

We strive to ensure that our products are of the highest quality and free of manufacturing defects or missing parts. However, if you have any problems with your new product,

DO NOT RETURN IT TO THE STORE,

please contact us toll free @:

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Mailing Address: (Correspondence Only)

Escalade Sports PO Box 889 Evansville, Indiana 47706-0889 **Physical Location:**

Escalade Sports 817 Maxwell Ave. Evansville, Indiana 47711

Please visit our Web site at:

www.escaladesports.com	1
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Please have your model number when inquiring about parts.

When contacting Escalade Sports please provide your model number, date code (if applicable) and part number if requesting a replacement part. These numbers are located on the product, packaging, and this owners manual.

Your Model Nur	nber	<u> AL410</u>	U
Date Code2	- AL410	0	- HL
Purchase Date			

PLEASE RETAIN THIS INSTRUCTION MANUAL FOR FUTURE REFERENCE

IMPORTANT! READ EACH STEP IN THIS MANUAL BEFORE YOU BEGIN THE ASSEMBLY.



TWO ADULTS ARE REQUIRED TO ASSEMBLE THIS 9' ARCADE SPEEDBALL

Featuring Electronic Scoring and LED Lighting

Tools Required:

Allen Wrench (Included)
Furniture Polish and Soft Cotton Cloth

Assembly Note: During assembly, correct orientation of all parts is critical for correct assembly. Please study all diagrams closely.

An electric screwdriver is helpful in assembly. However, please set at low torque and use extreme caution with an electric screwdriver because you could overtighten the hardware and strip the screws.

Assembly Tips

Make sure you understand the following tips before you begin to assemble your game table.

- 1. Start all bolts by hand before tightening.
- 2. Some drawings or images in this manual may not look exactly like your product. Please read and understand the text before starting each assembly step.

AATTENTION:

READ AND FOLLOW ALL ASSEMBLY, OPERATION, AND SAFETY INSTRUCTIONS CAREFULLY. AT LEAST TWO CAPABLE ADULTS ARE REQUIRED TO ASSEMBLE THIS GAME TABLE.

DO NOT STAND OR SIT ON THIS PRODUCT

AND OR PLAYFIELD .

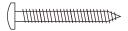
A CAUTION:

To play this game and achieve a high skill level requires a soft and gentle toss of the Ball . Over tossing or over throwing the ball could result in serious damage to the product . Please play safe .

HARDWARE IDENTIFIER (To Scale)



H1 - 3.5 mm x 18 mm Phillips Round Head Screw (24 pcs)



H2 - 3.5 mm x 28 mm Phillips Round Head Screw (28 pcs)



H3 - 3.5 mm x 12 mm Phillips Round Head Screw (98 pcs)



H4 - 6 mm x 25 mm Allen Head Bolt (16 pcs)



H5 - 6.5 mm x 18 mm Flat Washer (16 pcs)



H6 - M6 Lock Washer (16 pcs)

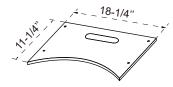


H7 - 3.5 mm x 14 mm Phillips Round Head Screw (12 pcs)

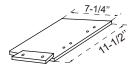


T1 - M6 Allen Wrench (1 pc)

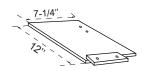
PARTS IDENTIFIER (Not to Scale)



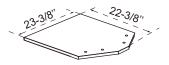
P1 - Front Leg Apron (1 pc)



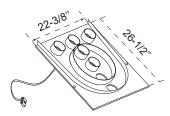
P2 - Left Front Leg (assembles with P17) (1 pc)



P3 - Right Front Leg (assembles with P18) (1 pc)



P4 - Ball Stop Bottom Board (1 pc)



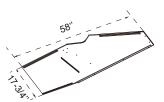
P5 - Target Board with Scoring Sensors (1 pc)



P6- Top Rail Plastic Corner Cap (2 pcs)



P7 - Right Back Cabinet Leg (1 pc)



P8 - Left Back Cabinet Leg (1 pc)



P9 - Backboard with Graphic (1 pc)



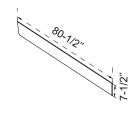
P10 - Top Cabinet Panel for Scorer with LED Light Strip (1 pc)



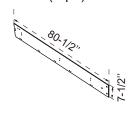
P11 - Upper Back Cabinet Board (1 pc)



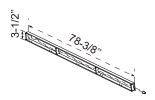
P12 - Lower Back Cabinet Board (1 pc)



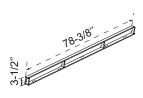
P13 - Left Side Apron (1 pc)



P14 - Right Side Apron (1 pc)



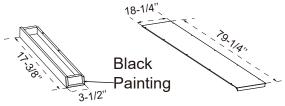
(With ON/OFF switch+ wiring)
P15 - Left Top Rail with
Control Switch and Wiring
(1 pc)



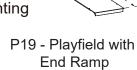
P16 - Right Top Rail (1 pc)



P17 - Left Leg (assembles with P2) (1 pc)



P18 - Right Leg (assembles with P3) (1 pc)



(1 pc)

P20 - Wooden S

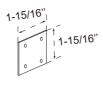
P20 - Wooden Support Brace (packed in carton with hardware kit, balls, etc) (1 pc)



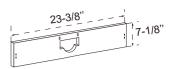
P21 - Connecting Board (2 pcs)



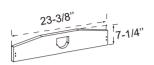
P22 - Goal Box Bottom Board (1 pcs)



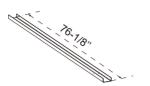
P23 - Metal Connection Plate (16 pcs)



P24 - Middle Support Board (2 pcs)



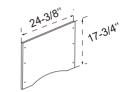
P25 - End Support Board (1 pc)



P26 - Plastic Ball Return (1 pc)



P27 - Clear Plexiglass with Protective Coating on Both Sides (1 pc)



