



EarthBin®

USER GUIDE





# EarthBin®

## **Welcome to your new waste management solution**

We value you as a customer and wish you many years of safe and satisfied use of your EarthBin. The EarthBin is designed with the user in mind and features many benefits and features, such as a low feed height, locking lids and both front and rear feed doors. The EarthBin is engineered to remain solidly in the ground for many, many years to come. The EarthBin is manufactured by a team of highly skilled and dedicated professionals and technicians using comprehensive quality processes to ensure your satisfaction and trouble-free use of the product.

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# 1.0 Introduction

## 1.1 Using Your Operator's Manual

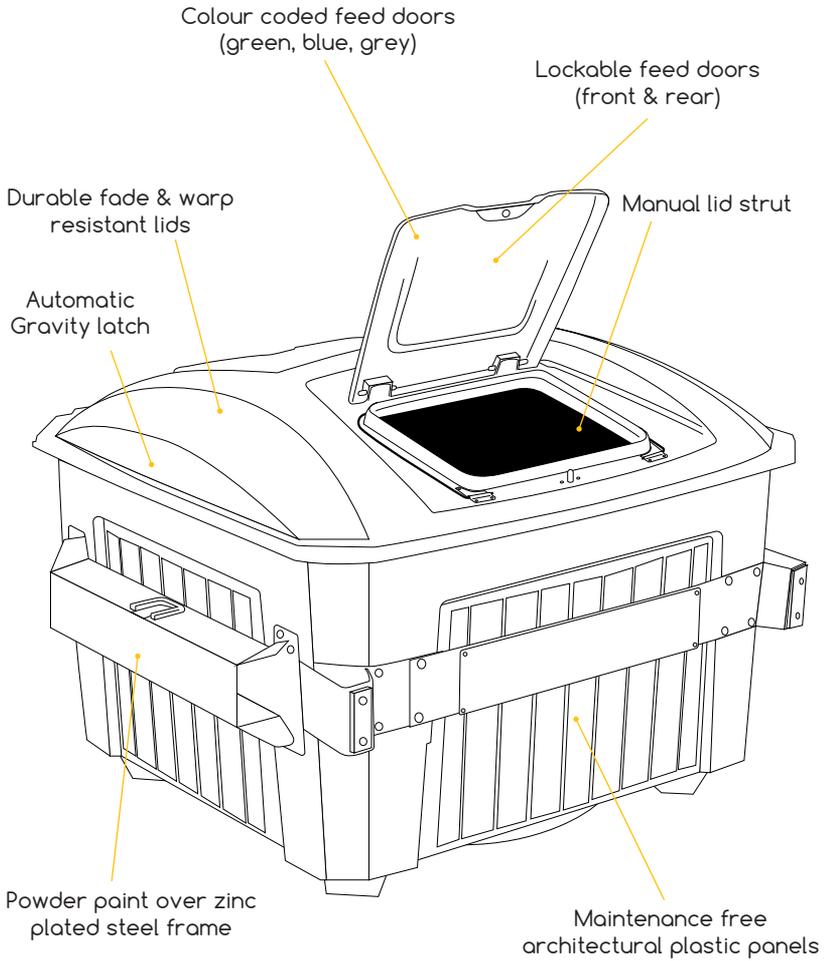
Reading and understanding your operator's manual will help you and others to avoid personal injury. The information contained in this manual will provide the operator with the safest and most effective use of the equipment. By understanding the contents of this manual, you will be able to train others who may also use this equipment.

The equipment shown in this manual may be slightly different from your equipment, but will be similar enough to help you understand the instructions.

