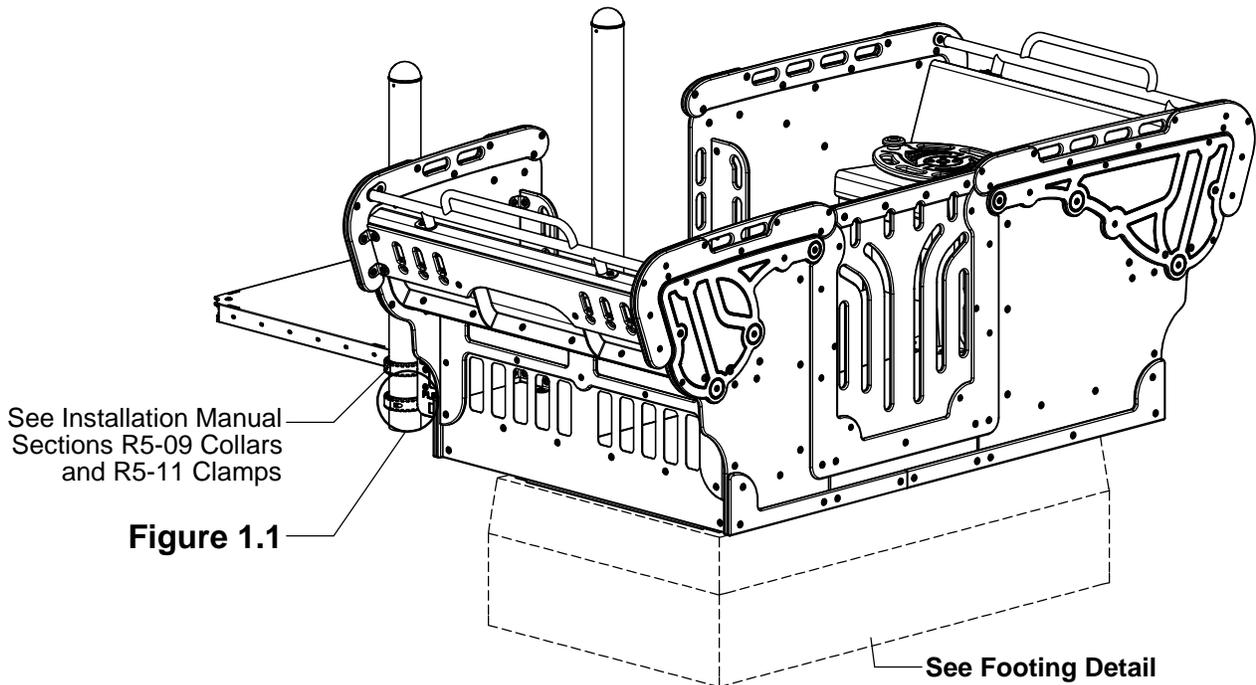


IMPORTANT NOTES: Read First

- (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) Concrete must be allowed to cure completely before installing the equipment (at least 72 hours).
- (C) Refer to Installation Manual for R5-09 Collars and R5-11 Socket Clamps installation instructions.
- (D) Follow the installation procedure for expansion anchors (min. 1/2" x 5-1/2") as provided by the manufacturer. Expansion anchors and hardware are not included with assembly.
- (E) **Important:** Gap between Trans-Glide Deck and Transition Deck must be between 1-1/8" [29mm] to 1-1/4" [32mm]. The top of Trans-Glide Deck to top of Transition Deck must be flush \pm 1/4" [6mm].
- (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.

**FIGURE 1
Trans-Glide**



See Installation Manual
Sections R5-09 Collars
and R5-11 Clamps

Figure 1.1

See Footing Detail

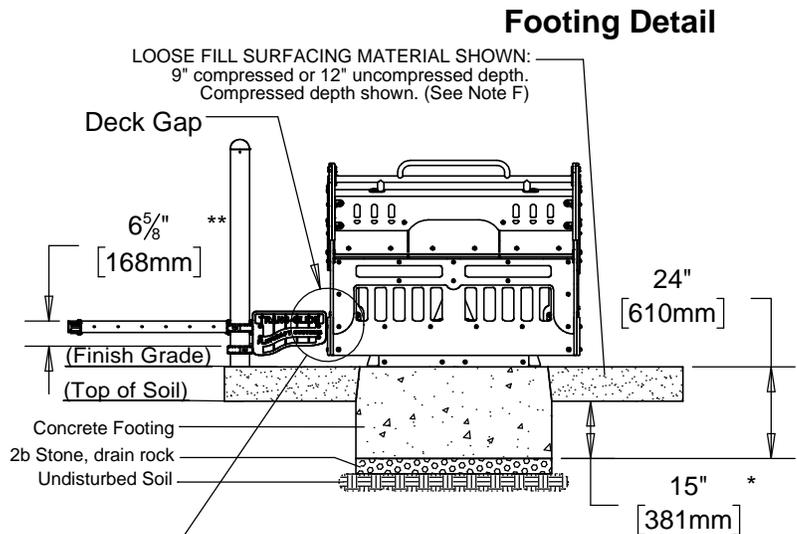
Step 1

Refer to Footing Layout and mark footing hole location. Dig (1) 86-5/8" x 51-1/4" footing hole. Refer to Footing Detail for depth and details. Pour concrete into footing hole. (See Note B)

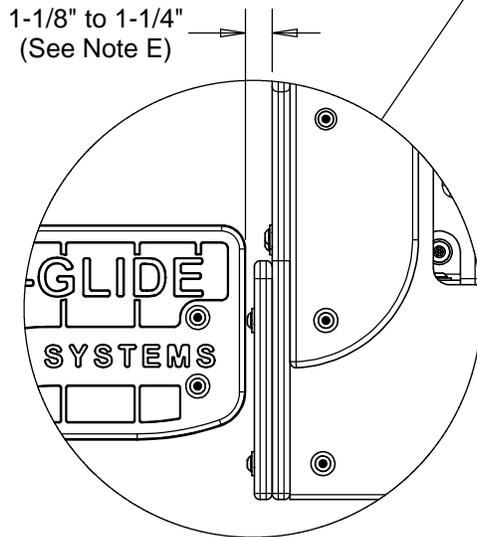
IMPORTANT: For areas with soft soil conditions, larger footings may be required.

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

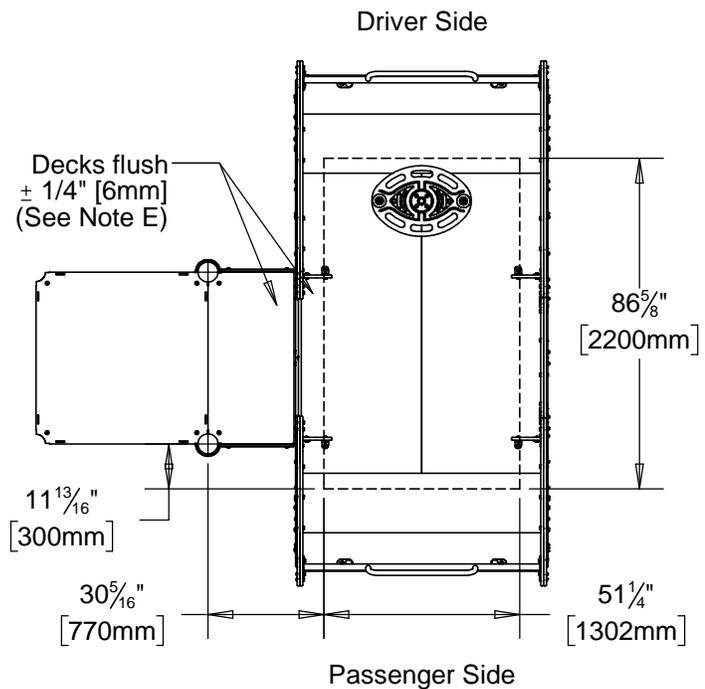
** Height shown from top of deck to top of collar.



Detail View - Deck Gap



Top View - Footing Layout



Step 3 (Factory Assembled)

Press Sealed Ball Bearings into Track Wheels and attach to Wheel Hubs as shown in Figure 2.

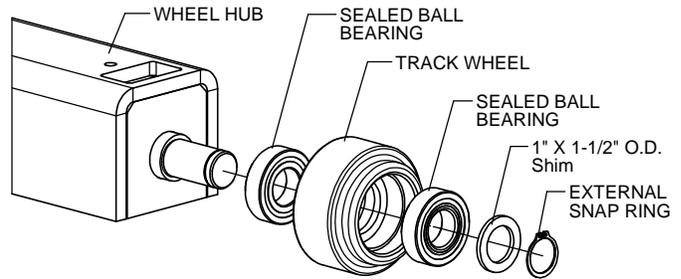


FIGURE 2

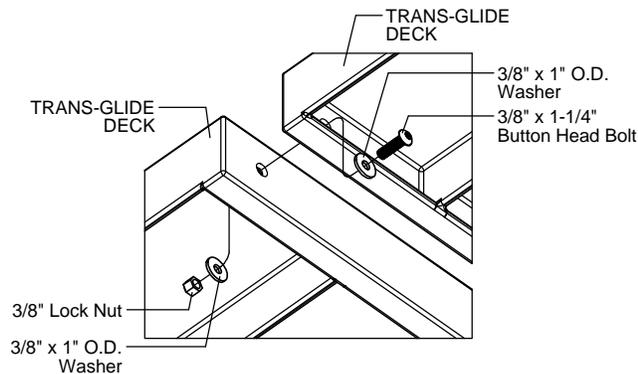


FIGURE 3

Step 4 (Factory Assembled)

Attach Trans-Glide Decks together as shown in Figure 3. (See Note A)