P28 - Lower Front Cabinet Board (1 pc)



P29 - Electronic Scorer (1 pc)



P30 - Black Plastic "L" Bracket (packed in carton with hardware kit, balls, etc) (6 pcs)



P31 - Left Plastic Trim Strip (1 pc)



P32 - Right Plastic Trim Strip (1 pc)



P33 - Plastic Connector (Playfield to Front Leg) (1 pc)

ACCESSORIES IDENTIFIER (Not to Scale)



A1 - A/C Adapter (1 pc)



A2 - Ball (4 pcs)

1pc - P13 Left Side Apron10pcs - P23 Metal Connection Plate1pc - P14 Right Side Apron40pcs - H3 Phillips Round head Screw

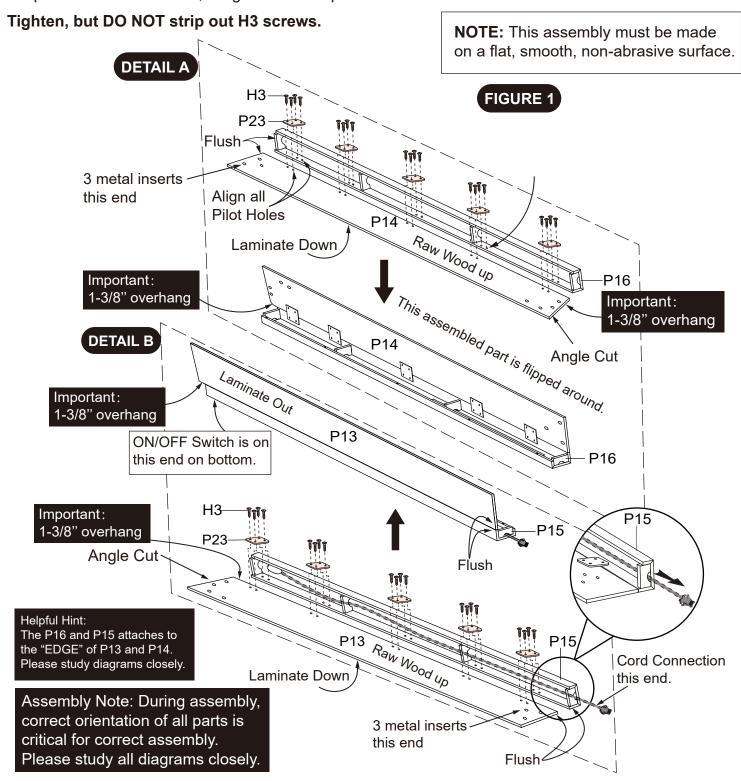
1pc - P15 Left Top Rail with Control Switch

1pc - P16 Right Top Rail

STEP 1

Attach the **P14** Right Side Apron onto the **P16** Right Top Rail using the **P23** Metal Connection Plates and the pilot holes on the **P14/P16**, using the **H3** Phillips Round Head Screws as shown in **DETAIL A**.

Attach the P13 Left Side Apron onto the P15 Left Top Rail using the P23 Metal Connection Plates and the pilot holes on P13/P15, using the H3 Phillips Round Head Screws as shown in **DETAIL B**.



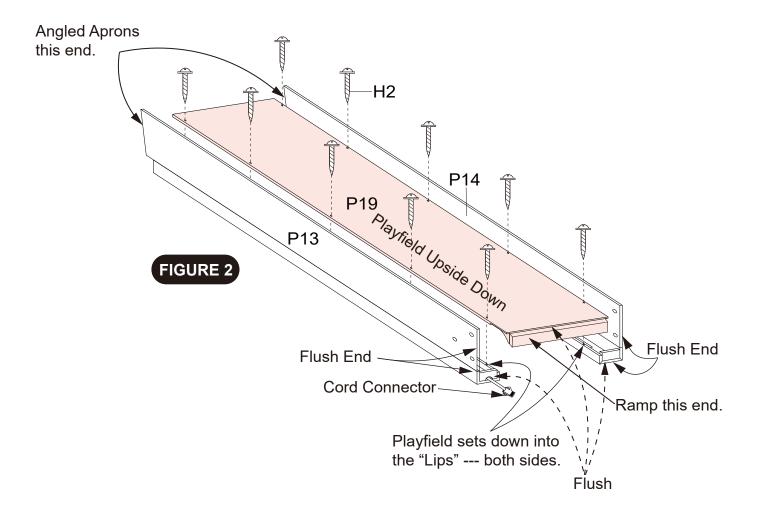
1pc - P19 Playfield with End Ramp

10pcs - H2 Phillips Round Head Screw

STEP 2

Attach the **P19** Playfield onto the **STEP 1** Assemblies using the pilot holes and the **H2** Philips Round Screws as shown in **FIGURE 2**.

Tighten, but DO NOT strip out H2 screws.



Assembly Note:

During assembly, correct orientation of all parts is critical for correct assembly. Please study all diagrams closely.

Place all 10 pcs of H2 Screws into pilot holes by hand as that will correctly orientate the playfield with each side apron assembly.

