

OWNER'S MANUAL

Hydraulic Tipper Trailers – One-Way & Three-Way

KING KONG TRAILERS PTY LTD

Website: www.kingkongtrailers.com.au

Email: info@kingkongtrailers.com.au

Phone: 1300 311 333

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Range:

8×5 Hydraulic Tipper Galvanised Box Trailer 1800kg ATM with Electric Brake

8×5 Tandem Axle Hydraulic Tipper Galvanised Box Trailer 3200kg ATM

8×5 Tandem Axle Hydraulic Tipper Galvanised Box Trailer 3500kg ATM

8×5 Tandem Axle Hydraulic Tipper Galvanised Box Trailer 4200kg ATM

10×5 Tandem Axle Hydraulic Tipper Galvanised Box Trailer 3200kg ATM

10×5 Tandem Axle Hydraulic Tipper Galvanised Box Trailer 3500kg/4200kg ATM

10×6 Tandem Axle Hydraulic Tipper Galvanised Box Trailer 3200kg ATM

10×6 Tandem Axle Hydraulic Tipper Galvanised Box Trailer 3500kg/4200kg ATM

12×7 Hydraulic Tipper Galvanised Flat Top Trailer 3500kg ATM

12×7 Hydraulic Tipper Galvanised Flat Top Trailer 3500kg/4500kg ATM

12×7 Hydraulic 3-Way Tipper Galvanised Flat Top Trailer 3500kg ATM

12×7 Hydraulic 3-Way Tipper Galvanised Flat Top Trailer 3500kg/4500kg ATM

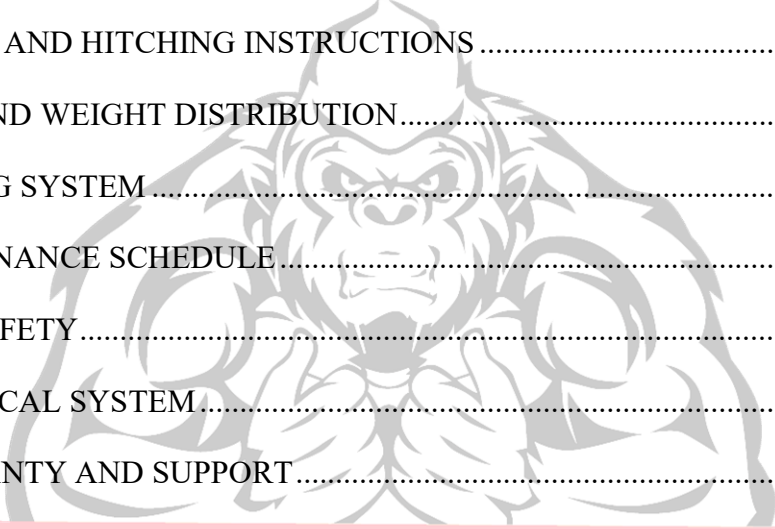
14×7 Hydraulic Tipper Galvanised Flat Top Trailer 3500kg ATM

IMPORTANT: Ongoing Product Notice:

Trailer designs and specifications may be subject to updates or improvements without prior notice. Please visit our website or contact our team to ensure you have the latest product information, service notices, or recalls.

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**KING KONG
TRAILERS**

1.0 INTRODUCTION

Thank you for purchasing a Hydraulic Tipper Trailer from King Kong Trailers. We are proud to be one of the largest and most trusted trailer suppliers in New South Wales, Australia. Our Hydraulic Tipper Trailer models cover a wide range of sizes and configurations, as listed on our website.

Each trailer is built for reliability, durability, and performance—suitable for both commercial and private applications. For detailed product information, specifications, and photos, please visit:

<https://kingkongtrailers.com.au/product-category/hydraulic-tipper-box-trailer>

We recommend keeping this manual with the trailer at all times and referring to it before each trip or when performing routine checks. If you have any questions or concerns, our friendly team is always ready to assist. This manual is designed to assist you in the safe operation, maintenance, and longevity of your trailer across our full hydraulic tipper range.

1.1 Legal Responsibility:

It is the owner's responsibility to ensure that the trailer is registered, roadworthy, and compliant with all relevant state and federal laws. Always refer to your local transport authority for the latest legal towing requirements and registration obligations.

