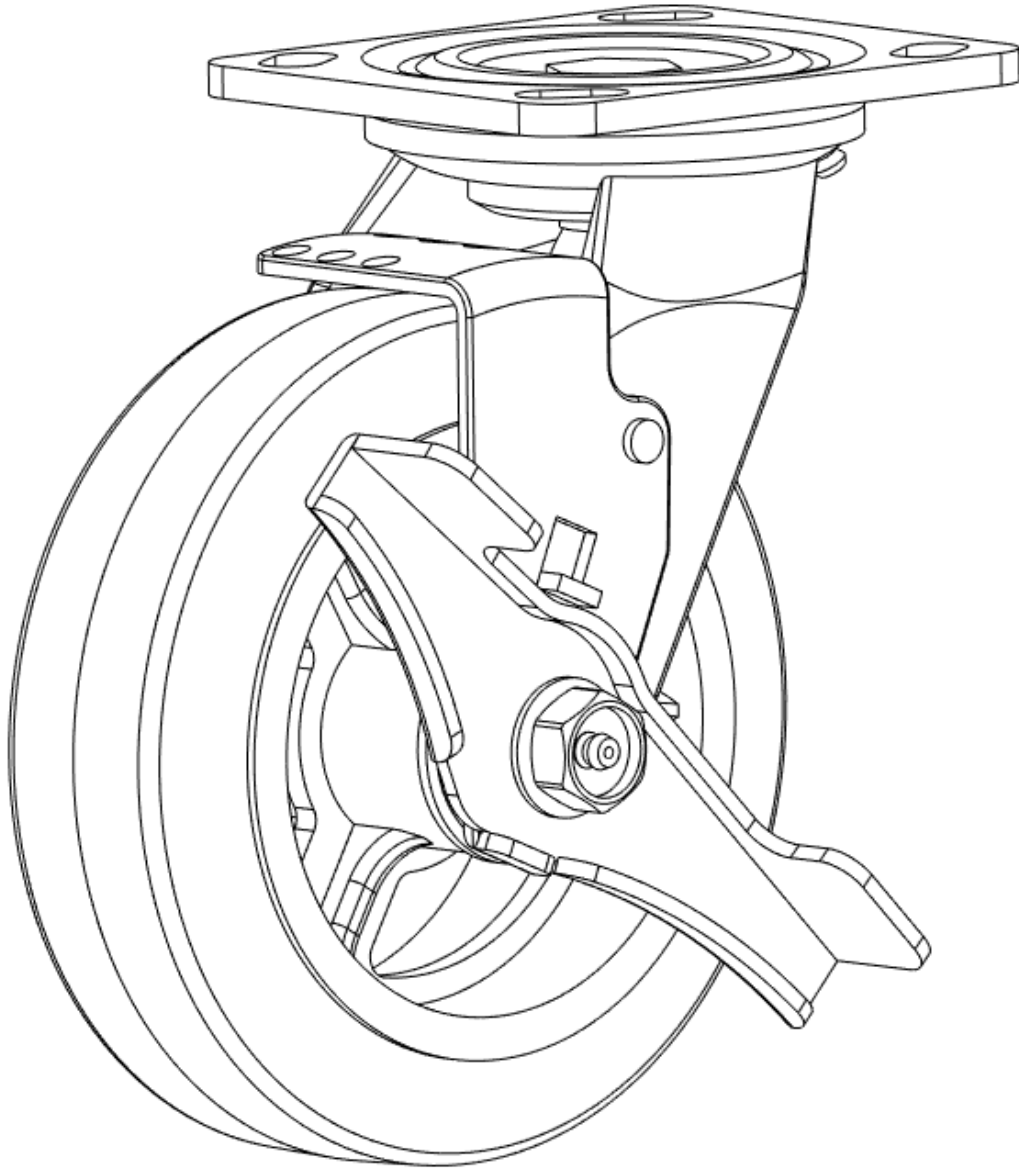


HIGH RISE CASTER

Lubrication & Repair Instructions



2530 Xenium Lane North, Minneapolis, MN 55441
Telephone: 763-553-1900 Fax: 763-553-1905
800-328-3332 / www.satelliteindustries.com

INTRODUCTION

Satellite portable restrooms must be assembled according to approved assembly procedures. Avoid variations in assembly procedures which could adversely affect product life and warranty.