1pc - P1 End Apron

1pc - P2 Left Front Leg

1pc - P3 Right Front Leg

1pc - P17 Left Leg

1pc - P18 Right Leg

4pcs - **H2** Phillips Round Head Screw

20pcs - H3 Phillips Round Head Screw

6pcs - **P23** Metal Connection Plate

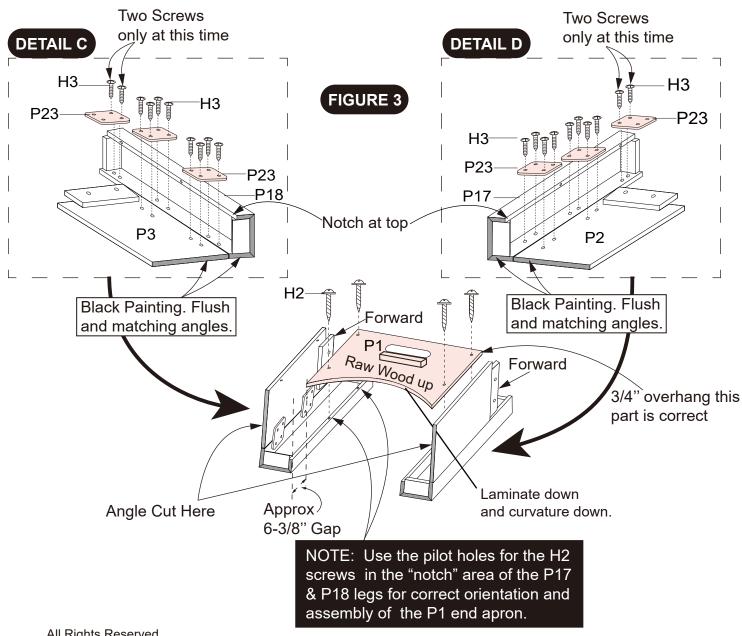
STEP 3

Attach the **P3** Right Front Leg onto the **P18** Right Leg using the **P23** Metal Connection Plates, the pilot holes and the **H3** Phillips Round Head Screws as shown in **DETAIL C**.

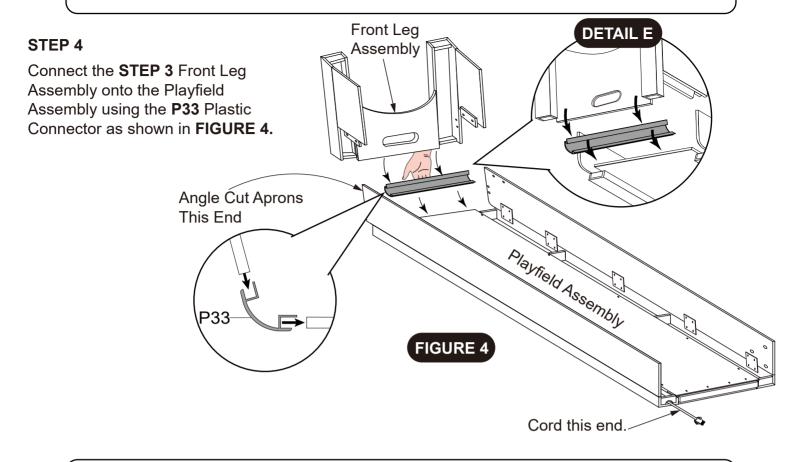
Attach the **P2** Left Front Leg onto the **P17** Left Leg using the **P23** Metal Connection Plates, the pilot holes and the **H3** Phillips Round Head Screws as shown in **DETAIL D**.

Attach the **DETAIL C / D** Assemblies onto the **P1** End Apron using the pilot holes and the **H2** Phillips Round Head Screws as shown in **FIGURE 3**.

Tighten, but DO NOT strip out H2,H3 screws.



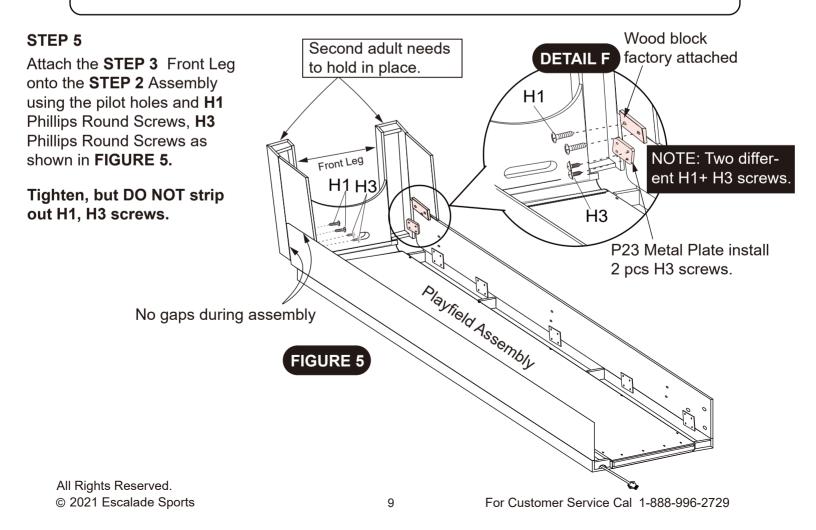
1pc - P33 Plastic Connector (Playfield to Front Leg)



PARTS REQUIRED

4pcs - H1 Phillips Round Head Screw

4pcs - H3 Phillips Round Head Screw



2pcs - **P24** Middle Support Board

1pc - P25 End Support Board

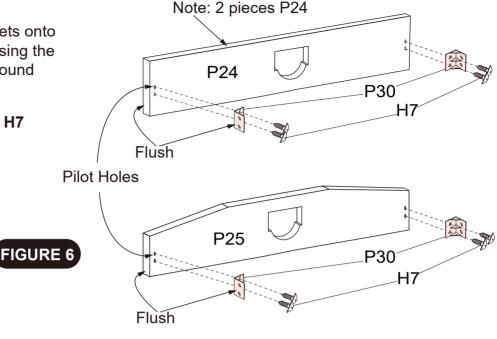
6pcs - P30 Black Plastic "L" Bracket

12pcs -H7 Phillips Round Head Screw

STEP 6

Attach the **P30** Plastic "L" Brackets onto the **P24 / P25** Support Boards using the pilot holes and the **H7** Phillips Round Screws as shown in **FIGURE 6**.