2.0 SAFETY INFORMATION

Your safety—and that of others—is our highest priority. Please read and follow the safety guidelines below before operating or towing your trailer. Improper use or neglect may result in serious injury, property damage, or voided warranty coverage.

2.1 General Safety Guidelines

- Always comply with all applicable Australian road rules and traffic laws.
 - Confirm your towing vehicle is rated to pull the combined weight of the trailer and its load.
 - Do not exceed the Aggregate Trailer Mass (ATM) listed on the compliance plate.
 - Ensure trailer lights, reflectors, and registration plates are visible and functional.
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2.2 Pre-Departure Inspection (Daily)

Before each trip, perform a visual and functional check of the trailer:

- Inspect for any worn, loose, or damaged parts.
 - Confirm ramps (if fitted), latches, and lock pins are fully secured.
 - Never exceed the ATM or axle rating.
 - Always wear appropriate PPE: gloves, eye protection, and safety footwear.
 - Never stand between the upper and lower chassis, or under the tipped bed.
 - Do not tow the trailer while the tipper is raised.
 - Avoid raising the bed beyond approx. 40–45°, depending on trailer condition and environment.
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2.3 Routine Maintenance Schedule

- Service trailers every 6 months, or more frequently with daily, commercial, or off-road use.
 - Maintain a service log (see Section 11) to track inspections and repairs.
 - Inspect and adjust wheel bearings.
 - Check hub assemblies for abnormal heat, noise, or looseness.
 - Re-torque U-bolts and inspect spring tension.
 - Examine axles, spring hangers, and bolts for signs of fatigue or damage.
 - Ensure all castle nuts are secured with cotter pins.
 - Verify all coupling bolts are tightened and in good condition.
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2.4 Operational Precautions

- Never allow people or animals to ride on the trailer.
- Distribute loads evenly and secure them using appropriate tie-down straps.

- Drive carefully on uneven terrain, especially when turning or reversing.
 - Do not unhook a loaded trailer on a slope without wheel chocks.
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2.5 One-Way Tipper Operation

- **To Raise:** Release both side latches near the front. Press and hold the "UP" button.
 - **To Lower:** Press and hold the "DOWN" button.
 - **Stop at Any Height:** Release the button to stop lifting or lowering.
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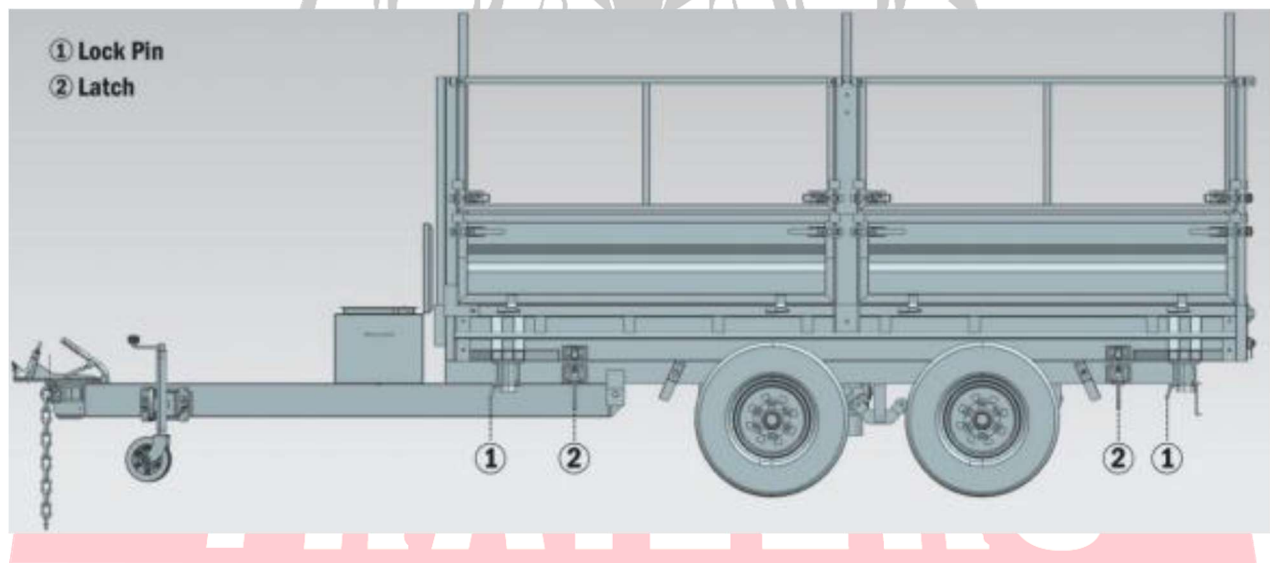
2.6 Three-Way Tipper Operation

