



V3 VersaBinz

VersaBinz Operator's Manual

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Introduction

The purpose of this manual is to introduce operators to the operational procedures of the VersaBinz. This manual provides information for the safe operation, inspection, and proper use of the VersaBinz when installed on a compatible front loader refuse collection vehicle. For information regarding maintenance procedures, adjustments, troubleshooting, or repairs, refer to the VersaBinz Maintenance Manual and the applicable vehicle manufacturer documentation.

About This Manual

This manual is intended for operators, supervisors, and personnel responsible for daily equipment operation. Operators must read and understand this manual before operating the VersaBinz and must be familiar with all equipment controls, safety precautions, operating procedures, and inspection requirements before placing the unit into service. This manual does not replace proper operator training, company procedures, or applicable safety regulations.

NOTE: Safety precautions and operating procedures listed in this manual apply to VersaBinz units regardless of vehicle configuration, control options, or equipment options installed unless otherwise stated.

Topics Not Included in This Manual

Maintenance of the chassis

This is covered in the chassis manufacturer service manual.

Cameras and backing-accident prevention systems

For these options, refer to the appropriate manufacturer service manual.

Operating the front loader body

For procedures related to the operation of the front loader body, hopper, packer, tailgate, forks, or refuse body controls, refer to the front loader Operator Manual provided with the vehicle.

Parts and assemblies

For parts and assemblies that make up the VersaBinz, and for their respective part numbers for ordering purposes, refer to the appropriate Parts Manual.

Maintenance, system adjustments, troubleshooting, and repairs related to the VersaBinz

For these topics, refer to the VersaBinz Maintenance Manual.

About the Illustrations in This Manual

Because the VersaBinz is subject to continuous improvement and product updates, illustrations used throughout this manual may differ from the actual equipment installed on your vehicle, depending on the model, configuration, and options included with your unit.

Schematics

For schematics related to VersaBinz assemblies and components, refer to the appropriate Parts Manual.

For electrical schematics, refer to the electrical documentation provided with your VersaBinz unit.

For hydraulic schematics and additional system information, refer to the appropriate service documentation or contact the Service Department.

NOTE: A number of system schematics are included in this manual.

Warranty Registration Form

Do not forget to complete the owner registration form and to send it to Labrie Environmental Group. Make sure to fill out the in-service date. This date will be used as the start date of the warranty period. If the in-service date is not indicated, the warranty period will start 30 days after the delivery date.

Introducing the VersaBinz

The VersaBinz is a front-mounted residential cart system designed for use with compatible commercial front loader refuse collection vehicles. The system allows a front loader to collect approved residential roll-out carts while maintaining the vehicle's normal commercial collection capability.

The VersaBinz is installed at the front of the vehicle and uses hydraulic power from the host unit to operate the arm, S-Boom, grabber mechanism, and dump functions. During operation, the system positions, secures, lifts, empties, returns, and releases approved carts while reducing manual lifting at the curb.

The system is intended for trained operators working from the designated operator position. Operators must maintain awareness of cart position, arm movement, vehicle position, overhead clearance, pedestrians, traffic, and other hazards in the collection area.

Figure 1-1 VersaBinz front-mounted residential cart system



Figure 1-2 VersaBinz Rear View

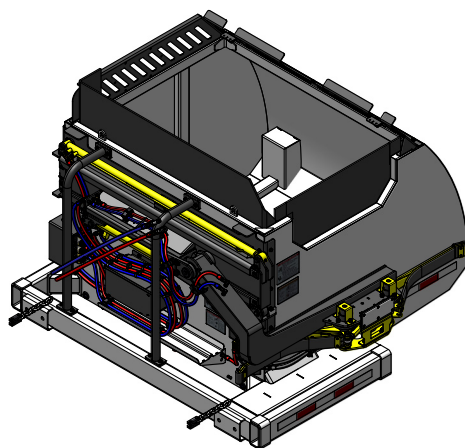


Figure 1-3 VersaBinz Front View

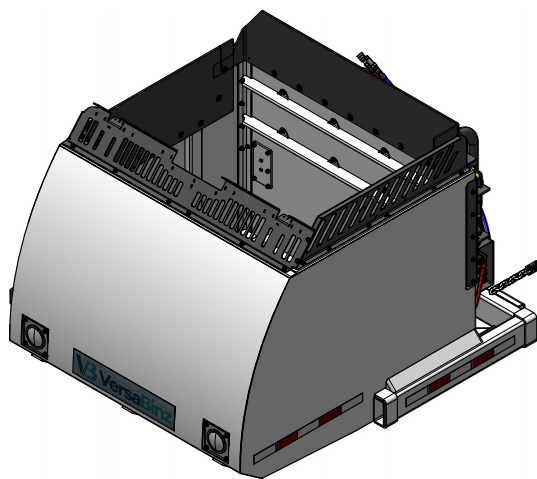
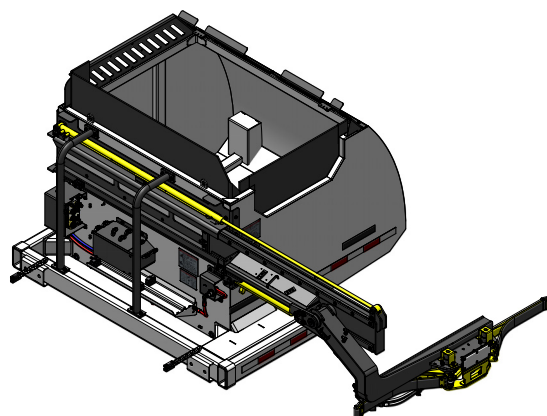


Figure 1-4 VersaBinz Grabber Extended



Product Overview

The VersaBinz combines hydraulic, mechanical, and electrical systems to provide automated cart collection directly in front of the vehicle. Major components include the heavy-duty VersaBinz container and floor, arm assembly, Helping-Hand-inspired S-Boom, Labrie grabber mechanism, integrated hydraulic valve block, hydraulic and electrical hookups, work lights, and related controls.

Heavy-Duty Container and Floor

The heavy-duty VersaBinz container and floor receive cart contents during the collection cycle and support the front-mounted cart collection system. Operators must keep this area free from excessive debris buildup and report any visible damage before operation.

Arm and S-Boom Assembly

The arm and S-Boom assembly positions the grabber mechanism during collection. Controlled hydraulic movement allows the operator to extend, retract, raise, lower, dump, and return the assembly as required during the collection cycle.

Grabber Mechanism

The grabber mechanism secures approved carts during the lift and dump cycle. The grabber closes around the cart, holds the cart during movement, and releases the cart after it has been returned to the ground.

Hydraulic System

The hydraulic system supplies the power required to operate VersaBinz functions. The integrated hydraulic valve block helps organize hydraulic control functions and reduces hose routing complexity. Quick-disconnect hydraulic hookups may be provided to support service or movement of the system between compatible units.

Electrical Control System

The electrical control system connects operator inputs to VersaBinz functions. The system may include an in-cab joystick, optional auxiliary controls, work lights, electrical hookups, indicator circuits, and other control components depending on configuration.

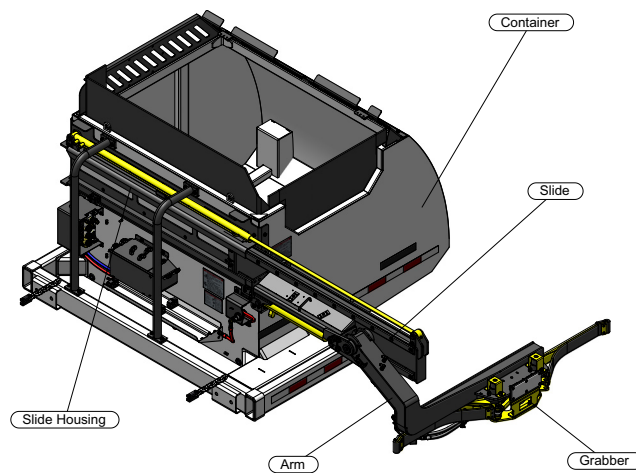
Automatic Hydraulic Lock

The VersaBinz may include an automatic hydraulic lock designed to secure the arm and bin when stowed near the hopper. Operators must verify that the system is properly stowed before moving the vehicle.

