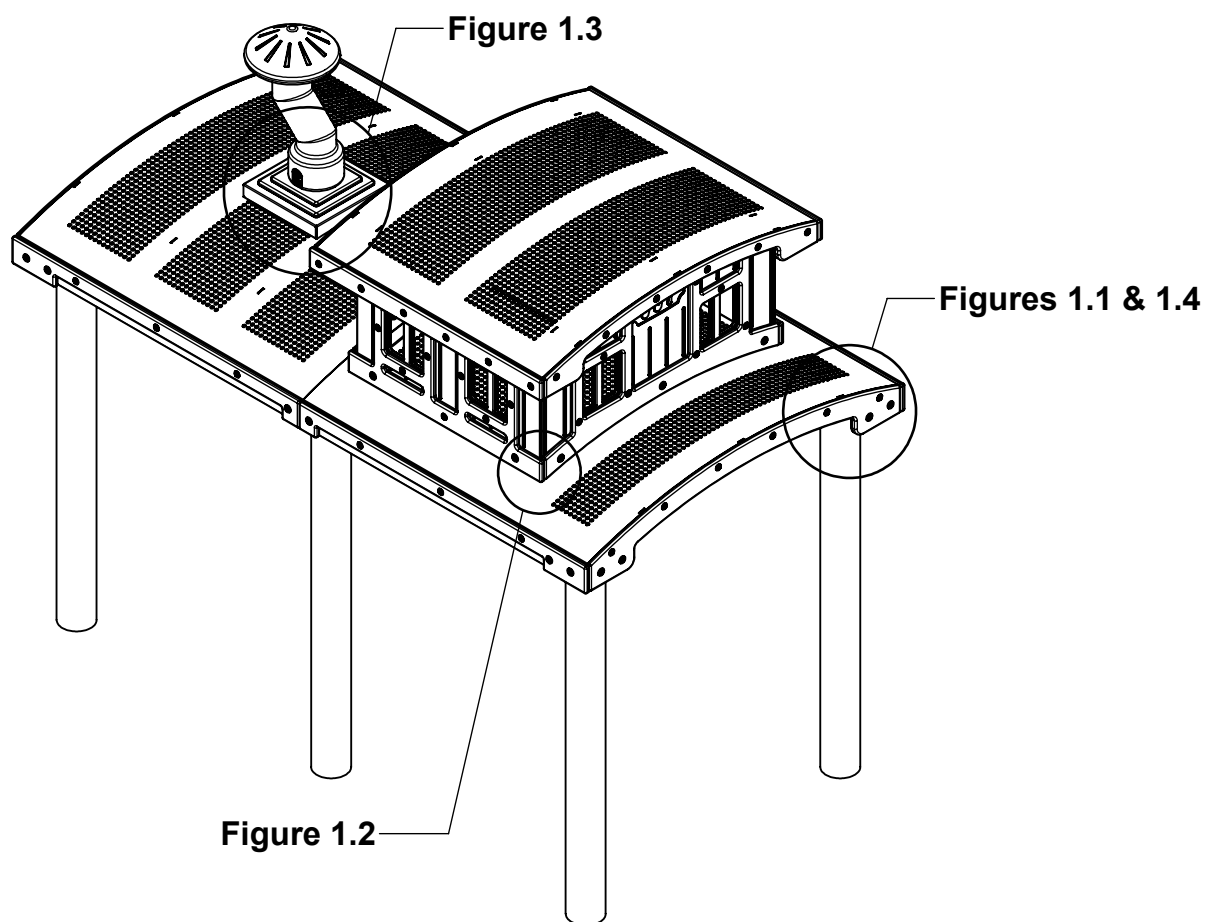


IMPORTANT NOTES: Read First

(A) Use liquid thread lock (such as Loctite®) with all threaded hardware. **Important:** Liquid thread lock (prior to curing) helps to eliminate the common problem of "thread seizure" in stainless steel hardware by serving as a lubricant during assembly.

FIGURE 1
Train Roof Assembly



NOTE: R5 Train Caboose Roof shown.
Other configurations will vary slightly,
but does not affect assembly.

Step 1 (Factory Assembled)

Attach Train Roof Side Trim and Train Roof Front Trim to Train Roof Half as shown in Figure 2.
(See Note A)

NOTE: Caboose Roof shown.