- **Important:** Each tipping direction must be completed fully before switching to another direction.
- Release all four side latches and disengage lock pins according to the desired tipping direction:
 - **Rear Tipping:** Unlock front pins; keep rear pins locked.
 - **Passenger-side Tipping:** Unlock passenger-side pins; keep driver-side pins locked.
 - **Driver-side Tipping:** Unlock driver-side pins; keep passenger-side pins locked.
- **To Raise:** Press and hold the "UP" button.
- **To Lower:** Press and hold the "DOWN" button.
- **Stop at Any Height:** Release the button to pause.
- After lowering, re-engage all pins and latches securely before towing or moving the trailer.

① Lock Pin



② Latch



2.7 Trailer Connection Instructions

- Align the towing vehicle so the hitch ball is directly beneath the trailer coupler.
 - Raise the trailer coupler and lower it onto the hitch ball.
 - Secure the coupler using the locking mechanism or safety pin.
 - Attach the safety chains to the vehicle in a crisscross pattern beneath the drawbar.
 - Connect the trailer plug to the vehicle's electrical socket to power lights and (if applicable) the brake system.
 - ⚠ If your trailer has electric brakes, ensure that:
 - Your vehicle is fitted with an electric brake controller; or
 - The trailer is equipped with a self-contained Elec Brake system.
 - Check all brake lights, turn signals, and taillights for proper operation.
 - Ensure the trailer is level, balanced, and stable before travel.
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2.8 Modifications Warning

Do not modify or alter the trailer in any way unless written approval is obtained from King Kong Trailers. Unauthorised modifications may compromise safety and will void warranty coverage.

2.9 Risk Management Statement

King Kong Trailers implements a risk-based approach to ensure operator and bystander safety. Key risk controls include:

- Routine inspection and maintenance per Section 7.
- Operator compliance with safety procedures in Section 2.
- Mandatory use of PPE during tipping and maintenance.
- Load balancing and restraint to prevent instability.
- Immediate cessation of operation if hydraulic, brake, or coupling failure is detected.

Owners and operators must assess their operating environment and ensure safe practices are followed at all times.

3.0 SPECIFICATIONS OVERVIEW

King Kong Trailers' hydraulic tipper range includes robust, fully galvanised configurations built for durability, ease of use, and safety. These trailers are engineered to meet the demands of both commercial and private users. Below is a breakdown of standard specifications across the core hydraulic tipper models.

3.1 Model Specifications

8×5 Tandem Axle Hydraulic Tipper (Box Trailer)

ATM: 3200–3500 kg

Chassis: Fully hot-dip galvanised, reinforced RHS steel

Axle/Suspension: Tandem with eye-to-eye or rocker roller suspension

Brakes: Electric brakes with breakaway unit

Wheels: 14" Sunraysia rims with LT tyres

Floor: Checker plate steel with heavy-duty tipping frame

Hydraulics: Electric-hydraulic power pack with wired remote

10×5 / 10×6 Tandem Axle Hydraulic Tipper (Box Trailer)

ATM: 3200–4200 kg

Chassis: Galvanised RHS construction with reinforced floor supports

Axle/Suspension: Rocker roller tandem suspension

Brakes: 4-wheel electric brakes, ADR compliant

Hydraulics: 12V power unit with safety valve, wired controller

Features: Tie-down rails, drop sides, LED lights, dual rear tailgates

12×7 & 14×7 Hydraulic Flat Top Tipper

ATM: 3500–4500 kg

Chassis: Heavy-duty RHS steel, hot-dip galvanised

Floor: Full checker plate floor with reinforced tipping cradle

Suspension: Tandem rocker roller or tri-axle upgrade available

Hydraulics: Single- or dual-ram electric hydraulic system

Brakes: Full electric brakes on all wheels with breakaway safety

Additional: Lashing rings, ramp storage, mesh cage (optional)