Serial Number Plate

The serial number plate identifies the unit. Record the model and serial number for warranty, service, and parts support. Always provide this information when requesting assistance.

Figure 1-5 VersaBinz Main Components



Key Features

The VersaBinz is designed to expand the collection capability of a front loader by allowing residential cart collection from the front of the vehicle. The system provides an automated method for collecting approved roll-out carts while allowing the operator to remain in the cab during normal collection operations.

Key features of the VersaBinz include:

- ♦ Front-mounted cart collection system designed for use with compatible front loader refuse bodies.
- ♦ Arm and grabber arrangement designed to collect approved residential carts.
- ♦ Boom design based on proven automated-arm collection principles.
- ♦ Heavy-duty container and floor structure for refuse collection applications.
- ♦ Standard work lights to improve visibility around the collection area.
- ♦ Hydraulic valve block arrangement intended to simplify hose routing and reduce potential leak points.
- ♦ Hydraulic locking feature to help secure the arm and bin when the system is in the stowed position.
- ♦ Quick-disconnect hydraulic and electrical connections to support installation, removal, and service access.

- ♦ Adjustable roller arrangement designed to support smooth movement and alignment.
- ♦ Main pivot design intended to improve durability and reduce wear during repeated operation.
- ♦ Shared *LabriePlus* components where applicable to support parts availability and serviceability.

The VersaBinz is intended to be operated only by trained personnel who understand the equipment controls, safety precautions, operating procedures, and inspection requirements described in this manual.

Pre-Operating Instructions

Before placing the VersaBinz into service, operators must perform a complete inspection of the equipment to verify proper operating condition and ensure all required lubrication points have been properly serviced. The VersaBinz must be properly lubricated before operation to reduce component wear and maintain reliable performance. Operators should become familiar with all controls, safety devices, decals, and equipment functions before beginning collection operations. If any component does not function properly, or if damaged components or unsafe conditions are identified, remove the equipment from service and report the condition to the appropriate personnel.

Warning! The VersaBinz must only be operated by trained personnel. Improper operation may result in equipment damage, serious injury, or death.



2

Safety

Safety is always of prime importance when operating refuse collection equipment. All operators working with the VersaBinz must be aware of the safety practices, decals, controls, and safety features described in this section. The safe use of the vehicle and VersaBinz remains the responsibility of the operator and the employer.

Conventions

Danger!

Indicates a hazardous situation which, if not avoided, will result in serious injury or death.



Warning!

Indicates a hazardous situation which, if not avoided, could result in serious injury or death.



Caution!

Indicates a hazardous situation which, if not avoided, may result in minor or moderate injury or equipment damage.



Basic Safety Notions

Refuse collection equipment contains moving components, hydraulic systems, and areas where serious hazards may exist. Operators must remain alert and follow all safety instructions whenever operating or working around the VersaBinz.

Danger!

Always be aware of the vehicle surroundings to make sure no pedestrians, bystanders, vehicles, or obstructions are exposed to danger caused by the use of the VersaBinz.



Danger!

Do not place any part of the body near moving components, pinch points, or between the VersaBinz and another object. Hydraulic components can move suddenly and create crushing hazards.

Responsibilities

Safety is everybody's responsibility. Both employer and employee must play their part to ensure the safety of the operator, the vehicle, the VersaBinz, and the immediate surroundings.

Employer's Responsibilities

It is the responsibility of the employer:

- ◆ To ensure that the VersaBinz is operated in accordance with all safety requirements, applicable regulations, and company procedures.
- ◆ To ensure that employees are qualified and trained before operating the vehicle and VersaBinz.
- ◆ To supply the operator with adequate knowledge and skills to operate the equipment safely.
- ◆ To ensure daily inspections are completed and defects are reported and corrected before the unit is returned to service.
- ◆ To establish a lockout/tag-out procedure and ensure its application any time inspection, repair, cleaning, or maintenance requires access to hazardous areas.
- ◆ To ensure safety decals, warning devices, mirrors, cameras, and required safety equipment are maintained in usable condition.

Employee's Responsibilities

It is the responsibility of the employee:

- ◆ To follow all safety measures established by the employer.
- ◆ To operate the VersaBinz only after receiving proper instruction and training.
- ◆ To perform routine daily inspections before operation.
- ◆ To make sure nobody is near the equipment before activating any control.
- ◆ To stop operation at any indication of possible danger.
- ◆ To immediately report any damage, malfunction, abnormal movement, or unsafe condition.

IMPORTANT: Do not use damaged equipment.

Things to Do

- ♦ Read and understand this manual before operation.
- ♦ Inspect the VersaBinz and related vehicle systems at the beginning of each day.
- ♦ Make sure the area is clear of people and obstructions before moving the arm or grabber assembly.
- ♦ Wear safety glasses, footwear, gloves, and any other safety equipment required by the employer.
- ♦ Check mirrors, windows, lights, monitor equipment, and cameras for cleanliness and proper adjustment.
- ♦ Inspect for overhead hazards before lifting the arm or raising a container.
- ♦ Obey all warning, caution, and operation decals.

Things to Avoid

- ♦ Do not operate the vehicle or VersaBinz while under the influence of alcohol, narcotics, or other intoxicants.
- ♦ Do not use a cell phone or listen to loud music while driving or operating the equipment.
- ♦ Do not wear jewelry or loose clothing near moving equipment.
- ♦ Do not leave the vehicle before it is brought to a complete stop and the parking or work brake is applied.
- ♦ Do not enter or reach into pinch point areas unless the equipment has been properly locked out and tagged out.
- ♦ Do not operate the VersaBinz if there are signs of damage, hydraulic leakage, incomplete repairs, or abnormal movement.
- ♦ Do not drive with the VersaBinz extended, raised, or outside its approved travel position.

General Precautions

It is the employer's responsibility to ensure that only qualified employees are assigned to operate this vehicle and the VersaBinz. Read and make sure that you fully understand this manual, the front loader Operator Manual, and all safety decals before operating the equipment. In case of doubt, ask a supervisor for clarification.

Before every work day, inspect the VersaBinz, body, packing system, chassis controls, and any system that might compromise public or operator safety. Verify that the accelerator pedal, steering wheel, mirrors, brakes, turn signals, and monitor equipment are in good working order before operating the vehicle.

Warning!



Make sure that all people and obstructions are sufficiently clear from the VersaBinz before moving the arm or grabber assembly. Failure to do so may result in unit damage, property damage, personal injury, or death.

Warning!

Make sure there is enough clearance between a raised container and overhead power lines. If the unit contacts a power line, stay in the cab and keep away from metal parts.

Fire

The employer must inform and train all personnel on the measures that must be taken in case of a vehicle or loaded body catching fire. Fire extinguishers must be accessible and inspected according to company policy and applicable regulations.

Keep the VersaBinz and surrounding areas free from excessive debris buildup. Accumulated refuse, fluids, or other materials may create unsafe operating conditions or increase fire risk.

Safety Kits

A first aid kit, flare kit, triangle kit, and fire extinguisher may be provided with the truck. Operators must know the location of required safety equipment and confirm it is available according to employer requirements.

Safety and Informative Decals

Pay careful attention to all safety, warning, caution, and informative decals while working in and around the VersaBinz. Keep all decals clean and in good condition at all times. Decals may vary from one unit to another depending on the options and features installed on the unit.

Before each shift, inspect all safety decals to ensure they are clean, visible, and readable. Replace any decals that are damaged, missing, painted over, or cannot be clearly understood.