TOOLS:

- GREASE GUN (*LITHIUM GREASE*)
- SOCKET WRENCH
- 3/4" [19mm] SOCKET
- 3/4" [19mm] BOX-END WRENCH
- 1/2" [13mm] SOCKET
- 1/2" [13mm] BOX-END WRENCH
- GREASE RAG

NOTE:

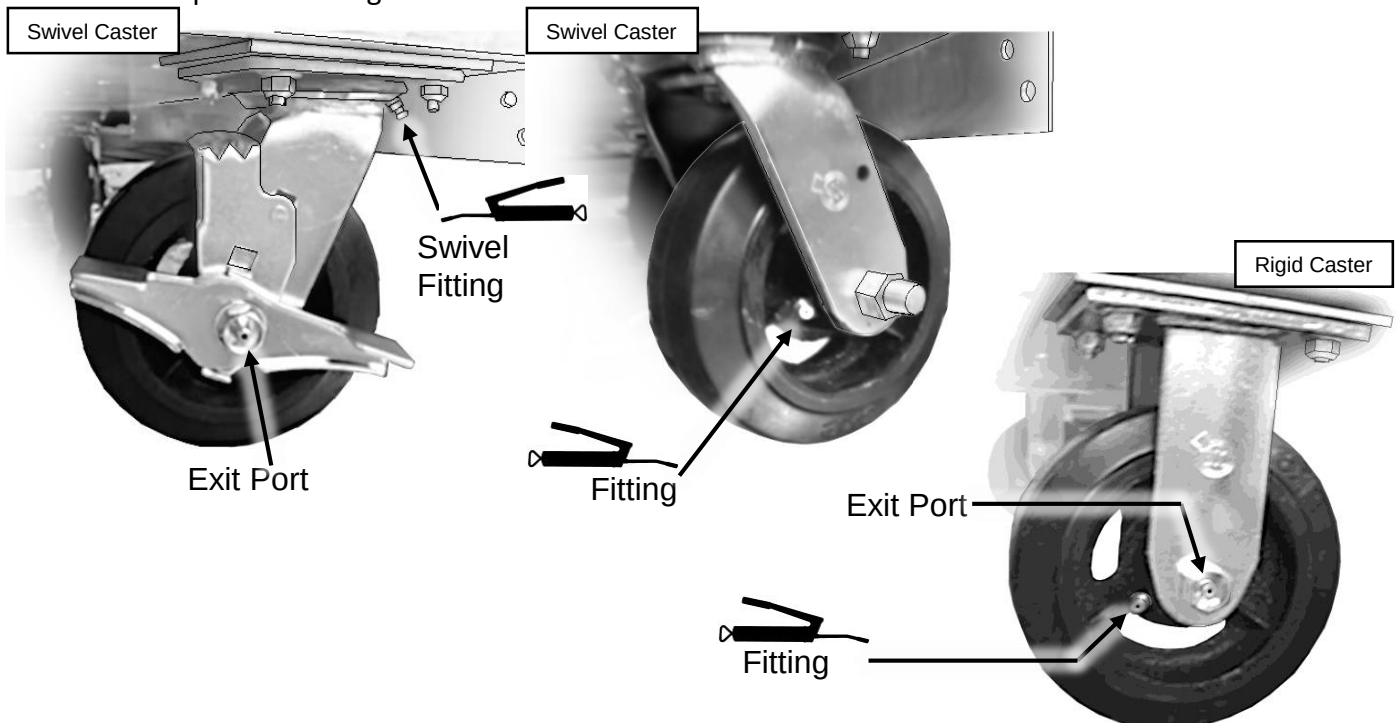
- KEEP WORK AREA ORGANIZED AND WELL LIT.
- KEEP WORK AREA FREE OF DIRT AND DEBRIS. *Dirt or other contaminates may adversely affect bearing life.*
- INSPECT Casters for damage and proper function, wheels & swivels should move smoothly with out excessive binding, replace if needed.
- Verify quantities in Repair kits are correct.
- Read through entire instruction booklet.

