Trustee for Borcat Trailers Unit Trust

52 Newton Road, Wetherill Park NSW 2164 Ph: (02) 9631-9594

ABN: 11 975 478 495 ACN: 131 446 341 www.borcat.com.au



Customer DeliveryInformation

Version 4: October 2025

THANK YOU FOR PURCHASING A

BORCAT TRAILER

Enclosed are your operating manuals and warranty information.

We wish to advise that we offer a COMPLIMENTARY FIRST SERVICE when the trailer has travelled 2,500 km's.

To arrange your complimentary service,

Contact us on

Phone: 02 9631 9594

All services are carried out at: 52 Newton Road, Wetherill Park NSW 2164

Please feel free to contact us at any time for any further information.

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52 Newton Road, Wetherill Park NSW 2164 Ph: (02) 9631-9594 Fax: (02) 9756-5572 ABN: 11 975 478 495 ACN: 131 446 341

www.borcat.com.au

Product Warranty

Borcat Trailers P/L (hereinafter referred to as 'The Company') warrants its manufactured equipment to be free from defects in material and workmanship for a period of 12 months or 130,000 km whichever comes first, provided original ownership has been maintained.

This warranty is only where such equipment has been used in a normal manner, adequately maintained and has not been subjected to misuse, negligence, accident or overload. The warranty does not apply to normal wear and tear.

In the event of any part or parts of equipment manufactured by The Company proving to be defective within the terms of this warranty, The Company will replace or repair at its option such part or parts free of charge during normal hours provided such equipment is returned to The Company's registered address.

Where a failure occurs within the terms of this warranty and because of distance it is not practical to return the equipment to The Company's premises, The Company may authorise local repairs at its expense, providing prior notification has been given to The Company.

Components, equipment or parts thereof manufactured by The Company's suppliers are warranted to no greater extent than the warranty given by such supplier to The Company.

This warranty is in lieu of and excludes all other warranties, guarantees, conditions either expressed or implied by statute or otherwise and no person is authorised to assume or authorise for The Company any obligation outside of this warranty.

BORCAT TRAILERS

Manufacturers of Aluminium or Hi Tensile Steel Tippers Rigid, Semi-Trailers, B-Doubles, Dog Trailers Trailer Spare Parts

Servicing and Maintenance

These instructions are provided by BORCAT TRAILERS for the purpose of assisting with the operation, repair and servicing of your new BORCAT equipment. Operation, repair and servicing of this equipment should only be undertaken by a person who has appropriate professional training and suitable qualifications. You are wholly responsible for ensuring that an appropriately qualified person is engaged to undertake the proposed work in respect of the BORCAT equipment in a safe and diligent manner and with all appropriate equipment.

To the maximum extent permitted by law, BORCAT TRAILERS and its related entities, directors, other officers, employees, advisers and agents will not be liable in any way for any direct, indirect or consequential loss, damage, expense, injury or claim of whatsoever arising from or relating to the application of these instructions.

BORCAT TRAILERS may amend or replace these instructions at any time without notice.

Introduction

This is a general guide for the operation, inspection, service and maintenance procedures for BORCAT TRAILERS equipment.

Components such as suspensions, axles, landing legs, king-pins, hoists and tarp systems are from proprietary suppliers and must be serviced and maintained according to the manufacturer's recommendations. For brand specific maintenance recommendations refer to the relevant supplier website as listed at the rear of this section.

This guide should be used to form the basis of an operator's maintenance programme and should be supplemented with more frequent inspection and maintenance when the operating environment involves:

- Constant short cycle discharging
- Arduous terrain and operating conditions
- Excessive dust, salt, mud or water
- Extreme temperatures
- Corrosive environment or product

This information applies to generic models and options and therefore some information contained may not apply to particular units and some items on particular trailers may not be referenced at all. For information and advice regarding specific units/options, contact BORCAT TRAILERS.

It is the responsibility of the owner and operator of the equipment to ensure that it is maintained and roadworthy at all times.

Manufacturers of Aluminium or Hi Tensile Steel Tippers Rigid, Semi-Trailers, B-Doubles, Dog Trailers Trailer Spare Parts

Important Safety Information

The health and safety of operators, maintenance personnel and the public must always be a major consideration when operating and maintaining tipping equipment. Accident can result in serious injury or death.

Because of the variety of tasks and applications and often no direct on-site supervision, there is a heavy reliance on the requirement for a driver to:

- Be trained in correct procedures (If in doubt they should ask for assistance)
- Assess the tasks from a safety perspective including checking for:
 - Ground conditions in the tipping area which may affect stability of the vehicle/trailer (i.e. the ground needs to be firm and level)
 - Overhead obstructions or hazards which may be contacted by a raised body (e.g. low wires, overhead structures, trees, etc.)
 - A safe distance from other vehicles whilst loading or tipping
 - BORCAT TRAILERS recommends that semi tippers be operated on ball race or stabilised quick release turntables (i.e. a quick release turntable mounted on a ball race turntable and with a 'block' or 'skid plate locking device' fitted to the trailer skid plate). If tipping a semitrailer on a non-stabilised quick release turntable, ensure that the prime mover and trailer are in a straight line at all times whilst tipping.
 - At all times when leaving the cabin of the prime mover ensure that the park brakes are applied.
 - Perform all the tasks in accordance with any local/company procedures or instructions
- All company, local site and government requirements are to be observed in respect to height restrictions when climbing on the body.
- · Wear appropriate personal protective equipment
- Do not stand or reach under a raised body without fail safe measures in place to prevent accidental lowering of the body. For advice regarding appropriate measures (e.g. safety prop) contact BORCAT TRAILERS on 02 9631 9594
- Be aware of pinch points.
- Never attempt to raise the hoist of a semi tipper unless the trailer is securely connected to the prime mover fifth wheel (Turntable).
- Ensure that the tyres on the tipping axle are in good condition and the pressure is equal on each side.
- Always watch the tipping operation to ensure that the tipping body lifts squarely.
- Never modify hydraulic components or circuits.
- Ensure that replacement items are of equivalent specification to original equipment specifications.