Figure 2-1 VersaBinz Safety Decal Locations

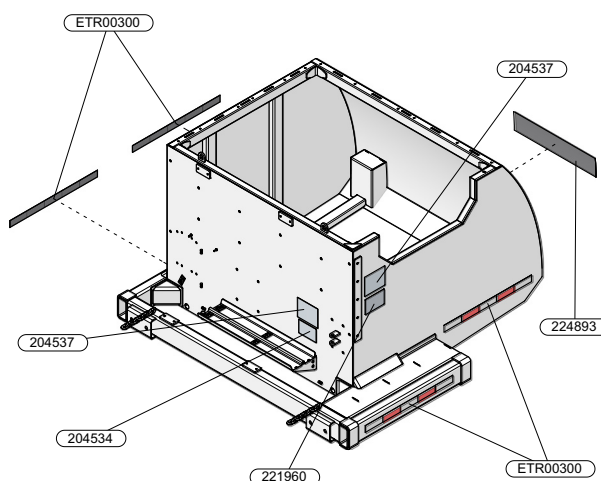
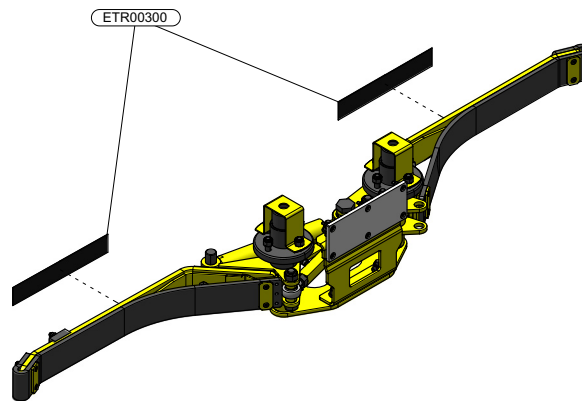
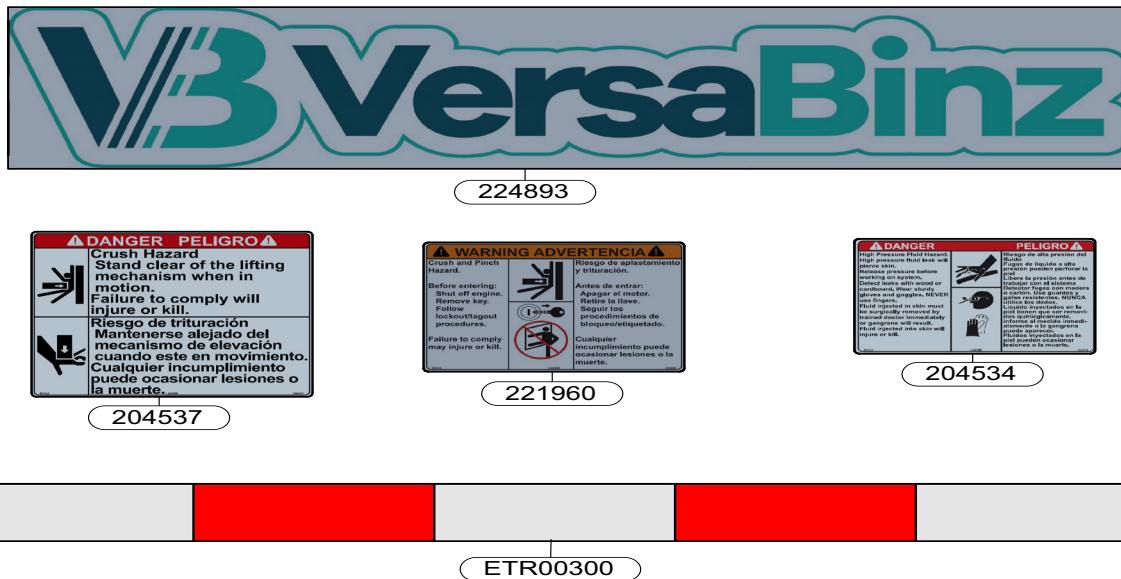


Figure 2-2 Grabber Safety Decal Locations



Decals



Safety Features

The VersaBinz and the vehicle may include safety features designed to assist with safe operation. Operators must understand these features and verify proper operation before use. Safety features are not a replacement for proper training, inspection, and safe operating practices.

Camera System (optional)

Camera systems may be installed to assist operators during collection operations. Cameras provide additional visibility around the vehicle and collection area but do not replace operator awareness. Operators must always verify surroundings using direct observation and available mirrors before operating equipment or moving the vehicle.

Back Up Alarm

The back up alarm sounds when the transmission is placed in reverse. Do not rely on the alarm alone. Always verify that the area behind and around the vehicle is clear before moving.

Cleanliness

Cleanliness is part of safety. Keep the VersaBinz clean enough to inspect the equipment, read safety decals, and identify damage, leaks, or abnormal conditions. Remove debris buildup that may interfere with operation or create unsafe conditions.

Safety Lockout Tests

Safety lockout tests are part of the daily inspection when applicable to the installed control system. Successful completion of these tests helps ensure that the unit is safe to operate. If any test fails, do not operate the unit until the appropriate adjustment or service has been completed by qualified personnel.

IMPORTANT: Your unit may be equipped with safety lockout options not mentioned in this draft. Consult your supervisor or maintenance department if you have questions or are in doubt.

Quick Reference Lockout Chart

Table 1 **Lockout Reference Chart**

Condition	Expected Result
Access door open or safety circuit open.	Hydraulic functions disabled or warning displayed, if equipped.
Emergency stop activated.	Hydraulic functions disabled until reset.
Arm not in travel position.	Travel or warning indicator active, if equipped.
Low air pressure or hydraulic system not ready	Pump or VersaBinz functions disabled until required conditions are met

Locking Out and Tagging Out the Vehicle

For any inspection, repair, cleaning, or maintenance being done on the vehicle or VersaBinz, whether on the road or at the shop, it is the employer's responsibility to establish and see to the application of a proper lockout and tag-out procedure.

To lock out and tag out the vehicle:

1. Park the vehicle on safe, level ground and apply the parking brake.

Figure 2-3 Parking Brake Knob



2. Return the VersaBinz to a stable position whenever possible.
3. Place all controls in neutral or OFF position.
4. Switch OFF the hydraulic system according to the vehicle procedure.
5. Turn OFF the engine and remove the ignition key.
6. Turn OFF and lock the master switch, if equipped.

IMPORTANT: Depending on the chassis model, the battery set of your side loader may be equipped with a master switch (See Figure 2-4) that must be turned off.

Figure 2-4 Master Switch



7. Chock the wheels when required by company procedure.
8. Apply the required out-of-service tag according to company policy.
9. Use safety props or blocking to secure any system that could move by gravity.

10. Verify that the equipment cannot be activated before entering any hazardous area.

Danger! Failure to follow and apply lockout/tag-out procedures may result in serious injury or death.

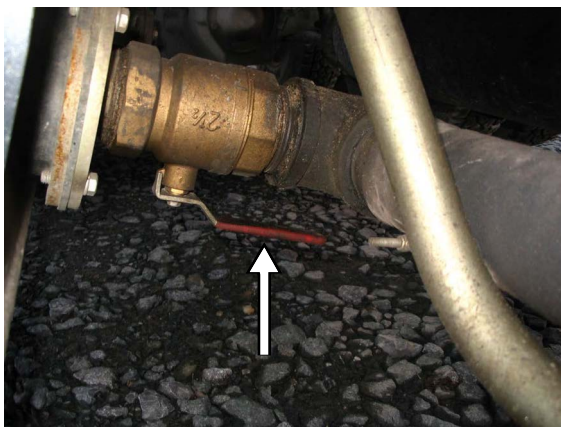


Prior to Start Up

Before starting the vehicle:

1. Make sure no system will engage or start to operate as the engine is started.
2. Make sure the shut-off valve on the hydraulic tank is fully open before starting the vehicle.

Figure 2-5 Shut-off Valve



NOTE: The hydraulic tank model and shut-off valve location may vary according to the options installed on the vehicle.

Warning! Failure to fully open the shut-off valve before starting the vehicle may cause immediate damage to the hydraulic pump, even if the pump is turned off.



-
3. Once the engine is started, wait for the air pressure to build up to at least 70 psi.

Figure 2-6 Air Pressure Indicator

IMPORTANT: Do not operate or move the vehicle until the air pressure has reached 70 psi.

4. Engage the hydraulic system by turning ON the PUMP switch on the in-cab control panel.

Figure 2-7 Hydraulic Pump On/Off Switch

- ♦ A green switch means the pump is active.
- ♦ A blue switch means the pump is not active.