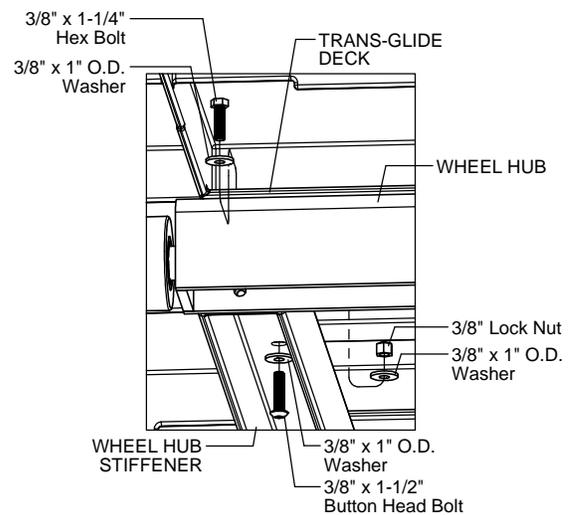


FIGURE 4

Step 5 (Factory Assembled)

Attach Trans-Glide Decks to Wheel Hubs and Stiffeners as shown in Figure 4. (See Note A)

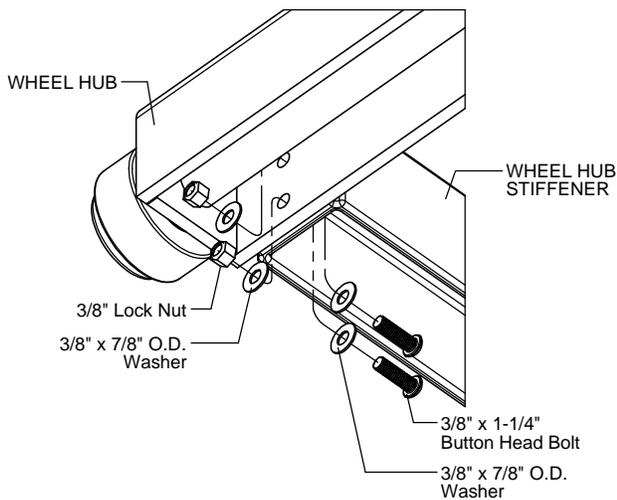


FIGURE 5

Step 6 (Factory Assembled)

Attach Wheel Hub Stiffeners to Wheel Hubs as shown in Figure 5. (See Note A)

Step 7 (Factory Assembled)

Install Nutserts to Trans-Glide Base as shown in Figure 6. (See Note A)

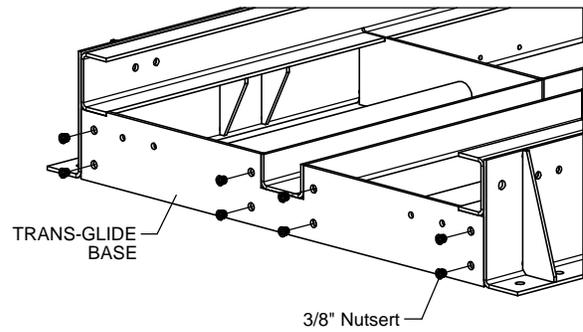


FIGURE 6

Step 8 (Factory Assembled)

Slide Trans-Glide Deck into Base and attach Bumpers to Trans-Glide Base as shown in Figure 7. (See Note A)

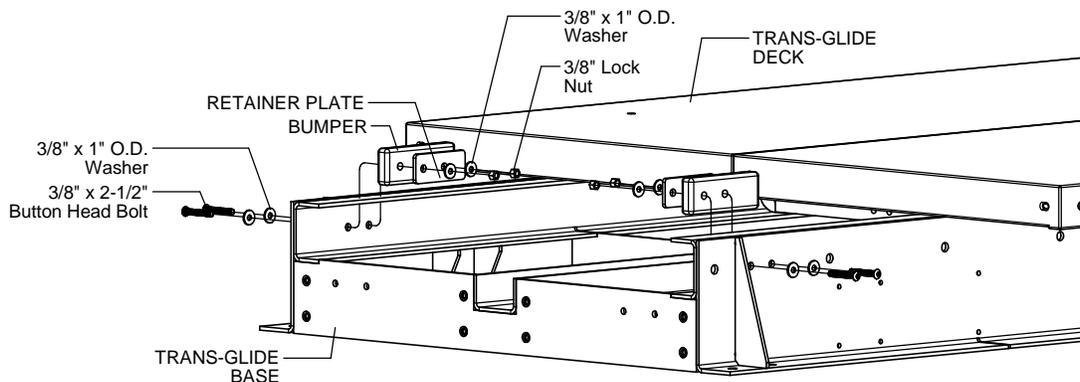


FIGURE 7

Step 9 (Factory Assembled)

Attach Torsion Spring, Caps and Arm to Torsion Bracket as shown in Figure 8. (See Note A)

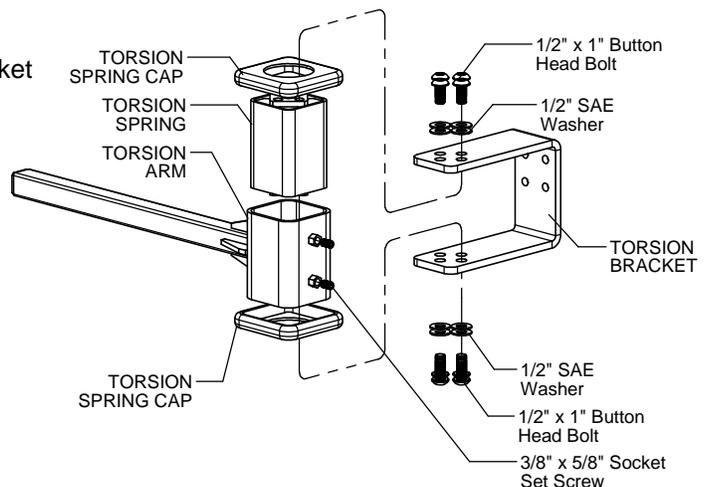


FIGURE 8

Step 10 (Factory Assembled)

Attach Torsion Bracket to Passenger Side Wheel Hub as shown in Figure 9. (See Note A)

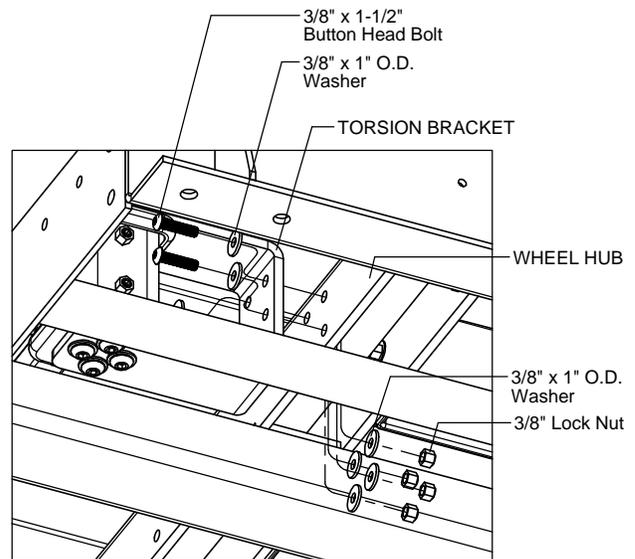


FIGURE 9

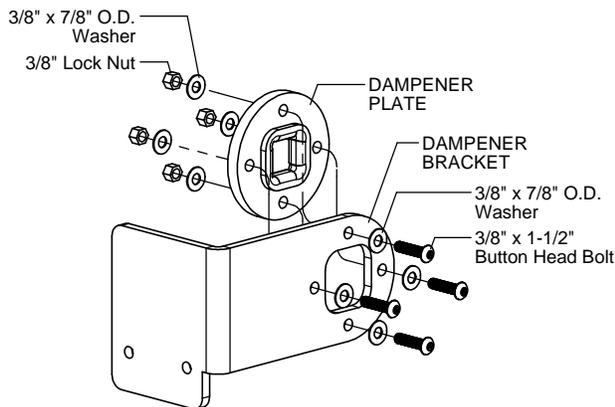


FIGURE 10

Step 11 (Factory Assembled)

Attach Dampener Plate to Dampener Bracket as shown in Figure 10. (See Note A)

Step 12 (Factory Assembled)

Insert Torsion Arm into Dampener Plate and attach Dampener Bracket to Trans-Glide Base as shown in Figure 11. (See Note A)

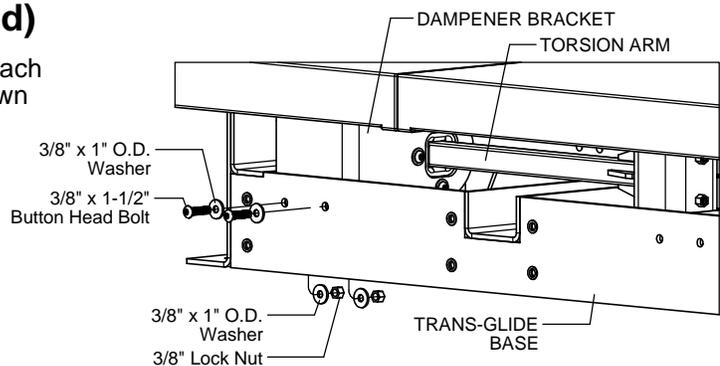


FIGURE 11

Step 13 (Factory Assembled)

Assemble Grips to Trans-Glide Handle and attach to Driveshaft as shown in Figure 12. (See Note A)

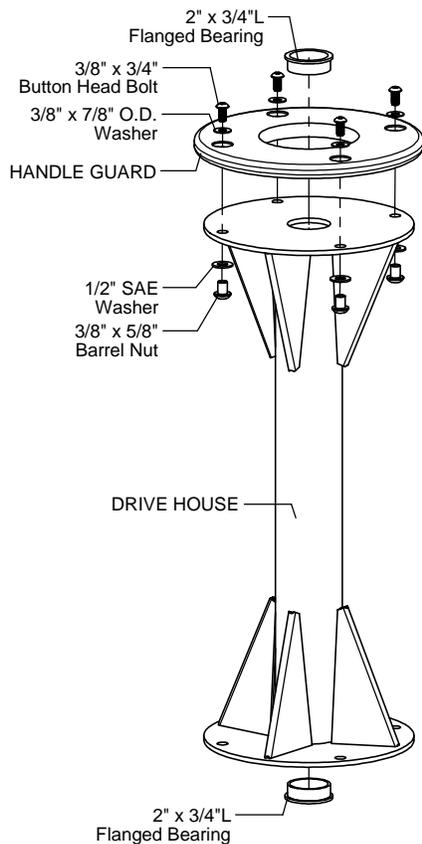


FIGURE 13

Step 15 (Factory Assembled)

Press Bearings into Drive Arm, Drive Plate, and Driveshaft Bracket as shown in Figure 14.