12×7 Hydraulic 3-Way Tipper (Flat Top)

ATM: 3500–4500 kg

Tipping Directions: Rear, left-side, right-side

Hydraulic System: Multi-directional tipping via selector valve

Chassis: Full-length galvanised RHS with cross-braced subframe

Controls: Wired hand control for precision operation

Brakes: Electric brakes with emergency breakaway battery

3.2 Standard Features Across All Models

- **Hot-Dip Galvanised:** Corrosion-resistant full steel construction
 - **ADR Compliance:** Braking, lighting, safety chains, and reflectors
 - **LED Lights:** Waterproof and shock-resistant
 - **Coupling:** 50mm electric brake coupling with dual chains
 - **Remote Control:** Wired remote for safe hydraulic operation
 - **Safety:** Lockable battery box, hydraulic safety valve, manual override
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Note: Specifications are subject to change due to ongoing product improvements and supplier variations. Always refer to the VIN compliance plate on your trailer for the most accurate model-specific data.

For diagrams and detailed specs, visit:

🔗 <https://kingkongtrailers.com.au/product-category/hydraulic-tipper-box-trailer>

4.0 TOWING AND HITCHING INSTRUCTIONS

Proper towing and hitching procedures are essential for safe trailer operation. Before each journey, follow the steps below to correctly connect your King Kong hydraulic tipper trailer to your towing vehicle.

4.1 Step-by-Step Hitching Procedure

1. Park on Level Ground

Ensure both the trailer and towing vehicle are on a flat surface. Engage the handbrake on the tow vehicle.

2. Align the Coupler and Tow Ball

Reverse slowly to position the vehicle's tow ball directly under the trailer coupler.

3. Lower the Coupler onto the Tow Ball

Use the jockey wheel to lower the coupler onto the ball until securely seated.

4. Lock the Coupling

Engage the latch mechanism and insert the coupling pin or clip to secure.

5. Attach Safety Chains

Cross both chains underneath the coupling and attach them to the vehicle using rated D-shackles.

6. Connect the Electrical Plug

Insert the 7-pin flat plug into the tow vehicle's socket. Check that it's firmly seated and free of corrosion.

7. Check Lights and Indicators

Test all lighting functions — brake lights, indicators, tail lights, and reverse lights (if applicable).

8. Check Breakaway System (if fitted)

Ensure the breakaway switch cable is connected to the tow vehicle and that the battery is charged.

9. Secure the Jockey Wheel

Fully retract or remove the jockey wheel. Lock in place if required.

10. Final Walkaround Check

Ensure all loads are secured, ramps are stowed, pins are locked, and nothing is loose or obstructing movement.

4.2 Towing Tips

- Ensure that 10–15% of the total trailer weight is on the tow ball.
- Use towing mirrors if your trailer is wider than your vehicle.
- Allow for increased stopping distance when braking.

- Avoid sudden swerves or sharp cornering.
 - Obey posted speed limits for towing (generally 100 km/h max in most states).
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4.3 Unhitching Procedure

- Park on a level surface and apply the handbrake.
 - Place wheel chocks behind trailer wheels.
 - Disconnect the electrical plug and breakaway cable.
 - Unhook the safety chains.
 - Release and lift the coupling latch.
 - Use the jockey wheel to raise the trailer off the tow ball.
 - Slowly drive the vehicle forward.
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5.0 LOAD AND WEIGHT DISTRIBUTION

Proper load distribution is critical to safe towing, handling, braking, and tyre life. Incorrect loading may cause trailer sway, uneven wear, or even structural damage. Always follow the guidelines below when loading your hydraulic tipper trailer.

5.1 Key Guidelines:

- **Do Not Exceed ATM**
The Aggregate Trailer Mass (ATM) includes the total weight of the trailer and its full load. Refer to the VIN compliance plate for your trailer's ATM rating.
 - **Tow Ball Mass (TBM)**
Maintain 10–15% of the loaded trailer weight on the tow vehicle's tow ball to ensure safe and stable towing.
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5.2 Balance the Load

- Distribute weight **evenly across the trailer bed**.
 - Place **heaviest items over or slightly forward of the axle(s)**.
 - Avoid rear-heavy loading, which can cause sway (fishtailing).
 - Keep the centre of gravity low by stacking **heavier items at the bottom**.
-