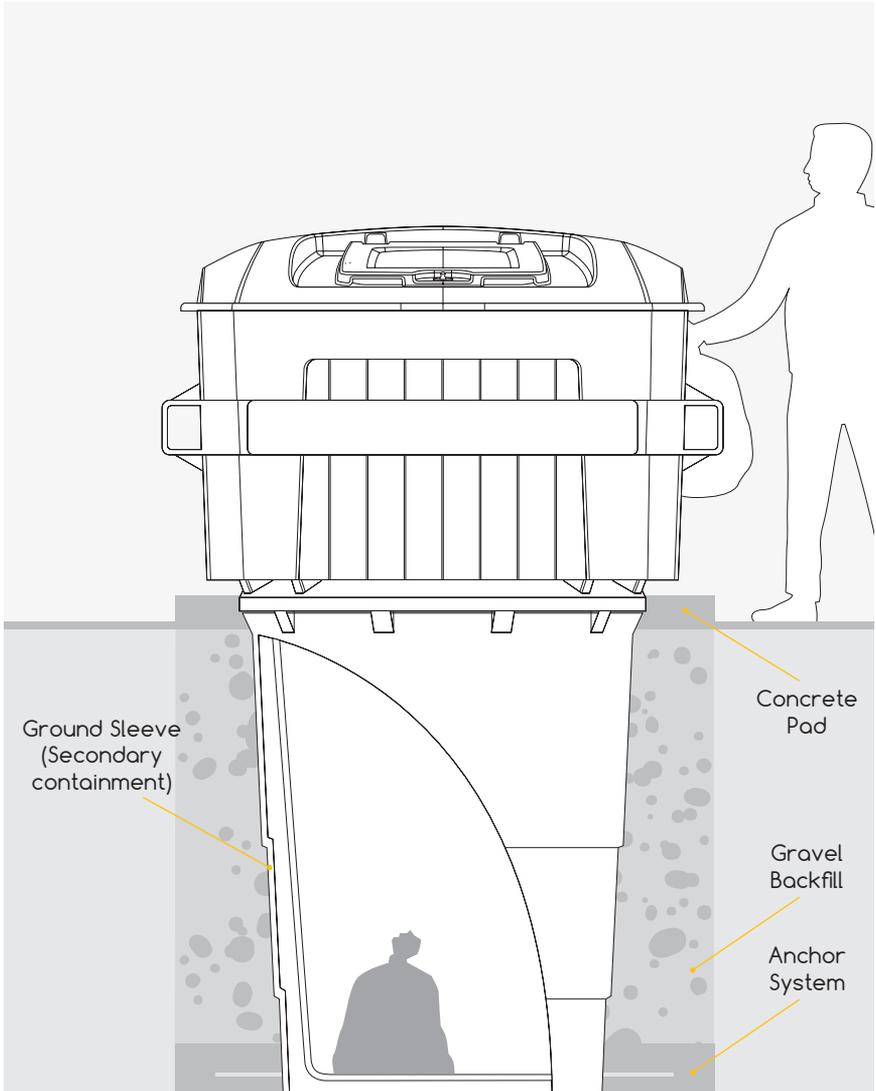
## 1.2 Engineering Improvements

One of our objectives as a company is to continuously improve all of our products. Periodically, we may modify the design or appearance of the EarthBin. Therefore, some of the changes or modifications may not be described or shown in this manual.