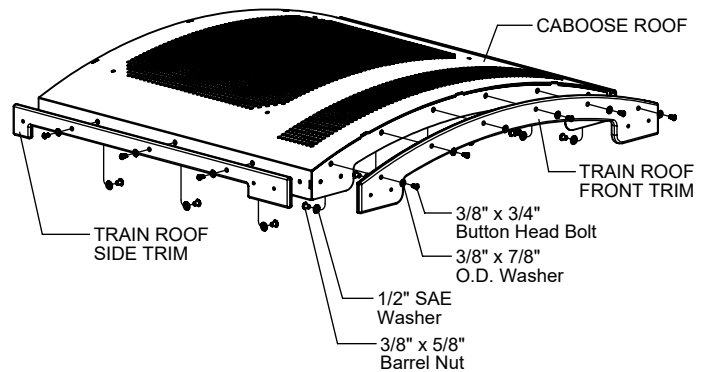


FIGURE 2

Step 2 (Factory Assembled)

For Train Caboose Roof Only

Attach Caboose Top Roof Side Trim and Front Trim to Train Caboose Top Roof as shown in Figure 3.
(See Note A)

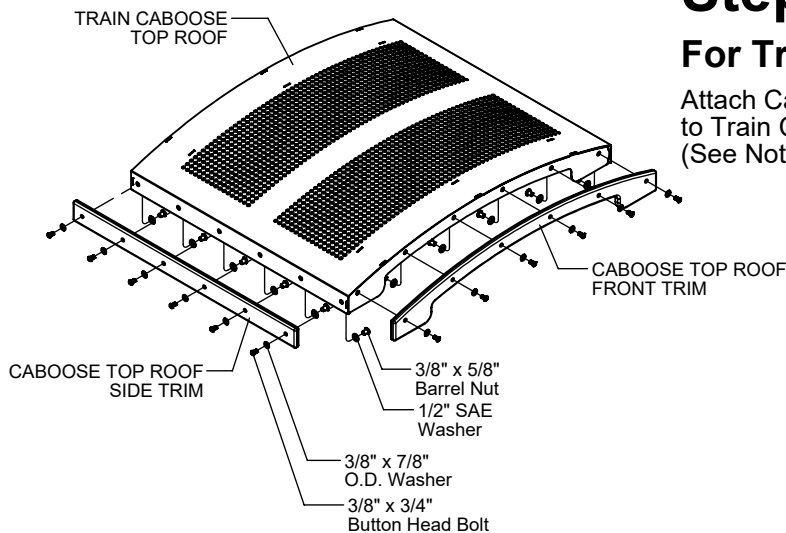


FIGURE 3

Step 3 (Factory Assembled)

For Train Caboose Roof Only

Install Nutserts into Smoke Stack Base as shown in Figure 4.

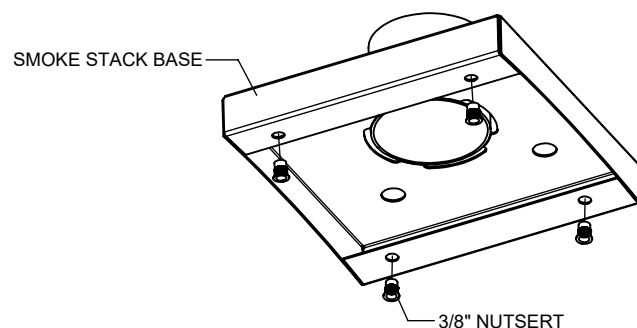


FIGURE 4

Step 4 (Factory Assembled)

For Train Caboose Roof Only

Attach Tree House Stove Pipe and Smoke Stack Spacers to Smoke Stack Base as shown in Figure 5.

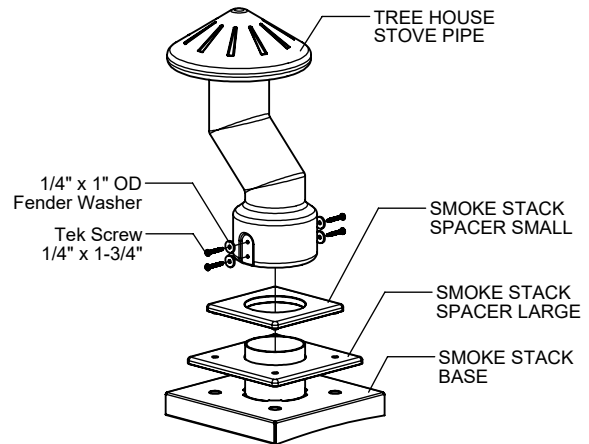


FIGURE 5

Step 5 (Factory Assembled)

For Train Caboose Roof Only

Insert Nutserts into Train Caboose Roof Brackets as shown in Figure 6.