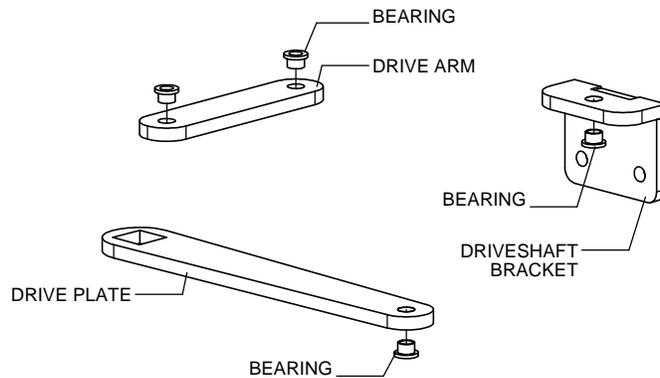


FIGURE 14

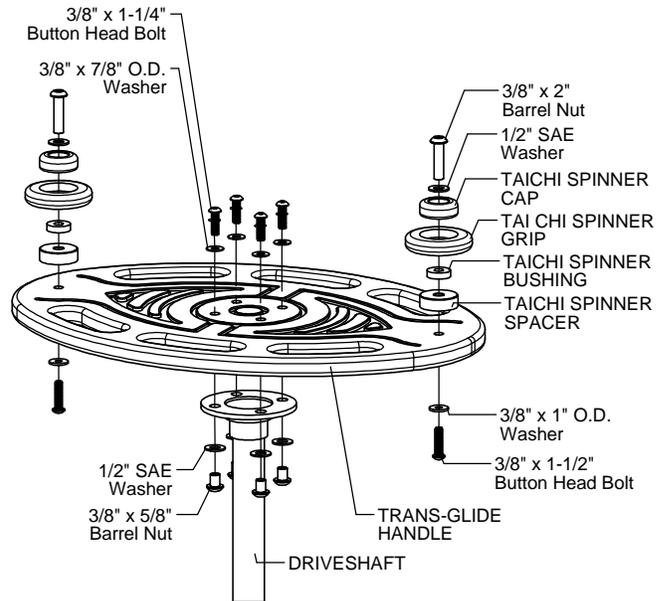


FIGURE 12

Step 14 (Factory Assembled)

Press Bearings into Drive House and attach Handle Guard as shown in Figure 13. (See Note A)

Step 16 (Factory Assembled)

Attach Back Accents to Back Side Panels as shown in Figure 15. (See Note A)

NOTE: Back Right Side Panel shown.

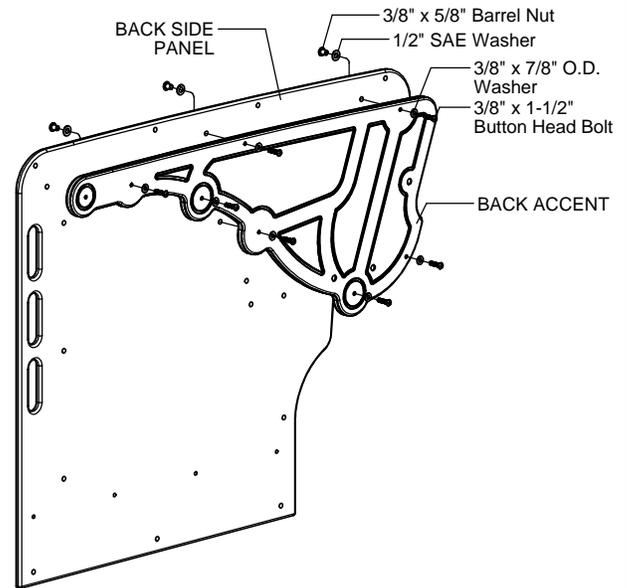


FIGURE 15

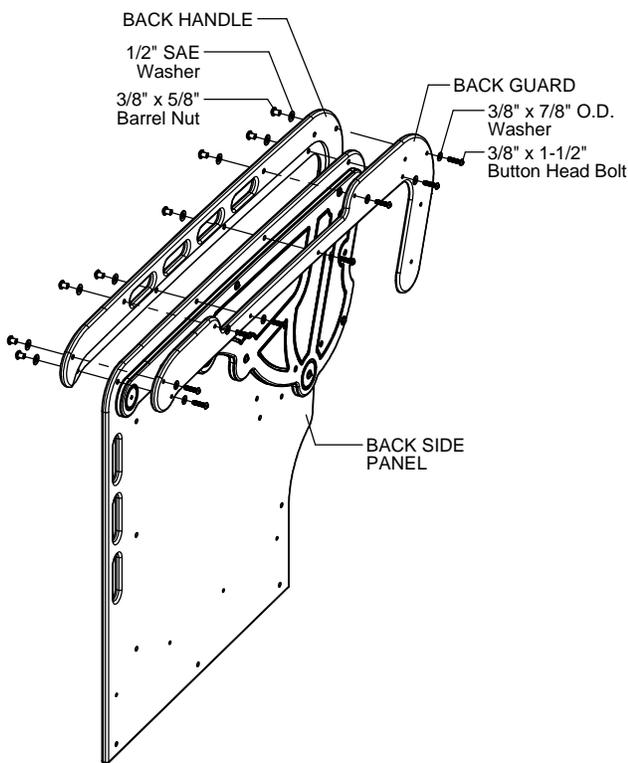


FIGURE 16

Step 17 (Factory Assembled)

Attach Back Handles and Guards to Back Side Panels as shown in Figure 16. (See Note A)

NOTE: Back Right Side Panel shown.

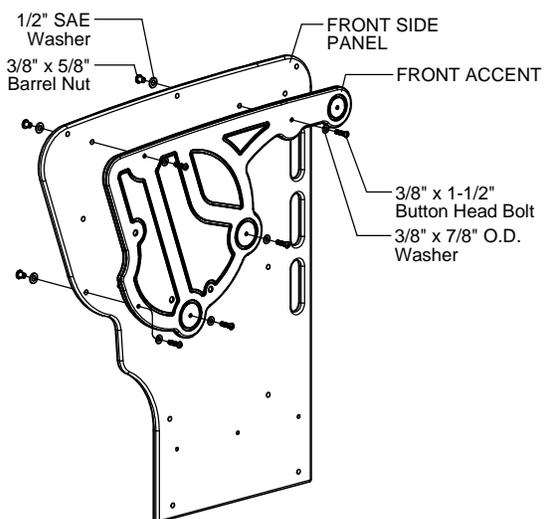


FIGURE 17

Step 18 (Factory Assembled)

Attach Front Accents to Front Side Panels as shown in Figure 17. (See Note A)

NOTE: Front Right Side Panel shown.

Step 19 (Factory Assembled)

Attach Front Handles and Guards to Front Side Panels as shown in Figure 18. (See Note A)

NOTE: Front Right Side Panel shown.

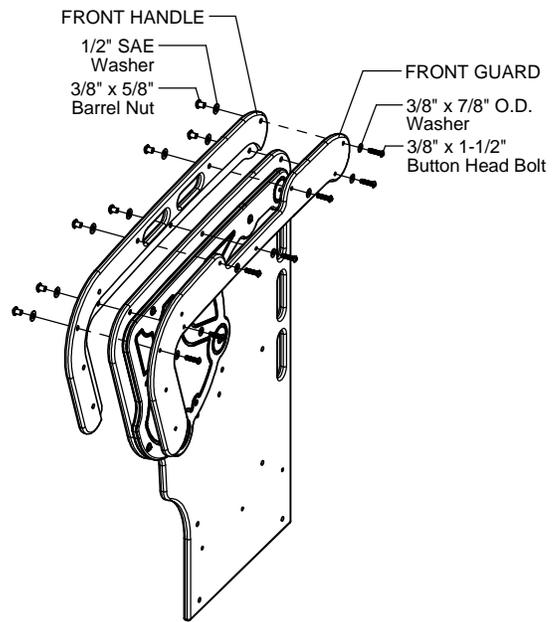


FIGURE 18

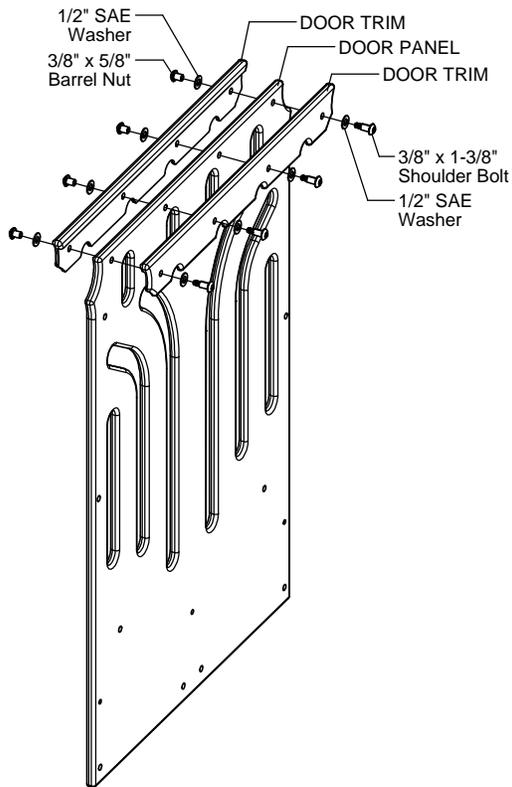


FIGURE 19

Step 20 (Factory Assembled)