## 2.0 The Earthbin

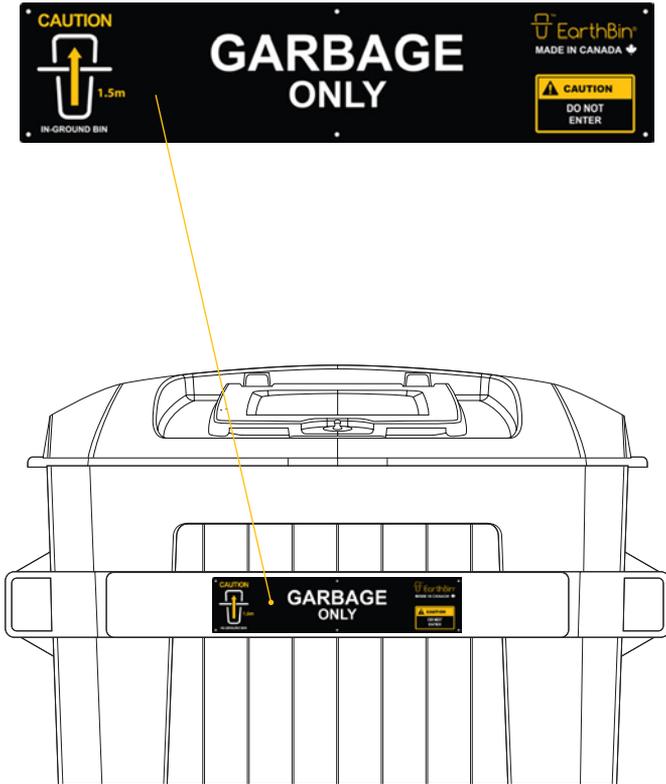


## 2.1 Elevation View

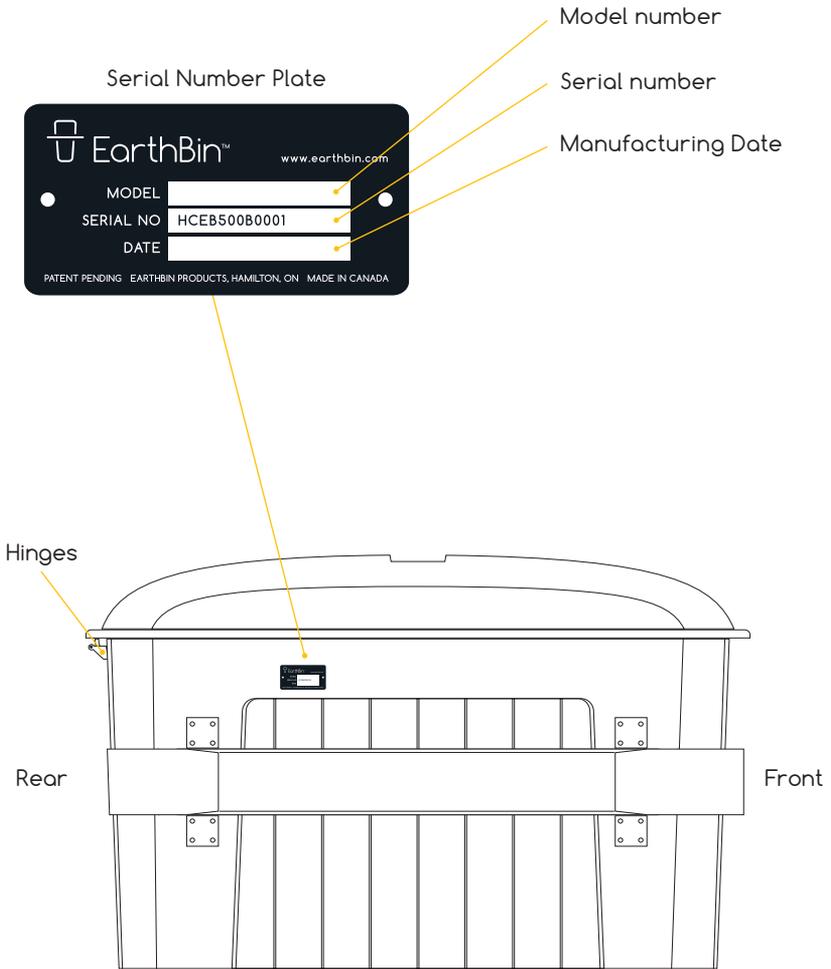


## 3.0 Decals and Signage

### 3.1 Front view



### 3.2 Side view



## 4.0 Loading the EarthBin

To ensure longevity of the EarthBin, and maintain its appearance, and to prevent damage, the following guidelines are recommended:

### DO

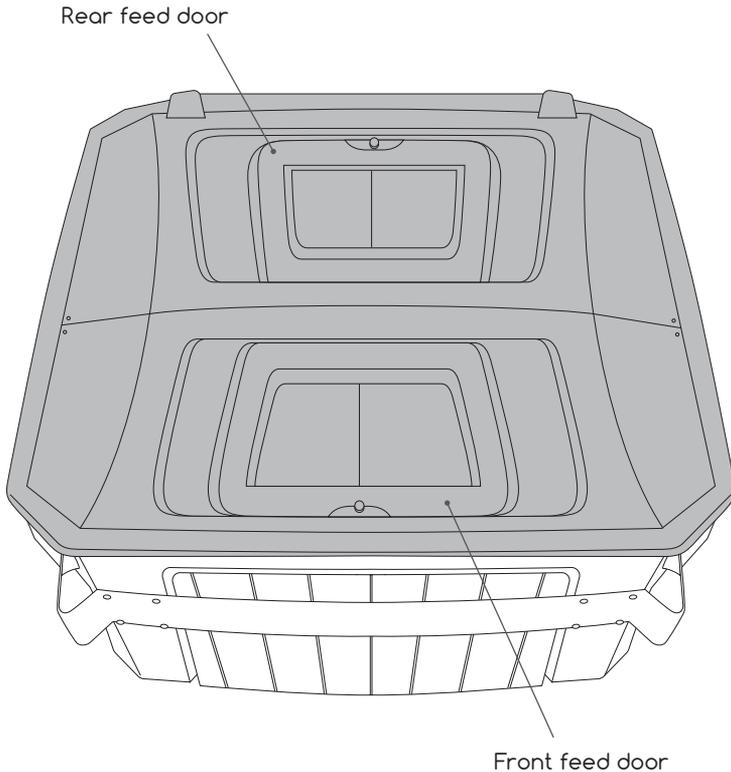
- ✓ Educate the users about the EarthBin.
- ✓ Ensure that there are no materials on top of the EarthBin lid prior to servicing with the truck.
- ✓ Remove snow from around the EarthBin by maintaining a walkway for users to load the front and rear feed doors and to allow proper truck access.
- ✓ Remove snow from the EarthBin lid & feed doors so that the feed doors may be easily opened.

