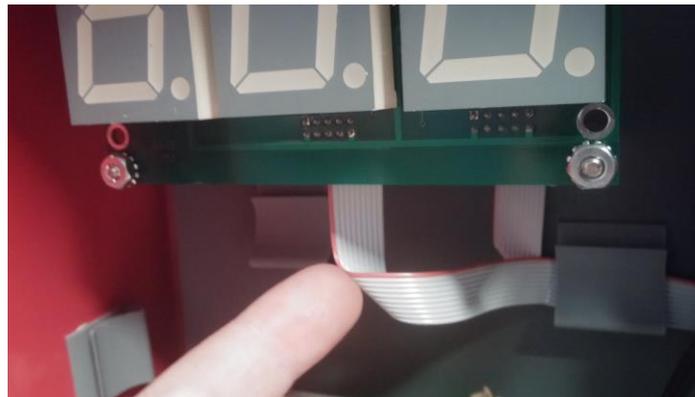
1. Home Reverse Plug
2. Pushbutton Station Plug
3. Sensors Plug



Input Plugs located on the bottom of the Sound Unit Control Box:

1. Speaker Wire Plug
2. DC Voltage Plug

2. Connect the Game Clock Display:
 - a. Run and dress ribbon cable using attached plastic clips from the Game Clock Display to the Electronic Assembly Box and connect it behind the Digital Display as pictured below:

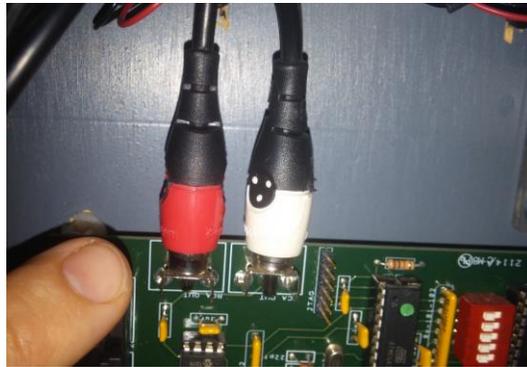


Step 2: Soccer Challenge™ Kit Electrical and Electronic Assembly (Continued):

3. Mount the speakers:
 - a. Mount the speakers as pictured.
 - b. Run and dress the speaker wires using clamps from the speakers to the amplifier located inside the Sound Unit Control Box.



4. Run the RCA cables from front of the Amplifier Tape Input Port inside the Sound Unit Control Box and connect to the 2500 Board located inside the Electronics Assembly Box as pictured.



5. Mount the lights, electrical junction lights, and conduit attached to the lights to the game using provided clamps and screws across the top of the Support Beam #3 and down the Side Frame Section #2. The plug for the lights will plug into to electrical receptacle inside the Sound Unit Control Box.
6. Mount the Kicker and anchor the Kicker's base to prevent it from moving or shifting. The Kicker will be mounted at the customer's discretion utilizing available space. Connect the wiring harness from the Electronics Assembly Box and park or location provided compressor air line.
7. Enable power and turn on power at the power switch located inside the Sound Unit Control Box.