



Double Wheelie Bin Hitch

Operating Manual

Double Wheelie Bin Hitch Operating Manual – OM0036E

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This manual contains important safety, installation and operating instructions for this hitch. Read this manual thoroughly and completely, and retain for future reference. This hitch can cause serious injury to personnel or damage to property if used incorrectly, therefore do not use this hitch for any other purpose apart from its intended use. Using this hitch incorrectly may void warranty.

Any damage audible or visible to this product should be addressed at the time of discovery. Electrodrive Pty Ltd can provide parts and service support on request through its service partner company:

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Contents

Introduction.....	4
2. Safety information	5
2.1 General safety	5
2.2 Operating safety	5
2.3 Personal protective equipment (PPE)	5
3. Product overview.....	6
3.1 Key features	6
3.2 Components	6
4. Compatibility.....	7
4.1 Tug compatibility.....	7
5. Setup and adjustment.....	11
5.1 Initial installation	11
5.2 Adjusting hitch height	11
6. Operating instructions	12
6.1 Hitching one or two bins.....	12
6.2 Transporting bins	12
6.3 Unhitching bins	12
7. Maintenance	13
7.1 Daily checks.....	13
7.2 Weekly maintenance	13
7.3 Annual or as-needed inspection.....	13
8. Troubleshooting.....	14
9. Storage	15
11. Spare part.....	17
Notes	18

Introduction

The **Double Wheelie Bin Hitch** is designed to allow operators to move one or two standard wheelie bins safely and efficiently using compatible tugs.

The hitch provides an adjustable hitching point to accommodate multiple bin sizes and ensures secure engagement during transport.

Suitability:

Tug Compact, Tug Axis range and Tug Rise.

Application:

For transporting 80–240 litre moulded wheelie bins (adjustable height and width).



2. Safety information

2.1 General safety

- Only trained personnel should operate the hitch.
- Always follow workplace safety procedures and traffic management rules.
- Inspect the hitch before every use.
- Must be used in the forward direction.

2.2 Operating safety

- Never exceed the tug's rated towing capacity.
- Ensure bins are not overloaded beyond their manufacturer limits.
- Maintain clear visibility while towing.
- Do not stand between the tug and the hitch during coupling or uncoupling.
- Do not allow bystanders in the operating area.

2.3 Personal protective equipment (PPE)

- Safety gloves.
- Safety footwear.
- High-visibility clothing (recommended in busy areas).

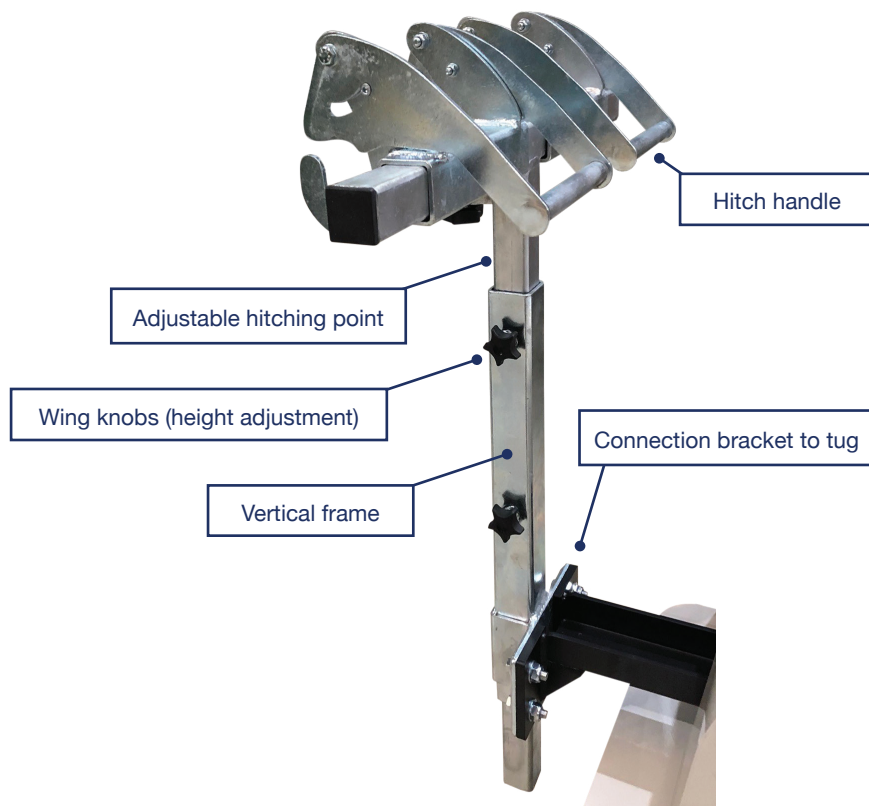
Note: Gloves only necessary if waste is dangerous.