## DO NOT

- ✘ Dispose of metal in the EarthBin including bicycle frames and long steel poles as this type of waste may damage the bin.
- ✘ Dispose of heavy stone, concrete, masonry, asphalt or steel construction or demolition wastes in Earthbin.
- ✘ Dispose of waste which is on fire (or very hot) such as grilling coals or hot ashes in Earthbin.
- ✘ Dispose of hazardous wastes, corrosive chemicals, toxic or reactive wastes in Earthbin.
- ✘ Leave the feed door propped open when not in use as this allows odours to escape, attracts animals and pests, allows waste to blow around, encourages illegal dumping and allows rain water to enter, which could result in higher lift costs.
- ✘ Climb on or enter into the EarthBin.
- ✘ Exceed the maximum capacity for the container of 1,250 kg (2,750 lbs).
- ✘ Stand within 20 metres of the container during servicing by the truck.

## 5.0 Main Service Lid

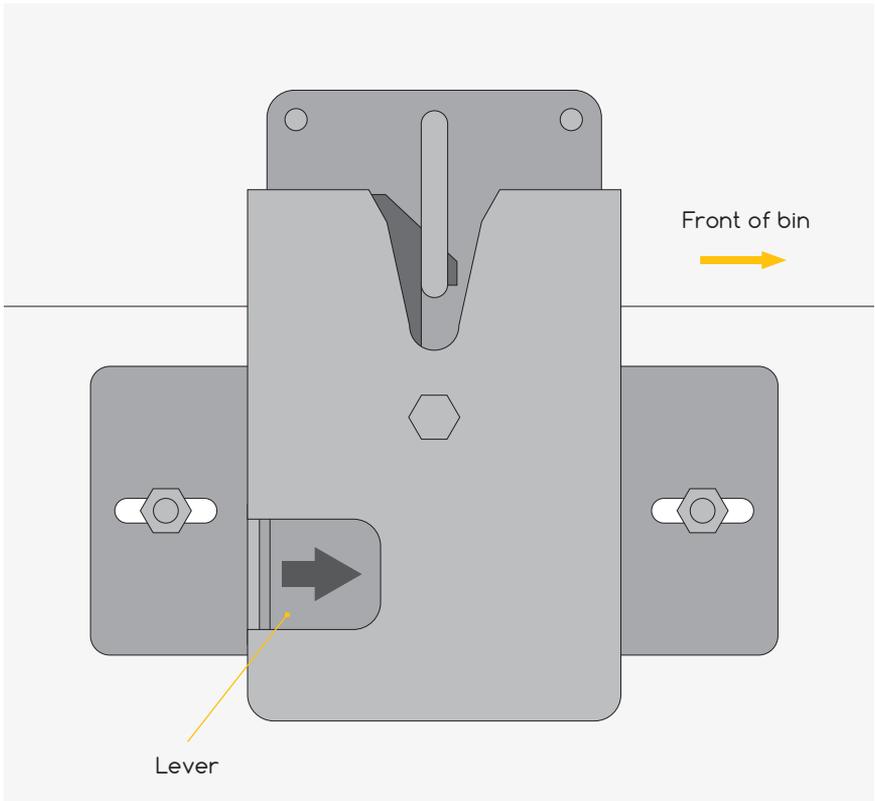
There are two (2) automatic gravity latches on the inside of each side of the service lid that are released when the bin is tipped by the truck. The latches lock the bin lid again once lowered into the ground sleeve. The gravity latches may be released by unlocking one of the feed doors and pushing on the gravity latch with a pole or broom handle while the lid is lifted at the front of the bin. By opening the main service lid, larger items may be discarded into the bin. The truck driver does not have to unlock the feed doors to service the bin.



## 5.1 Using the Gravity Latch

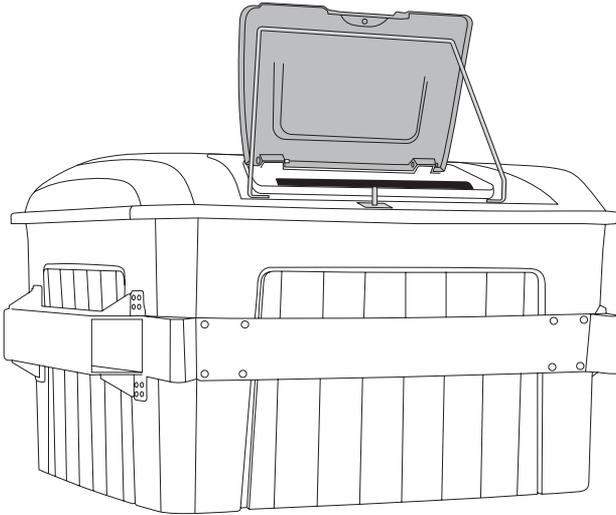
The gravity latch may be actuated by opening the REAR feed door and pushing the lever forward (shown with arrow) using a broom handle to disengage the latch. Then someone can lift up the front of the lid on the same side as the gravity latch. Once one side has been lifted, then the broom handle may be used to push on the other side, which then releases the entire main lid. This allows the operator to deposit larger items into the bin.