LUBRICATION

1. Select grease that is *Lithium based*
2. Locate Grease fittings.
 - Fittings are on wheel near center, may be on left or right side.
 - Exit ports are on Axle head.

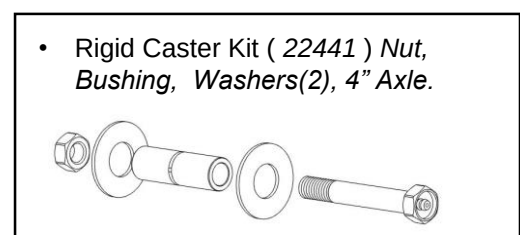
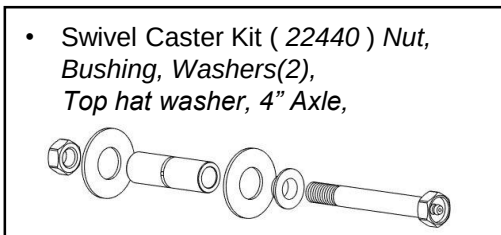
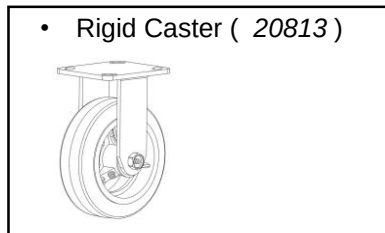
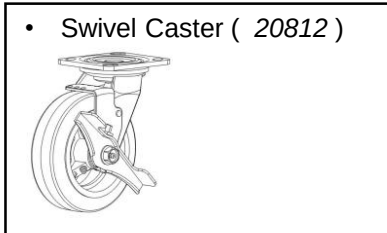
NOTE: The locations of Fittings VS Exit Ports may alternate, *Fittings usually have a ball check valve.*
Wheels with Sealed Ball Bearings do not require grease.

3. Grease fittings.
 - Grease Fitting on Rims .
 - Add grease until grease comes out Exit ports. Bearings are filled when grease exits port.
 - Grease Swivel Fitting, *Swivel Bearing must be greased regularly.*
 - Wipe off excess grease.



ORDER REPLACEMENTS

1. Determine which part needs to be Replaced and order the correct Part or Kit.
 - Replace entire Caster if Swivel on Swivel Caster is damaged.
 - Replace Wheel if Wheel or Wheel Bearing is damaged.
 - Replace Axle only if Axle is damaged
2. Order Parts / Kits as needed.



CASTER REPLACEMENT

1. Remove Caster.
 - Support Restroom in a manner that is secure and stable.
 - Use ½" Socket & ½" Box-end Wrench to remove Bolts that secure Caster to Restroom.
 - Save nuts and bolts, they will be reused.

NOTE: *Rigid Caster removal requires the waste tank to be removed.
2 people may be needed to remove Rigid Caster.*