3. Product overview

3.1 Key features

- **Dual-bin hitching capability** – move up to two wheelie bins simultaneously.
- **Adjustable height** – controlled by two side-mounted wing knobs.
- **Simple hitching/unhitching** – lift the handle to engage or release bins.
- **Compatible** with Tug Compact and Tug Axis models.

3.2 Components



4. Compatibility

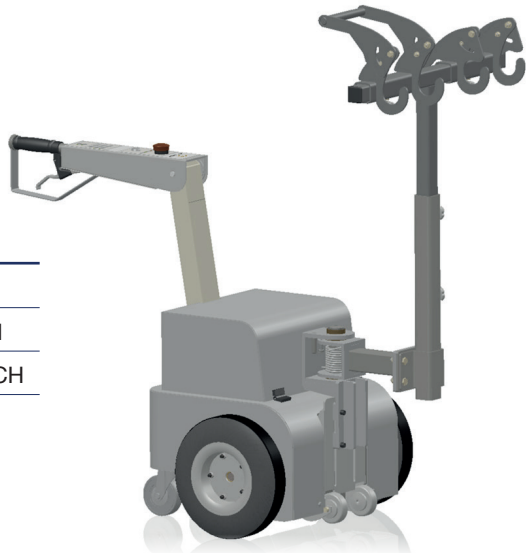
The hitch supports:

- Wheelie bins from 80 to 240 litres.
- Adjustable width and height to suit common bin designs.

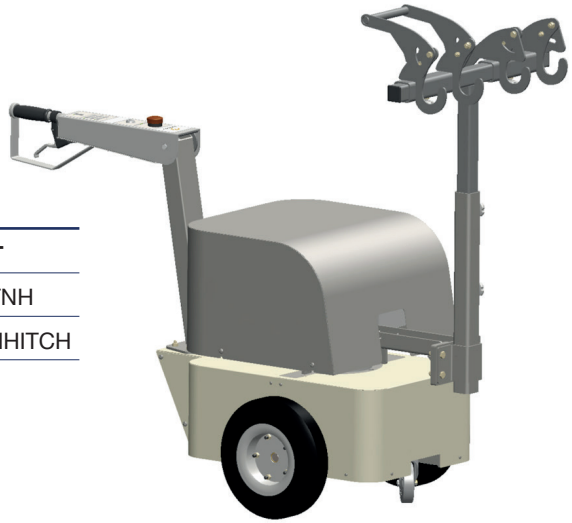
4.1 Tug compatibility

This hitch is specifically designed for use with the following Electrodrive tugs (see pages 7-10):