View of bin interior showing gravity latch

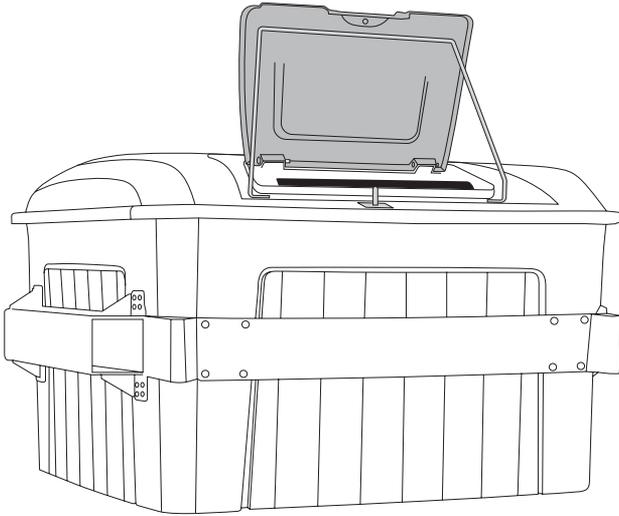


## 6.0 Feed Doors

The EarthBin comes equipped with two (2) feed doors front and rear that allow the user various loading options. The use of both feed doors is recommended as the owner will maximize capacity and possibly reduce the number of pick-ups required by the service truck. In some sites, it may be advantageous to use only the rear feed door, as there may be a roadway in front of the bin.



