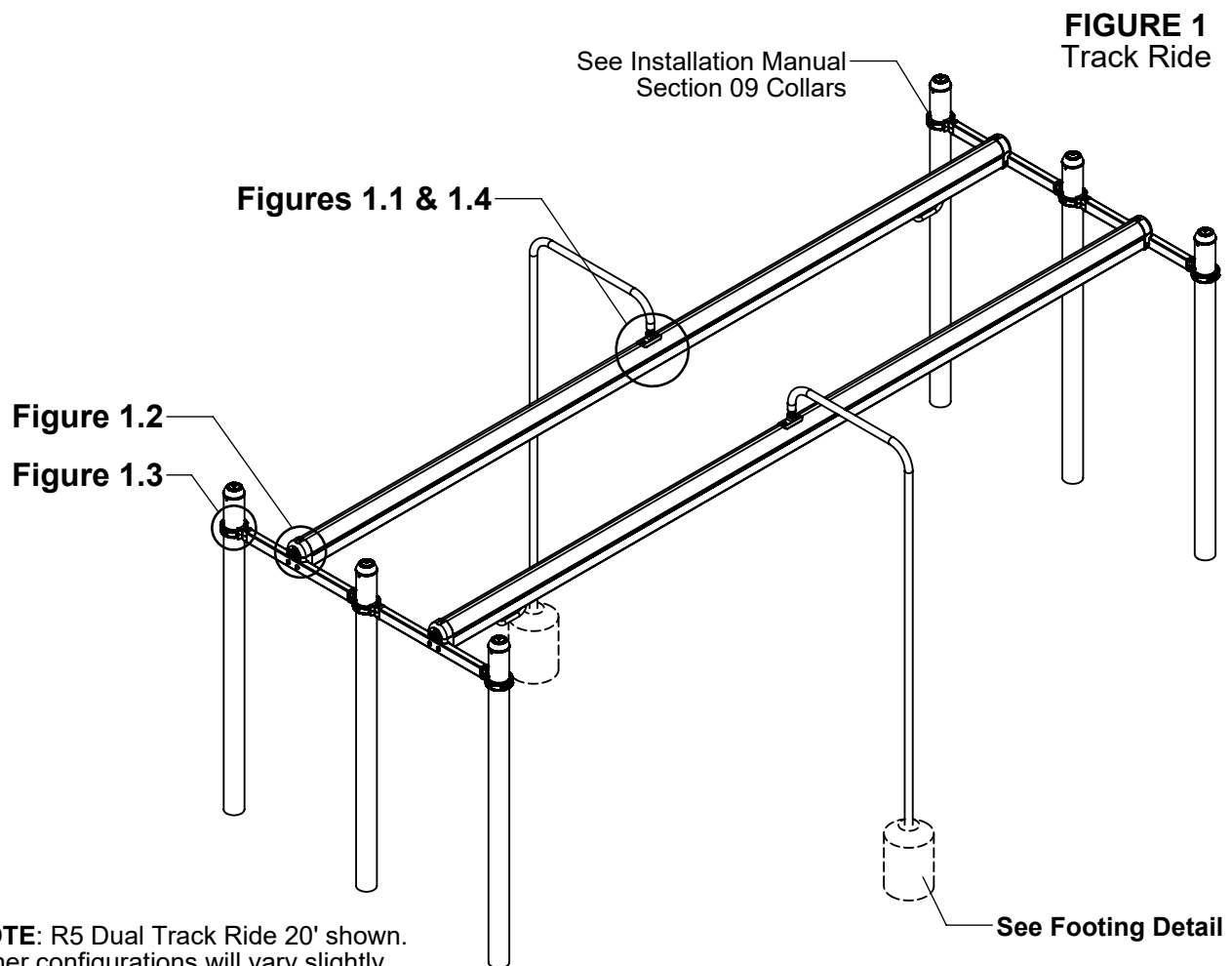


IMPORTANT NOTES: Read First

- (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.
- (B) Do not pour concrete until the equipment is completely assembled, leveled and plumbed. Concrete must be allowed to cure completely before using the equipment (at least 72 hours).
- (C) Refer to Installation Manual for 09 Collars installation instructions.
- (D) The distance between Dual Track Rides from the center of the handles must be 48" [1219mm]. The Center supports must be installed on the outside of the event.
- (E) The maximum height of the Track Ride Handle (at grasping point) from the top of the protective surfacing shall be between 64" [1626mm] and 78" [1981mm].
- (F) An appropriate energy absorbing safety surface is required under and around all playground equipment. Loose fill protective surfacing is shown only as an example for the purpose of this assembly instruction. Other surfacing material may vary in thickness and/or compression depths. See free publication - The Handbook for Public Playground Safety, Publication #325 at www.cpsc.gov for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.



NOTE: R5 Dual Track Ride 20' shown.
Other configurations will vary slightly,
but does not affect assembly.