Attach Door Trim to Door Panel as shown in Figure 19. (See Note A)

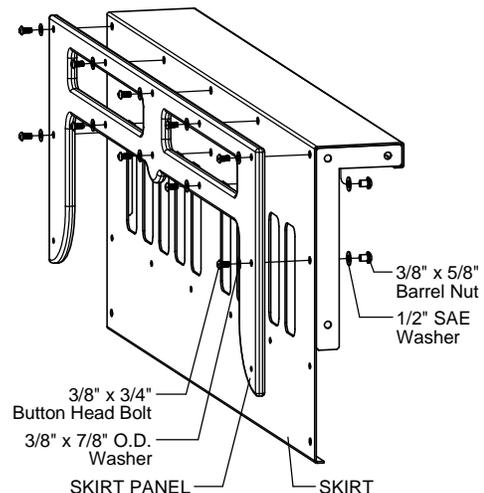


FIGURE 20

Step 21 (Factory Assembled)

Attach Skirt Panels to Skirts as shown in Figure 20. (See Note A)

Step 22 (Factory Assembled)

Insert Driveshaft into Drive House and attach Snap Ring. Attach Drive Plate to Driveshaft as shown in Figure 21. (See Note A)

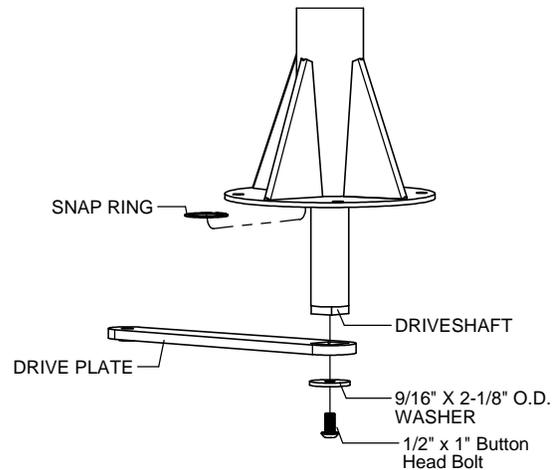


FIGURE 21

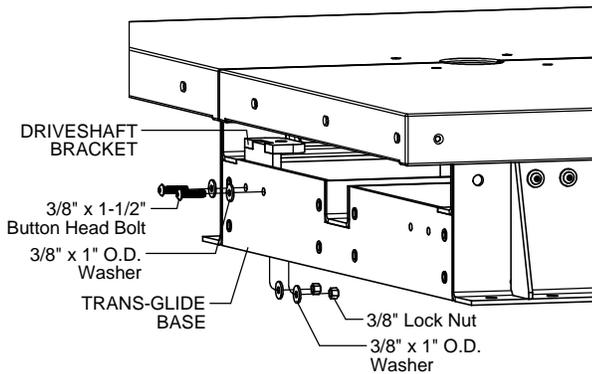


FIGURE 22

Step 23 (Factory Assembled)

Attach Driveshaft Bracket to Trans-Glide Base as shown in Figure 22. (See Note A)

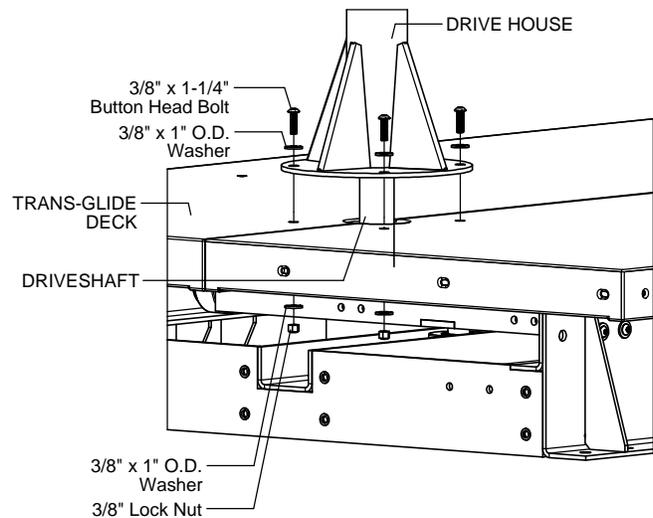


FIGURE 23

Step 24

Attach Drive House to Trans-Glide Decks as shown in Figure 23. (See Note A)

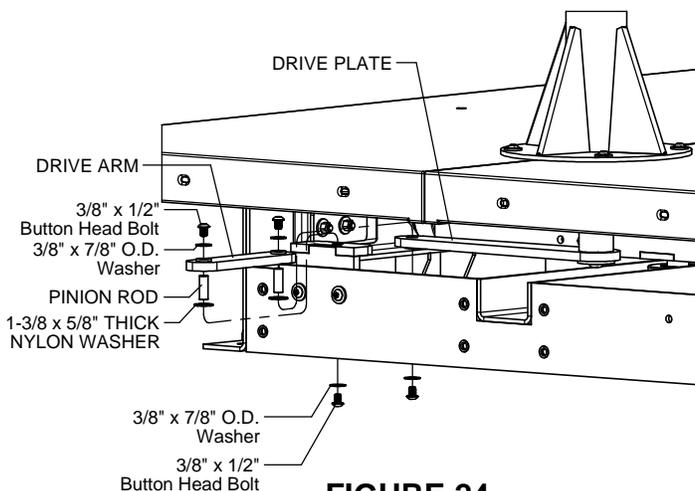


FIGURE 24

Step 25

Attach Drive Arm to Drive Plate and Driveshaft Bracket as shown in Figure 24. (See Note A)

Step 26

Attach Trans-Glide Transition Deck to collars as shown in Figure 25. (See Note A)

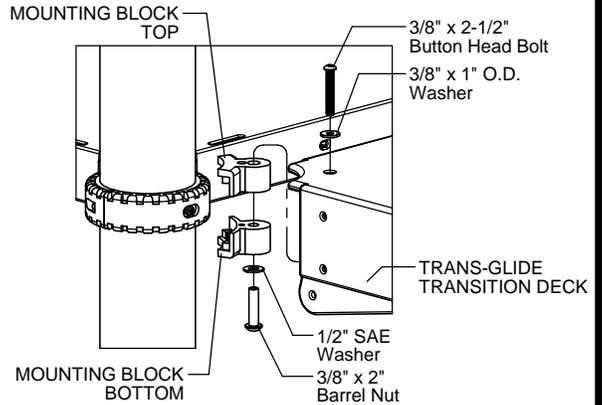


FIGURE 25

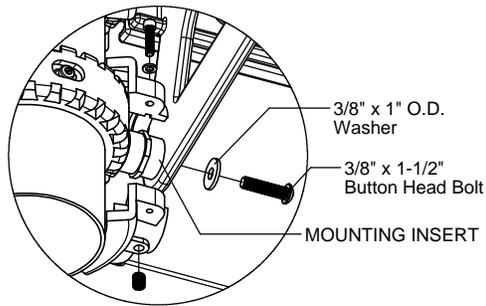


Figure 1.1

Step 27

Locate and attach collars to posts at heights shown in Footing Detail. Attach Trans-Glide Transition Deck to collars as shown in Figure 1.1. (See Notes A & C)

Step 28

Attach Trans-Glide Transition Deck to deck as shown in Figure 26. (See Note A)

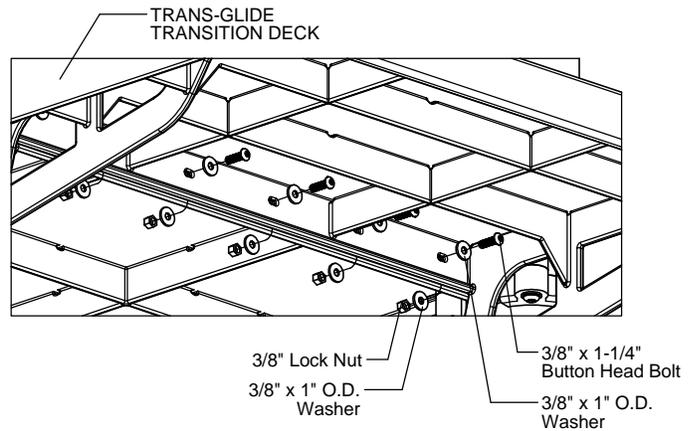


FIGURE 26

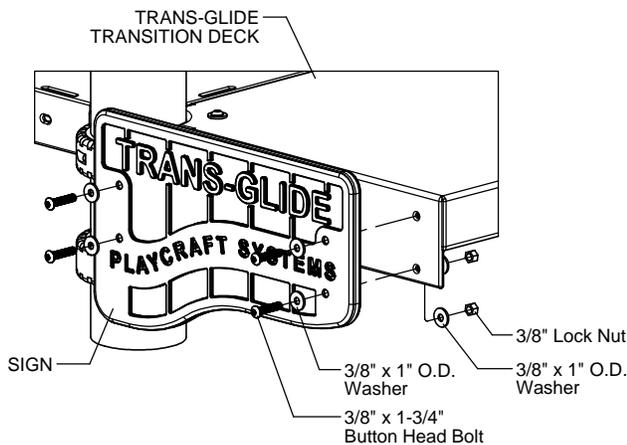


FIGURE 27

Step 29

Attach Signs to Trans-Glide Transition Deck as shown in Figure 27. (See Note A)

Step 30

Attach Base Caps to Trans-Glide Base as shown in Figure 28.