Shutting Down the Vehicle

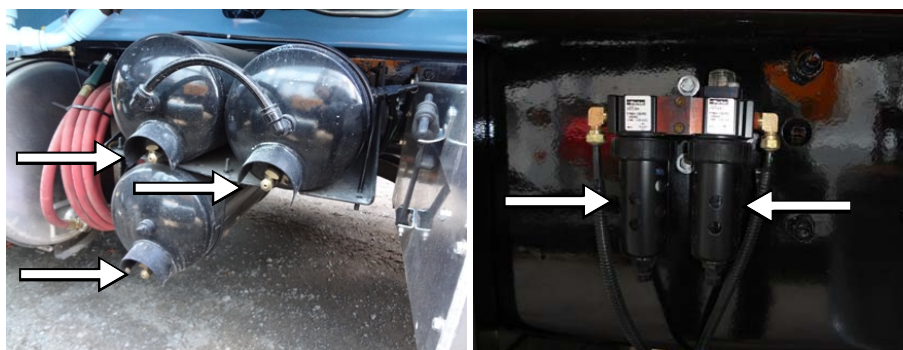
If the vehicle has to be stored for an extended period of time, follow the chassis manufacturer's shutdown and maintenance requirements.

1. Park the vehicle on a hard, level surface and apply the parking brake (See Figure 2-3).
2. Make sure that all moving parts are in their home position, including the VersaBinz arm, grabber assembly, tailgate, body, packer, and any other moving equipment installed on the unit.
3. Turn OFF, in sequence, the hydraulic pump (See Figure 2-7), the electrical system, the engine and, if installed, the master switch (See Figure 2-4).

4. Drain all air tanks, including the water and coalescing filters of the air filter assembly, if equipped (See Figure 2-8).

NOTE: Air tanks and air filter assemblies may vary according to chassis model and installed options. Service air system filters according to the applicable maintenance schedule and manufacturer requirements.

Figure 2-8 Drain Valves on Air Tanks (left) and water trap (right)



3

Controls and Indicators

The VersaBinz has a series of controls and indicators that allow the operator to control equipment functions during collection operations. Controls and indicators may be located on the in-cab control panel, joystick, monitor, dashboard, or optional outside control station depending on the vehicle configuration.

Labrie's Multiplexed System

The front loader unit is equipped with a CAN bus-based multiplexed system that integrates a monitor, control panel, joystick, and electronic modules. The system monitors various function statuses and may display warning and caution messages during operation. Yellow-highlighted messages indicate that caution should be used, while red-highlighted messages indicate a warning situation that must be addressed quickly.

NOTE: Monitor screens, messages, and controls vary according to the options installed on the vehicle. Refer to the front loader Operator Manual and the specific documentation provided with the unit for detailed monitor operation.

Figure 3-1 Monitor IFM



Figure 3-2 Monitor Envirolink



Control Panel

The control panel provides access to vehicle and body functions required for normal operation. Depending on configuration, control switches may include hydraulic pump activation, work lights, strobe lights, auxiliary controls, packing controls, and body or hopper functions. The VersaBinz may use dedicated controls or may be integrated with the vehicle control system.

Before using any switch, operators must understand its function and verify that conditions are safe for operation. Do not activate switches without confirming the intended equipment response.

PUMP Switch

The PUMP switch engages or disengages the hydraulic system used to operate body and VersaBinz functions. Do not engage the pump until the vehicle is ready for hydraulic operation and the surrounding area is clear.

Auxiliary Controls Switch (optional)

The AUXILIARY CONTROLS switch may enable optional control functions depending on equipment configuration. Use this switch only when the operator understands the enabled function and the equipment area is clear.

Indicator Lights

Indicator lights provide information regarding equipment status and operating conditions. Operators should understand all indicators before operating the VersaBinz. If an unexpected warning or indicator appears, stop operation and determine the cause before continuing.

Parking Brake

The parking brake, (See Figure 3-3), must be applied before the operator leaves the driving position or performs any procedure requiring the vehicle to remain stationary. Follow the chassis manufacturer instructions for parking brake operation.

Figure 3-3 Parking Brake Knob

Joystick Controls

The joystick allows the operator to control VersaBinz movement during collection operations. The joystick sends operator commands to the control system, which activates the required hydraulic functions. Actual joystick movement and function assignment may vary by unit.

Joystick operation should be smooth and controlled. Operators should avoid rapid directional changes that may cause container instability, equipment damage, or unexpected equipment movement.

In-Cab Joystick

The in-cab joystick is the primary control used for VersaBinz arm and grabber operation. The operator must maintain visual contact with the VersaBinz, the container, and surrounding area while operating joystick functions.

Figure 3-4 VersaBinz Joystick Controls

Outside Controls (Optional)

Some units may include optional outside controls. Outside controls are intended for specific operating or service situations only. Before using outside controls, confirm that the vehicle is stopped, the brake is applied according to company procedure, the operator has a clear view of the equipment, and all personnel are clear of the hazard area.

Warning! Moving equipment can be dangerous to bystanders. Serious injury or death can occur if a person is in the area of moving equipment.



Work Lights

The VersaBinz is equipped with standard work lights to improve visibility around the front-mounted cart system during collection operations. The work lights help illuminate the cart, grabber area, and surrounding work zone so the operator can better monitor cart positioning, arm movement, and nearby obstructions.

Before beginning operation, verify that the work lights are clean and functioning properly. Do not operate the VersaBinz in low-light conditions if the operator cannot clearly see the cart, grabber assembly, arm movement, pedestrians, vehicles, or surrounding hazards.

NOTE: The work lights are intended to assist visibility only. They do not replace mirrors, cameras, direct observation, or safe operating practices.

4

Operating the VersaBinz

To keep the VersaBinz in good working order and reduce downtime, the operator must follow all inspection and operating procedures described in this manual. The operator must be familiar with the operation of the VersaBinz, the safety precautions related to the arm and grabber assembly, and the proper use of all controls before placing the unit into service.

The VersaBinz uses hydraulic power from the host vehicle to operate the arm and grabber assembly. The arm positions the grabber around an approved refuse container, secures the container, lifts and empties the container, returns the container to the ground, and then returns to the travel position.

Warning!



Do not operate the VersaBinz unless you have been trained and have read and understood this Operator Manual.

Danger!



Make sure all people and obstructions are clear of the VersaBinz before operating the arm or grabber assembly.

Daily Inspection

On a daily basis, perform a visual inspection of the VersaBinz before beginning collection operations. Look for leaks, cracks, loose hardware, damaged hoses, worn parts, missing decals, and debris buildup around moving components.

Approaching the Vehicle

As you approach the vehicle, check for people, vehicles, obstructions, debris, or conditions that could interfere with inspection or operation. Ensure the vehicle is parked safely with enough clearance, then inspect the VersaBinz for visible damage, loose components, leaks, worn parts, and debris around moving components

Visual Inspection

To perform the daily inspection:

1. Park the vehicle on safe, level ground.
2. Apply the parking brake (See Figure 3-3).
3. Start the engine and engage the hydraulic pump according to the front loader Operator Manual.
4. Slowly operate the VersaBinz through a controlled range of movement.
5. Open and close the grabber assembly to verify proper operation.
6. Return the VersaBinz to a safe inspection position.
7. Turn off the hydraulic pump and shut down the engine if inspection requires personnel to approach the equipment.
8. Inspect the visible components of the VersaBinz.

Danger! Do not stand directly in the path of the VersaBinz arm while performing the inspection.



Warning! Follow the lockout/tag-out procedure before entering hazardous areas, approaching pinch points, or performing any inspection that requires access near moving components.



During the inspection, check the following items:

- ♦ Arm structure.
- ♦ Grabber assembly.
- ♦ Mounting bolts and visible fasteners.
- ♦ Hydraulic cylinders.
- ♦ Hydraulic hoses and fittings.
- ♦ Pivot points.
- ♦ Wear pads and slide areas
- ♦ Safety decals.
- ♦ Warning lights and indicators, if equipped.
- ♦ Debris buildup around moving components.

NOTE: Do not operate the VersaBinz if any unsafe condition is found. Report damage, leaks, abnormal movement, unusual noise, or missing components to a supervisor or maintenance personnel.