Step 1

Refer to Footing Layout and mark footing hole locations. Dig (1) \varnothing 12" footing hole for each support required. Refer to Footing Detail for depth and details.

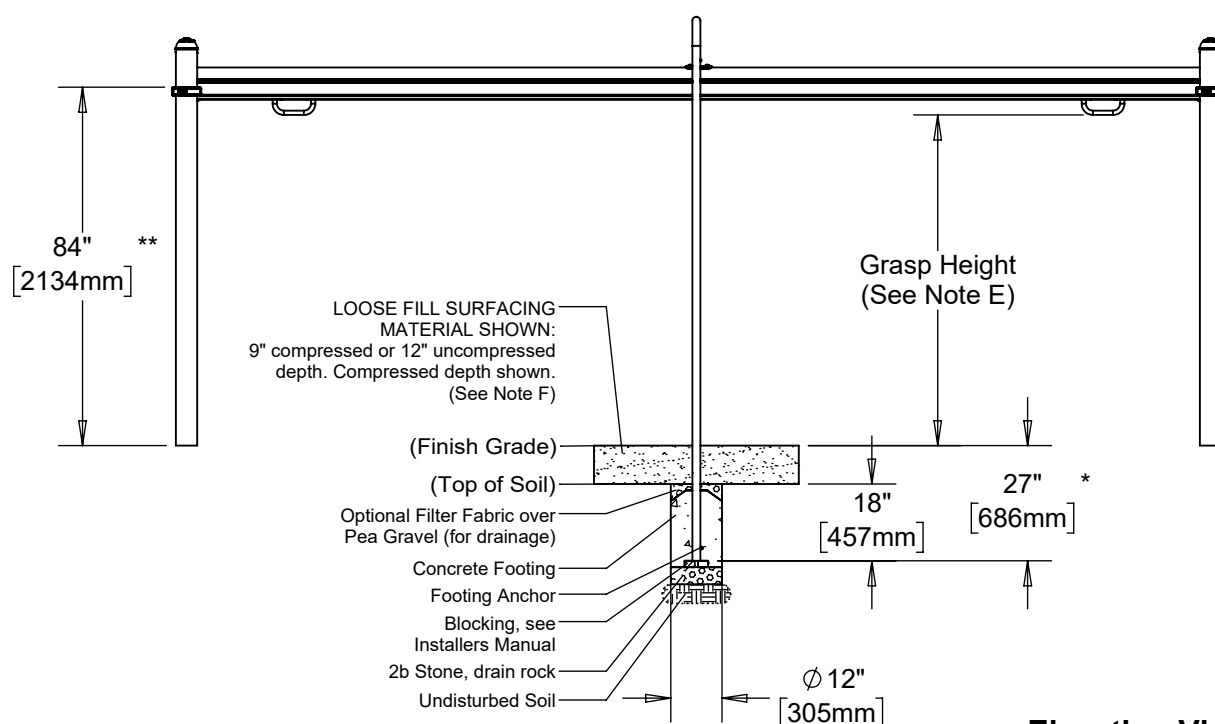
IMPORTANT: For areas with soft soil conditions, larger footings may be required.

* Footing depth must be adjusted to compensate for the depth/thickness requirements of selected safety surfacing. See Section 06.1 of the Installation Manual.

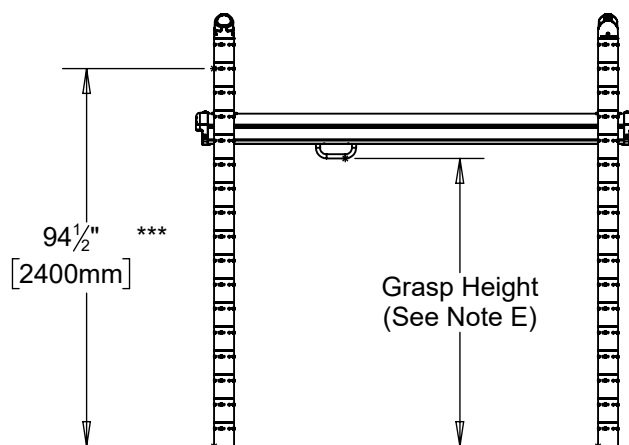
** Height shown from finish grade to top of collar.