Manufacturers of Aluminium or Hi Tensile Steel Tippers Rigid, Semi-Trailers, B-Doubles, Dog Trailers Trailer Spare Parts

Truck Maintenance Schedule

CHECK / SERVICE	Daily	2,500KM or fortnightly	2,500KM or as required	10,000KM or Monthly	30,000KM or Quarterly	100,000KM or Annually
Check lighting operation.						
Check safety stickers are attached and legible.						
Check hoist and hydraulics for leaks and operation.						
Check tarping system operation wear and tear.						
Check tailgate operation.						
Lubricate all grease points.						
Check all steps and ladders where applicable for security and integrity.						
Check body prop operation and security.						
Inspect hoist foot mount bolts and top mounting bolts for security.						
Check towbar and coupling for wear and tear and bolt security.						
Check body sub frame for cracks and mounting bolt security.						
Check body underside and hoist well for cracks and general condition.						
Check rear marker plates for wear, damage or fading.						
Check body floor thickness for wear and body work for cracking.						
Check body pivots for wear and security.						
Check calibration of weight gauges (where fitted).						
Drain hydraulic tank and replace with new AWH68 Oil.						

Manufacturers of Aluminium or Hi Tensile Steel Tippers Rigid, Semi-Trailers, B-Doubles, Dog Trailers Trailer Spare Parts

Trailer Maintenance Schedule

ITEM	1 st Service 5000KM	Daily	Weekly	10,000KM or Monthly (Note 1)	30,000KM or Quarterly (Note 1)	100,000KM or Annually (Note 1)
Check						
All lights are operational						
Drain moisture from air reservoirs						
Check service brakes are operational						
Check emergency brakes are operational						
Check tailgate operation / security						
Check that trailer coupling is fully engaged						
Check for oil leaks and damaged hoses						
Check tyre condition and pressures, particularly on tipping axles	3					
Wheel nut tension		of removal or ent of wheel				
Air lines and fittings for leaks	Териости					
Airbags condition and leaks						
Air suspension ride heights		VISUAL				
Brake adjustment						
Drawbar pivot bushes for wear						
Drawbar arms, pivot bars, hoist feet and pins for wear						
Tension of hoist feet bolts and top clevis bolts						
Tension of all tow coupling and turntable fasteners and pivot bar fasteners						
Tension of all Tip Over Axle (TOA) Suspension Sub frame bolts						
Tension of all other fasteners on trailer						
Inspect/rectify body, chassis, drawbar and sub frame for damage and wear. (Remove covers over drawbar eye for proper inspection)						
Check king pin bolt torque		Refer - S	Supplier	Servici	ng Guid	le
Check king pin wear limits						
Check turn table wear						
Check drum brakes,/ rotors, linings, pads						

Note 1: Whichever occurs first.

Manufacturers of Aluminium or Hi Tensile Steel Tippers Rigid, Semi-Trailers, B-Doubles, Dog Trailers Trailer Spare Parts

Trailer Maintenance Schedule - continued

ITEM	1 st Service 5000KM	Daily	Weekly	10,000KM or Monthly (Note 1)	30,000KM or Quarterly (Note 1)	100,000KM or Annually (Note 1)
Proprietary items maintenance						
Check wheel bearing adjustment				Refer Sup	plier Servic	ing Guide
Check suspension bushes, bolts, shock absorbers, springs, airbags, ride heights				Refer Supplier Servicing Guid		
Check axle alignment	VISUAL					
Check landing legs and support brackets						
Grease						
All trailer pivot points (front and rear or draw arms or rear pivot bars, as applicable)						
Upper and lower hoist pivots						
King pin and skid plate						
Landing legs						
Ball race turntable						
Axle and suspension components						
Brake camshafts and slack adjusters				Refer Sur	plier Servi	cing Guide

Note 1: Whichever occurs first.

Trailer - Truck Brake Balance

It is the responsibility of the owner or operator to ensure that the braking systems of the trailer and prime mover are compatible. BORCAT TRAILERS recommends that both the trailer and the prime mover be checked by a qualified service centre and adjusted as necessary.

Towing Equipment

Towing equipment includes kingpins, turntables, tow couplings, drawbar eyes and ball coupling assemblies. Regular inspection, maintenance and replacement of these items are essential.

Manufacturers of Aluminium or Hi Tensile Steel Tippers Rigid, Semi-Trailers, B-Doubles, Dog Trailers Trailer Spare Parts

Lubricant Guide

BORCAT TRAILERS does not specifically endorse any particular brand of lubricants. The recommended viscosity of hydraulic oil is ISO grade 68 or equivalent.

Refer to proprietary component supplier (manufacturers) recommendations where applicable.

Recommended Torque - Fasteners

Refer to the proprietary component supplier information for recommended tightening torques.

Tyre Maintenance

Operators should consult with their tyre supplier to establish the correct pressures and procedures for their particular application.

Trailing equipment is aligned prior to delivery. It is recommended that alignment be checked annually or sooner if tyre wear should become evident.

Repairs to hydraulic system components, air system components, body and/or chassis and sub-frames

These should only be undertaken by BORCAT TRAILERS, proprietary supplier agents, or other appropriately qualified repairers.

Paint Maintenance

During the first **two** months after application, new paint finishes should be washed only with plenty of water containing cleaning agents. No high pressure washer.