Figure 4-1 VersaBinz Arm Assembly

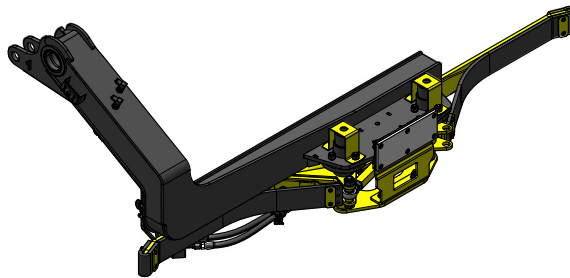


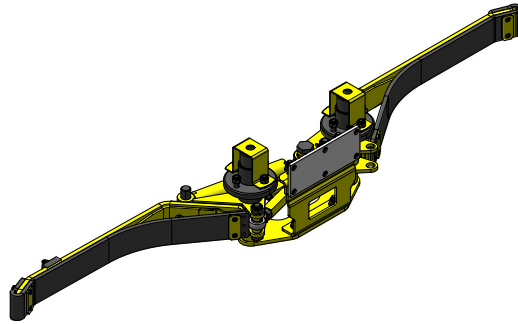
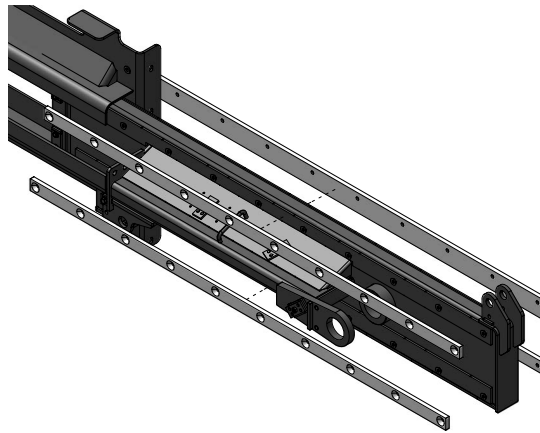
Figure 4-2 VersaBinz Grabber

Figure 4-3 VersaBinz Wear Pads and Slide Area

VersaBinz Hydraulic System

The VersaBinz is powered by the hydraulic system of the host vehicle. Hydraulic pressure is used to extend, retract, raise, lower, open, and close the arm and grabber assembly.

Operators must inspect visible hydraulic components before use. Look for leaking hoses, damaged fittings, loose connections, damaged cylinders, and signs of rubbing or wear. Hydraulic leaks can cause equipment malfunction and create unsafe operating conditions.

Warning! Never use hands or fingers to check for hydraulic leaks. Escaping hydraulic fluid under pressure can penetrate the skin and cause serious injury.



Do not attempt to adjust hydraulic pressure, relief valves, holding valves, cylinders, or flow settings. These procedures must be performed only by qualified maintenance personnel.

If the VersaBinz moves slowly, does not respond properly, leaks hydraulic oil, or moves unexpectedly, stop operation and report the condition immediately.

Arm Operation

The VersaBinz arm positions the grabber assembly during collection. The arm must be operated smoothly and only when the surrounding area is clear.

Before operating the arm:

- ♦ Make sure the vehicle is properly positioned.
- ♦ Make sure the parking or work brake is applied, if required by company procedure.
- ♦ Verify that the collection area is clear of people, vehicles, and obstructions.
- ♦ Check for overhead hazards.
- ♦ Confirm that the container is suitable for collection.
- ♦ Verify that the grabber assembly is open and ready to engage the container.

Operate the arm using controlled joystick or switch movement. Avoid sudden movements that may cause container instability, equipment damage, or unsafe operation.

Warning! Make sure there is enough clearance around the VersaBinz and the container before extending, raising, lowering, or retracting the arm.



Arm Travel Positions

The VersaBinz must be placed in the proper travel position before the vehicle is moved. The required position depends on the distance traveled, vehicle speed, driving position used, route conditions, and company policy.

IMPORTANT: Company policy must always be followed. If company policy is more restrictive than the guidelines in this manual, the company policy shall apply.

Danger! Do not drive the vehicle with the VersaBinz extended, raised, or positioned where it may strike a person, vehicle, overhead obstruction, or fixed object.

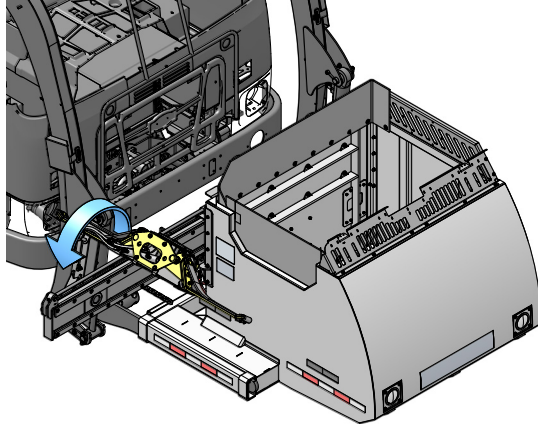


Short-Distance Travel

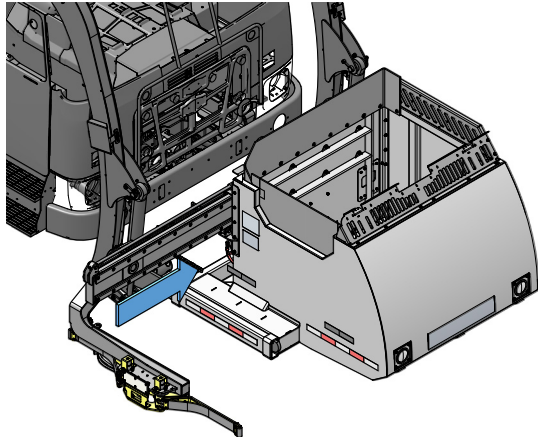
Short-distance travel is defined as travel less than 1 mile (1.6 km), travel between collection stops, or travel at speeds of 10 mph (16 km/h) or less, provided the curbside driving position is used and company policy permits this method of travel.

For short-distance travel, position the VersaBinz as follows:

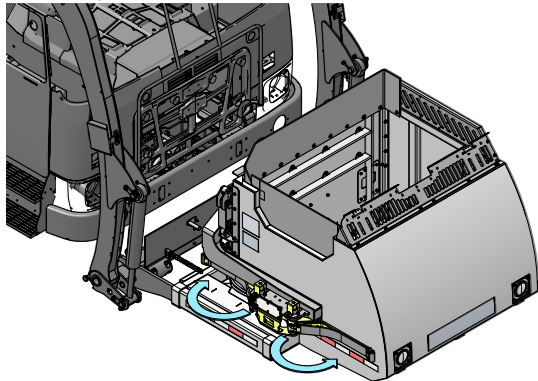
1. Lower the VersaBinz S-Boom completely.



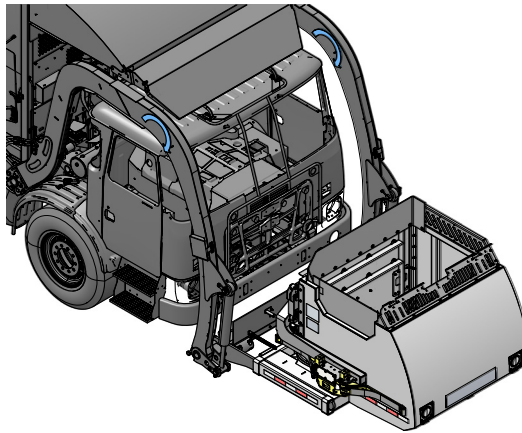
2. Fully retract the slide.



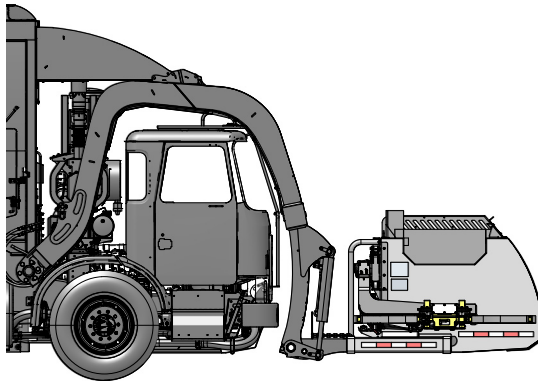
3. Fully open the grabber fingers.