*** Height shown from finish grade to mounting hole.

Elevation View
R5 & R35

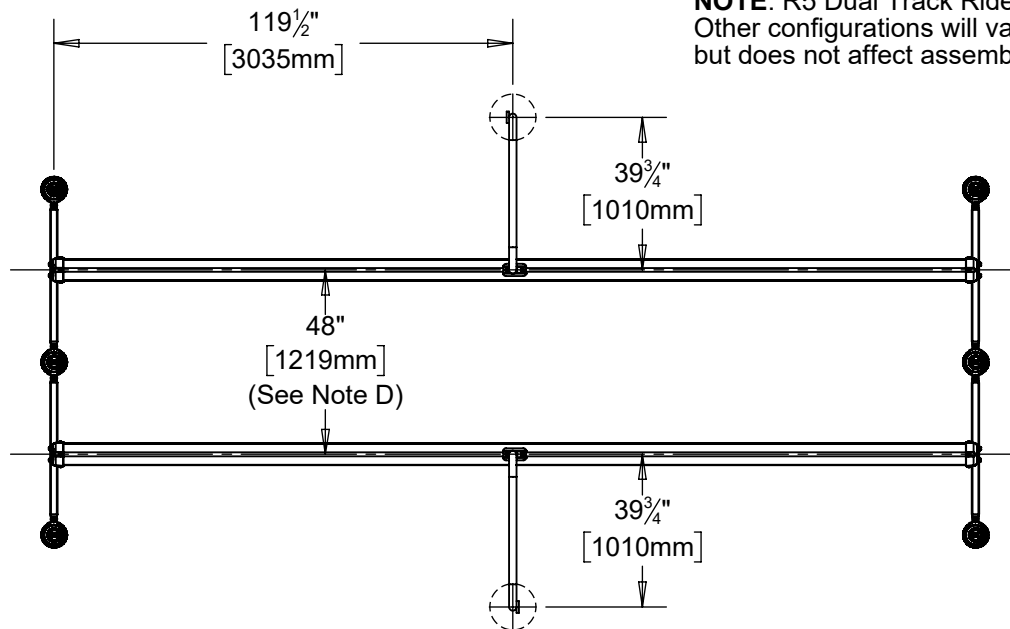


Elevation View
Revolution



Step 1 (Continued)

Top View - Footing Layout



NOTE: R5 Dual Track Ride 20' shown. Other configurations will vary slightly, but does not affect assembly.

Step 2 (Factory Assembled)

Assemble Track Ride Handle components as shown in Figure 2. (See Note A)

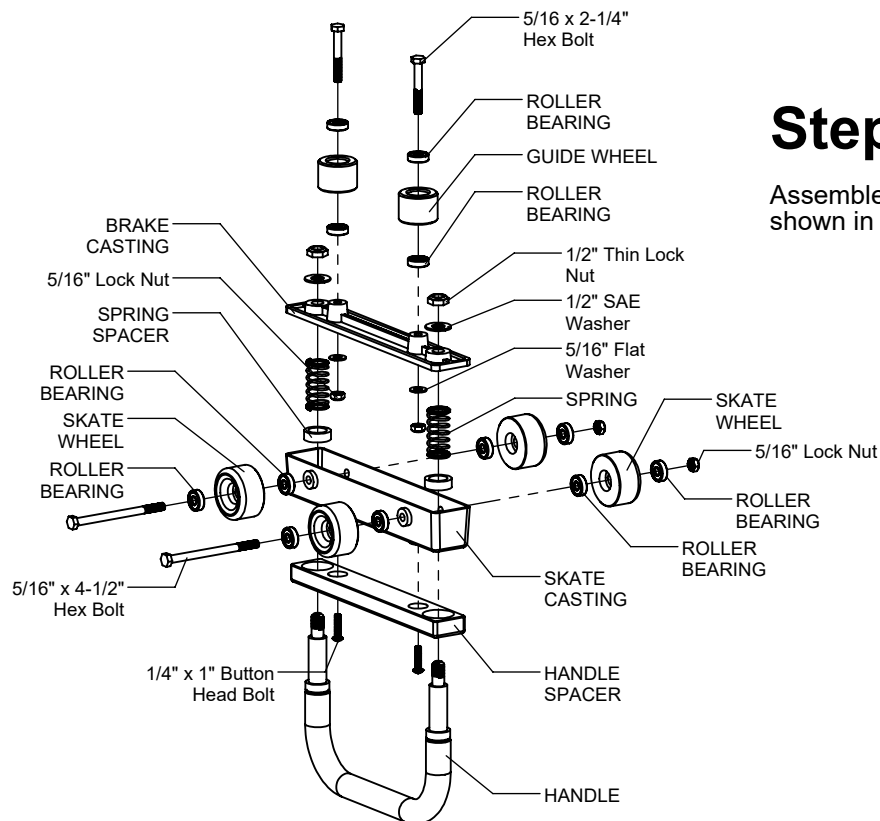


FIGURE 2

Step 3 (Factory Assembled)

Drill 5/64" hole through Hex Bolts and insert Cotter Pins. Insert Track Ride Handle into Track Ride Beam as shown in Figure 3.