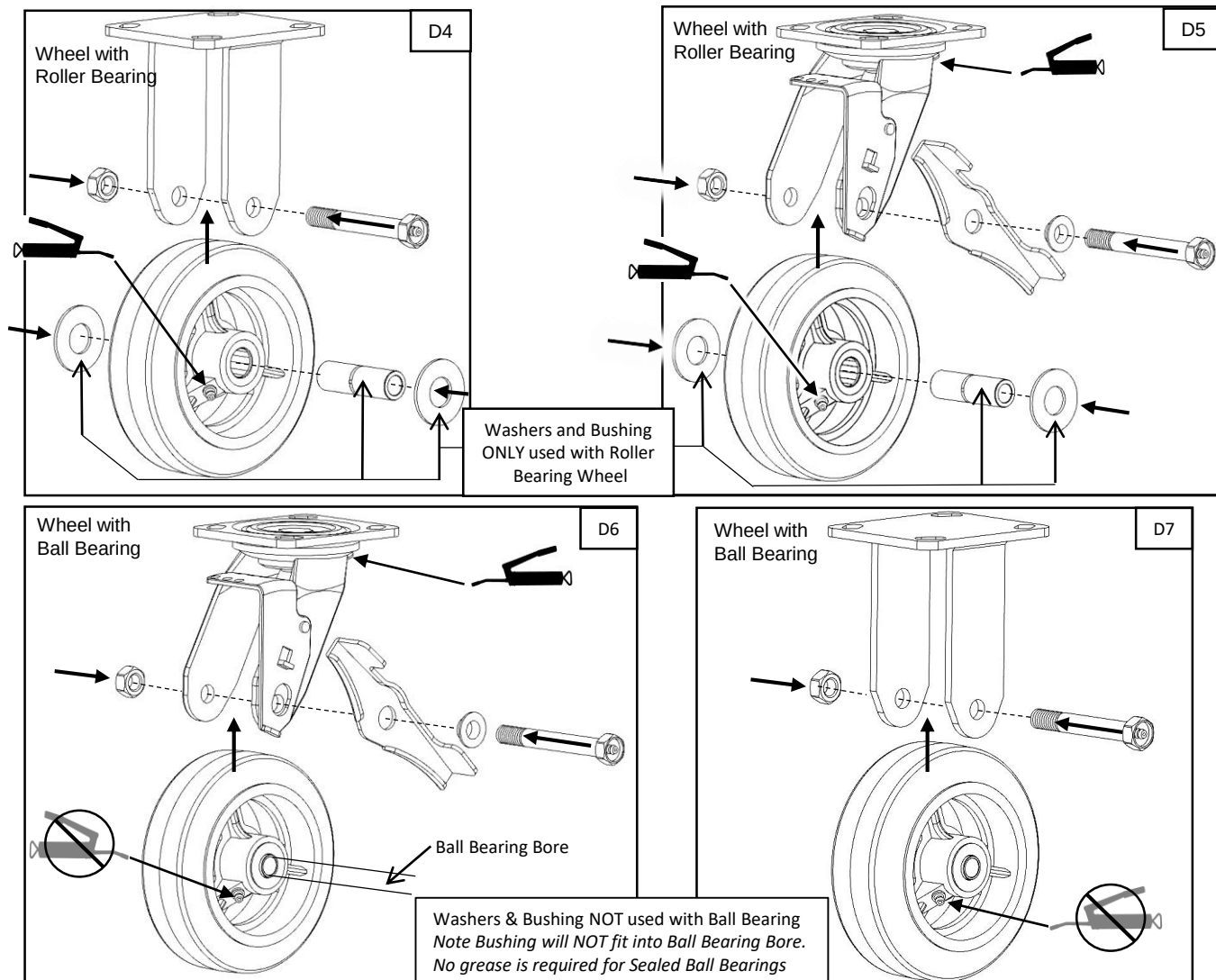
2. Install Caster.
 - Grease Fitting on wheel, only if wheel has Roller Bearings.
 - Add grease until grease comes out Exit ports. Bearings are filled when grease exits port.
 - Grease Swivel Fitting.
 - Install Caster using ½" wrenches to tighten nuts and bolts.

WHEEL REPLACEMENT

1. Remove Wheel.
 - Support Restroom in a manner that is secure and stable.
 - Use 3/4" Socket & 3/4" Box-end Wrench to remove Axle Nut, then remove Axle & Wheel.
 - Save parts if they will be reused and keep them clean.

NOTE: *Wheel (22071) with Ball Bearings does not use Bushing or Axle Washers (see diagram 6 & 7).*

2. Install Wheel.
 - Assemble Caster (see Diagrams 4, 5, 6 or 7) and tighten Axle Nut.
 - **DO NOT OVER TIGHTEN**
 - Grease Fittings.
 - Remove excess grease.



AXLE / BUSHING REPLACEMENT

1. Remove Wheel. (Note if the Bushing, of a Roller Bearing wheel, is being replaced apply Grease to the bearings first, this will help the each Roller to stay in place).
 - Support Restroom in a manner that is secure and stable.
 - Use 3/4" Socket & 3/4" Box-end Wrench to remove Axle Nut, then remove Axle & Wheel.
 - Save parts if they will be reused and keep them clean.

NOTE: Select proper Axle kit before assembling.

2. Install Wheel.
 - Align Wheel with Caster. (Insert Bushing first if using Roller Bearing Wheel).
 - Assemble Caster and tighten Axle Nut. (see Diagram 4, 5, 6, or 7)
 - DO NOT OVER TIGHTEN
 - Grease Fittings.
 - Remove excess grease.



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