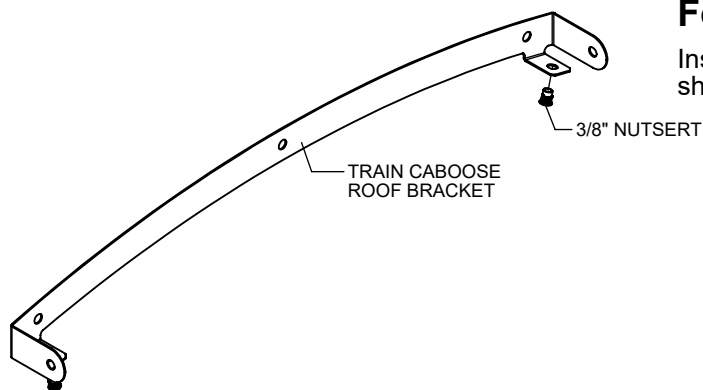


FIGURE 6

Step 6 (Factory Assembled)

For Train Caboose Roof Only

Attach Train Caboose Face Trim to Caboose Face Panels as shown in Figure 7. (See Note A)

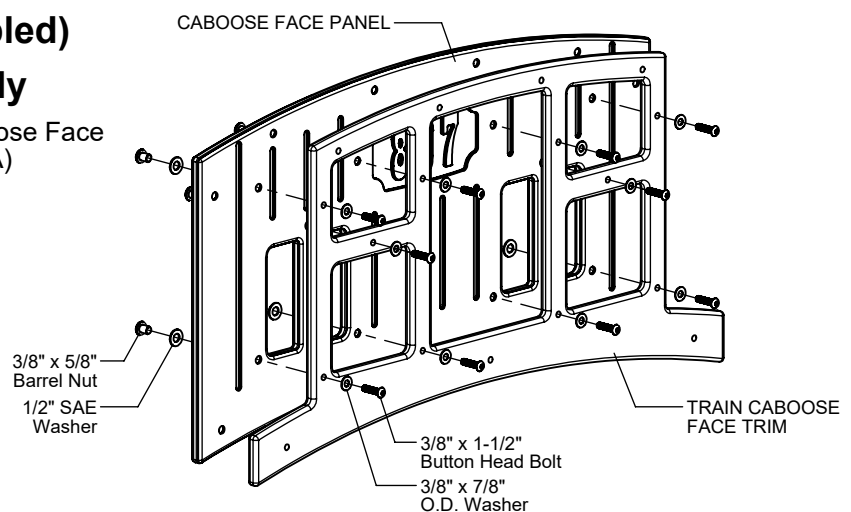


FIGURE 7

Step 7 (Factory Assembled)

For Train Caboose Roof Only

Attach Train Caboose Side Trim to Train Caboose Side Panels as shown in Figure 8. (See Note A)

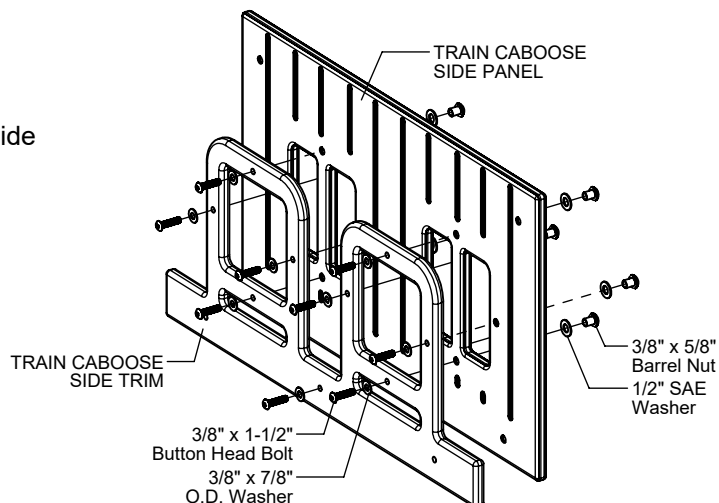


FIGURE 8

Step 8

For Train Caboose Roof Only

Attach Train Caboose Roof Brackets and Spring Rider Brackets to Caboose Face Panels as shown in Figure 9. (See Note A)