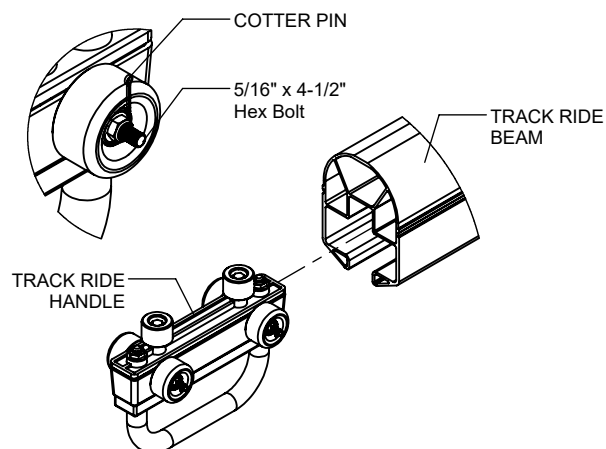


FIGURE 3

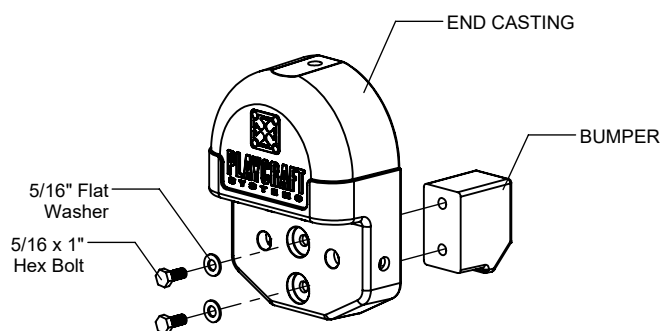


FIGURE 4

Step 4 (Factory Assembled)

Attach Bumpers to End Castings as shown in Figure 4. (See Note A)

Step 5 (Factory Assembled)

For Revolution Version Only

Attach Track Ride Mounts to Track Ride Beam as shown in Figure 5. (See Note A)

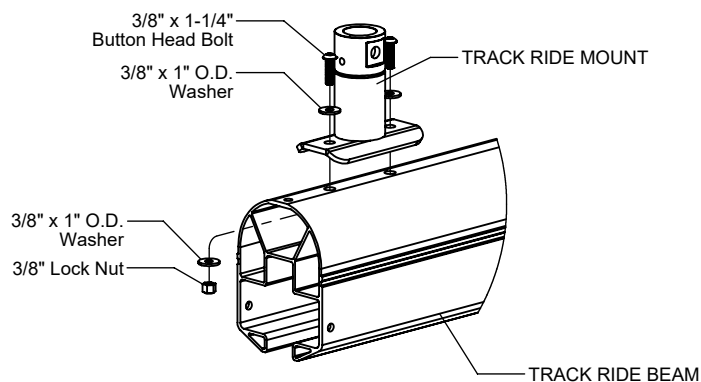


FIGURE 5

Step 6 (Factory Assembled)

For 20' Track Ride Only

Drill (2) 17/32" holes spaced 4" apart centered on Track Ride Beam. Install Nutserts into Track Ride Beam and attach Support Plate as shown in Figure 1.1. (See Note A)

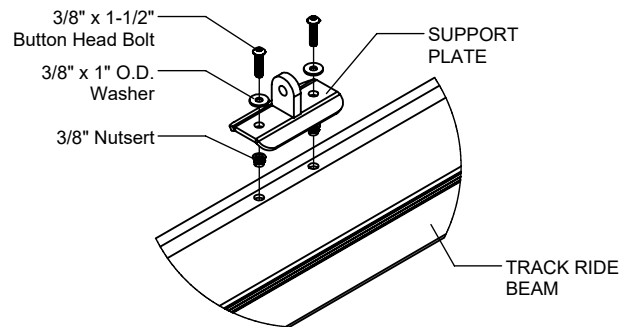


Figure 1.1

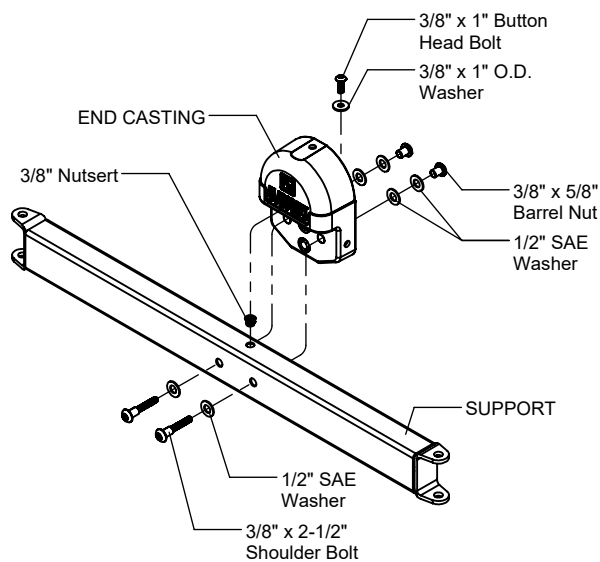


FIGURE 6

Step 8 (Factory Assembled)