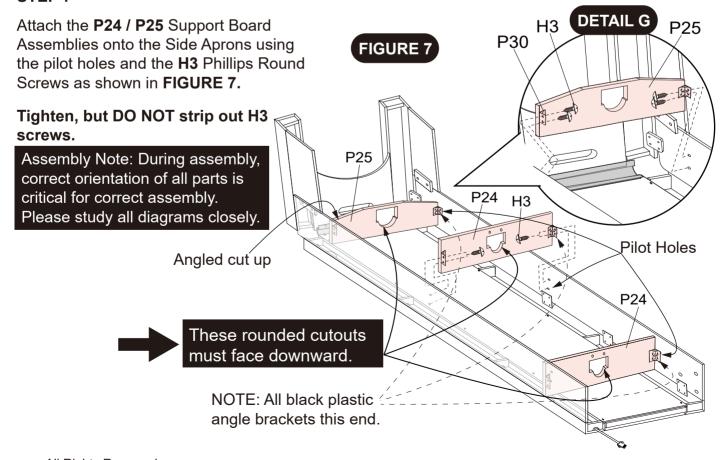
Tighten, but DO NOT strip out H7 screws.



PARTS REQUIRED

12pcs - H3 Phillips Round Head Screw

STEP 7



2pcs - P21 Connecting Board

6pcs - **H4** Allen Head Bolt

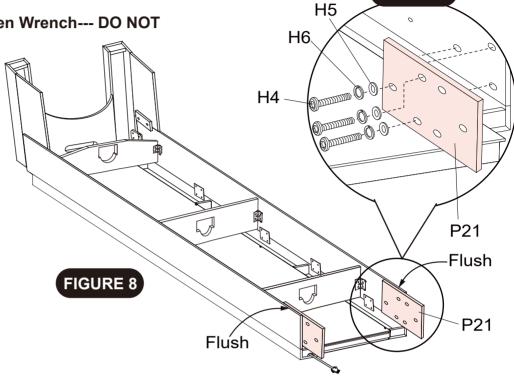
6pcs - **H5** Flat Washer 6pcs - **H6** Lock Washer

DETAIL H

STEP 8

Attach the **P21** Connecting Boards onto the inside of the Side Aprons using the **H4** Allen Head Bolts, **H5** Flat Washers, **H6** Lock Washers as shown in **DETAIL H.**

Tighten H4 bolts using T1 Allen Wrench--- DO NOT overtighten.



PARTS REQUIRED

1pc - **P20** Wooden Support Brace

2pcs - H3 Phillips Round Head Screw

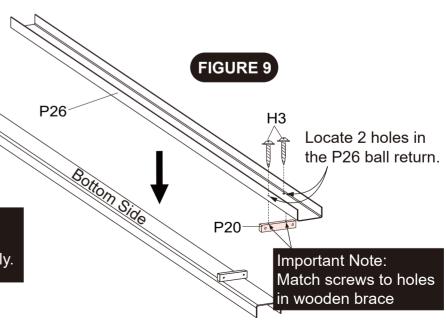
1pc - P26 Plastic Ball Return

STEP 9

Attach the **P20** Wooden Support Brace onto the **P26** Plastic Ball Return using the **H3** Philips Round Screws as shown in **FIGURE 9**.

Tighten, but DO NOT strip out H3 screws.

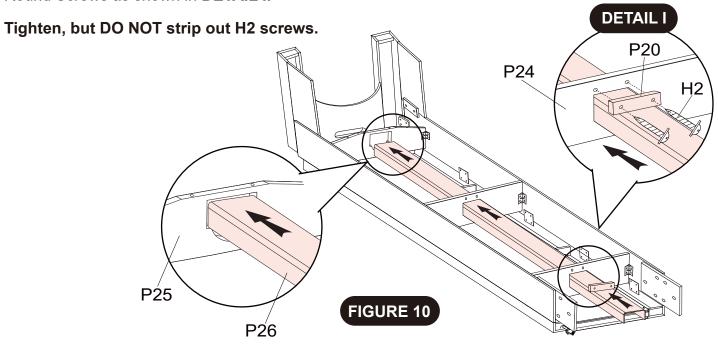
Assembly Note: During assembly, correct orientation of all parts is critical for correct assembly. Please study all diagrams closely.



2pcs - H2 Phillips Round Head Screw

STEP 10

Install and attach the **P26** Plastic Ball Return onto the **P24/25** Support Boards using the **H2** Philips Round Screws as shown in **DETAIL I.**



PARTS REQUIRED

1pc - P22 Goal Box Bottom Board

4pcs - H2 Phillips Round Head Screw

NOTE: NEED 2 ADULTS FOR ASSEMBLY

STEP 11

Attach the P22 Goal Box Bottom Board onto the P25 End Support Board using the H2 Philips
Round Screws as shown in DETAIL J.

Put P22 under this block

P22

Black laminate face down

P25

FIGURE 11

1pc - **P7** Right Back Leg 1pc - **P8** Left Back Leg

1pc - **P28** Back Board - D

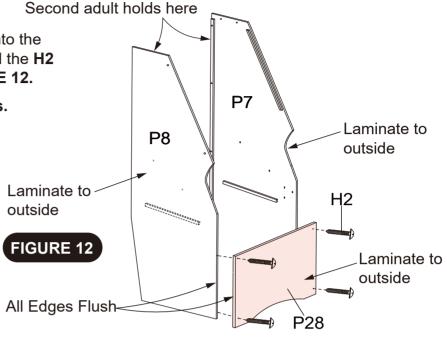
4pcs - H2 Phillips Round Head Screw

NOTE: NEED 2 ADULTS FOR ASSEMBLY

STEP 12

Attach the **P28** Lower Front Cabinet Board onto the **P7** / **P8** Back Legs using the pilot holes and the **H2** Phillips Round Screws as shown in **FIGURE 12**.

Tighten, but DO NOT strip out H2 screws.



