

SKYY RIDER ELECTRIC



SKYY RIDER®



BATTERY OPERATED PLATFORM TRUCK

OWNER'S MANUAL



Nihar Panda

CEO & Managing Director

Message

From

CEO.....

Thank you for selecting the Skyy Rider Electric Battery-Operated Platform Truck, the leading material-handling vehicle known for its unparalleled efficiency and enduring value. By choosing our product, you've opted for the highest quality platform truck available. To ensure your platform truck remains a reliable investment, please review and adhere to the maintenance instructions provided in this manual.

Your safety and operational efficiency are paramount to us. We strongly advise reading and following the detailed operational instructions and safety measures outlined in this manual. These instructions are crucial for avoiding the potential risk of serious personal injury. If you plan to lend or assign your vehicle to others for operation, we highly recommend requesting them to review this manual before use.

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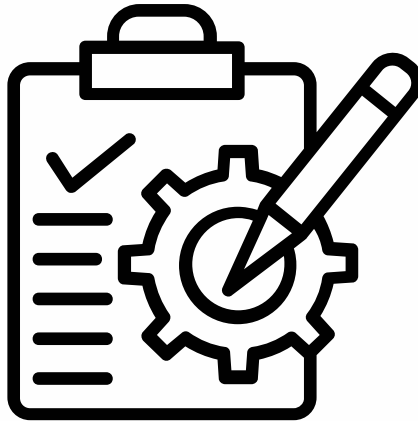
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SKYY RIDER

NOTICE



This notice outlines the Skyy Rider Warranty for individual BOPT and provides information on the specific limited warranties for various components. No other warranties, whether expressed or implied, are included.

Skyy Rider is not responsible for any errors in this manual or for any incidental or consequential damages resulting from its use. The vehicle complies with the current Indian Standards Safety and Performance Requirements for BOPT, which define a BOPT as a vehicle used for transporting heavy goods and equipment inside factories, warehouses, cargo yards etc and in the large campuses. Throughout this manual, "BOPT" and "vehicle" are used interchangeably.

This manual contains copyrighted proprietary information, and all rights are reserved. Reproduction, translation, or photocopying of any part of this manual without written consent from Skyy Rider Electric is prohibited. The information in this document is subject to change without prior notice, and Skyy Rider reserves the right to implement design modifications on previously sold units without obligation.

These vehicles are and are not intended for use on public streets, roads, or highways.

This manual is an integral part of your Skyy Rider Electric BOPT and should always accompany the vehicle. It contains essential information for the operation, maintenance, and safety of your vehicle. It serves as a valuable resource for the new owner and helps maintain the vehicles performance and reliability.

Properly following the guidelines in this manual can extend the lifespan of your vehicle. Keep it accessible for quick reference and troubleshooting. Your adherence to this manual ensures the best experience with your Skyy Rider Electric Battery Operated Platform Truck.

PRE-OPERATION GUIDELINES



Aiyla Hakim

Skyy Rider Electric is dedicated to enhancing product quality. Although this manual contains the latest product information available at the time of printing, there may be slight differences between your vehicle and the manual. If you have any questions about this manual, please reach out to your Skyy Rider representative, and we will promptly assist you.



The Safety alert symbol attention ! be alert ! Your Safety is involved



Failure to follow WARNING instruction could result in severe injury or death to the users.



This message describes special precautions that must be taken so as to avoid damage to the platform truck.

WARNING

- When washing the electric vehicle, avoid putting water in contact with any electrical parts.
- The electric vehicle must be charged in a clean and ventilated area to avoid the risk of explosion or fire.
- The ignition key must be in the "OFF" position when charging the vehicle.
- This vehicle is not intended to use on public roads. It should only be operated in a safe area, as allowed by local rules and regulations.

Security Warning

BEFORE DRIVING

No modifications/customizations/alterations are to be made with prior information to the OEM. It is highly recommended to read and understand the safety instructions and Owner Manual before operating the vehicle. All appropriate systems must be checked as required. Do not drive the vehicle if it is under repair and maintenance. Only trained/qualified individuals are allowed to drive the vehicle. Flammable and explosive items are not to be kept in the vehicle at any time. It can only be operated in approved locations.

WHILE DRIVING

All passengers must be comfortably seated before moving the vehicle in any desired direction. Overhead grab handles/handlebars provided by the OEM must be used by every passenger. Taking sudden turns/stops and dramatic changes in speeds must be avoided. The vehicle must be always operated within the safe speed limits of the respective premise to ensure the safety of occupants and pedestrians.

AFTER DRIVING

To bring the vehicle to a complete stop, release the throttle pedal and gently apply the foot brakes. Turn the ignition key to "OFF" position and remove the key. Engage the parking brake to secure the vehicle in place and prevent unwanted movement.



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Aiyla Hakim
HR Coordinator

Please read the attached label carefully before driving the vehicle. These labels contain important safety and operational information. Keeping them intact ensures the safe and proper use of your vehicle. Always check that labels are legible and in place before use.

OPERATING INSTRUCTIONS

- Read the Owner Manual & Safety Warnings located on the front body panel before driving the vehicle.
- Study, analyze and understand the instructions.