Using End Casting as a template, mark and drill (3) 25/64" holes into Track Ride Beam at each end. Attach Track Ride Beam to End Castings as shown in Figure 1.2. (See Note A)

Step 7 (Factory Assembled)

For R35/R5 Versions Only

Install Nutserts into Track Ride Supports and attach End Castings to End Supports as shown in Figure 6. (See Note A)

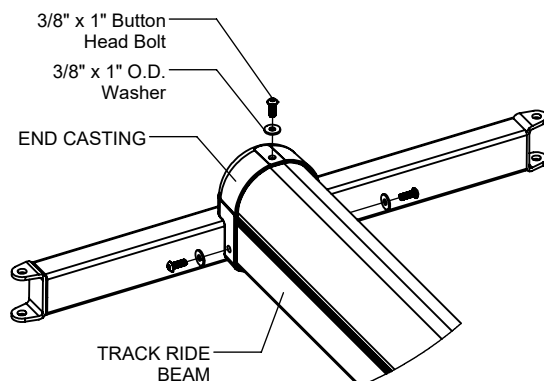


Figure 1.2

Step 9

For R35/R5 Versions Only

Locate and attach collars as shown in Footing Detail.
(See Notes C & E)

Step 10

For R35/R5 Versions Only

Attach Track Ride Support to collars as shown
in Figure 1.3. (See Note A)

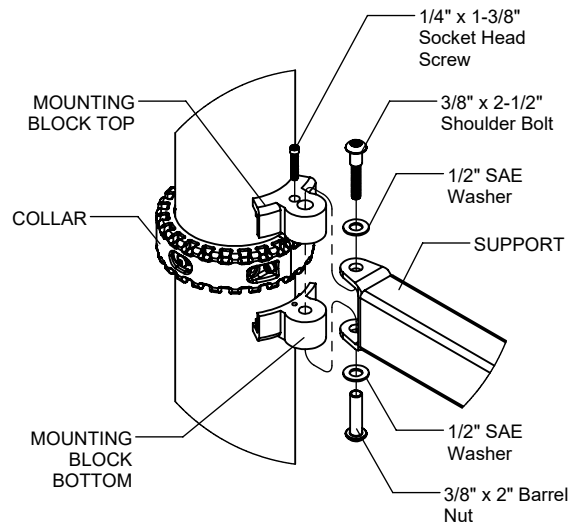


Figure 1.3

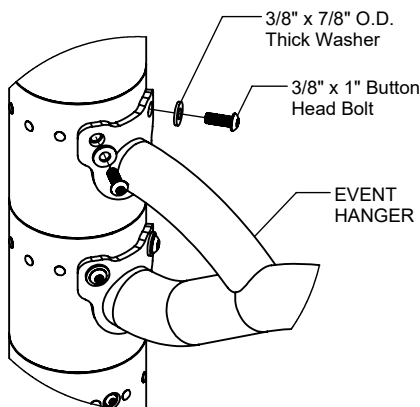


FIGURE 7

Step 11

For Revolution Version Only

Refer to Elevation View and attach Event Hanger to
posts as shown in Figure 7. (See Note A)

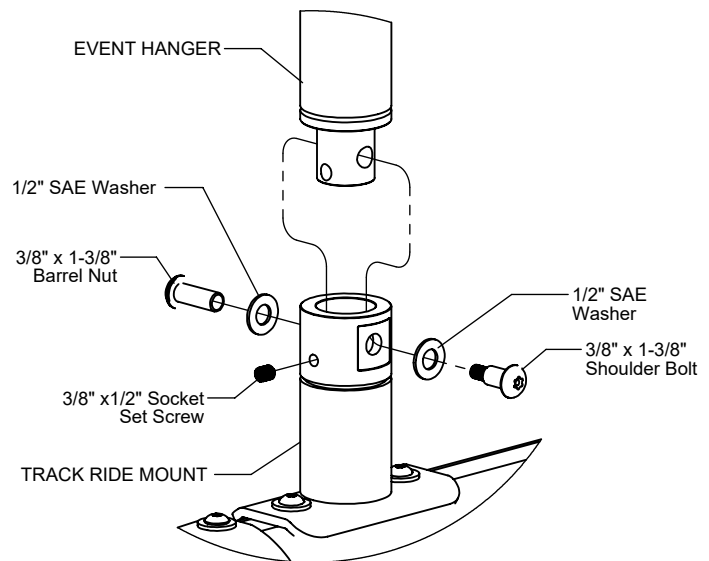


FIGURE 8

Step 12

For Revolution Version Only

Attach Track Ride Mounts to Pins as shown in
Figure 8. (See Note A)

Step 13

For 20' Track Ride Only

Place Traverse Support into footing hole and attach to Support Plate as shown in Figure 1.4.
(See Notes A & B)