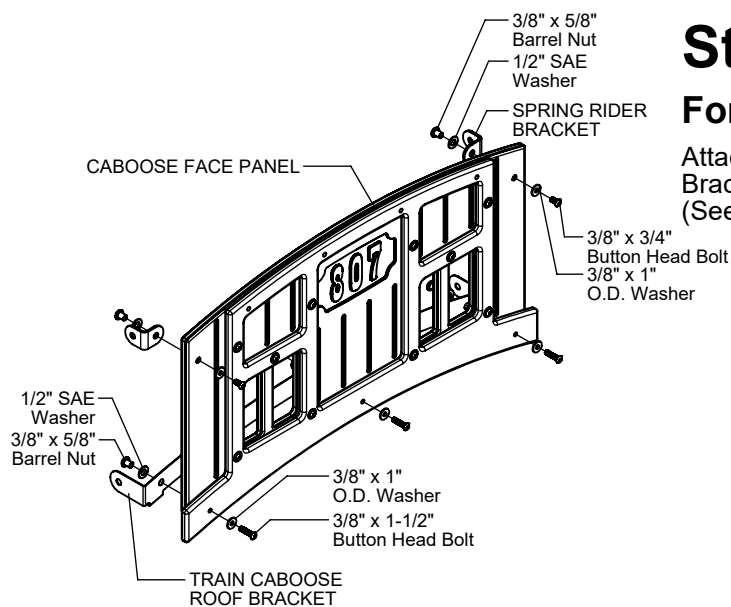


FIGURE 9

Step 9

For Train Caboose Roof Only

Attach Caboose Face Panels to Train Caboose Top Roof as shown in Figure 10. (See Note A)

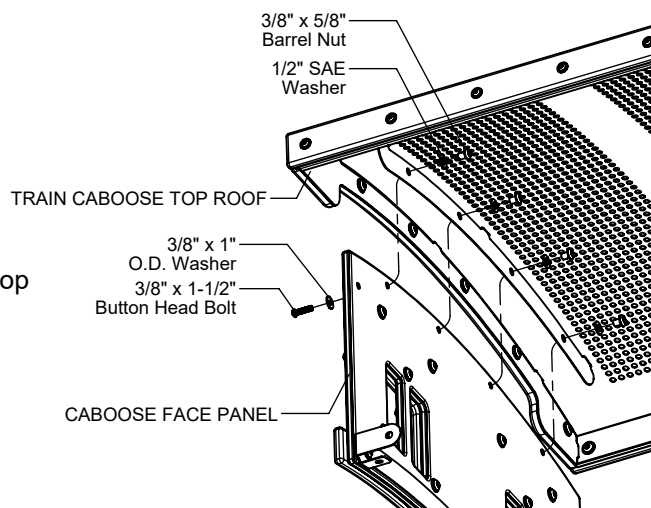


FIGURE 10

Step 10

For Train Caboose Roof Only

Attach Train Caboose Side Panels to Spring Rider Brackets and Train Caboose Roof Brackets as shown in Figure 11. (See Note A)

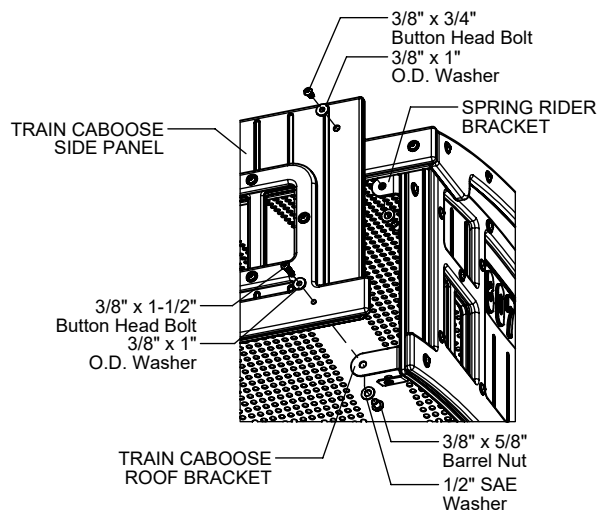


FIGURE 11

Step 11

Attach Steel Roof Post Brackets to Train Roof as shown in Figure 1.1. (See Note A)

NOTE: Corner Steel Roof Post Bracket shown.