4. Lower the arms in front of the cab of the collection vehicle.



5. Keep the VersaBinz level to the ground.



6. Lower the VersaBinz onto the cradles, if equipped.
7. Verify that the travel path is clear before moving the vehicle.

Raise the VersaBinz only as needed to clear irregularities in the road surface, such as dips, bumps, driveway transitions, or other route conditions. Do not raise the VersaBinz higher than necessary for short-distance movement.

Warning! Account for the increased front clearance required when turning with the VersaBinz positioned in front of the cab. The operator must maintain clear visibility of the roadway, surrounding vehicles, pedestrians, and fixed objects at all times.

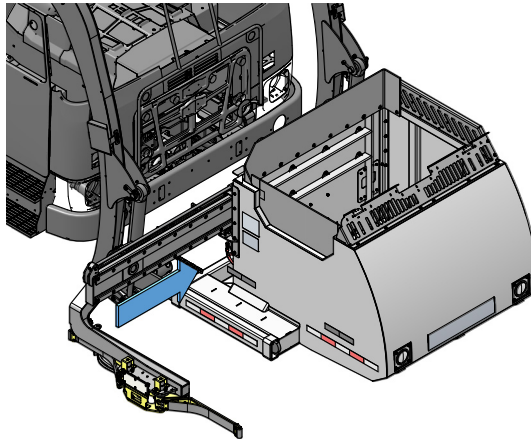


Long-Distance Travel

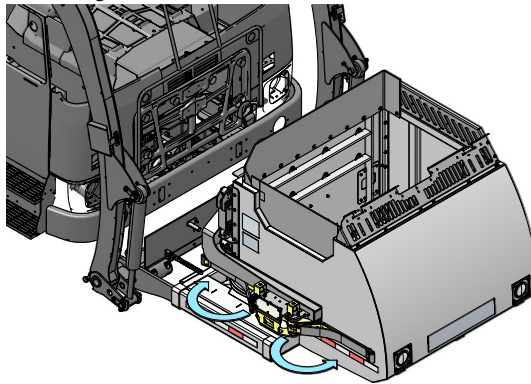
Long-distance travel is defined as travel over 1 mile (1.6 km), travel at speeds greater than 10 mph (16 km/h), travel to the route, travel to the dump site, travel through intersections, travel on public roadways between route areas, or any time the street-side driving position is used.

For long-distance travel, position the VersaBinz as follows:

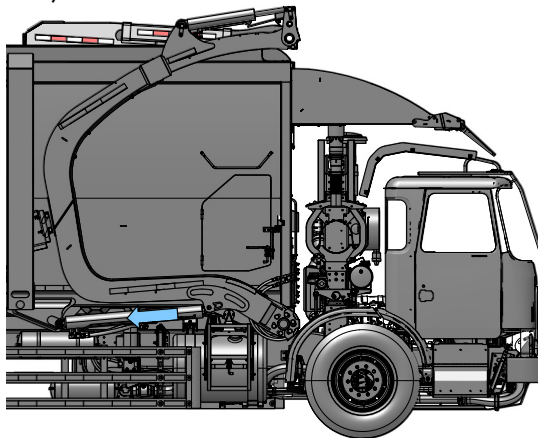
1. Fully retract the slide.



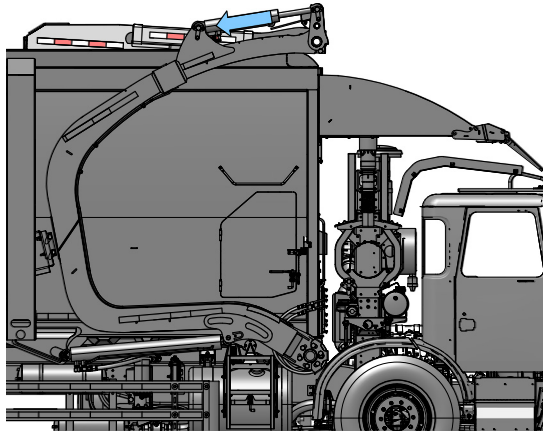
2. Fully open the grabber fingers.



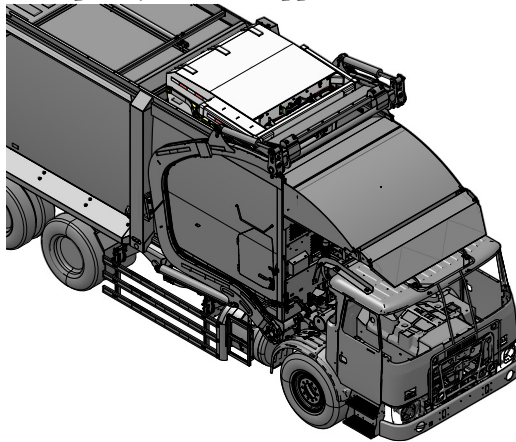
3. Fully retract the arm cylinders.



4. Fully retract the fork cylinders.



5. Stow the VersaBinz completely into the hopper.



6. Verify that the VersaBinz is secured in the stowed position.
7. Confirm that all warning indicators show the correct travel condition before moving the vehicle.

The VersaBinz must be fully stowed for long-distance travel, travel to or from the route, travel to the dump site, or any travel condition where increased speed, reduced maneuvering space, or reduced operator visibility may create a hazard.

Danger!

Do not operate the vehicle at long-distance travel speeds unless the VersaBinz is fully stowed and secured. Failure to properly stow the VersaBinz before travel may result in equipment damage, property damage, personal injury, or death.

Travel Position Verification

Before moving the vehicle, verify the VersaBinz travel position using the available mirrors, cameras, indicators, and direct observation from the operator position. Confirm that the VersaBinz is not extended, raised, or positioned where it may contact the roadway, vehicles, overhead obstructions, pedestrians, or fixed objects.

IMPORTANT: If the VersaBinz is equipped with an automatic hydraulic lock, verify that the system is properly stowed and secured before travel. Do not move the vehicle if the operator cannot confirm the correct travel position.

Arm Limit Switches and Warning Indicators

The VersaBinz may be equipped with limit switches, proximity switches, warning lights, or indicators that assist the operator in identifying arm position and system status. These devices are intended to help prevent unsafe operation and equipment damage.

Operators must understand the meaning of all indicators before operating the equipment. If an arm position warning, system warning, or unexpected indicator is active, stop operation and determine the cause before continuing.

IMPORTANT: Do not bypass, disable, or ignore limit switches, warning lights, alarms, or system indicators.

Danger!



Position indicators and warning systems must function properly. If the operator cannot confirm that the VersaBinz is fully stowed or properly positioned, do not move the vehicle.

Adjustment, testing, or replacement of limit switches and proximity switches must be performed only by qualified maintenance personnel.

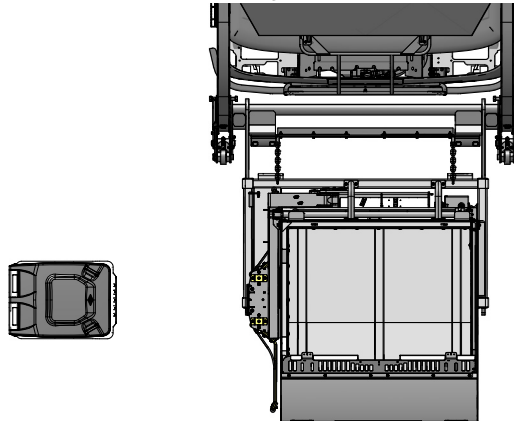
Grabber Assembly

The grabber assembly secures the container during the collection cycle. The grabber arms close around the container, hold it during the lift and dump operation, and release the container after it has been returned to the ground.