Step 14

Plumb and level entire component. Pour concrete into footing hole. Allow at least 72 hours to cure before using this equipment. (See Note B)

Step 15

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

Step 16

Place required protective surfacing under and around Track Ride. (See Note F)

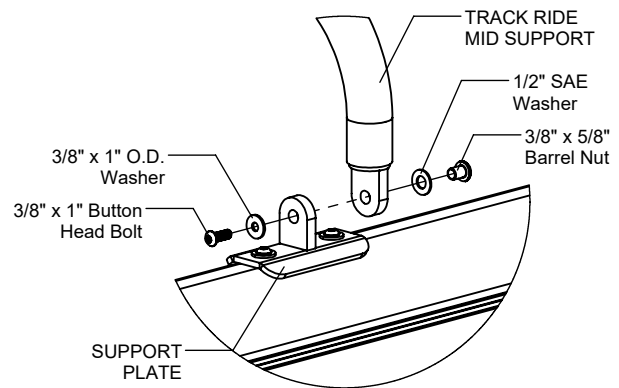


Figure 1.4

TRACK RIDE INSTALLATION INSTRUCTIONS

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Assembled Parts List

Track Ride Handle		
Part #	DESCRIPTION	QTY
EE-4748-A	Track Ride Handle Spacer	1
EE-4748-B	Track Ride Spring Spacer	2
FS-1413-HND	Track Ride Handle	1
GE-4725	Track Ride Skate Casting	1
GE-4726	Track Ride Brake Casting	1
IE-0147	Track Ride Guide Wheel	2
440002	Roller Bearing 5/16"x7/8"x1/4"thick	12
440003	Track Ride Skate Wheel	4
564002	Track Ride Spring	2
9101052-TR	Bolt Button Head 1/4" x 1"	2
9122101	Bolt Hex 5/16" x 2-1/4"	2
9122191	Bolt Hex 5/16" x 4-1/2"	2
9332032	Washer Flat 5/16"	2
9345002	Washer Flat SAE 1/2"	2
9412182	Nut Lock 5/16	4
9425002	Nut Lock 1/2" Thin	2
9661634	Cotter Pin	2

Parts List

R3.5 Single Track Ride		
Part #	DESCRIPTION	QTY
GG-8125	Mounting Block 6 Top R3.5	4
GG-8127	Mounting Block 6 Bottom R3.5	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9345002	Washer Flat SAE 1/2"	8
9443092-TR	Nut Barrel 3/8" x 2" BH	4

Assembled Parts List

R3.5 Single Track Ride		
Part #	DESCRIPTION	QTY
FE-4325	Track Ride Bumper	2
FS-1413-R35	Track Ride Support R35	2
GE-4312	Track Ride End Casting	2
Varies	Track Ride Beam	1
S-1413-HND	Track Ride Handle	1
455111	Nutsert 3/8 x .805	2
9103052-TR	Bolt Button Head 3/8" x 1"	8
9122052	Bolt Hex 5/16" x 1"	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9332032	Washer Flat 5/16"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	8
9345002	Washer Flat SAE 1/2"	12
9443022-TR	Nut Barrel 3/8" x 5/8" BH	4

Parts List

R3.5 Single Track Ride with Support		
Part #	DESCRIPTION	QTY
FS-1413-SUP	Track Ride Mid Support	1
GG-8125	Mounting Block 6 Top R3.5	4
GG-8127	Mounting Block 6 Bottom R3.5	4
9103052-TR	Bolt Button Head 3/8" x 1"	1
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	1
9345002	Washer Flat SAE 1/2"	9
9443022-TR	Nut Barrel 3/8" x 5/8" BH	1
9443092-TR	Nut Barrel 3/8" x 2" BH	4

Assembled Parts List

R3.5 Single Track Ride with Support		
Part #	DESCRIPTION	QTY
FE-4325	Track Ride Bumper	2
FS-1413-C	Track Ride Center Support Bracket	1
FS-1413-R35	Track Ride Support R35	2
GE-4312	Track Ride End Casting	2
LE-4159-20	Track Ride Beam 240"	1
S-1413-HND	Track Ride Handle	1
455111	Nutsert 3/8 x .805	4
9103052-TR	Bolt Button Head 3/8" x 1"	8
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	2
9122052	Bolt Hex 5/16" x 1"	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9332032	Washer Flat 5/16"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	10
9345002	Washer Flat SAE 1/2"	12
9443022-TR	Nut Barrel 3/8" x 5/8" BH	4



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Parts List

R3.5 Dual Track Ride		
Part #	DESCRIPTION	QTY
GG-8125	Mounting Block 6 Top R3.5	8
GG-8127	Mounting Block 6 Bottom R3.5	8
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	8
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	8
9345002	Washer Flat SAE 1/2"	16
9443092-TR	Nut Barrel 3/8" x 2" BH	8