PARTS REQUIRED

6pcs - **H4** Allen Head Bolt

6pcs - **H5** Flat Washer

6pcs - **H6** Lock Washer

NOTE: NEED 2 ADULTS FOR ASSEMBLY

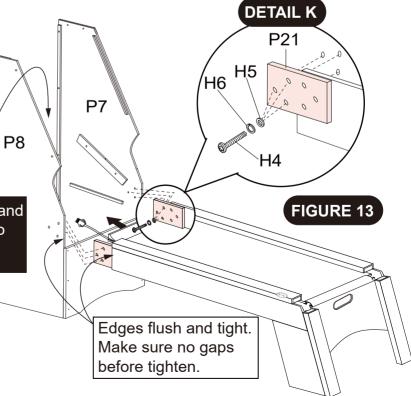
STEP 13

Attach the **STEP 12** Assembly onto the **STEP 11** Assembly using the **H4** Allen Head Bolts, **H5** Flat Washers, **H6** Lock Washers as shown in **FIGURE 13**.

Tighten all H4 Bolts using the T1 Allen Wrench--- DO NOT overtigten.

Carefully stand between the P7 and P8 Left and Right Cabinet legs to install and tighten the H4 bolts.

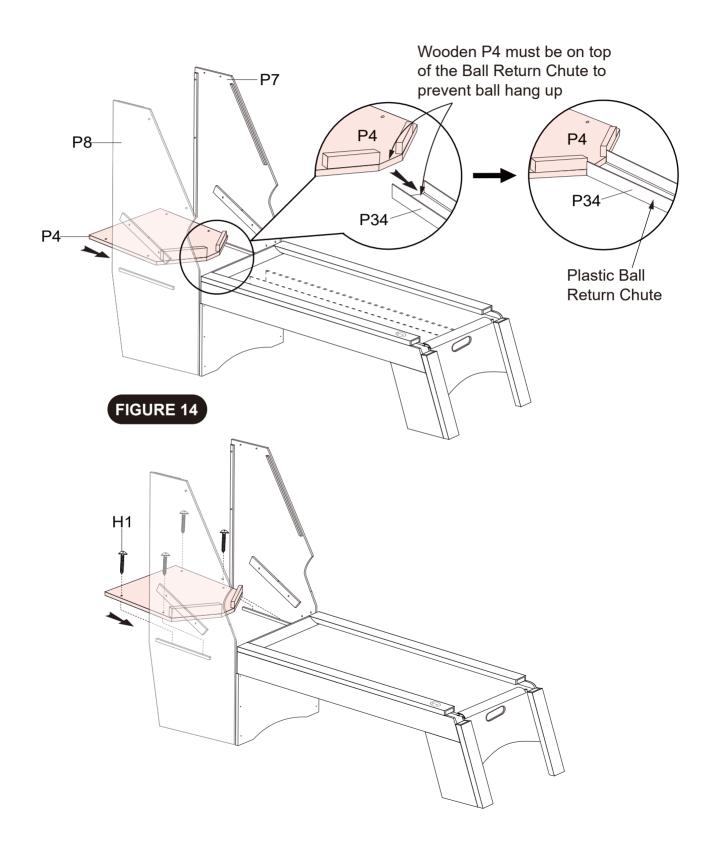
NOTE: If H4 Bolts are difficult to start, see STEP 8, loosen those H4 Bolts, move the P21 slightly, start the bolts and tighten all bolts.



STEP 14

Attach the **P4** Ball Stop Bottom Board onto the **P7** / **P8** Back Legs using pilot holes and the **H1** Phillips Round Screws as shown in **FIGURE 14**.

Tighten, but DO NOT strip out H1 screws.



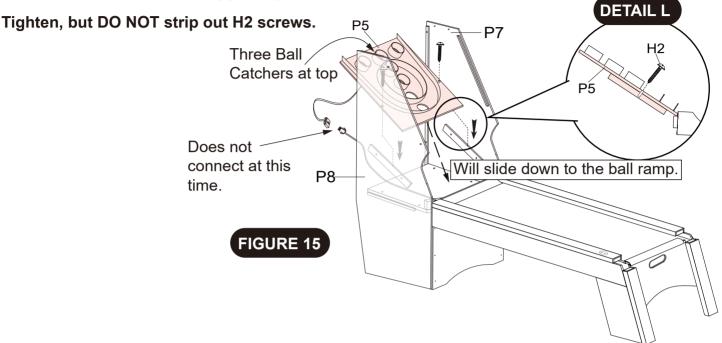
1pc - P5 Target Board with Scoring Sensors

2pcs - H2 Phillips Round Head Screw

NOTE: Need second adult to hold the P7+P8 inward to prevent gaps between P7, P8 and P5.

STEP 15

Attach the **P5** Target Board onto the **P7 / P8** Back Legs using the pilot holes and the **H2** Phillips Round Screws as shown in **FIGURE 15**.



PARTS REQUIRED

15

1pc - P10 Top Cabinet Panel for Scorer

2pcs - H1 Phillips Round Head Screw

FIGURE 16

front beveled side of P10

front side of P29

1pc - P29 Electronic Scorer

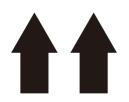
STEP 16

Place the wires of the **P29** Electronic Scorer through the hole in the **P10** Top Cabinet Panel.

Attach the **P29** Electronic Scorer onto the **P10** Top Cabinet Panel using pilot holes and the **H1** Phillips Round Screws as shown in **FIGURE 16**.

Tighten, but DO NOT strip out H1 screws.

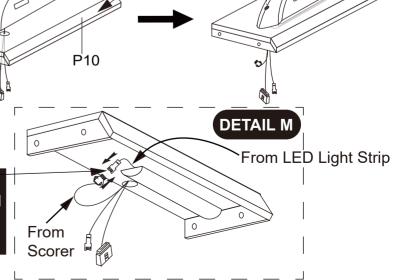
Connect Male to female plugs as shown in **DETAIL M.**



NOTE:

Connectors must be turned correctly in order for them to properly connect.