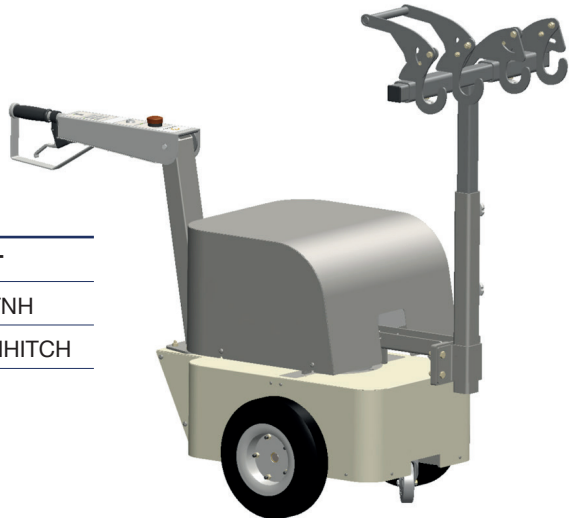
Machine:	Tug Compact
Tug part number:	TUGCOM500NH
Hitch Code:	EDTWINBINHITCH
Accessory:	EDHT1810-006



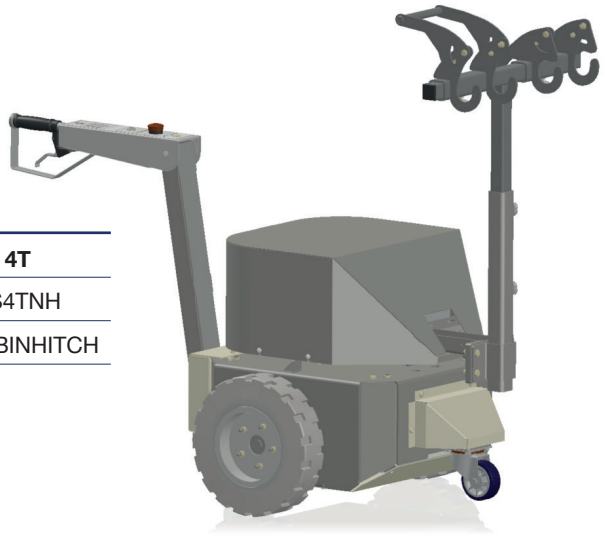
Machine:	Tug Axis 1T
Tug part number:	TUGAXIS1TNH
Hitch part number:	EDTWINBINHITCH
Accessory:	N/A



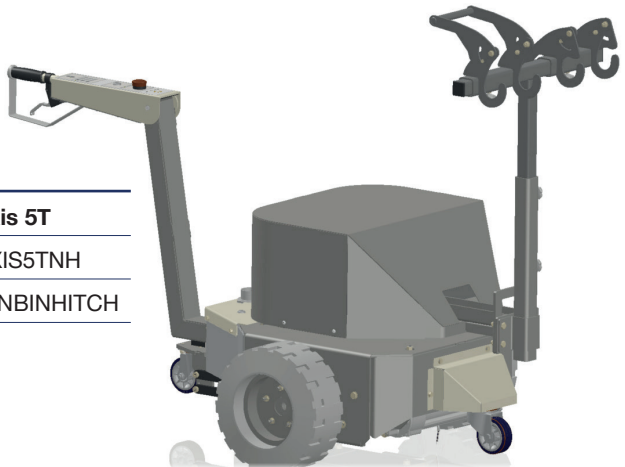
Machine:	Tug Axis 2T
Tug part number:	TUGAXIS2TNH
Hitch part number:	EDTWINBINHITCH
Accessory:	N/A



Machine:	Tug Axis 4T
Tug part number:	TUGAXIS4TNH
Hitch part number:	EDTWINBINHITCH
Accessory:	N/A