5.3 Securing the Load

- Use **rated tie-down straps** or ratchet straps across multiple anchor points.
 - Ensure cargo is secured to **prevent movement during braking, turning, or tipping**.
 - Check tie-downs during long trips.
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5.4 Axle and Suspension Load

- Do not overload one side of the trailer.
 - Ensure the load is distributed to prevent uneven wear or axle damage.
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5.5 Driving Tips While Loaded

- Allow extra stopping distance.
 - Take turns and corners slowly.
 - Avoid abrupt lane changes or high-speed manoeuvres.
 - If unsure about your total weight, use a **weighbridge** to verify compliance.
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6.0 BRAKING SYSTEM

As of 10 July 2025, all King Kong hydraulic tipper trailers are equipped with electric brakes and a breakaway system as standard—regardless of size or Aggregate Trailer Mass (ATM). This ensures maximum safety and full compliance with Australian Design Rules (ADR) for trailer braking systems.

6.1 Key Components

- **Electric Brakes**

Installed on all wheels. Controlled via an electric brake controller in the towing vehicle, these provide proportional braking for safer towing under load.

- **Breakaway System**

Standard across all models. This system automatically engages the trailer brakes if the trailer becomes detached from the towing vehicle.

- **Brake Controller**

Your towing vehicle must be fitted with a compatible brake controller (proportional or time-delay) to operate the trailer's electric brakes effectively.

6.2 Routine Brake Checks

- Inspect brake linings and drums **every 6 months or 5,000 km.**
- Test brake controller responsiveness **before every trip.**
- Verify that the **breakaway battery** is fully charged and the switch functions correctly.
- Listen for any **unusual sounds, grabbing, or uneven braking.**

6.3 Maintenance Tips

- Keep brake assemblies **dry and clean.**
- After exposure to water (e.g., boat ramps or storms), clean and dry brake components thoroughly.
- Replace worn parts such as magnets, shoes, or drums promptly.

6.4 Troubleshooting

- **Brakes not engaging:**
 - Check trailer plug connection, battery voltage, or brake controller settings.

- **Brakes locking or grabbing:**
 - May indicate incorrect gain on controller or worn hardware.
- **Breakaway not functioning:**
 - Test monthly by pulling the pin manually and checking that brakes engage.

For technical support or parts, contact **King Kong Trailers** on **1300 311 333** or visit www.kingkongtrailers.com.au

7.0 MAINTENANCE SCHEDULE

Routine maintenance is essential to ensure the long-term safety, reliability, and warranty compliance of your King Kong hydraulic tipper trailer. This section outlines standard inspection and service intervals. Trailers used in harsh, off-road, or commercial conditions may require more frequent servicing.

7.1 Breakaway System Notice

For trailers over 2000kg ATM, test the breakaway system **before each trip**. Confirm that the cable, battery, and pin function as required under ADR standards.

7.2 Maintenance Checklist

Item	Frequency	Action
Tyres	Before each trip	Check pressure, inspect tread and sidewalls
Brake System	Monthly	Test brake function, inspect wiring, and adjust as needed
Wheel Bearings	Every 6 months	Clean, inspect, and repack with grease

Item	Frequency	Action
Coupling & Chains	Monthly	Lubricate and check for wear, tightness, and security
Electrical System	Monthly	Inspect plug and wiring for corrosion, wear, or disconnection
Chassis & Frame	Annually	Inspect for rust, structural fatigue, and weld cracks
Breakaway System	Monthly	Test battery, switch, and cable integrity
Jockey Wheel	Every 3 months	Lubricate shaft, tighten brackets, inspect for smooth operation

7.3 Maintenance Tips

- Keep detailed records in your service log (see Section 11).
- Always use manufacturer-approved parts and lubricants.
- Rinse the trailer thoroughly after exposure to saltwater or corrosive materials.
- Inspect LED lights, reflectors, and number plate holders regularly.
- Do not ignore small issues — address wear and looseness early to avoid major damage.

8.0 TYRE SAFETY

Tyres are one of the most critical components of trailer safety. Proper tyre maintenance prevents blowouts, improves towing stability, and extends tyre life. Follow the guidelines below to ensure your tyres are always roadworthy and compliant.