P29



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1pc - P9 Backboard with Graphic4pcs - H1 Phillips Round Head Screw

4pcs - **H4** Allen Head Bolt 4pcs - **H5** Flat Washer 4pcs - **H6** Lock Washer

STEP 17

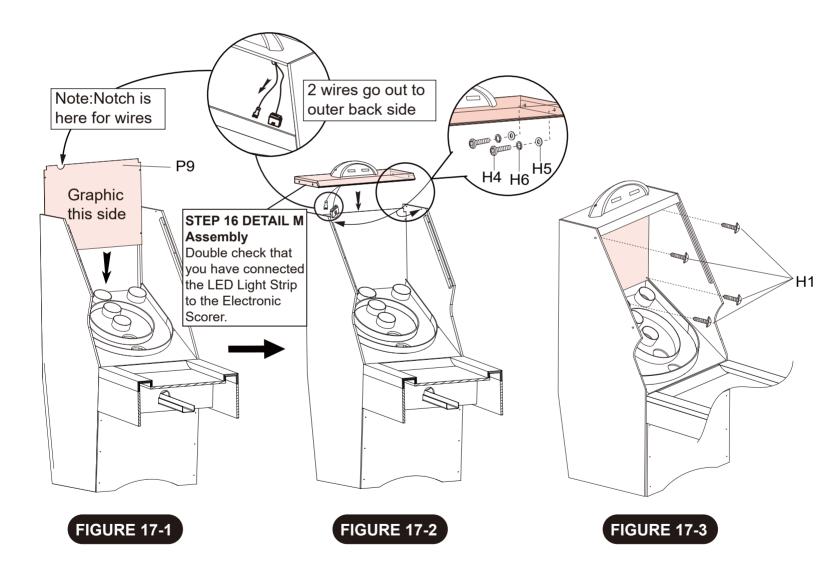
Place the P9 Backboard with Graphic onto the P7 / P8 Back Legs as shown in FIGURE 17-1.

Attach the **STEP 16** Assembly onto the **P7 / P8** Back Legs using the **H4** Allen Head Bolts, **H5** Flat Washers, **H6** Lock Washers as shown in **FIGURE 17-2**.

Tighten the H4 Bolts using the T1 Allen Wrench--- DO NOT overtigten.

Attach the **P9** Backboard with Graphic onto the **P7** / **P8** Back Legs using the pilot holes and the **H1** Phillips Round Screws as shown in **FIGURE 17-3**.

Tighten, but DO NOT strip out H1 screws.



1pc - **P27** Clear Plexiglass

6pcs - H3 Phillips Round Head Screw

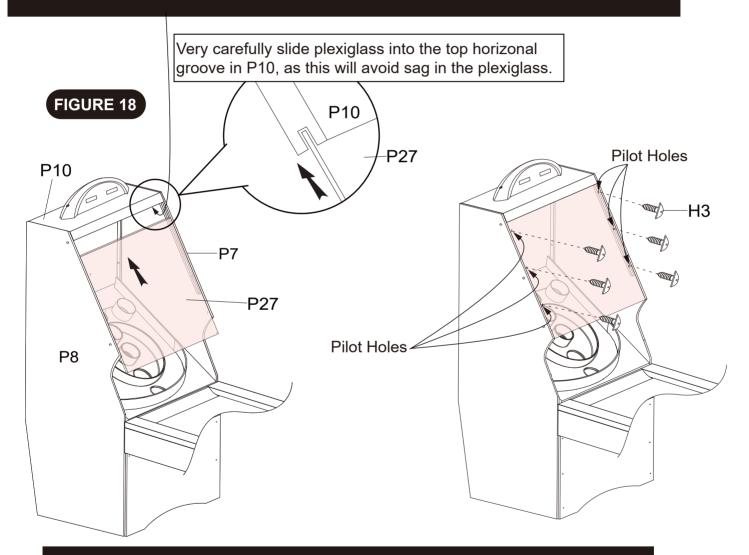
STEP 18

Install the **P27** Clear Plexiglass onto the **P7** / **P8** Back Legs and attach onto the **P10** Top Cabinet Panel using pilot holes and the **H3** Phillips Round Screws as shown in **FIGURE 18**.

Tighten, but DO NOT overtighten H3 Screws as this could crack the plexiglass.

NOTE:

The groove for the top of the P27 plexiglass is in the lower front side of the P10 top cabinet panel . If the plexiglass will not easily slip into this groove , it will be necessary to loosen the 4 pcs H4 bolts that hold the P10 top cabinet panel and carefully tap or push it forward thus moving the groove forward just enough to allow the P27 plexiglass to slip into the groove .



NOTE:

Carefully remove protective covering from the plexiglass before installation, avoid finger prints on the plexiglass by wearing cotton gloves.

Using the pointed end of a knife or awl, very carefully "prick" the protective coating on the plexiglass. Pinch the raised area and remove the protective covering.

1pc - P12 Lower Back Cabinet Board

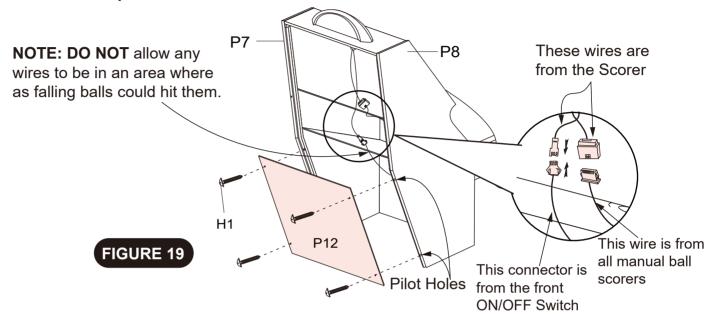
4pcs - H1 Phillips Round Head Screw

STEP 19

Attach the **P12** Lower Back Cabinet Board onto the **P7** / **P8** Back Legs using pilot holes and the **H1** Phillips Round Screws as shown in **FIGURE 19**.