NOTE: Do not use liquid thread lock.
(such as Loctite®)

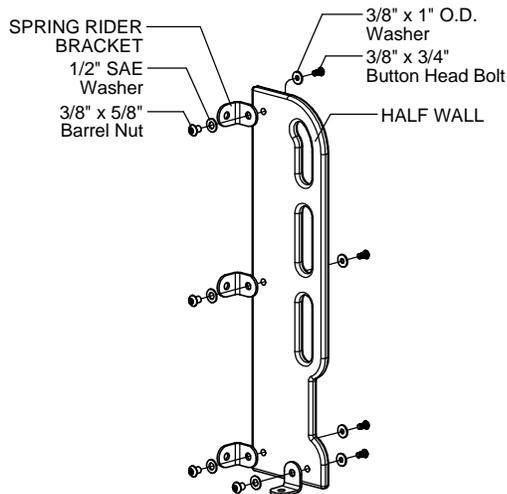


FIGURE 29

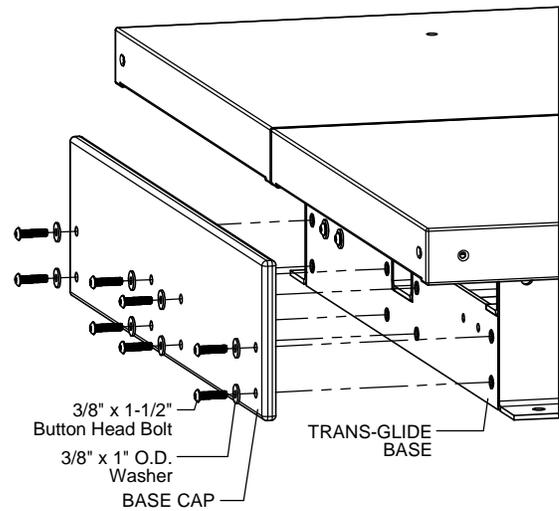


FIGURE 28

Step 31

Attach Spring Rider Brackets to Half Walls as shown in Figure 29. (See Note A)

Step 32

Attach Half Walls to Trans-Glide Decks as shown in Figure 30. (See Note A)

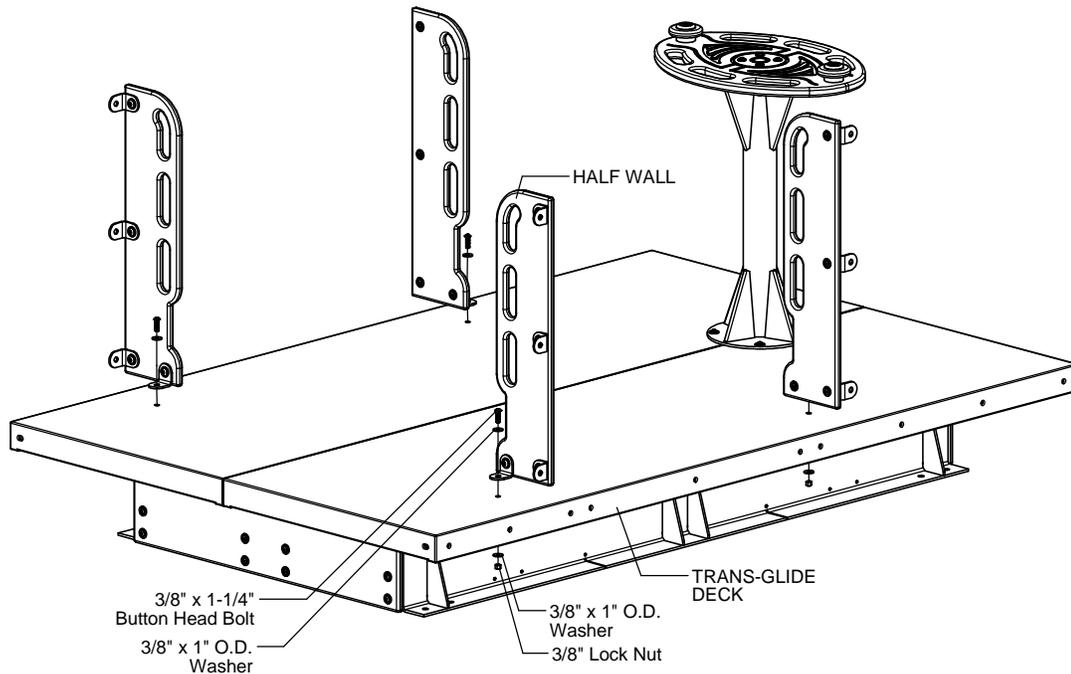


FIGURE 30

Step 33

Attach Back and Front Side Panels and Deck Spacer to Trans-Glide Deck as shown in Figure 31. (See Note A)

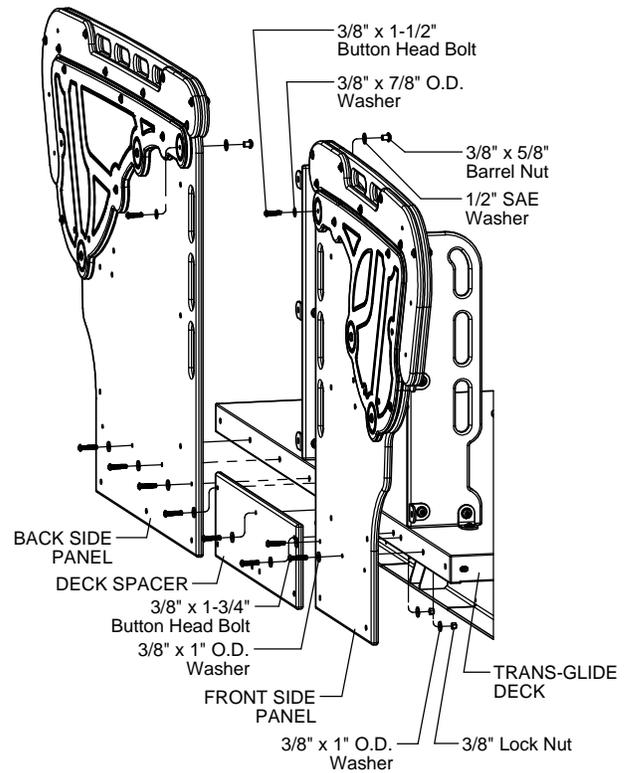


FIGURE 31

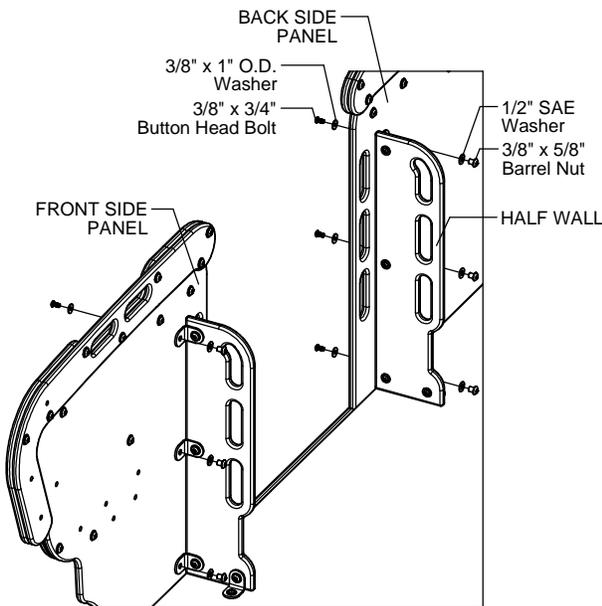


FIGURE 32

Step 34

Attach Back and Front Side Panels to Half Walls as shown in Figure 32. (See Note A)

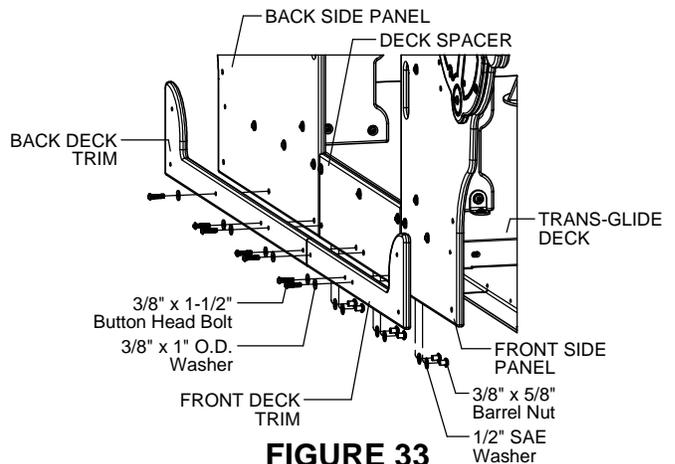


FIGURE 33

Step 35

Attach Back and Front Side Trim to Panels and Trans-Glide Deck as shown in Figure 33. (See Note A)

Step 36

Attach Back and Front Side Panels and Door to Trans-Glide Deck as shown in Figure 34. (See Note A)