Assembled Parts List

R3.5 Dual Track Ride		
Part #	DESCRIPTION	QTY
FE-4325	Track Ride Bumper	4
FS-1413-R3548-L	Dual Track Ride Support R35 - Left	2
FS-1413-R3548-R	Dual Track Ride Support R35 - Right	2
GE-4312	Track Ride End Casting	4
Varies	Track Ride Beam	2
S-1413-HND	Track Ride Handle	2
455111	Nutsert 3/8 x .805	4
9103052-TR	Bolt Button Head 3/8" x 1"	16
9122052	Bolt Hex 5/16" x 1"	8
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	8
9332032	Washer Flat 5/16"	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	16
9345002	Washer Flat SAE 1/2"	24
9443022-TR	Nut Barrel 3/8" x 5/8" BH	8

Parts List

R3.5 Dual Track Ride with Support		
Part #	DESCRIPTION	QTY
FS-1413-SUP	Track Ride Mid Support	2
GG-8125	Mounting Block 6 Top R3.5	8
GG-8127	Mounting Block 6 Bottom R3.5	8
9103052-TR	Bolt Button Head 3/8" x 1"	2
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	8
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	2
9345002	Washer Flat SAE 1/2"	18
9443022-TR	Nut Barrel 3/8" x 5/8" BH	2
9443092-TR	Nut Barrel 3/8" x 2" BH	8

Assembled Parts List

R3.5 Dual Track Ride with Support		
Part #	DESCRIPTION	QTY
FE-4325	Track Ride Bumper	4
FS-1413-C	Track Ride Center Support Bracket	2
FS-1413-R3548-L	Dual Track Ride Support R35 - Left	2
FS-1413-R3548-R	Dual Track Ride Support R35 - Right	2
GE-4312	Track Ride End Casting	4
LE-4159-20	Track Ride Beam 240"	2
S-1413-HND	Track Ride Handle	2
455111	Nutsert 3/8 x .805	8
9103052-TR	Bolt Button Head 3/8" x 1"	16
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	4
9122052	Bolt Hex 5/16" x 1"	8
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	8
9332032	Washer Flat 5/16"	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	20
9345002	Washer Flat SAE 1/2"	24
9443022-TR	Nut Barrel 3/8" x 5/8" BH	8



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Parts List

R5 Single Track Ride		
Part #	DESCRIPTION	QTY
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9345002	Washer Flat SAE 1/2"	8
9443092-TR	Nut Barrel 3/8" x 2" BH	4

Assembled Parts List

R5 Single Track Ride		
Part #	DESCRIPTION	QTY
FE-4325	Track Ride Bumper	2
FS-1413-R	Track Ride Support R5	2
GE-4312	Track Ride End Casting	2
Varies	Track Ride Beam	1
S-1413-HND	Track Ride Handle	1
455111	Nutsert 3/8 x .805	2
9103052-TR	Bolt Button Head 3/8" x 1"	8
9122052	Bolt Hex 5/16" x 1"	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9332032	Washer Flat 5/16"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	8
9345002	Washer Flat SAE 1/2"	12
9443022-TR	Nut Barrel 3/8" x 5/8" BH	4

Parts List

R5 Single Track Ride with Support		
Part #	DESCRIPTION	QTY
FS-1413-SUP	Track Ride Mid Support	1
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
9103052-TR	Bolt Button Head 3/8" x 1"	1
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	1
9345002	Washer Flat SAE 1/2"	9
9443022-TR	Nut Barrel 3/8" x 5/8" BH	1
9443092-TR	Nut Barrel 3/8" x 2" BH	4

Assembled Parts List

R5 Single Track Ride with Support		
Part #	DESCRIPTION	QTY
FE-4325	Track Ride Bumper	2
FS-1413-C	Track Ride Center Support Bracket	1
FS-1413-R	Track Ride Support R5	2
GE-4312	Track Ride End Casting	2
LE-4159-20	Track Ride Beam 240"	1
S-1413-HND	Track Ride Handle	1
455111	Nutsert 3/8 x .805	4
9103052-TR	Bolt Button Head 3/8" x 1"	8
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	2
9122052	Bolt Hex 5/16" x 1"	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9332032	Washer Flat 5/16"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	10
9345002	Washer Flat SAE 1/2"	12
9443022-TR	Nut Barrel 3/8" x 5/8" BH	4



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Parts List

R5 Dual Track Ride		
Part #	DESCRIPTION	QTY
GF-7006-B	Mounting Block R5 Bottom	8
GF-7006-T	Mounting Block R5 Top	8
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	8
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	8
9345002	Washer Flat SAE 1/2"	16
9443092-TR	Nut Barrel 3/8" x 2" BH	8