At times when high pressure cleaners or steam jet cleaners are used, the distance between the spray nozzle and the vehicle should be at least 30cm.

Vehicles that are to be cleaned in washing lines with rotating brushes should always be sprayed with water before washing.

Manufacturers of Aluminium or Hi Tensile Steel Tippers Rigid, Semi-Trailers, B-Doubles, Dog Trailers Trailer Spare Parts

Brand Specific Service Information

Visit the website's below to view brand specific information.

Hendrickson www.hendrickson.com.au

Jost <u>www.jostaustralia.com.au</u>

Air Brake Corporation <u>www.airbrakecorp.com.au</u>

BPW Transpec / Edbro <u>www.bpwtranspec.com.au</u>

SAF Holland <u>www.safholland.com.au</u>

Powertarps <u>www.powertarps.com.au</u>

Mega Pacific <u>www.megapacific.com.au</u>

Air Tarps Australia <u>www.airtarps.com.au</u>

Disclaimer

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ABN: 11 975 478 495

ACN: 131 446 341



Job Safety Assessment:

Coupling – Truck & Trailer (Manual) BCT-JSA-0010

Job Safety Assessment

Issue Date: March 2021 Review Date: March 2023

Gloves



Face Masks



Eye Protection



Hearing Appropriate
Protection Footwear

Authorised By: John Thompson



High Vis Clothing



Hard Hat



\boxtimes		\boxtimes				\boxtimes		\boxtimes		
KEY STEPS	HA	ZARDS	L	С	RR		CONTE	ROLS		
Prepare Ringfeder	Strains from bar.Jammed fing	leaning over draw lers.	B B	3	M M	Disconnect lock Ensure that fing				
Reversing truck.	Sun glare in Truck hitting		B C B	4 1 2	M H H	Wear correct suEnsure that corr	 Ensure that correct driving techniques are utilized when reversing Wear correct sun glasses to reduce sun glare Ensure that correct driving techniques are utilized when reversing Check reversing alarm functioning 			
Check height and alignment of the Ringfeder	up, trenches	, steel rods sticking	В	2	н	exit backwoods	Visually assess ground conditions. Use three points of contact to exit backwoods from vehicle DO NOT JUMP! Check traffic conditions			
Reverse truck slowly to effect connection.	Truck not ali Sun glare in Truck hitting		B C B	4 1 2	M H H	 Ensure that correct driving techniques are utilized when reversi Wear correct sun glasses to reduce sun glare Ensure that correct driving techniques are utilized when reversi Stop truck short of trailer, to check height and alignment for connection. 				
Visual check connection.	up, trenches	, steel rods sticking	В	2	Н	Visually assess ground conditions. Use three points of contact to exit backwoods from vehicle and Check traffic conditions. Ensure that towing pin is engaged and in the locked position			ditions.	
Perform the "tug test"	Trailer not co	onnected correctly	С	1	н	Repeat above pEnsure that tow		d and in the locke	ed position	
Connect air, hoses and leads.	free.	airlines blowing leaning over draw r draw bar.	C B	2 3 3	M M M	 Ensure that combination-braking system is applied. (Relieves a air pressure) Connect air hoses from the same side that they are mounted. Walk around the truck. NEVER ATTEMPT TO CLIMB OVER DRAW BAR. 			e mounted.	
Raise the draw bar support leg.	Fingers bein leg pivot poir	g caught in support nt.	В	2	Н	Ensure that fingers are kept well away from the pivot point when raising support leg.				
Conduct a walk round inspection.	up, trenches	, steel rods sticking	В	2	Н	 Visually assess ground conditions. Use three points of contact to exit backwoods from vehicle DO NOT JUMP! Check traffic conditions. Ensure that towing pin is engaged and in the locked position 				
Perform the "tug test"	Trailer not co	onnected correctly	С	1	н	Repeat above pEnsure that towPerform tug tes attached correct	ing pin is engage t with trailer hand		-	

Likelihood (L)	Level
Α	Certain
В	Likely
С	Moderate
D	Unlikely
E	Rare

Consequence (C)	Level
1	Fatality
2	Permanent Injury
3	Perm/Temp Injury
4	Temporary
5	Minor Injury

Risk Rating (RR)	1	2	3	4	5
Α	HIGH	HIGH	HIGH	MED	MED
В	HIGH	HIGH	MED	MED	LOW
С	HIGH	MED	MED	LOW	LOW
D	MED	MED	LOW	LOW	LOW
E	MED	LOW	LOW	LOW	LOW

Sianed:	Date:	Revision No: 3



Issue Date: March 2021

BORCAT TRAILERS PTY LTD

ABN: 11 975 478 495

ACN: 131 446 341



Job Safety Assessment:

Uncoupling – Truck & Trailer (Manual) BCT-JSA-0024

Job Safety Assessment

Review Date: March 2023 **Authorised By:** John Thompson



KEY STEPS	HAZARDS	L	С	RR	CONTROLS
Park Truck	Ground not level Parking area not legal Truck roll away				 Ensure truck parked on level ground Check that parking site is legal Apply all brakes to truck
Exit Truck and ensure tailgate is in locked position.	Uneven or slippery ground, muddy steps, steel rods sticking up, trenches, formwork, protruding equipment and other traffic.	В	2	Н	Visually assess ground conditions. Use three points of contact to exit backwoods from vehicle DO NOT JUMP! Check traffic conditions
Lower draw bar support leg.	Fingers being caught in support leg pivot point.	В	2	н	Ensure that fingers are kept well away from the pivot point when lowering support leg.
Disconnect and secure all hoses and cables.	 Pressurised airlines blowing free. Strains from leaning over draw bar. Tripping over draw bar. Oil Contamination 	СВВ	2 3 3	M M	 Ensure that combination-braking system is applied. (Relieves all air pressure) Disconnect air hoses from the same side that they are mounted. Walk around the truck. NEVER ATTEMPT TO CLIMB OVER DRAW BAR. Wipe off oil from hose ends REMINDER – "AIR LINES OUT FIRST, IN LAST"
Raise and lock towing pin.	 Strains from leaning over draw bar. Run away trailer. Jammed fingers. 	B C B	3 1 3	M H M	 Disconnect locking pin from the same side that it is mounted. Ensure that combination-braking system is applied. Ensure that fingers are kept well away from Ringfeder
Drive slowly forward.	Traffic, equipment not secured, pedestrians	С	2	М	Visual check for traffic, vehicle equipment, pedestrians.
Check mirrors to confirm disconnection.	Sun Glare	С	1	Н	Wear correct sun glasses to reduce sun glare

Likelihood (L)	Level
Α	Certain
В	Likely
С	Moderate
D	Unlikely
E	Rare

Consequence (C)	Level
1	Fatality
2	Permanent Injury
3	Perm/Temp Injury
4	Temporary
5	Minor Injury

Risk Rating (RR)	1	2	3	4	5
Α	HIGH	HIGH	HIGH	MED	MED
В	HIGH	HIGH	MED	MED	LOW
С	HIGH	MED	MED	LOW	LOW
D	MED	MED	LOW	LOW	LOW
E	MED	LOW	LOW	LOW	LOW

Signed:	Date:	Revision No:



ABN: 11 975 478 495

ACN: 131 446 341



Job Safety Assessment: **Safe Site Deliveries**

Job Safety Assessment Issue Date: March 2021

Review Date: March 2023 Authorised By: John Thompson

BCT-JSA-0035











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Hard Hat

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Bloves	
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Protect
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Protection	

High	Vis
Cloth	ning
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KEY STEPS	HAZARDS	L	С	RR	CONTROLS
Arrive on site/ Exit Vehicle	Other Vehicles / equipment.	В	2	Н	Check traffic conditions and use three points of contact to exit backwards from vehicle. DO NOT JUMP!
Check Tipping area.	Uneven or slippery ground, muddy steps, steel rods sticking up, trenches, formwork, protruding equipment and other traffic.	С	1	н	Perform Take 5 when arriving to a site for the first time Where there is not designated access (i.e. walkway) provided do not walk on grizzlies (ground bin grates) at concrete plants. Use alternative means of cleaning tailgates drawbars etc.
Look for overhead obstructions	Awnings, power lines, overhead obstructions.	В	2	н	Assess the site before entering, walk the tipping area and check for people working in tipping area.
Check tyres	Tyre blowing out as load is raised.	С	2	М	Flat or damaged tyres must be repaired before tipping.
Open tail gate	Material falling from trailer and gate swinging out, cuts, sprains and strains	С	5	L	Always stand clear when opening, be aware of sharp edges
Open tall gate	 Material caught in rubber seal around edge of truck body & tailgate. 	Α	5	н	and use proper manual handling techniques.
From the driver's seat apply trailer brakes, engage PTO and activate hoist	Trailer brakes not applied or adjusted correctly and uneven ground	С	2	М	Keep brakes adjusted as required and check ground conditions
Continually check as hoist is raised for any body lean	Unit roll-over, people or vehicles nearby	С	1	н	Be observant at all times and ensure no people come within danger area
At the completion of tip disengage PTO, move carefully forward away from material and allow hoist to lower	Damage to hoist, roll over and hitting overhead wires from driving with hoist up	С	1	н	Don't move away under heavy acceleration or braking, check ground conditions and never leave site with hoist up. (ENSURE HOIST UP ALARM OPERATIONAL)
Apply brakes, check for material stuck in body, check tyres, clean off tail gate and secure tail gate locks	Climbing on body, damaged tyre during tip, loose material damaging other vehicles and tail gate swing open while travelling	С	1	н	 Follow good work practices and house keeping. Only driver to clean tailgate area and operate controls. Where it is safe to do so, move vehicle off grid rails prior to cleaning.
Leaving the site	Traffic, equipment not secured pedestrians and hoist up.	С	1	М	Visual check for traffic, vehicle equipment, pedestrians and ensure hoist is completely lowered.

Likelihood (L)	Level
A	Certain
В	Likely
С	Moderate
D	Unlikely
E	Rare

Consequence (C)	Level
1	Fatality
2	Permanent Injury
3	Perm/Temp Injury
4	Temporary
5	Minor Injury

Risk Rating (RR)	1	2	3	4	5
Α	HIGH	HIGH	HIGH	MED	MED
В	HIGH	HIGH	MED	MED	LOW
С	HIGH	MED	MED	LOW	LOW
D	MED	MED	LOW	LOW	LOW
E	MED	LOW	LOW	LOW	LOW

Signed:	

Date:			

3

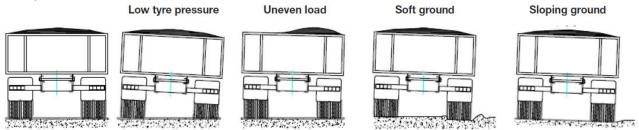
Manufacturers of Aluminium or Hi Tensile Steel Tippers Rigid, Semi-Trailers, B-Doubles, Dog Trailers Trailer Spare Parts

Safe Loading and Outward Journey

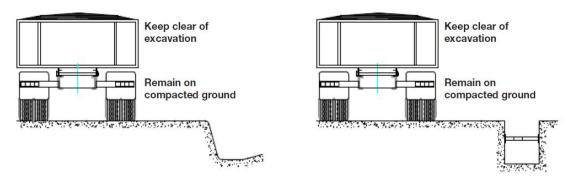
Due to the loading methods employed and site conditions at the point of loading, it is important drivers understand their responsibilities regarding the vehicle and load which is to be taken onto the public roads. Many sites operate in a very professional manner with highly trained loading operatives using weighbridges and, if appropriate, washing facilities. However, some do not have these and as such additional responsibility is placed on the driver.