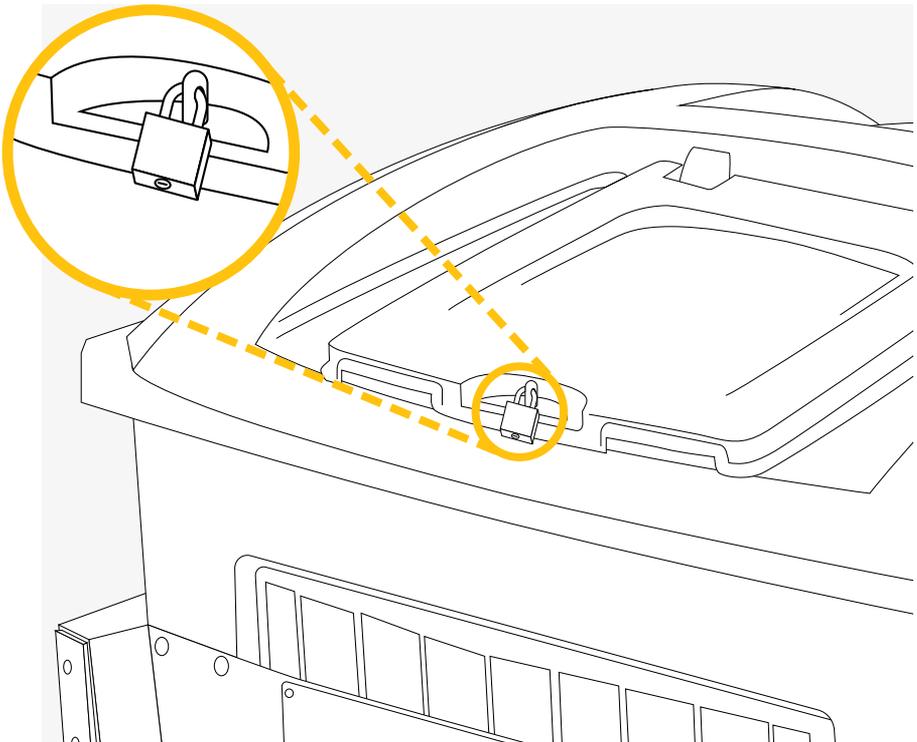
Waste or recycling feed opening



Cardboard feed slot

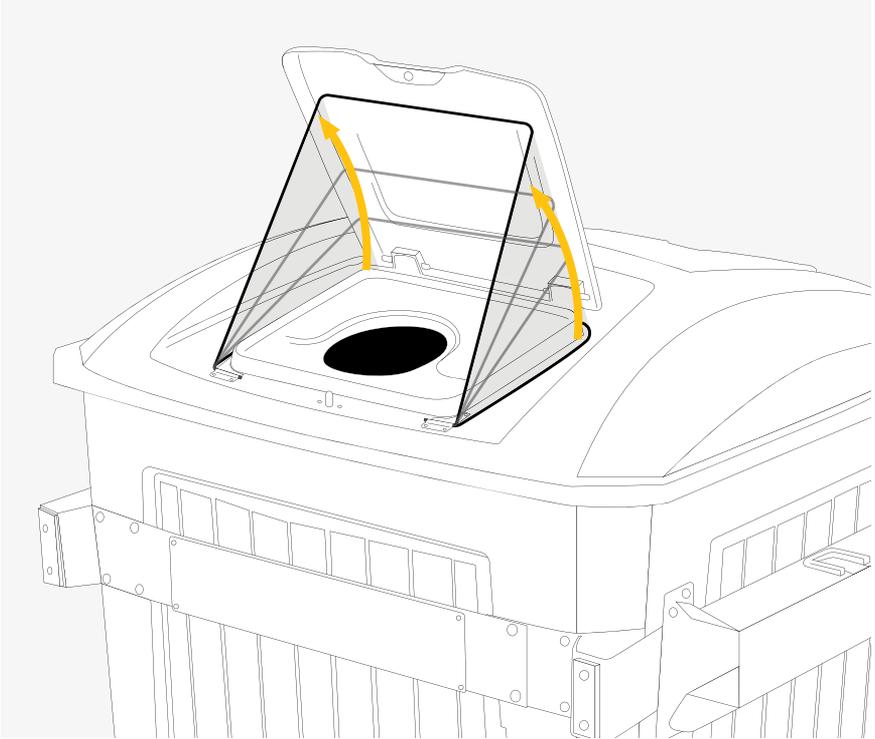
## 6.1 Locking and Unlocking the Feed Door – Padlock

The EarthBin comes equipped with provision to install a padlock on both front and rear feed doors. It is the responsibility of the site manager or owner to secure the bin by locking the feed doors.



## 6.2 Using the Lid Strut

Some models of the EarthBin are equipped with a manually operated feed door lid strut. Lift the feed door with one hand and then lift the lid strut upwards until it holds the feed door in the open position.



## 7.0 Servicing EarthBin with a Front Load Truck

The EarthBin has an approximate capacity of 5000 litre (6.5 cubic yard) and is primarily made of polyethylene plastic so that it maintains a great appearance for many years. More than half of the height of the bin is buried underground. For this reason, care is required when lifting the bin out of the plastic ground sleeve.

The plastic ground sleeve is round, which allows the bin to rotate left or right to account for any misalignment of the truck with the bin body. When the bin is empty, it can be manually rotated if better alignment with the truck is required at any time.

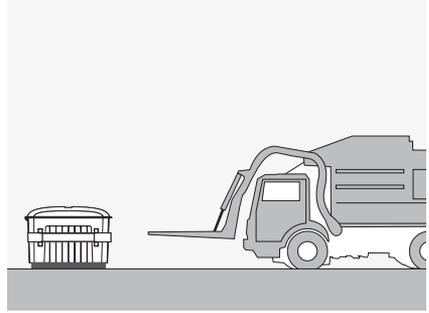
The advantage of the in ground design is that the driver does not need to exit the truck to service the bin because there are no gates to open or close. This is not only safer for the driver, but it allows for faster service times with less interruption to the site. In addition, valuable building space may be allocated to functions other than the storage of waste.

The owner of the EarthBin is responsible to inform the users and the waste hauler company in the proper and safe handling of the product. EarthBin Products has many resources available to provide education and training to the haulers. Please contact us at 1-844-213-BINS (2467) or [earthbin@earthbin.com](mailto:earthbin@earthbin.com)

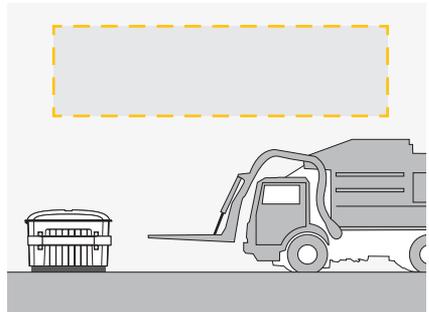
## 7.1 Steps to Servicing by a Front End Load Truck (FEL)

Note: Consult additional documentation for more detail.

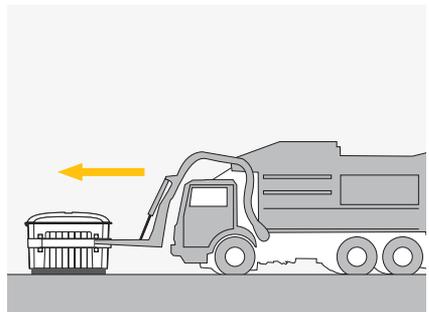
1. Approach the bin slowly, taking care to align the truck with the steel side sleeves on the bin.