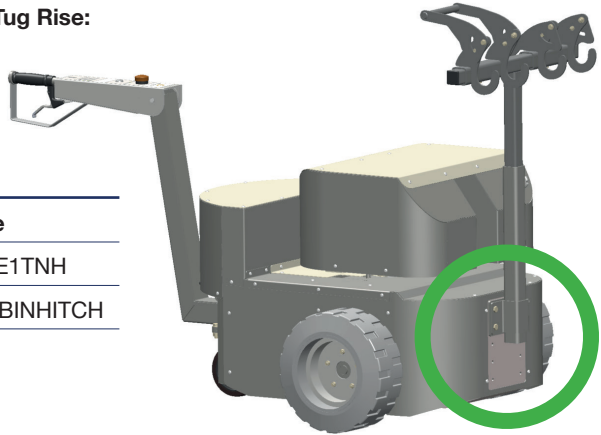


Machine:	Tug Axis 5T
Tug part number:	TUGAXIS5TNH
Hitch part number:	EDTWINBINHITCH
Accessory:	N/A



Correct configuration with Tug Rise:

Machine:	Tug Rise
Tug part number:	TUGRISE1TNH
Hitch Code:	EDTWINBINHITCH
Accessory:	N/A



This configuration should not be used:



Warning:

The attachment can be used with the Tug Rise. However, due to the swing arm's 18-degree range of movement, mounting the attachment on the swing arm would result in instability of the bins during operation.

To mitigate this risk, the attachment must be mounted directly to the machine body (top image) when used with the Tug Rise. This installation method ensures proper alignment, stability, and safe operation.

5. Setup and adjustment

5.1 Initial installation

1. Park the tug on flat, stable ground.
2. Turn off the tug to engage the parking brake.
3. Position the hitch at the rear connection point.
4. Align mounting holes and secure following the tug manufacturer's procedure.
5. Ensure all fasteners are tightened before operation.

5.2 Adjusting hitch height

1. Locate the two wing knobs on either side of the vertical frame.
2. Loosen the wing knobs evenly.
3. Raise or lower the hitching point to the required height:
 - Bin grab point should align with bin handle height.
4. Re-tighten both wing knobs firmly.

6. Operating instructions

6.1 Hitching one or two bins

- Position the tug so the hitch is aligned behind the wheelie bin(s).
- Ensure bins are closed and not overfilled.
- Slowly reverse the tug until the bins contact the hitching point.
- Lift the hitch handle to engage the bins securely.
- Confirm the bins are locked in place by gently pulling forward.

6.2 Transporting bins

- Drive slowly and steadily.
- Avoid sudden turns or stops.
- Keep bins upright throughout the movement.
- Maintain safe speed limits as defined by site regulations.
- Make sure to use only in forward direction for pulling.
- Once reached the destination please remove the bins from the hitch manually.

6.3 Unhitching bins

1. Bring the tug to a complete stop.
2. Make sure the tug's parking brake is engaged.
3. Lift the hitch handle to release the bins.
4. Drive the tug forward slowly, clearing the bins.

7. Maintenance

7.1 Daily checks

- Inspect the hitch for damage, cracks, or wear.
- Ensure wing knobs and locking components are secure.
- Check for smooth movement of the hitch handle.

7.2 Weekly maintenance

- Clean dirt from moving parts.
- Lubricate pivot points as required.
- Check mounting bolts for tightness.

7.3 Annual or as-needed inspection

- Inspect the structural frame for corrosion or deformation.
- Replace any worn components immediately.

8. Troubleshooting

Issue	Possible cause	Solution
Bins do not latch.	Hitch height incorrect.	Readjust height via wing knobs.
Hitch handle stiff.	Lack of lubrication.	Apply light mechanical lubricant.
Uneven towing.	Bins misaligned.	Re-position bins before hitching.
Hitch loosens during use.	Mounting bolts loose.	Tighten bolts; Inspect for wear.

9. Storage

- Store the hitch in a dry area when not in use.
- If the hitch remains attached to the tug, ensure the tug is parked safely.
- Protect the hitch from corrosive environments where possible.

10. Warranty and support

For warranty claims, spare parts, or technical assistance, contact your equipment supplier or manufacturer.

Provide the model, serial number (if applicable), and installation details.

11. Spare part

Spare part	Description
SPLMM8HNDKNB	Wing knob — M8

Notes

Solutions to safely push, pull and lift.

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