The type of material being transported and its flow capabilities must be considered before loading. Some loads, especially those that are wet, sticky or solid, can have a tendency to move at different rates during the tipping operation, which can create dangerous situations. Should the load at the rear or one side move unexpectedly, it could lead to the creation of an unbalanced vehicle and contribute to a roll-over accident, as well as a potential axle overload situation.

The load should be evenly distributed along the length and across the width of the body. (Legal axle weights to be adhered to). Failure to do this may result in an unstable vehicle which may be dangerous to drive and have axle and tyre overloads, which would render the vehicle illegal. It also has the potential to create a severe hazard during the tipping process. Many tippers have a high centre of gravity, therefore any uneven weight distribution is likely to increase problems encountered particularly when cornering, braking and on roads with excessive camber.



Dangerous tipping situations that can contribute to a vehicle roll over.



The driver is responsible for ensuring the vehicle does not exceed the gross plated weight or individual axle weights. As such, drivers must not proceed if there is any doubt regarding compliance with legislation. It should be remembered the density of individual loads can differ significantly and many tipper bodies will accommodate more load than they can legally carry in weight. Therefore, it is important drivers are provided with training to identify the different types of materials they are expected to transport and the weight of an individual load is known and documented.

When a vehicle has been loaded under off-road conditions, the driver should inspect all securing devices and locks, the tyres and any low mounted equipment for damage before leaving site.

Manufacturers of Aluminium or Hi Tensile Steel Tippers Rigid, Semi-Trailers, B-Doubles, Dog Trailers Trailer Spare Parts

Safe Loading and outward journey - cont'd

An appropriate tarping system to retain the load and any debris should be used and adequately secured. N.B. Local planning regulations may make the use of tarp systems compulsory.

Unfortunately, some tipper operators do not have a particularly good image with the public at large due to the mud and clay deposits left behind on the road by some operators when leaving site. There is also a perception tippers are more likely to cause damage from flying stones and other loose material. Therefore, it is the driver's responsibility to ensure excess debris is removed and any rocks/stones removed from between dual tyres off drawbars and tops of tailgates.

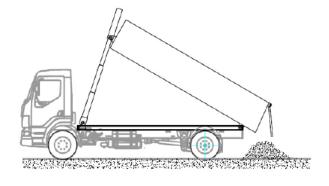
The driver should always check the condition of the lamps, reflective marker plates and number plates before leaving site - as depending on the ground conditions, they may have become obscured by mud and grime.

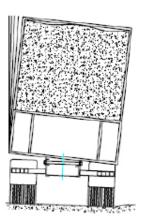
As the majority of tipper bodies are not water tight, the driver should allow excess water from a wet load to drain from the body prior to leaving site.

At Point of Delivery

On arrival at site, the driver must moderate the vehicle's speed to suit the conditions. If travelling off the public road, the driver must be mindful of the surface conditions, stay on compacted roadways, keep well clear of any excavations and look for overhead cables and other obstructions.

Prior to discharging the load, the driver must position the vehicle on flat firm ground. If a slope cannot be avoided then it should run from end to end of the vehicle, not across the width as this creates instability. If the vehicle is articulated, the truck and trailer must be in a straight line otherwise another unstable condition is produced.





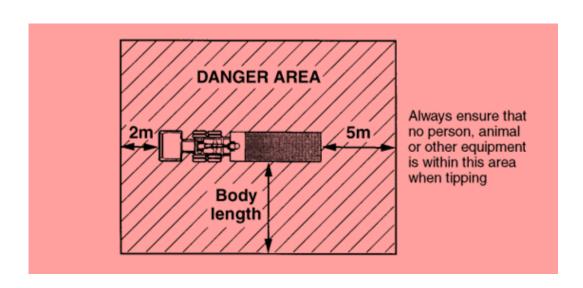
If the body is not straight do not tip, but lower in a controlled manner

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At point of delivery - cont'd

In many instances, it is beneficial for the vehicle to be equipped with a rearward facing camera to provide the operator with a clear view of the area immediately behind the vehicle, whilst it is reversing or the driver operating the tipper. This equipment is now mandatory when working on many sites.

Before discharging the load, the driver must check the area in which the load is to be deposited is clear of personnel and obstructions. The driver should not leave the cab unless suitably equipped with Personal Protection Equipment (PPE) and the park brake applied.



If the body is equipped with a manual locking system, to secure the tailgate the driver must take care that the pressure of the load against the tailgate does not place them or others in danger.

Do not allow any person to stand adjacent to the vehicle whilst tipping as this is a place of danger. An accident involving a person standing adjacent to a tipper is most likely to be caused by one of three things, all of which can have fatal consequences.

A swinging tailgate is liable to cause injury if someone is standing behind it when tipping takes place or between it and the body when lowering. A load that moves suddenly, or is discharged at speed, can also cause injury to persons standing at the rear of the vehicle and even those standing at the sides, as the load spills outwards. Standing at the side of a tipper is often considered a safe place by the uninitiated. This is not the case.

Should a tipper roll over, it is unlikely that people standing at the side will recognise the warning signs and be able to run clear quickly enough to avoid potentially fatal injury. The driver has a responsibility of safety to ensure his actions do not endanger others and should maintain an exclusion zone around the vehicle whilst tipping.