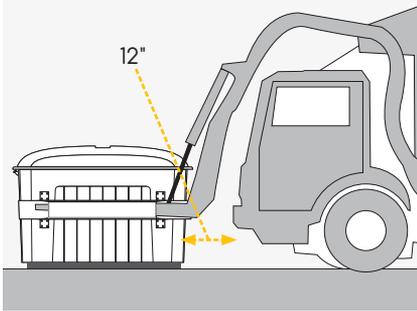


2. Watch for any overhead obstructions, as the bin is taller than a steel bin when it is tipped.

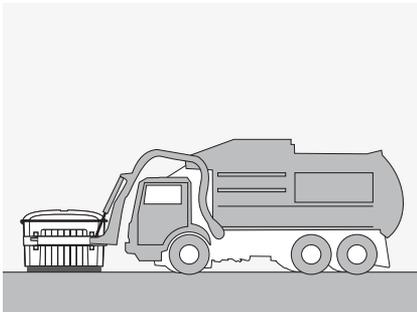


3. Maintain the forks parallel to the ground as the truck is driven forward into the sleeves.

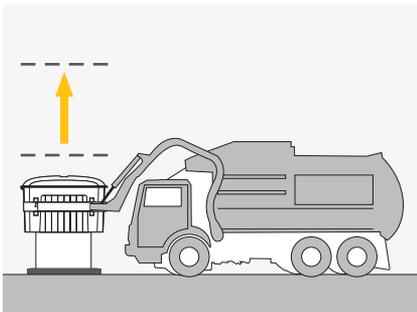




4. Stop and park the truck within about .3 meters (12 inches) of the truck bumpers contacting the bin.

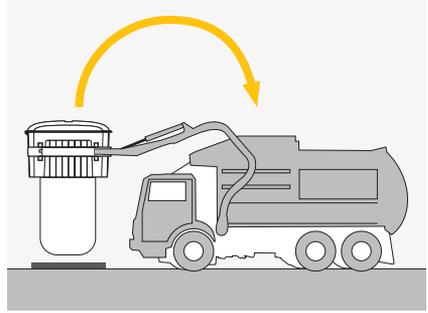


5. Ensure that the area is free and clear.

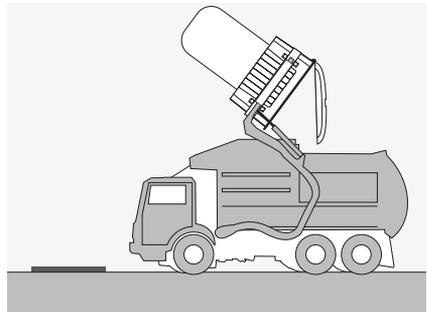


6. Raise the truck boom cylinders, while maintaining the truck forks parallel with the ground. The bin will slide forward on the forks. Do not allow the bin to press against the inside of the ground sleeve. This is done by adjusting the fork cylinders AND the boom cylinders.

7. Once the bottom of the bin is clear of the ground sleeve opening, the boom can be lifted without adjusting the fork cylinders.

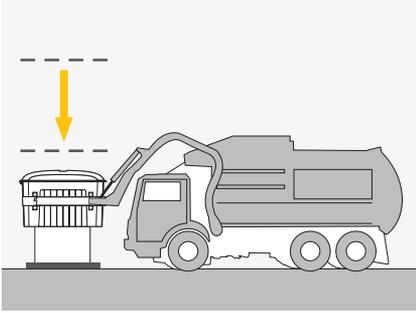


8. It is not necessary to shake the bin since the plastic is slippery and material dislodges much more readily than with a steel bin.

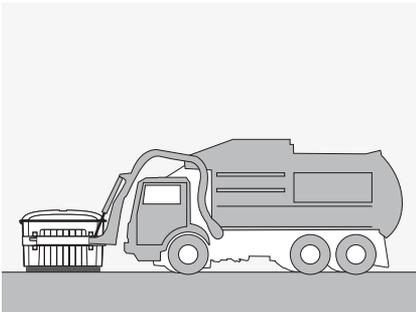


9. Once emptied, lower the boom down until the bottom of the bin starts to enter the sleeve.

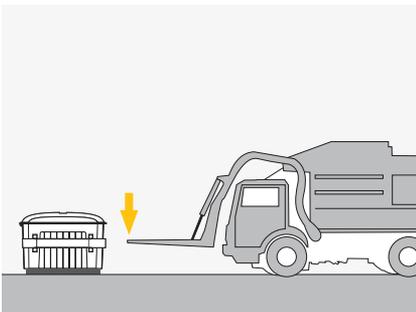




10. Take care to make sure that the truck forks remain parallel with the ground as the bin is lowered all the way into the ground sleeve. Do not allow the bin to press against the inside of the ground sleeve.



11. The bin will automatically self-centre in the ground sleeve as it starts to rest on the rim.



12. Take care when reversing to tilt forks down slightly such that hook does not catch side sleeve.

## 8.0 Maintenance of the EarthBin

Typically there is very little maintenance required for the EarthBin.

Normal wear and tear on the EarthBin should not cause the need for parts replacement or repairs. However, on the occasion that the bin is damaged by the end user, waste hauler or other vehicle, EarthBin Products will need to assess the damage and give an estimate at that time.