Assembled Parts List

R5 Dual Track Ride		
Part #	DESCRIPTION	QTY
FE-4325	Track Ride Bumper	4
FS-1413-R48-L	Track Ride Support 48 R5 - Left	2
FS-1413-R48-R	Track Ride Support 48 R5 - Right	2
GE-4312	Track Ride End Casting	4
LE-4159-10	Track Ride Beam 120"	2
S-1413-HND	Track Ride Handle	2
455111	Nutsert 3/8 x .805	4
9103052-TR	Bolt Button Head 3/8" x 1"	16
9122052	Bolt Hex 5/16" x 1"	8
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	8
9332032	Washer Flat 5/16"	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	16
9345002	Washer Flat SAE 1/2"	24
9443022-TR	Nut Barrel 3/8" x 5/8" BH	8

Parts List

R5 Dual Track Ride with Support		
Part #	DESCRIPTION	QTY
FS-1413-SUP	Track Ride Mid Support	2
GF-7006-B	Mounting Block R5 Bottom	8
GF-7006-T	Mounting Block R5 Top	8
9103052-TR	Bolt Button Head 3/8" x 1"	2
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	8
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	2
9345002	Washer Flat SAE 1/2"	18
9443022-TR	Nut Barrel 3/8" x 5/8" BH	2
9443092-TR	Nut Barrel 3/8" x 2" BH	8

Assembled Parts List

R5 Dual Track Ride with Support		
Part #	DESCRIPTION	QTY
FE-4325	Track Ride Bumper	4
FS-1413-C	Track Ride Center Support Bracket	2
FS-1413-R48-L	Track Ride Support 48 R5 - Left	2
FS-1413-R48-R	Track Ride Support 48 R5 - Right	2
GE-4312	Track Ride End Casting	4
LE-4159-20	Track Ride Beam 240"	2
S-1413-HND	Track Ride Handle	2
455111	Nutsert 3/8 x .805	8
9103052-TR	Bolt Button Head 3/8" x 1"	16
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	4
9122052	Bolt Hex 5/16" x 1"	8
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	8
9332032	Washer Flat 5/16"	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	20
9345002	Washer Flat SAE 1/2"	24
9443022-TR	Nut Barrel 3/8" x 5/8" BH	8



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Parts List

RV Single Track Ride		
Part #	DESCRIPTION	QTY
S-21004-DBLD	Event Hanger Double Down Assembly	1
S-21004-DN	Event Hanger Down Assembly	1
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	2
9263012-TR	3/8" x 1/2" Socket Set Screw	2
9345002	Washer Flat SAE 1/2"	4
9443062-TR	Nut Barrel 3/8" x 1-3/8" BH	2

Assembled Parts List

RV Single Track Ride		
Part #	DESCRIPTION	QTY
FE-4325	Track Ride Bumper	2
FS-1413-MNT	Track Ride Mount RV	2
GE-4312	Track Ride End Casting	2
LH-4159-8	Track Ride Beam 96" RV	1
S-1413-HND	Track Ride Handle	1
9103052-TR	Bolt Button Head 3/8" x 1"	6
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	4
9122052	Bolt Hex 5/16" x 1"	4
9332032	Washer Flat 5/16"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	14
9413002	Nut Lock 3/8"	4

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.

Specifications

TRACK RIDE BEAM:

Shall be hot-extruded from a high strength aluminum alloy and will have a multi-stage baked-on powder coat finish.

TRACK RIDE MID SUPPORT:

Shall be fabricated using 1.900" O.D. 11 gauge steel tubing with welded 1/2" thick steel mounting tab and will have a multi-stage baked-on powder coat finish.

TRACK RIDE SUPPORT:

Shall be fabricated using 2" x 3" x .120" Rec T.S. with welded 1/4" thick steel clevises and will have a multi-stage baked-on powder coat finish.

TRACK RIDE MOUNT RV:

Shall be fabricated using 2.375" O.D. 11 gauge steel tubing with welded 1/4" thick steel mounting plate and stainless steel housing and will have a multi-stage baked-on powder coat finish.

TRACK RIDE CENTER SUPPORT BRACKET

Shall be fabricated using 1/4" thick sheet steel with welded 1/2" thick steel mounting tab and will have a multi-stage baked-on powder coat finish.

MOUNTING BLOCKS, TRACK RIDE END CASTING, BRAKE CASTING & SKATE CASTING:

Shall be precision die-cast from a high strength aluminum alloy and will have a multi-stage baked-on powder coat finish.

TRACK RIDE HANDLE:

Shall be fabricated using 1.029" O.D. 14 gauge galvanized steel tubing and 1" O.D. AISI bar stock and will be dipped in thermoplastic coating.

TRACK RIDE BUMPER:

Shall be injection-molded from commercial grade rubber.

TRACK RIDE SPACERS:

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

TRACK RIDE SKATE WHEEL:

Shall be machined from high-density urethane.

TRACK RIDE GUIDE WHEEL:

Shall be machined from nylon.

HARDWARE:

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