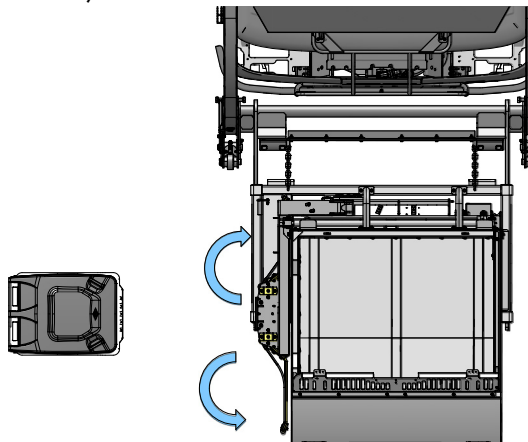
Before using the grabber assembly, verify that the container is properly positioned and free of obstructions. Do not close the grabber on people, objects, damaged containers, or containers that are not approved for collection.

To collect a container:

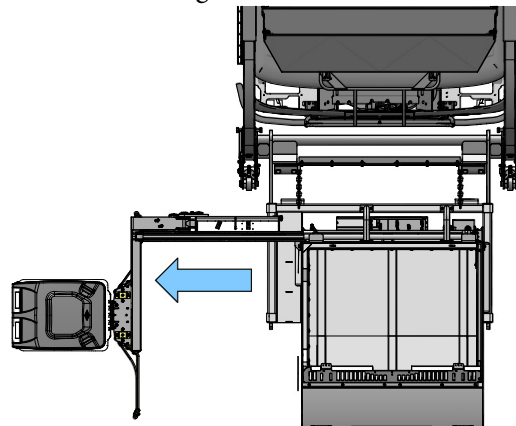
1. Position the vehicle so the VersaBinz is aligned with the container.



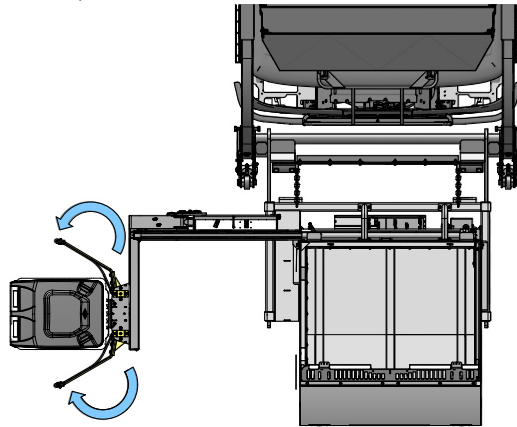
2. Open the grabber assembly.



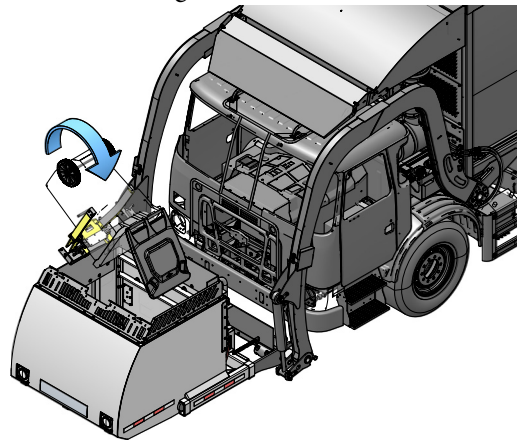
3. Extend or position the arm until the grabber is around the container.



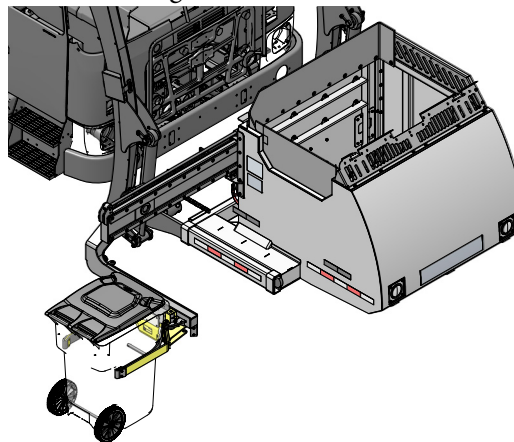
4. Close the grabber assembly until the container is secured.



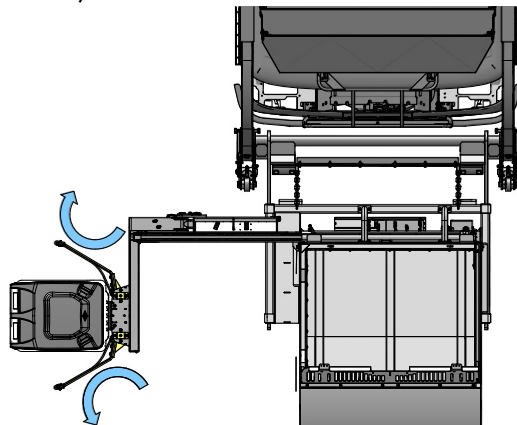
5. Verify that the container is stable before lifting.
6. Raise and dump the container using smooth, controlled movement.



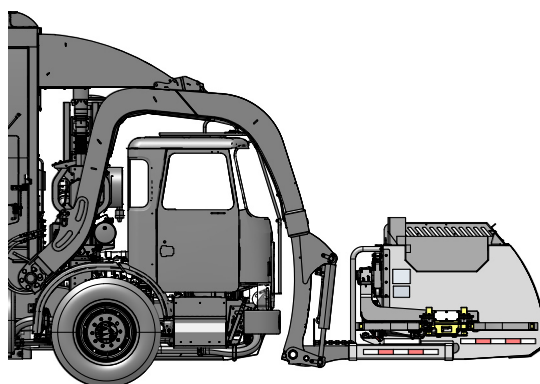
7. Lower the container back to the ground.



8. Open the grabber assembly to release the container.



9. Return the arm to the travel position.



Caution! Do not crush, twist, or side-load the container with the grabber assembly. Improper grabber operation may damage the container or the VersaBinz.



Automatic Stow Assist Harness

The VersaBinz control harness includes an automatic stow assist feature installed inside the cab of the collection vehicle. This feature is part of the standard control harness and is not located on the VersaBinz assembly itself.

The automatic stow assist harness connects to the in-cab pneumatic joystick controls. Pressure switches in the harness detect when the front loader arm or forks are commanded upward. When this input is detected, a timer relay sends momentary signals to the VersaBinz control functions.

When activated, the automatic stow assist feature commands the VersaBinz arm to retract, lowers the arm, and opens the grabber for a short period of time. This helps move the VersaBinz toward the stowed position when the front loader arm or forks are operated from the in-cab joystick.

NOTE: If the VersaBinz does not retract, lower, or open the grabber as expected when the front loader arm or forks are operated, stop operation and report the condition to maintenance personnel.

Warning!



The automatic stow assist feature does not replace operator awareness or proper stowing procedures. The operator must always verify that the VersaBinz is fully stowed and clear of obstructions before moving the vehicle, operating the front loader arms or forks, or traveling between stops.

Caution!



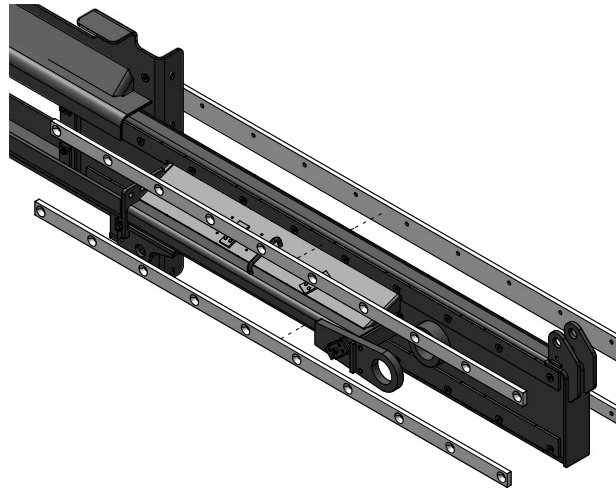
Do not rely solely on the automatic stow assist feature to confirm proper travel position. Always verify the position of the VersaBinz using mirrors, cameras, indicators, and direct observation from the operator position.

Wear Pads and Slide Areas

Wear pads and slide areas support arm movement and help guide the VersaBinz during operation. Operators must visually inspect these areas for obvious wear, damage, missing parts, loose components, or debris buildup.