NOTE: All male/ female connectors must be turned correctly in order to plug into each other.

Tighten, but DO NOT strip out H1 Screws.



PARTS REQUIRED

1pc - P11 Upper Back Cabinet Board

1pc - A1 A/C Adapter

6pcs - H1 Phillips Round Head Screw

2pcs - **H2** Phillips Round Head Screw

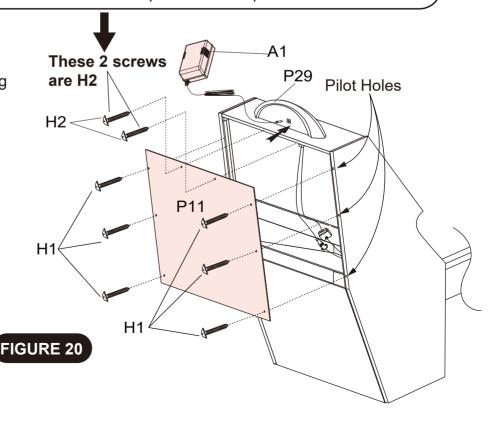
STEP 20

Attach the **P11** Upper Back Cabinet Board onto the Back Leg Cabinet using pilot holes and the **H1 and H2** Phillips Round Screws as shown in **FIGURE 20**.

Tighten, but DO NOT strip out H1, H3 Screws.

Plug **A1** A/C Adapter into back side of **P29** Electronic Scorer

Do not allow A/C Adapter cord to be a trip hazard.



1pc - **P31** Left Plastic Trim Strip

14pcs - H3 Phillips Round Head Screw

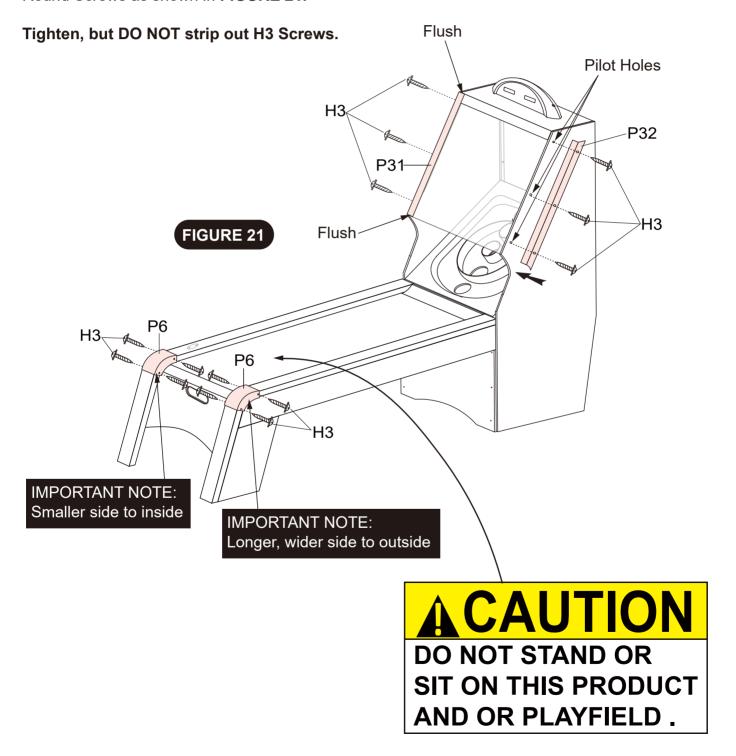
1pc - P32 Right Plastic Trim Strip

2pcs - P6 Top Rail Plastic Corner Cap

STEP 21

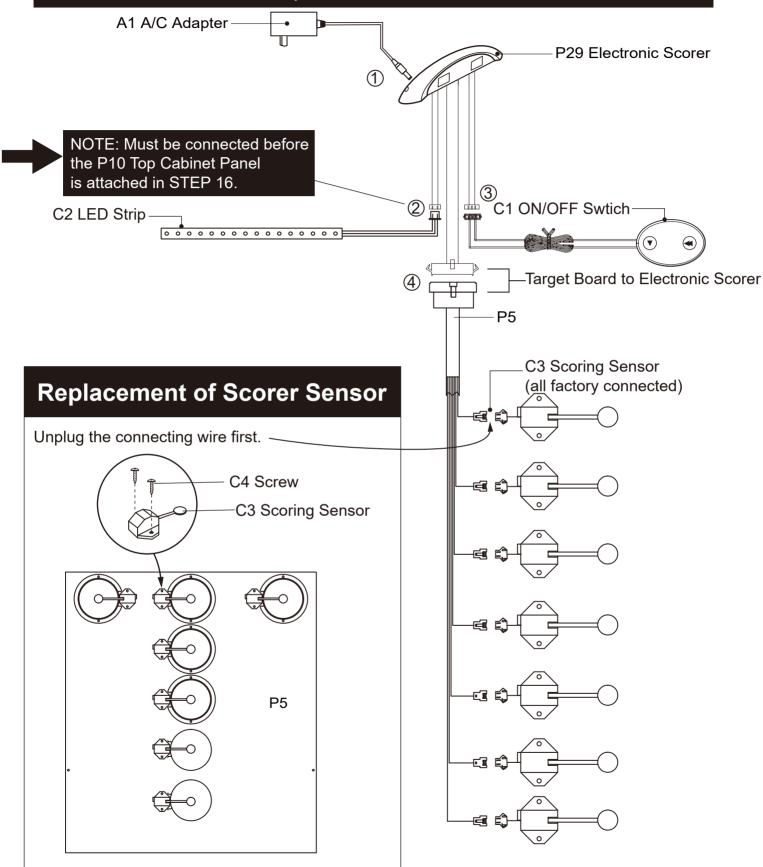
Attach the **P31 / 32** Plastic Trim Strips onto the Cabinet using pilot holes and the **H3** Phillips Round Screws as shown in **FIGURE 21**.