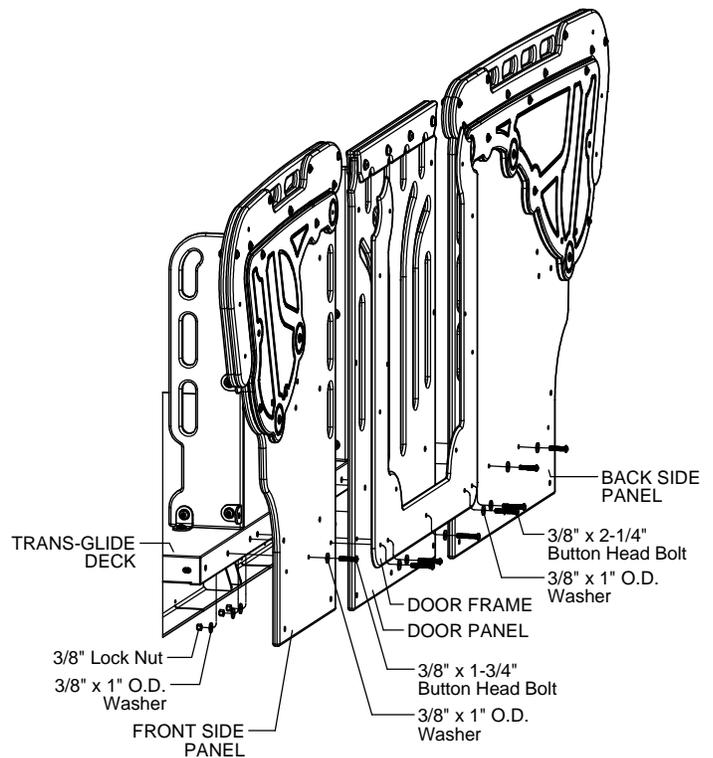


FIGURE 34

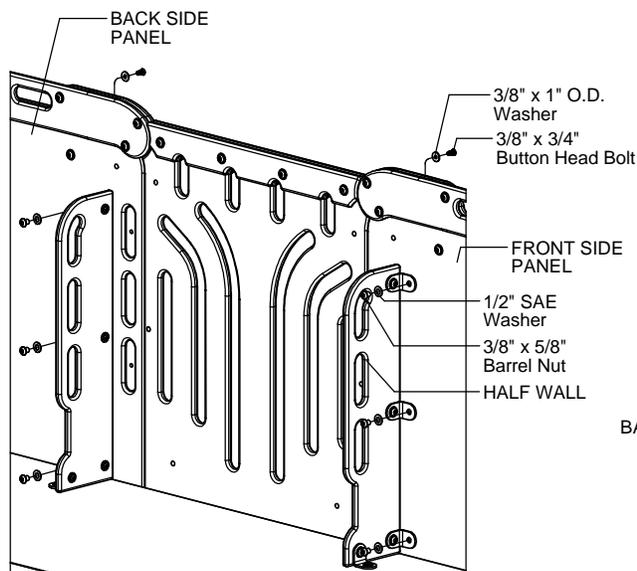


FIGURE 35

Step 37

Attach Back and Front Side Panels to Half Walls as shown in Figure 35. (See Note A)

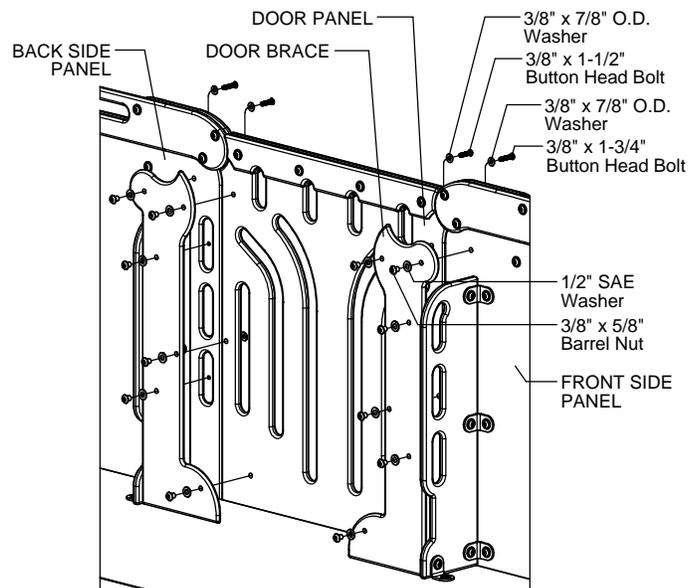


FIGURE 36

Step 38

Attach Door Braces to Door, Back, and Front Panels as shown in Figure 36. (See Note A)

Step 39

Attach Back and Front Deck Trim to Panels and Trans-Glide Deck as shown in Figure 37. (See Note A)

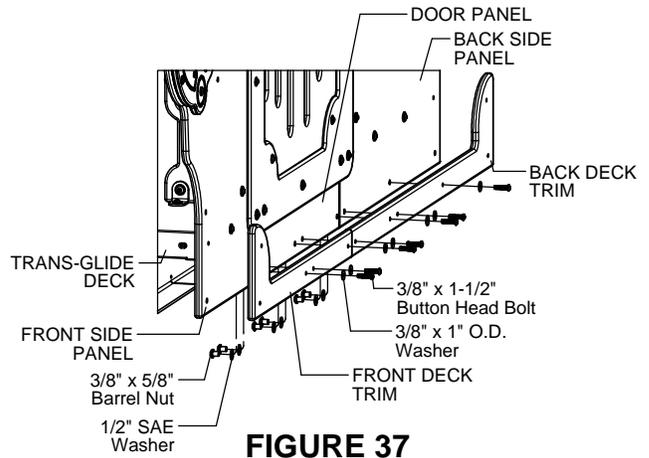


FIGURE 37

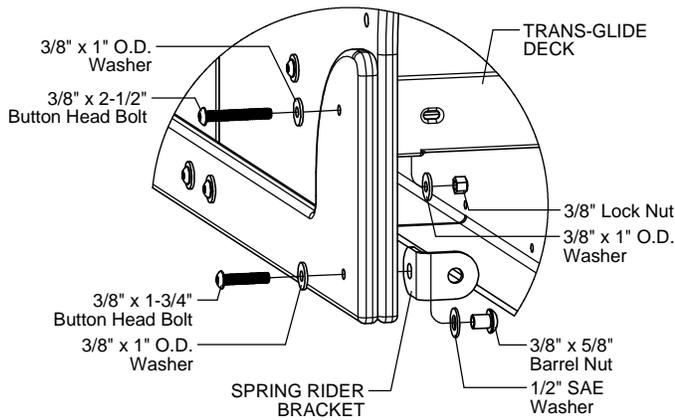


FIGURE 38

Step 40

Attach Spring Rider Brackets to Deck Trim and Deck Trim to Trans-Glide Deck as shown in Figure 38. (See Note A)

Step 41

Attach Bench Backs to Bench Seats as shown in Figure 39. (See Note A)

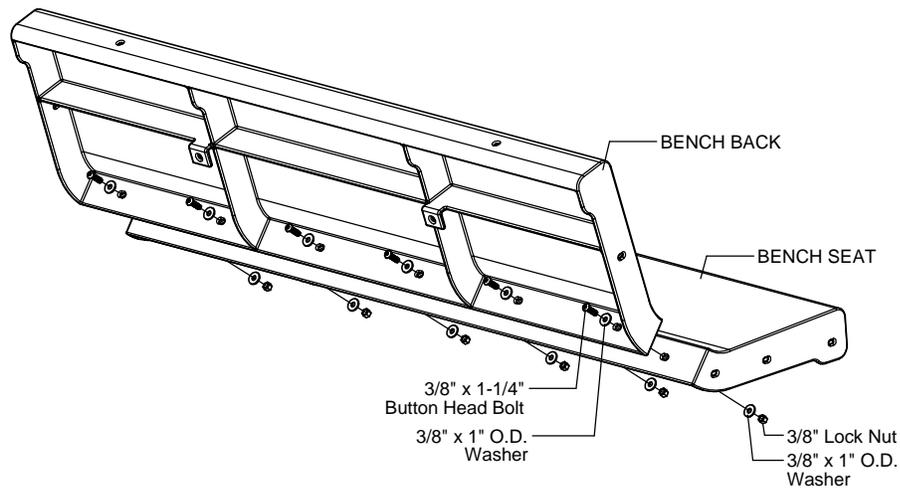


FIGURE 39

Step 42

Attach Bench Backs and Seats to Side Panels as shown in Figure 40. (See Note A)