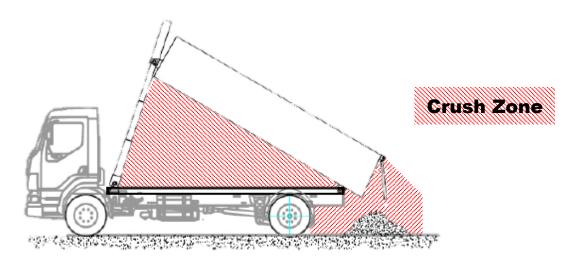
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At point of delivery - cont'd

To ensure control of the load is maintained during tipping, the flow rate properties of the material being carried should be considered beforehand. The body should be tipped in an appropriate manner to suit the materials being discharged, maintaining a smooth operation and avoiding sudden shocks caused by rapid tipping and lowering or sudden stops.

Care should be taken to ensure a free flowing load does not exit with excessive speed, and wet or sticky loads do not create a dangerous situation if they do not move. The higher the angle of tip, the more unstable the vehicle becomes. Depending on the design of the body, if appropriate the tailgate should be periodically checked to ensure it is not likely to hit an obstruction or become buried in the load.

Drivers should remain in the cab at all times during the tipping process and look to the rear of the vehicle using the mirrors to monitor and adjust the rate of discharge. If the driver has any concerns regarding the safety of the tipping process, whether they are ground or site conditions, the load itself, the vehicle and ancillary equipment or the proximity to people, tipping should immediately stop and the body slowly lowered until the risk has been removed.

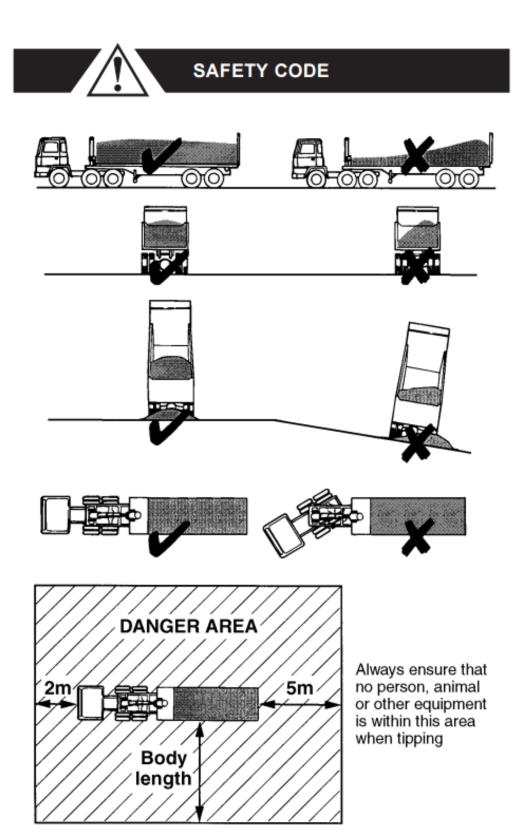


If load discharge is restricted by previously tipped material, it is permissible to slowly move the vehicle forward. Before moving, the driver must consider if it is safe to do so with the body at its current tipping angle and, if appropriate, either partially or fully lower the body before moving.

All movements must be carried out smoothly, in a slow controlled manner. If the vehicle is fitted with an air suspension, the release of the brakes can cause a sudden movement and result in instability. Therefore, the body must be lowered prior to releasing the brakes. Having moved, the driver should then reassess the situation before recommencing tipping.

When the load is fully discharged, lower the body to approximately 10° and slowly pull the vehicle clear of the load to a safe area. At this point, the driver should clear the rear bearer and tailgate of debris to allow the tailgate to close correctly. Fully lower the body and secure the tailgate.

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Standard Operating Procedure (SOP)

SAFE TIPPING OPERATIONS - WIND SPEED LIMITATIONS

Company: Borcat Trailers Pty Ltd

Document No.: SOP-TT-WIND-001

Effective Date: 22/10/2025

Reviewed Date: 22/10/2025

Approved By: Paul Gallagher – Managing Director

1. Purpose

This procedure outlines the safe operating practices for tipping trailers in windy conditions. Its purpose is to minimise the risk of vehicle rollover, equipment damage, or injury resulting from tipping in unsafe wind conditions.

2. Scope

This SOP applies to all operators and drivers performing tipping operations with trailers or truck-and-trailer combinations on any Borcat Trailers worksite, customer premises, or public areas.

3. Responsibilities

Operators/Drivers:

- Assess weather conditions prior to tipping.
- Follow wind speed limits and control measures.
- Report unsafe conditions or incidents immediately.

Supervisors/Managers:

- Ensure operators are trained in safe tipping procedures.
- Verify weather monitoring tools are available.
- Enforce compliance with this SOP.

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4. Equipment and Tools

- · Handheld or mounted anemometer
- · Weather app or site weather station
- PPE (safety boots, high visibility clothing, gloves, hard hat, eye protection)

5. Procedure

5.1 Pre-Tipping Checks

- 1. Park the vehicle on firm, level ground.
- 2. Ensure load is evenly distributed.
- 3. Confirm area is clear of personnel and overhead hazards.
- 4. Check for side winds or gusts using an anemometer or weather data.

5.2 Wind Speed Condition Action Required

Wind Speed	Condition	Action Required
0-25 km/h	Safe operating range	Proceed with tipping if all safety checks are met.
25-35 km/h	Caution range	Proceed only if load is even, ground is firm and level, and vehicle is straight; monitor for gusts.
>35 km/h	Unsafe range	DO NOT TIP. Secure load and postpone operation until wind subsides.