8.1 Tyre Safety Guidelines

- **Check Tyre Pressure Before Each Trip**

Inflate tyres to the recommended pressure indicated on the tyre sidewall. Under-inflated tyres can overheat and wear prematurely.

- **Inspect for Visible Damage**

Look for:

- Cracks in sidewalls
- Bulges or bubbles
- Embedded objects (nails, screws, glass)

- **Tread Depth Requirements**

Replace tyres when tread depth is less than **1.5 mm**, or sooner if uneven wear is detected.

- **Tyre Load Rating**

Ensure all tyres meet or exceed the **load rating specified for your trailer's ATM**.

- **Tyre Age Limit**

Tyres should be replaced every **5 years**, regardless of appearance. Check the DOT code on the tyre sidewall for the manufacturing date.

- **Tyre Rotation and Balancing**

Rotate tyres periodically to promote even wear. Have wheels balanced if you notice vibration or cupping.

- **Spare Tyre**

Always carry a **properly inflated spare** that matches the size, load rating, and type of your trailer tyres.

8.2 Additional Mechanical Checks

- **Wheels:**

Inspect for cracks, rust, or deformation. Check that wheel nuts are properly torqued before each trip.

- **Jockey Wheel:**

Ensure it operates smoothly, locks securely in the travel position, and is lubricated regularly. Inspect brackets and mounting bolts for looseness or wear every 3 months.

9.0 ELECTRICAL SYSTEM

All King Kong hydraulic tipper trailers are equipped with a fully ADR-compliant LED lighting system. These systems are designed for long life, low power consumption, and enhanced visibility in all towing conditions.

9.1 Standard Electrical Features

- **7-Pin Flat Plug**
Compatible with most Australian towing vehicles.
- **LED Lighting**
Includes:
 - Brake lights
 - Taillights
 - Indicators
 - Clearance lights
 - Number plate lightAll lights are waterproof, shock-resistant, and ADR-certified.

9.2 Maintenance and Inspection Tips

- **Test Lighting Before Each Trip**
Ensure all lights are functioning correctly — especially indicators and brake lights.
- **Inspect Connectors**
Check that the plug is securely fitted to your vehicle and that the pins are not bent, corroded, or dirty.
- **Check Wiring Harness**
Regularly inspect trailer wiring for:
 - Loose or exposed wires
 - Signs of wear, rubbing, or water ingress
 - Secure cable routing (away from suspension, tyres, or pinch points)

- **Protect Connectors from Corrosion**

Use **dielectric grease** on plug pins to prevent rust and moisture buildup.

- **Avoid Overloading**

Do not connect additional lighting or electrical devices that exceed the trailer's rated load capacity.

10.0 WARRANTY AND SUPPORT

King Kong Trailers stands behind the quality and reliability of its hydraulic tipper trailers. We offer comprehensive warranty coverage and ongoing support to give you peace of mind with every purchase.

10.1 Warranty Coverage

- **Structural Warranty:**

5-year coverage on chassis and frame (excluding rust from neglect, misuse, or impact damage)

- **Component Warranty:**

12-month coverage for:

- Leaf springs and suspension components
- LED lights and wiring harnesses
- Jockey wheels and couplings
- Electric brake components and hydraulic systems

10.2 Warranty Conditions

- Warranty applies only to the original purchaser.
- Proof of purchase is required for all claims.
- Trailers must be maintained according to the schedule in this manual (see Section 7).

- Use of non-genuine parts or unauthorised modifications will void the warranty.
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10.3 Exclusions

The warranty does not cover:

- General wear and tear (e.g., tyres, brake pads, paint)
 - Damage caused by:
 - Overloading or unsafe towing
 - Accidents or collisions
 - Corrosion due to lack of cleaning
 - Unauthorised alterations or repairs
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10.4 Product Recall Policy

In the rare event of a safety recall, King Kong Trailers will:

- Publish an official notice on our website

Note: It is the owner's responsibility to keep their contact details up to date.

Support & Contact Details

- Website: www.kingkongtrailers.com.au
 - Email: info@kingkongtrailers.com.au
 - Phone: 1300 311 333
 - Address: 3 Peachtree Road, Penrith NSW 2750, Australia
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11. SERVICE LOGBOOK (next page)

Table: Printable log sheet

Date	Service Performed	Service Provider	Signature

Date	Service Performed	Service Provider	Signature