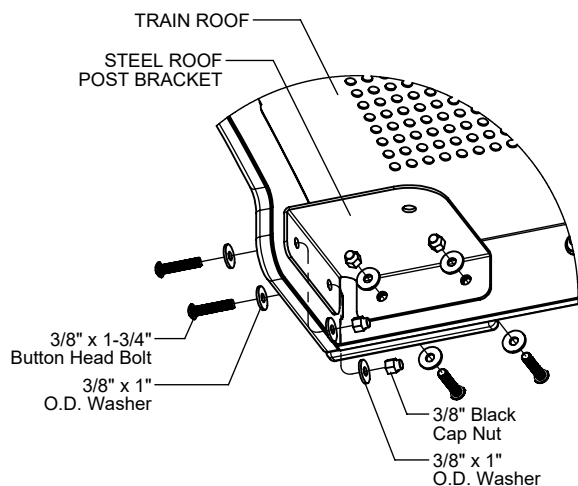


Figure 1.1

Step 12

For Train 6-Post Roofs Only

Attach Train Roof Spacer to Train Roof Halves as shown in Figure 12. (See Note A)

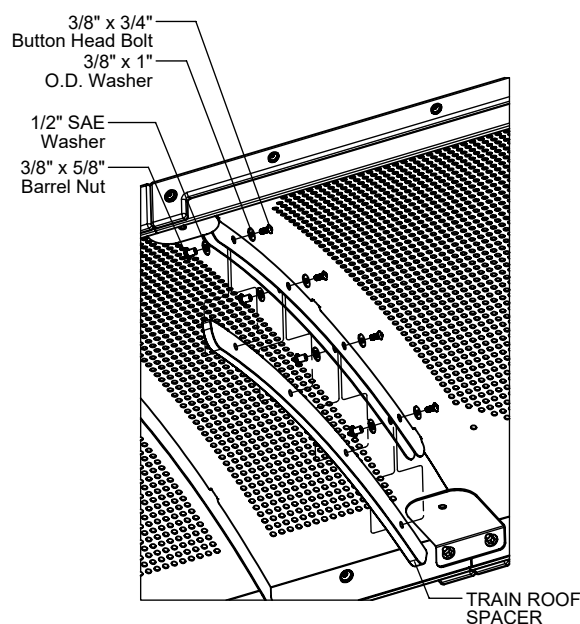


FIGURE 12

Step 13

For Train Caboose Roof Only

Attach Caboose Top Roof to Caboose Roof as shown in Figure 1.2. (See Note A)

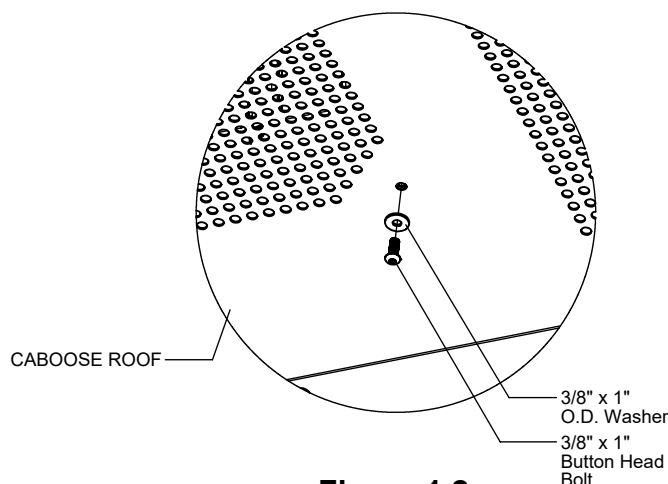


Figure 1.2

Step 14

For Train Caboose Roof Only

Attach Smoke Stack to Train Roof as shown in Figure 1.3. (See Note A)