The EarthBin container is designed to provide many years of service. Service life depends on the type of waste being deposited and the frequency of service.

Users of this product may only perform the maintenance and service work described in this Owner & Operator manual. All other service work must be carried out by a servicing distributor or by the factory (EarthBin Products). Servicing distributors or authorized service technicians are provided with the necessary training and supplied with the most current technical information in addition to using the proper specialized tools and equipment.

EarthBin Products recommends the use of original EarthBin Products replacement parts in order to avoid the risk of accidents and damage to the product, service vehicle or property.

### 8.1 All accessible screws, bolts & nuts

Retighten or replace as necessary.

### 8.2 Safety labels & decals

Replace illegible safety labels and decals as required.

### 8.3 Cleaning the Earthbin

The EarthBin may be cleaned using a scrub brush, water and a mild detergent to maintain appearance. The exterior of the bin may be washed with a pressure washer fitted with a general purpose 40° nozzle. If the waste being deposited into the container is of such nature that it will adhere to and accumulate on the interior of the bin, a periodic cleaning with a pressure washer fitted with a 15°-25° nozzle may be necessary.

The liquids may be suctioned by a vacuum truck or pumped out using a submersible utility pump or just emptied into the waste truck during the next service (contact your waste service provider).

### 8.4 Cleaning under the bin

The EarthBin is designed such that there is no contact between the bin and the ground. This helps to prevent any materials from becoming trapped between the ground and the bin. The use of a power blower or a pressure washer easily cleans the area underneath the bin. This prevents build up of organics materials and waste, which may cause odour and attract pests.

### 8.5 Repairs to the Earthbin

If the plastic parts become heavily scratched or gouged, the raised plastic may be removed with a sharp utility knife. Appearance may be improved further by gently heating the plastic with a propane torch, which causes the plastic to melt and blend. **DO NOT overheat.**

Damage to the architectural panels may be removed with use of a rasp, file, plane or sandpaper to level the damaged area and blend in to adjacent surfaces.

# 9.0 General Specifications

## Model: EB500

Capacity/Volume:	6.5 cu. yd.	(5000 litres)
Capacity/Weight:	2600 lbs	(1200 kg)
Width (A):	80 in.	(203 cm)
Length (B):	70 in.	(178 cm)
Height (C):	55 in.	(140 cm)
Feed Height (D):	49 in.	(124 cm)
Depth In-Ground (E):	62 in.	(158 cm)
Ground sleeve height above finished grade. (F):	4 in.	(10 cm)
Waste Feed Opening:	19 x 24 in.	(48 x 61 cm)
Cardboard Feed Opening:	3.5 x 24 in.	(9 x 61 cm)
Weight (Empty):	750 lbs	(340 kg)
Configuration:	<ul style="list-style-type: none"> <li>• Rectangular container above-ground;</li> <li>• Round container in-ground which can be rotated</li> </ul>	
Feed Doors:	<ul style="list-style-type: none"> <li>• Two (2) per container (front &amp; rear)</li> <li>• Colour coded to indicate purpose (grey for waste; blue for recycling; green for cardboard)</li> <li>• Lockable feed doors</li> </ul>	
Locks:	<ul style="list-style-type: none"> <li>• Two (2) automatic Gravity Latches on main Service Lid</li> </ul>	
Materials:	<ul style="list-style-type: none"> <li>• Rigid roto-molded premium virgin polyethylene ground sleeve</li> <li>• Rigid roto-molded premium virgin polyethylene bin</li> <li>• Polyethylene vacuum formed (thermoformed)</li> <li>• Service Door &amp; Feed Doors with textured surface finish</li> <li>• Yellow zinc plated steel frame with a Super durable sandtex powder paint</li> <li>• Fastened aluminum anodized signage</li> <li>• 100% Post-consumer recycled plastic architectural panels</li> </ul>	
Other:	<ul style="list-style-type: none"> <li>• Lifting structure conforms to standard Front Load waste trucks</li> <li>• Manual Lid Strut on both feed doors</li> <li>• Durable &amp; fade resistant; non-warping lids and feed doors</li> <li>• Secondary Containment In-Ground System</li> <li>• Cardboard slot is covered and lockable</li> <li>• Patented ground sleeve anchor system</li> <li>• Protective black bumpers</li> <li>• Bin is comprised of two (2) parts</li> <li>• Architectural panels available in optional colours</li> </ul>	

*Note: Specifications may change without notice.*



# EarthBin®

If you have to see, smell, or even think about garbage on your property, you don't have a waste management system. You have a waste problem. Find out what the industry's most innovative thinkers have designed to solve it.

**1-844-213-BINS (2467)**

**[www.earthbin.com](http://www.earthbin.com)**