5.3 During Tipping

- Face the vehicle into the wind where possible.
- · Monitor for gusts or instability.
- Stop tipping immediately if instability occurs.
- Never walk under or near a raised trailer body.

6. Emergency Procedures

- Stop all movement immediately if instability occurs.
- Lower the body if safe.
- Evacuate and contact supervisor.
- Complete incident report as per company procedures.

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7. Training and Competency

All personnel performing tipping operations must be trained, assessed as competent, and familiar with this SOP. Refresher training is required every 12 months or after an incident.

8. References

- Work Health and Safety Regulation 2017 (NSW)
- Manufacturer's operating manual
- Borcat Trailers Safe Work Method Statements (SWMS)

9. Revision History

Version Date Description Author Approved By:

1.0 22/10/2025 Initial Issue Paul Gallagher

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Digital Load Weight Gauge

(Gauge - Digital 111, 112, 211, 212)

**** IMPORTANT ****

THE GAUGE MUST BE CALIBRATED TO THE TRUCK OR TRAILER IT IS BEING USED ON WITH
THE MAXIMUM LEGAL LIMIT LOAD

THE GAUGE <u>MUST BE</u> INSTALLED IN A DRY PROTECTED AREA. THE GAUGE IS <u>NOT</u> WATER PROOF

IF THE GAUGE IS USED ON A TRAILER, THE GAUGE <u>MUST BE</u> INSTALLED IN A WATER TIGHT ENCLOSURE.

Calibrate

- 1. Start with a load near the Legal Limit. (E.g. 15.4kg)
- 2. Go to a certified scale and get a weight slip
- 3. Press & Hold the kg / PSI switch for 10 seconds. The display will alternatively flash between a kg reading and a PSI reading. When the display locks onto a reading. Example 12.0kg, remove your finger from the switch
- 4. To raise the number TAP the kg / PSI button until the display reads 15.4, this equals 15.4kg of weight on your Scale Slip. If you need to lower the number, TAP the left button (Delay) and the number will decrease.
- 5. After you have entered your weight and removed your finger, in 10 sec the gauge will go back to normal operation and will be calibrated to your air bags.

For best accuracy calibrate on level ground

Changing the Display Update Rate

This adjustment changes how often the gauge takes a sample of pressure. The adjustment is selected with the left button on the front of the gauge. By pressing the DELAY button, you can select 1 Sec or 60 Sec sample rate.

The sample rate should always be set in the 1 sec mode while loading your truck. If left in the 1 sec mode when driving down the highway, the gauge will jump around duet o road conditions. If you select the 60 sec mode, the gauge will change only every 1 minute. Leaving the gauge in the 1 sec mode while driving **WILL NOT DAMAGE** the gauge.



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Digital Load Weight Gauge

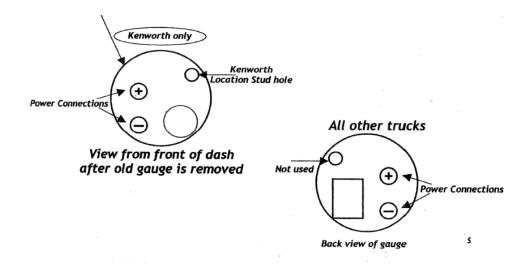
(Gauge - Digital 111, 112, 211, 212)

Installation

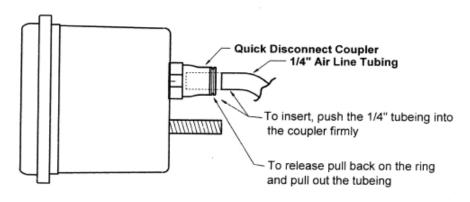
Run air lines to the back of the dash. Adapt Air Line to connect to PSI sensor. Remove plastic mounting bracket and install gauge through dash. Re-install bracket to gauge & connect power. IMPORTANT: To avoid air leaks, ensure airline is cut clean and straight. Do not cut at an angle. Best to use a PVC type cutter

Kenworth Truck Installation

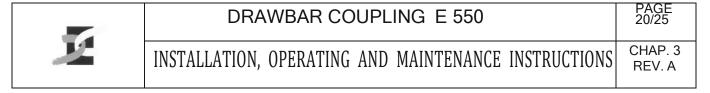
Remove plastic mounting bracket & discard. Remove a gauge blank or unwanted gauge from the dash. Look into the gauge panel & you will see a large hole in the lower right of the plug in panel (see illustration below). Our Quick Disconnect Coupler will fit through the hole. The gauge will work when power is turned on.



Power Requirements 9 to 15 Volts



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3 OPERATING INSTRUCTIONS

3.1 COUPLING UP



This chapter refers to the figures on pages 20-23/25.

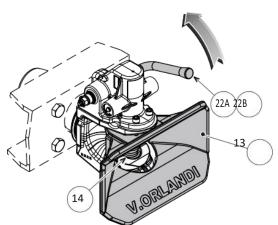
Read the following instructions carefully before any operation:

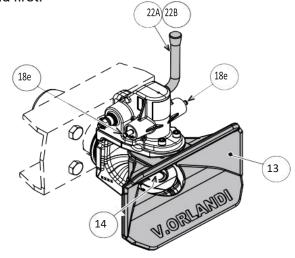


Wear working gloves.



ATTENTION: Before coupling operation check that the brake of the trailer is on and that in case of a steering axle trailer the front axle is free to steer. Make sure that the drawbar eye and the coupling are level or that the eye is slightly lower so that it runs up the lower jaw. If coupling a central axle trailer, ensure that the rear support jacks, if fitted, are clear of the ground first.