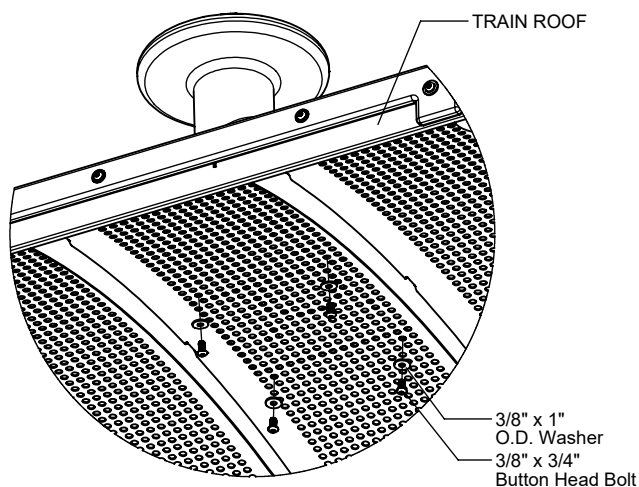


Figure 1.3

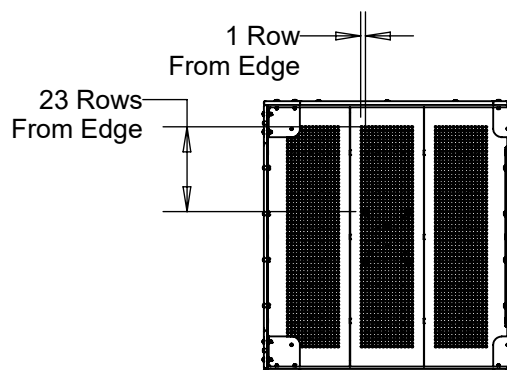


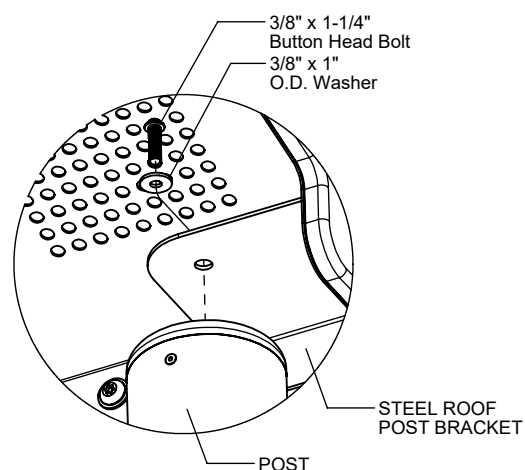
Figure 1.4

Step 15

Attach Train Roof to Posts as shown in Figure 1.4. (See Note A)

Step 16

Fully tighten all fasteners according to the "TIGHTENING TORQUE FOR HARDWARE" section of the Installation Manual.



TRAIN ROOF ASSEMBLY INSTALLATION INSTRUCTIONS

R5-18075
Page 7 of 8

Parts List

TRAIN 4-POST ROOF R5 S-18073		
Part #	DESCRIPTION	QTY
BE-0048	Steel Roof Post Bracket	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	4
9103082-TR	Bolt Button Head 3/8" x 1-3/4"	16
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	36
9413162-BLK	Nut Lock 3/8" w/ Black Cap	16

TRAIN 6-POST ROOF R5 S-18074		
Part #	DESCRIPTION	QTY
BE-0048	Steel Roof Post Bracket	4
BE-0204	Steel Roof Center Post Bracket	2
EF-0375	Train 6-Post Roof Spacer	1
9103032-TR	Bolt Button Head 3/8" x 3/4"	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	6
9103082-TR	Bolt Button Head 3/8" x 1-3/4"	20
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	50
9345002	Washer Flat SAE 1/2"	4
9413162-BLK	Nut Lock 3/8" w/ Black Cap	20
9443022-TR	Nut Barrel 3/8" x 5/8" BH	4

TRAIN CABOOSE ROOF R5 S-18075		
Part #	DESCRIPTION	QTY
BE-0048	Steel Roof Post Bracket	4
BE-0204	Steel Roof Center Post Bracket	2
BE-4466	Spring Rider Bracket	4
EF-0375	Train 6-Post Roof Spacer	1
9103032-TR	Bolt Button Head 3/8" x 3/4"	16
9103052-TR	Bolt Button Head 3/8" x 1"	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	6
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	18
9103082-TR	Bolt Button Head 3/8" x 1-3/4"	20
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	84
9345002	Washer Flat SAE 1/2"	30
9413162-BLK	Nut Lock 3/8" w/ Black Cap	20
9443022-TR	Nut Barrel 3/8" x 5/8" BH	30