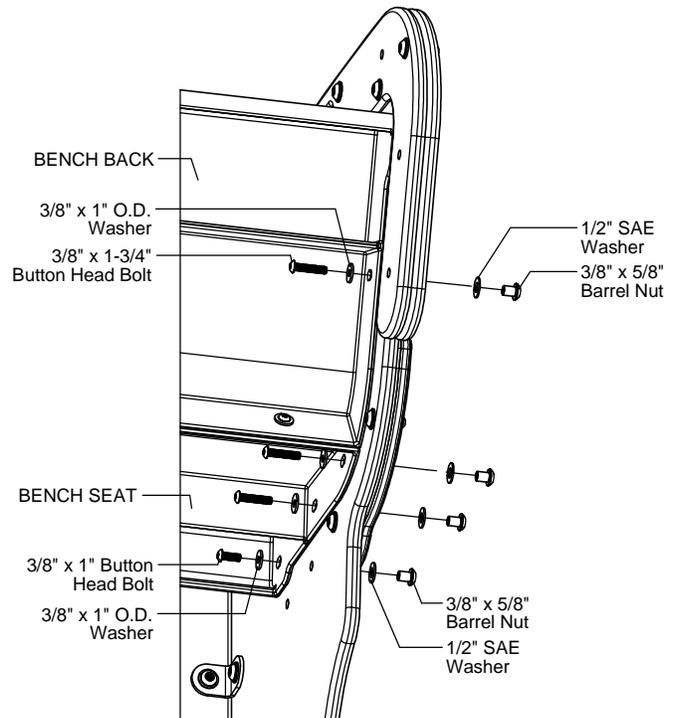


FIGURE 40

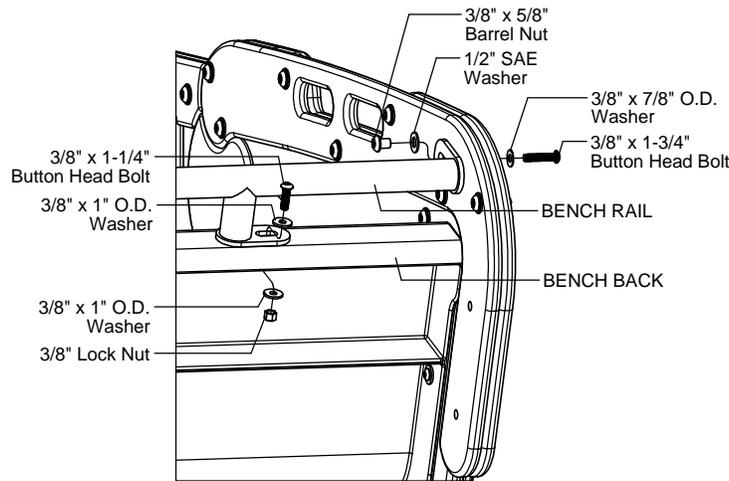


FIGURE 41

Step 43

Attach Bench Rails to Bench Backs and Side Panels as shown in Figure 41. (See Note A)

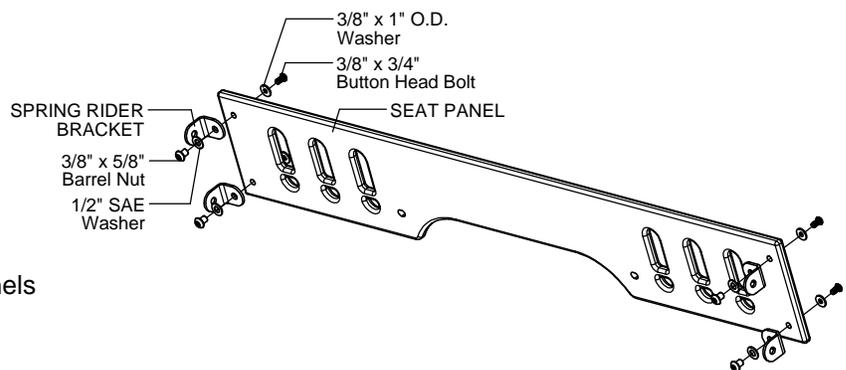


FIGURE 42

Step 44

Attach Spring Rider Brackets to Seat Panels as shown in Figure 42. (See Note A)

Step 45

Attach Seat Panels to Bench Backs and Side Panels as shown in Figure 43. (See Note A)

Step 46

Using the Trans-Glide Base as a template locate and mark anchor hole locations. Install Expansion Anchors. (See Notes B, D & E)

IMPORTANT: Refer to Detail View Deck Gap and Top View Footing Layout.

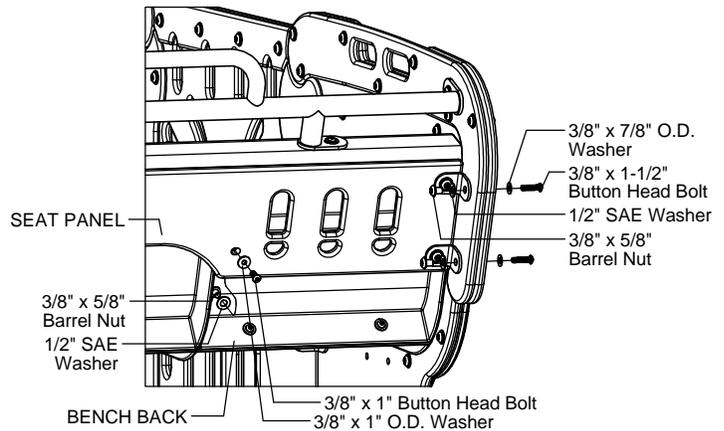


FIGURE 43

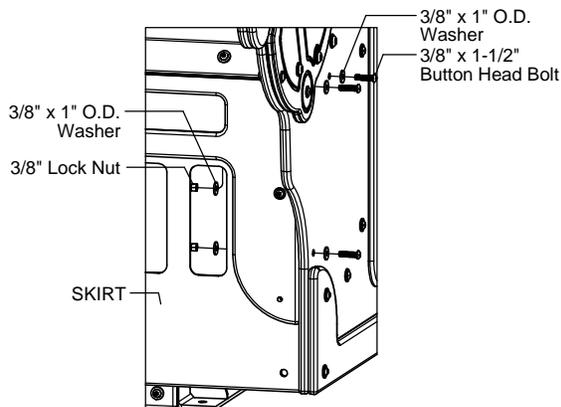


FIGURE 44

Step 49

Attach Skirts to Trans-Glide Decks and Side Panels as shown in Figure 45.

NOTE: Do not use liquid thread lock. (such as Loctite[®])

Step 50

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

WARNING: The Required gap must be verified prior to using. Refer to Detail View Deck Gap and Top View Footing Layout.

Step 51

Place required protective surfacing under and around Trans-Glide Assembly. (See Note F)

Step 47

Attach Trans-Glide Assembly to Expansion Anchors. (See Notes B, D & E)

WARNING: The Required gap must be verified prior to using. Refer to Detail View Deck Gap and Top View Footing Layout.

Step 48

Attach Skirts to Side Panels as shown in Figure 44.

NOTE: Do not use liquid thread lock. (such as Loctite[®])

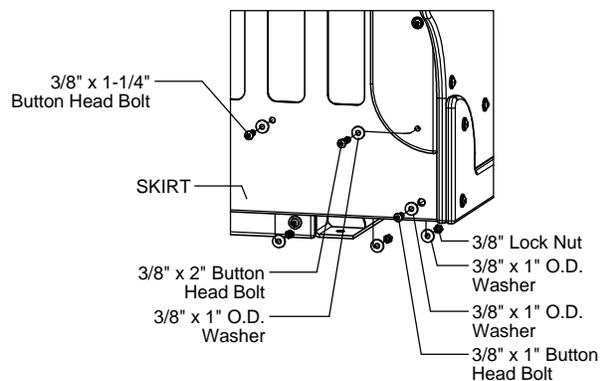


FIGURE 45

TRANS-GLIDE ASSEMBLY INSTALLATION INSTRUCTIONS

1975
Page 17 of 19

Assembled Parts List

| Part # | DESCRIPTION | QTY |
|--------------|--|-----|
| AE-0425 | Trans-Glide Drive Plate | 1 |
| AE-0426 | Trans-Glide Drive Arm | 1 |
| AE-0452 | 2" x 3-1/2" Retainer Plate | 4 |
| AE-0453 | 2-1/8" Dia. Pipe Plug - 9/16" Hole | 1 |
| BE-0418 | Trans-Glide Wheel Hub Stiffener | 4 |
| BE-0419 | Trans-Glide Torsion Bracket | 1 |
| BE-0420 | Trans-Glide Dampener Bracket | 1 |
| CE-0445 | Trans-Glide Bench Skirt | 2 |
| CE-0447-L | Trans-Glide Left Deck | 1 |
| CE-0447-R | Trans-Glide Right Deck | 1 |
| ED-0013-KB | Tai Chi Spinner Knob Bushing | 2 |
| ED-0013-KC | Tai Chi Spinner Knob Cap | 2 |
| ED-0013-KG | Tai Chi Spinner Knob Grip | 2 |
| ED-0013-KS | Tai Chi Spinner Knob Spacer | 2 |
| EE-0145 | Square Torsion Spring Cap | 2 |
| EE-0235-BSP | Trans-Glide Back Side Panel | 2 |
| EE-0235-DOOR | Trans-Glide Door Panel | 1 |
| EE-0235-FSP | Trans-Glide Front Side Panel | 2 |
| EE-0236-BGL | Trans-Glide Back Guard Left | 1 |
| EE-0236-BGR | Trans-Glide Back Guard Right | 1 |
| EE-0236-BHL | Trans-Glide Back Handle Left | 1 |
| EE-0236-BHR | Trans-Glide Back Handle Right | 1 |
| EE-0236-DT | Trans-Glide Door Trim | 2 |
| EE-0236-FGL | Trans-Glide Front Guard Left | 1 |
| EE-0236-FGR | Trans-Glide Front Guard Right | 1 |
| EE-0236-FHL | Trans-Glide Front Handle Left | 1 |
| EE-0236-FHR | Trans-Glide Front Handle Right | 1 |
| EE-0236-SKT | Trans-Glide Skirt Panel | 2 |
| EE-0237-BLA | Trans-Glide Back Left Accent | 1 |
| EE-0237-BRA | Trans-Glide Back Right Accent | 1 |
| EE-0237-FLA | Trans-Glide Front Left Accent | 1 |
| EE-0237-FRA | Trans-Glide Front Right Accent | 1 |
| EE-0238 | Trans-Glide Handle Guard | 1 |
| EE-0239 | Trans-Glide Handle | 1 |
| FS-1975-ARM | Trans-Glide Torsion Arm | 1 |
| FS-1975-BASE | Trans-Glide Base | 1 |
| FS-1975-DRV | Trans-Glide Driveshaft | 1 |
| FS-1975-DSB | Trans-Glide Driveshaft Bracket | 1 |
| FS-1975-HSE | Trans-Glide Drive House | 1 |
| FS-1975-HUB | Trans-Glide Wheel Hub | 2 |
| HE-0004 | 50 x 120 Torsion Spring | 1 |
| HE-0043 | Trans-Glide Bumper | 4 |
| IE-0033 | Trans-Glide Track Wheel | 6 |
| EE-0256 | Trans-Glide Dampener Plate | 1 |
| 455111 | Nutsert 3/8 x .805 | 16 |
| 480314 | Shim 1" X 1-1/2" O.D. | 6 |
| 480320 | External Snap Ring | 1 |
| 481100-2 | 2" O.D. x 9/16" Double-Sealed Ball Bearing 1" I.D. | 12 |
| 482100 | 1" I.D. External Snap Ring | 6 |
| 561212 | 1/2" x 1/2"L Flanged Bearing | 4 |