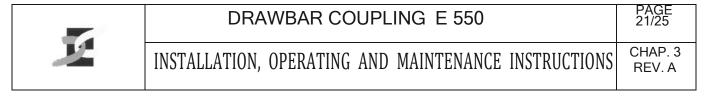
Attention! Risk of a limb injury

1) Lift the operating handle (22A-22B) upwards as far as it will go(note: minimum force needed is 200 Nm).

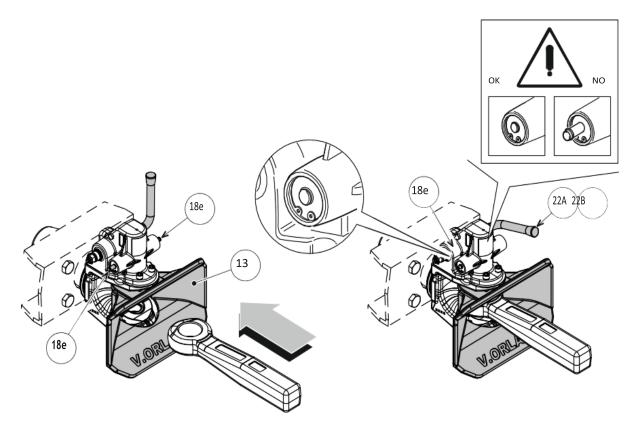
The coupling pin (14) is now raised. Check that the coupling jaw (13) has locked, ie. cannot swing from side to side.

The security pins (18e) will now be protruding from their seats.

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2) Reverse the truck slowly, the drawbar eye has to enter the coupling jaw (13) properly. The push of the drawbar eye against the visible part of the coupling pin makes the pin (14) fall down immediately and the securitypins (18e) are seated automatically.





ATTENTION: Always ensure that the coupling operation is carried out properly; check that the operation handle (22A/22B) is downand that the security pins (18e) are fully seated in order to guarantee a secure blocking down of the coupling pin (14).



ATTENTION: In case the coupling would not close perfectly move the truck back and forth about 50 cm to assist the drawbar eye to find the right position and make the coupling close.



If the coupling will not close perfectly, it is absolutely forbidden totravel. Contact the closest workshop for the solution.

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DRAWBAR COUPLING E 550

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INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS

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3.2 UNCOUPLING



Make sure that the brake of the trailer is on. If uncoupling from acentral axle trailer, lower the drawbar support leg to the ground sothat it is just starting to take weight. Do not try to push the drawbareye high in the coupling, otherwise the eye will interfere with the pin preventing the uncoupling.

1) Lift the operating handle (22A-22B) upwards as far as it will go(see point 1 in chapter 3.1 COUPLING UP on page 12/32).



Do not use any shafts or levers to extend the operating handle.

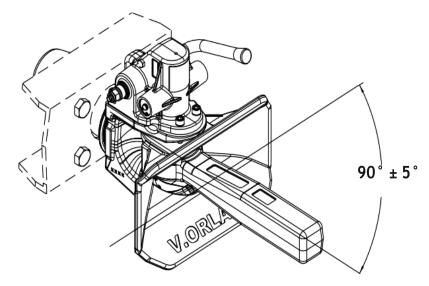
If the coupling pin (14) does not rise check that all the described conditions are respected.



If the operating handle is hard to lift, move the truck slightly in order to release the pressure of the drawbar eye against the coupling pin.



The trailer couplings of the new series E550 can be opened with the coupling jaw (13) in any position.



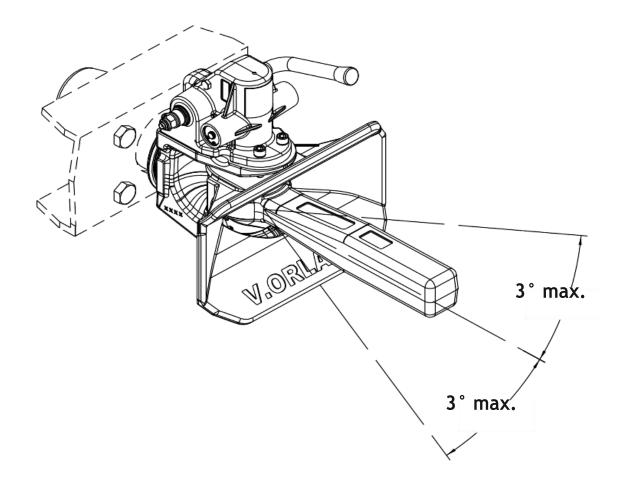
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1	DRAWBAR COUPLING E 550	PAGE 23/25
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2) Move the truck forward; The coupling will automatically close as the truckpulls away from the trailer.



ATTENTION: To ensure satisfactory function of the coupling during coupling and uncoupling the trailer, make sure that the drawbar eye is within \pm 3° of the longitudinal horizontal axis of the coupling.



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4 MAINTENANCE



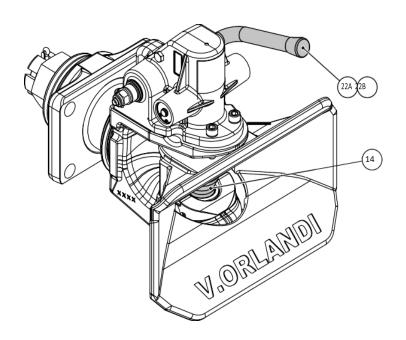
Read the following instructions carefully before any operation:



Wear working gloves.



ATTENTION: make sure that the coupling is closed in the coupling pin (14) and the operating handle (22A-22B) are down during all maintenance operations.





All moving parts of the coupling are subject to wear caused by normal use. Extent of wear depends on working conditions and maintenance operations carried out.

Therefore, regular lubrication and maintenance will help prolongthe life and safety of the coupling.