Assembled Parts List

TRAIN 4-POST ROOF R5 S-18073		
Part #	DESCRIPTION	QTY
CF-0754	Train 4-Post Roof	1
EF-0319	Train 4-Post Roof Side Trim	2
EF-0320	Train Roof Front Trim	2
9103032-TR	Bolt Button Head 3/8" x 3/4"	20
9333042	Washer Flat 3/8" x 7/8" O.D.	20
9345002	Washer Flat SAE 1/2"	20
9443022-TR	Nut Barrel 3/8" x 5/8" BH	20

TRAIN 6-POST ROOF R5 S-18074		
Part #	DESCRIPTION	QTY
CF-0755	Train 6-Post Roof Half	2
EF-0320	Train Roof Front Trim	2
EF-0321	Train 6-Post Roof Side Trim	4
9103032-TR	Bolt Button Head 3/8" x 3/4"	24
9333042	Washer Flat 3/8" x 7/8" O.D.	24
9345002	Washer Flat SAE 1/2"	24
9443022-TR	Nut Barrel 3/8" x 5/8" BH	24

TRAIN CABOOSE ROOF R5 S-18075		
Part #	DESCRIPTION	QTY
BF-0756	Train Caboose Roof Bracket	2
CF-0755	Train 6-Post Roof Half	1
CF-0756	Train Caboose Roof Half	1
CF-0757	Train Caboose Top Roof	1
DF-0009	Tree House Stove Pipe	1
EE-0441-L	Train Roof Smoke Stack Spacer - Large	1
EE-0441-S	Train Roof Smoke Stack Spacer - Small	1
EF-0320	Train Roof Front Trim	2
EF-0321	Train 6-Post Roof Side Trim	4
EF-0376	Train Caboose Face Panel	2
EF-0376-T	Train Caboose Face Trim	2
EF-0377	Train Caboose Side Panel	2
EF-0377-T	Train Caboose Side Trim	2
EF-0378	Train Caboose Top Roof Front Trim	2
EF-0379	Train Caboose Top Roof Side Trim	2
FS-18075-STK	Train Roof Smoke Stack Base	1
455110	Nutsert 3/8 x .690	8
9103032-TR	Bolt Button Head 3/8" x 3/4"	48
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	38
9271082-TR	1/4" x 1-3/4" Tek Screw	4
9321052-THK	Washer Fender 1/4" x 1" OD x .125" thk	4
9333042	Washer Flat 3/8" x 7/8" O.D.	86
9345002	Washer Flat SAE 1/2"	86
9443022-TR	Nut Barrel 3/8" x 5/8" BH	86



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Rev C
2/21/2022

Specifications

TRAIN ROOFS:

Shall be fabricated using punched, formed and welded 14 gauge sheet steel and will have a multi-stage baked-on powder coat finish.

TRAIN CABOOSE ROOF BRACKET:

Shall be fabricated using punched and formed 14 gauge sheet steel and will have a multi-stage baked-on powder coat finish.

TRAIN ROOF SMOKE STACK BASE:

Shall be fabricated using punched and formed 14 gauge sheet steel with welded 5" O.D. 11 gauge steel tubing and will have a multi-stage baked-on powder coat finish.

TRAIN ROOF PANELS, TRIM & SPACERS:

Shall be made from high density 3/4" sheet plastic specially formulated for optimum UV stability and color retention.

POST BRACKETS:

Shall be fabricated using punched and formed 10 gauge sheet steel and will have a multi-stage baked-on powder coat finish.

SPRING RIDER BRACKET:

Shall be fabricated using 3/16" thick plate steel and will have a multi-stage baked-on powder coat finish.

HARDWARE:

Shall be stainless steel, zinc/nickel plated or galvanized as required to resist rust and corrosion.

Maintenance

Periodically tighten all screws, bolts and nuts. A periodic inspection of all parts is necessary. If a part is broken or worn, replace immediately. For general maintenance please refer to our Playground Maintenance Manual.