Attach the **P6** Top Rail Plastic Corner Caps onto the Front Legs using pilot holes and the **H3** Phillips Round Screws as shown in **FIGURE 21**.



ELECTRONIC CONNECTIONS

NOTE: All male/ female connectors must be turned correctly in order to plug into each other. Connections 1,2,3,4 are all made by the customer.



Congratulations! You have now assembled your game table. Please note the Care and Use instructions below to insure many years of trouble free use of your game table.

CARE AND USE OF YOUR TABLE

- 1. Use spray furniture polish to clean all exterior surfaces of your game table and on the playfield(but not the plexiglass which requires an acrylic cleaner/polish).
- 2. Use only a suitable 120v AC household outlet, and insure the cord is not a trip hazard.
- 3. This product is intended for **INDOOR** use only.
- 4. **DO NOT** sit, climb or lean on the table.
- 5. **DO NOT** drag the table when moving it. This will damage the legs.
- 6. **DO NOT** set drinks on the table.
- 7. The purchase of a table cover will both protect and help keep clean the entire top of the game table.

PRODUCT PARTS LIST FOR MODEL #AL4100

Key#	Part #	Description	Qty
H1	AL4100HLH1	3.5 mm x 18 mm Phillips Round Head Screw	24
H2	AL4100HLH2	3.5 mm x 28 mm Phillips Round Head Screw	28
H3	AL4100HLH3	3.5 mm x 12 mm Phillips Round Head Screw	98
H4	AL4100HLH4	6 mm x 25 mm Allen Head Bolt	16
H5	AL4100HLH5	6.5 mm x 18 mm Flat Washer	16
H6	AL4100HLH6	M6 Lock Washer	16
H7	AL4100HLH7	3.5 mm x 14 mm Phillips Round Head Screw	12
	AL4100HLT1	M5 Allen Wrench	1
	AL4100HLP1	Front Leg Apron	1
	AL4100HLP2	Left Front Leg	1
_	AL4100HLP3	Right Front Leg	1
	AL4100HLP4	Ball Stop Bottom Board	1
_	AL4100HLP5	Target Board with Scoring Sensors	1
_	AL4100HLP6	Top Rail Plastic Corner Cap	2
	AL4100HLP7	Right Back Cabinet Leg	1
	AL4100HLP8	Left Back Cabinet Leg	1
	AL4100HLP9	Backboard with Graphic	1
_	AL4100HLP10	Top Cabinet Panel for Scorer with LED Light Strip	1
	AL4100HLP11	Upper Back Cabinet Board	1
	AL4100HLP12	Lower Back Cabinet Board	1
	AL4100HLP13	Left Side Apron	1
	AL4100HLP14	Right Side Apron	1
	AL4100HLP15	Left Top Rail with Control Switch and Wiring	1
_	AL4100HLP16	Right Top Rail	1
	AL4100HLP17	Left Leg (assembled with P2)	1
	AL4100HLP18	Right Leg (assembled with P3)	T
P19	AL4100HLP19	Playfield with End Ramp	1

Ke	y #	Part #	Description	Qty.
P2	0.	AL4100HLP20	Wooden Support Brace (packed with P30)	1
P2	1 /	AL4100HLP21	Connecting Board	2
P2	2 /	AL4100HLP22	Goal Box Bottom Board	1
P2	3 /	AL4100HLP23	Metal Connection Plate	16
P2	4 /	AL4100HLP24	Middle Support Board	2
P2	5 /	AL4100HLP25	End Support Board	1
P2	6	AL4100HLP26	Plastic Ball Return	2
P2	7	AL4100HLP27	Clear Plexiglass with Protective Coating on Both Sides	1
P2	.8	AL4100HLP28	Lower Front Cabinet Board	1
P2	9 /	AL4100HLP29	Electronic Scorer	1
P3	0	AL4100HLP30	Black Plastic "L" Bracket	6
P3	1 /	AL4100HLP31	Left Plastic Trim Strip	1
P3	2 /	AL4100HLP32	Right Plastic Trim Strip	1
P3	3 /	AL4100HLP33	Plastic Connector (Playfield to Front Leg)	1
A1	-	AL4100HLA1	A/C Adapter	1
A2		AL4100HLA2	Ball	4
C1		AL4100HLC1	ON / OFF Switch	1
C2	2 .	AL4100HLC2	Led Strip	2
C3	}	AL4100HLC3	Scoring Sensor	7
C4		AL4100HLC4	3.5mm x 12mm Phillips Round Head Screw	14
K1	-	AL4100HLK1	Hardware Kit	1
M1	I /	AL4100HLM1	Instruction Manual	1

90 DAY LIMITED WARRANTY

This customer warranty extends to the original owner, on the purchase of any ESCALADE SPORTS Product (hereinafter referred as the "Product").

WARRANTY DURATION: This Product is warranted to the original owner, for a period of 90 days from the original purchase.

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

WARRANTY REPLACEMENT: During the above 90 day warranty period, ESCALADE SPORTS shall provide replacement components or replace with a comparable product at our choosing. If product is defective under normal use and proper care, please contact our Customer Service Dept.

1-888-996-2729 / Customer Service Dept.
Or Write us at:
Escalade® Sports, Inc. - P.O. Box 889, Evansville, IN 47706
Attn: Customer Service Dept.
Or E-mail us at:
customerservice@escaladesports.com

Other than shipping requirements no charge will be made for such replacement of in-warranty Products.

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

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

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