Do not operate the VersaBinz if wear pads appear missing, severely worn, damaged, or out of position. Report any abnormal wear or looseness to maintenance personnel.

Do not attempt to replace, adjust, or service wear pads unless authorized and trained to do so. Wear pad replacement and adjustment are maintenance procedures.

Figure 4-4 Wear Pads and Slide

Lubrication

The VersaBinz must be properly lubricated before operation. Proper lubrication helps reduce component wear and supports reliable operation.

Operators must verify that required lubrication has been completed according to company procedures and the lubrication information provided with the unit. If lubrication is missing, overdue, or uncertain, report the condition before operating the equipment.

Warning! Operating the VersaBinz without proper lubrication may cause premature wear, component damage, or unsafe operation.



Refer to the VersaBinz Maintenance Manual for lubrication points, lubrication intervals, and lubricant requirements.

Abnormal Operation

Stop operation immediately if any of the following conditions occur:

- ♦ Unexpected arm or grabber movement.
- ♦ Slow or delayed hydraulic response.
- ♦ Jerky or uneven movement.
- ♦ Hydraulic leak.

- ◆ Abnormal noise.
- ◆ Container instability.
- ◆ Warning indicator that does not clear.
- ◆ Damaged or missing safety decal.
- ◆ Loose, cracked, or damaged component.
- ◆ Any condition that may affect safe operation.

Secure the vehicle, place the controls in neutral, and report the condition to a supervisor or maintenance personnel. Do not return the VersaBinz to service until the condition has been corrected.

Returning the VersaBinz to Service

Before returning the VersaBinz to service after an inspection concern, maintenance repair, or abnormal operating condition, confirm that the equipment has been inspected and released according to company procedures.

Operate the VersaBinz slowly through a controlled function check before resuming collection. Confirm that the arm extends, retracts, raises, lowers, opens, closes, and returns to the travel position correctly.

NOTE: Do not operate the equipment if any unsafe condition remains.

Cleaning of the VersaBinz

Cleanliness is part of safe operation. The VersaBinz should be kept free of excessive refuse, debris, dirt, and material buildup that could interfere with inspection, visibility, movement, or safe operation.

Before cleaning the VersaBinz, park the vehicle on safe, level ground, apply the parking brake, place all controls in neutral, and make sure the VersaBinz is fully returned to the travel position. Do not place hands, tools, or any part of the body near moving components, pinch points, hydraulic cylinders, or the grabber assembly while the system is active.

Warning! Follow company lockout/tag-out procedures before cleaning near moving components, pinch points, or any area where unexpected movement could occur.



During cleaning, remove visible debris from around the arm assembly, grabber assembly, slide areas, pivot points, and any location where material buildup may prevent proper movement or inspection. Clean safety decals, lights, mirrors, camera lenses, and visibility aids so they remain readable and usable during operation.

Do not use excessive water pressure directly on electrical connectors, control components, sensors, switches, decals, or warning labels.

NOTE: Report damaged decals, loose components, hydraulic leaks, or abnormal conditions found during cleaning.

Preparing the Unit Before Departure

Before leaving the route, confirm that the VersaBinz is ready for safe travel. The arm must be fully retracted and returned to the travel position, the grabber assembly must be properly positioned, and no part of the VersaBinz may extend into an unsafe travel position.

Before departure, verify the following:

- ♦ The VersaBinz is fully returned to the travel position.
- ♦ The grabber assembly is properly positioned.
- ♦ No debris is lodged around moving components.
- ♦ Safety decals, lights, cameras, and mirrors are clean and visible.
- ♦ No hydraulic leaks or damaged components are visible.
- ♦ No warning indicators are active.
- ♦ The vehicle is safe to move.

Do not move the vehicle if the VersaBinz is not fully secured for travel.

Warning! Driving with the VersaBinz extended, raised, or improperly positioned may result in equipment damage, property damage, personal injury, or death.



Shut-Down Procedure

At the end of the route or when the vehicle is being parked, the operator must follow the proper shut-down procedure. The shut-down procedure helps ensure that the vehicle and VersaBinz are left in a safe condition.

To shut down the unit:

1. Park the vehicle on safe, level ground.
2. Apply the parking brake (See Figure 3-3).
3. Return the VersaBinz to the travel position.
4. Make sure all controls are in neutral.
5. Turn OFF the hydraulic system according to the front loader Operator Manual.
6. Shut down the engine according to the chassis manufacturer's instructions.
7. Remove the ignition key as required by company procedure.

8. Complete any end-of-shift inspection or report required by the employer.

NOTE: After shutdown, visually inspect the VersaBinz for damage, leaks, abnormal wear, or debris buildup. Report any unsafe condition before the next operation

End-of-Shift Inspection

At the end of each shift, inspect the VersaBinz for visible damage or abnormal conditions. The operator should look for hydraulic leaks, damaged hoses, loose hardware, cracked welds, worn parts, missing decals, damaged lights, damaged camera equipment, and debris around moving components.

NOTE: Any condition that may affect safe operation must be reported to a supervisor or maintenance personnel. Do not return the unit to service until the condition has been corrected.

Emergency Actions

If an unsafe condition occurs during operation, stop the VersaBinz immediately. Place the controls in neutral, secure the vehicle, and determine whether the condition can be safely corrected by the operator or must be reported to maintenance personnel.

Emergency conditions may include:

- ◆ Unexpected arm or grabber movement.
- ◆ Loss of hydraulic function.
- ◆ Hydraulic oil leak.
- ◆ Container instability.
- ◆ Contact with an obstruction.
- ◆ Contact with overhead wires or electrical equipment.
- ◆ Warning indicator that does not clear.
- ◆ Abnormal noise, vibration, or movement.
- ◆ Any condition that places personnel, the vehicle, or surrounding property at risk.

NOTE: Do not continue operation until the cause of the unsafe condition has been identified and corrected.

Contact with Overhead Electrical Lines

If the VersaBinz, vehicle, or container contacts an overhead electrical line, remain in the cab if it is safe to do so. Do not touch metal parts inside the cab and do not allow anyone to approach the vehicle.

Warn others to stay away from the vehicle and contact emergency services immediately. Do not attempt to move the vehicle or equipment unless instructed by qualified emergency personnel or unless remaining in place creates a greater hazard.

Danger! Contact with overhead electrical lines may energize the vehicle and surrounding ground. Serious injury or death may occur if personnel approach or touch the vehicle.



Hydraulic Oil Spill

If a hydraulic oil spill occurs, stop operation immediately. Park the vehicle safely, secure the equipment, and notify a supervisor or maintenance personnel.

Keep personnel away from the spill area and follow company spill response procedures. Do not continue operating the VersaBinz if hydraulic fluid loss, hose damage, fitting damage, or leakage is present.

Warning! Hydraulic oil may create a slip hazard and may be under pressure. Do not use hands or fingers to locate hydraulic leaks.



Container or Equipment Contact

If the VersaBinz contacts a vehicle, structure, container, utility pole, mailbox, fence, overhead object, or other obstruction, stop operation immediately. Secure the vehicle and inspect the VersaBinz from a safe location.

Report the incident according to company procedure. Do not continue operation if the arm, grabber assembly, hydraulic system, structure, controls, sensors, or warning devices may have been damaged.

Loss of Control or Unexpected Movement

If the VersaBinz moves unexpectedly or does not respond correctly to the controls, stop operation immediately. Place the controls in neutral, turn OFF the hydraulic system when safe, and secure the vehicle.

Do not attempt to continue collection operations until the condition has been inspected and corrected by qualified personnel.

Returning to Operation After an Emergency

Before returning the VersaBinz to operation after an emergency condition, confirm that the equipment has been inspected and released according to company procedures.

Operate the VersaBinz slowly through a controlled function check before resuming collection.

Confirm that the arm, grabber assembly, controls, indicators, and travel position function correctly.

Do not operate the VersaBinz if any unsafe condition remains.



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LabriePlus Service: labrieplusservice@labriegroup.com
LabriePlus Warranty: labriepluswarranty@labriegroup.com

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Part # 000000