| Part # | DESCRIPTION | QTY |
|------------|--|-----|
| 561234 | 2" x 3/4"L Flanged Bearing | 2 |
| 9103032-TR | Bolt Button Head 3/8" x 3/4" | 24 |
| 9103062-TR | Bolt Button Head 3/8" x 1-1/4" | 28 |
| 9103072-TR | Bolt Button Head 3/8" x 1-1/2" | 76 |
| 9103112-TR | Bolt Button Head 3/8" x 2-1/2" | 8 |
| 9105052 | Bolt Button Head 1/2" x 1" | 9 |
| 9123062 | Bolt Hex 3/8 x 1-1/4" | 8 |
| 9143062-TR | Bolt Shoulder 3/8" x 1-3/8" BH | 4 |
| 9263022 | Screw Soc Set 3/8" x 5/8" | 2 |
| 9333002 | Washer Flat 3/8" x 1" O.D. x .100" thick | 74 |
| 9333042 | Washer Flat 3/8" x 7/8" O.D. | 122 |
| 9345002 | Washer Flat SAE 1/2" | 100 |
| 9413002 | Nut Lock 3/8" | 52 |
| 9443022-TR | Nut Barrel 3/8" x 5/8" BH | 86 |
| 9443092-TR | Nut Barrel 3/8" x 2" BH | 2 |

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.



Manufactured by Krauss Craft, Inc.
www.playcraftsystems.com

For Customer Service Call
800.333.8519 (U.S.A.) or
541.955.9199 (International)

Rev B
10/13/2016

Parts List

| Part # | DESCRIPTION | QTY |
|--------------|--|-----|
| BE-4466 | Spring Rider Bracket | 28 |
| CE-0444-B | Trans-Glide Bench - Back | 2 |
| CE-0444-S | Trans-Glide Bench - Seat | 2 |
| CF-0446 | Trans-Glide Transition Deck R5 | 1 |
| EE-0235-HW | Trans-Glide Half Wall | 4 |
| EE-0235-SPC | Trans-Glide Deck Spacer | 1 |
| EE-0236-BDT | Trans-Glide Back Deck Trim | 2 |
| EE-0236-DBL | Trans-Glide Door Brace Left | 1 |
| EE-0236-DBR | Trans-Glide Door Brace Right | 1 |
| EE-0236-DFM | Trans-Glide Door Frame | 1 |
| EE-0236-FDT | Trans-Glide Front Deck Trim | 2 |
| EE-0236-SEAT | Trans-Glide Seat Panel | 2 |
| EE-0240 | Trans-Glide Base Cap | 2 |
| EE-0251-L | Trans-Glide Sign - Left | 1 |
| EE-0251-R | Trans-Glide Sign - Right | 1 |
| FS-1975-BRL | Trans-Glide Bench Rail | 2 |
| GE-7015 | Mounting Insert | 2 |
| GF-7006-B | Mounting Block R5 Bottom | 2 |
| GF-7006-T | Mounting Block R5 Top | 2 |
| HS-1001-R5 | Socket Clamp Set R5 | 2 |
| IE-0038 | Trans-Glide Pinion Rod | 2 |
| 9103012-TR | Bolt Button Head 3/8" x 1/2" | 4 |
| 9103032-TR | Bolt Button Head 3/8" x 3/4" | 36 |
| 9103052-TR | Bolt Button Head 3/8" x 1" | 12 |
| 9103062-TR | Bolt Button Head 3/8" x 1-1/4" | 38 |
| 9103072-TR | Bolt Button Head 3/8" x 1-1/2" | 64 |
| 9103082-TR | Bolt Button Head 3/8" x 1-3/4" | 41 |
| 9103092-TR | Bolt Button Head 3/8" x 2" | 4 |
| 9103102-TR | Bolt Button Head 3/8" x 2-1/4" | 5 |
| 9103112-TR | Bolt Button Head 3/8" x 2-1/2" | 6 |
| 9333002 | Washer Flat 3/8" x 1" O.D. x .100" thick | 266 |
| 9333042 | Washer Flat 3/8" x 7/8" O.D. | 30 |
| 9345002 | Washer Flat SAE 1/2" | 102 |
| 9367055 | 1.07" x .645" x .065" Nylon Washer | 2 |
| 9413002 | Nut Lock 3/8" | 86 |
| 9443022-TR | Nut Barrel 3/8" x 5/8" BH | 100 |
| 9443092-TR | Nut Barrel 3/8" x 2" BH | 2 |

Specifications

RETAINER PLATE:

Shall be precision cut from 1/4" thick steel. The Retainer Plate shall have a multi-stage baked-on powder coat finish.

SPRING RIDER BRACKET:

Shall be precision cut and formed from 3/16" thick steel. The Spring Rider Bracket shall have a multi-stage baked-on powder coat finish.

TRANS-GLIDE BASE:

Shall be precision cut and welded from 1/4" thick steel with welded 1.900" 11 gauge steel stiffeners. The Trans-Glide Base shall have a multi-stage baked-on powder coat finish.

TRANS-GLIDE BENCH BACK & SEAT:

Shall be punched, formed and welded from 14 gauge sheet steel with 12 gauge steel gussets and end caps. The Trans-Glide Bench Back and Seat shall be Play-Tuff™ coated after fabrication.

TRANS-GLIDE BENCH RAIL:

Shall be fabricated using 1.660" O.D. 11 gauge steel tubing with welded 1.315" O.D. 12 gauge steel handle and 1/4" thick steel mounting tabs. The Trans-Glide Bench Rail shall have a multi-stage baked-on powder coat finish.

TRANS-GLIDE BENCH SKIRT:

Shall be punched, formed and welded from 10 gauge sheet steel. The Trans-Glide Bench Skirt shall have a multi-stage baked-on powder coat finish.

TRANS-GLIDE BUMPER:

Shall be 3/8" thick, 3-ply rubber belt.

TRANS-GLIDE DAMPENER & TORSION BRACKET:

Shall be precision cut and formed from 3/8" thick steel. The Trans-Glide Dampener and Torsion Bracket shall have a multi-stage baked-on powder coat finish.

TRANS-GLIDE DECK & TRANSITION DECK:

Shall be punched formed and welded from 12 gauge sheet steel. The Trans-Glide Deck and Transition Deck shall be Play-Tuff™ coated after fabrication.

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

TRANS-GLIDE DAMPENER PLATE:

Shall be made from Ultra High Molecular Weight Polyethylene for lasting durability.

TRANS-GLIDE DRIVE ARM & DRIVE PLATE:

The Trans-Glide Drive Arm and Drive Plate shall be precision cut from 1/2" thick steel. The Trans-Glide Drive Arm and Drive Plate shall have a multi-stage baked-on powder coat finish.

TRANS-GLIDE DRIVESHAFT:

Shall be fabricated using 1.660" O.D. 11 gauge steel tubing with welded machined steel spindles and 1/4" thick steel mounting plate. The Trans-Glide Driveshaft shall have a multi-stage baked-on powder coat finish.

TRANS-GLIDE DRIVESHAFT BRACKET:

Shall be fabricated using precision cut and welded 1/2" thick steel tabs. The Trans-Glide Driveshaft Bracket shall have a multi-stage baked-on powder coat finish.

TRANS-GLIDE HANDLE:

Shall be made from high density 1" sheet plastic specially formulated for optimum UV stability and color retention.

TRANS-GLIDE DRIVE HOUSE:

Shall be fabricated using 3.5" O.D. 11 gauge steel tubing with welded 10 gauge steel gussets and 1/4" thick steel mounting plates. The Trans-Glide Drive House shall have a multi-stage baked-on powder coat finish.

TRANS-GLIDE PANEL SET:

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

TRANS-GLIDE TORSION ARM:

Shall be fabricated using 3-1/2" square 3/16" thick wall tubing with welded 1/4" thick steel gussets and 1-1/4" square 1/8" thick wall tubing arm. The Trans-Glide Torsion Arm shall have a multi-stage baked-on powder coat finish.

TRANS-GLIDE TRACK WHEEL:

Shall be machined Nylon 6/6.

TRANS-GLIDE WHEEL HUB:

Shall be fabricated using precision cut and formed 3/8" thick steel and machined stainless steel axles.

TRANS-GLIDE WHEEL HUB STIFFENER:

Shall be punched, formed, and welded from 10 gauge sheet steel. The Trans-Glide Wheel Hub Stiffener shall be Play-Tuff™ coated after fabrication.

MOUNTING BLOCKS:

Shall be two-part and precision die-cast from a high strength aluminum alloy. The Mounting Blocks 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.