TO OPERATE THE VEHICLE

- Get yourself seated in the driver's seat comfortably.
- Ensure a firm grip on the steering wheel and turn the wheels in the desired direction.
- Check the Driving Mode by switching the Mode Selector on the steering stock lever.
- Push the Mode Selector down to go into Forward mode and pull it up to go into Reverse Mode.
- Disengage the Parking Brake.
- Turn the key to "ON" position.
- Gently press the throttle pedal to move in the desired direction.
- It is recommended to increase speed gently.
- To bring the vehicle to halt, release the throttle pedal and press the foot brake pedal gently.
- Do not press the throttle pedal and foot brake pedal simultaneously.

BEFORE LEAVING THE VEHICLE

- Turn the key to the "OFF" position.
- Engage the parking brake until it holds and locks the wheels of the vehicles.
- Remove the key from ignition key cylinder.

CHECKLIST

Use the following checklist as a guide to inspect your vehicle. This checklist should also be used in conjunction with the Periodic Service Schedule. Any problems should be addressed exclusively by your Skyy Rider trained technician.

•**General:** All the parts should be in place and properly installed. Be sure that all nuts, bolts, and screws are tight

•**Tires:** Ensure the tire pressure is correct.

•**Batteries:** Confirm that the electrolyte level is appropriate.



PERFORMANCE INSPECTION

Once you are familiar with the vehicle's controls and have read and understood the driving instructions, take the vehicle for a test drive. Use the following checklist as a guide to inspect your new vehicle. Any issues should be addressed exclusively by your Skyy Rider trained technician.

- **Brakes:** Ensure the brakes are working correctly. When the brake pedal is fully pressed with moderate pressure, it should not travel more than halfway to the floor. The vehicle should come to a smooth, straight stop.

Park Brake: When engaged, the park brake should lock the wheels and keep the vehicle stationary on inclines of 20% or less. It should release when either the accelerator or brake pedal is pressed.

- **Reverse Buzzer:** The reverse buzzer will sound as a warning when the Forward/Reverse handle is in

REVERSE.

- **Steering:** The vehicle should be easy to steer and should not have any play in the steering wheel.
- **Accelerator:** With the key switch ON and the Forward/Reverse switch in the FORWARD position, as the accelerator pedal is depressed, the motor should start and the vehicle should come up smoothly to full speed. When the pedal is released it should return to the original position and the motor should stop. All vehicles operate at reduced speed in reverse.

- **General:** Listen for any unusual noises such as squeaks or rattles. Check the vehicle's ride and performance. Have a Skyy Rider trained technician investigate anything unusual.

COMBI-LEVER FUNCTION (CLF) TECHNOLOGY



Skyy Rider is the first company to introduce Combi-Lever Function (CLF) Technology for forward and reverse movement in vehicles. This innovative feature allows for easy and convenient maneuvering with just a simple touch. The intuitive design enhances user experience, making it effortless to switch directions. With CLF Technology, Skyy Rider sets a new standard in BOPT operation, offering unparalleled convenience and safety. Enjoy a smooth, hassle-free ride with Skyy Rider's groundbreaking technology. Experience the future of material handling today!



THROTTLE & BRAKE PEDALS

The Forward/Reverse (F&R) switch is conveniently located just near the steering wheel on all models; specifically, it can be found on the seat support panel below and to the right of the driver's right knee. The Combi switch clearly indicates the F (FORWARD) and R (REVERSE) positions.

To move the vehicle forward, press down the F (FORWARD) side of the switch. To move in reverse, press down the R (REVERSE) side.

When the F&R combi switch is in the NEUTRAL position, with neither side pressed down, the vehicle will not operate even if the accelerator pedal is pressed. Additionally, a reverse buzzer will sound as a warning when the Forward/Reverse switch is set to REVERSE.



ACCELERATOR PEDAL

In the Skyy Rider BOPT, the accelerator pedal is the pedal on the right. Unlike in an automobile, the operation of the accelerator pedal differs. When the key switch is ON and the Forward/Reverse handle is set to either FORWARD or REVERSE, pressing it will initiate movement in the selected direction. As the accelerator pedal is pressed further, the speed of the vehicle will increase until full speed is reached. Releasing the accelerator will cut off power and stop the motor.



Pedals in Skyy Rider BOPT

PARKING BRAKE

To park the Skyy Rider BOPT, bring the vehicle to a complete stop. Once stopped, pull the parking brake lever to engage the park brake. This action will securely hold the vehicle in place, preventing any unintended movement. Always ensure the parking brake is fully engaged before leaving the vehicle. This simple step ensures the safety and stability of your vehicle.



Park Brake Lever



WARNING

To release the parking brake on the Skyy Rider BOPT pull down the parking brake lever. Once the brake is released, gently press the accelerator pedal to start moving the vehicle. This will smoothly transition the cart from a stationary position to motion. Always ensure the parking brake is fully released before driving. Following this procedure helps maintain safety and control while operating your Skyy Rider golf cart.

Warranty and After-Sales Service

Please review the following information to ensure you receive the best after-sales service and support.

Warranty Coverage and Validity

Please read this instruction manual carefully after purchasing your vehicle from us. We guarantee repair or replacement for issues related to material defects or design flaws.

Scope and Details

Standard Warranty: We offer free repair services for issues covered under our standard warranty after the vehicle is delivered from our factory.

Parts Not Covered: For universal parts such as tires and cushions, which are not covered under warranty, please contact us for assistance.

Major Quality Issues: If you encounter significant quality problems, we will send technicians to address them.

Post-Warranty Service: We provide long-term after-sales support even after the warranty period has expired.

Exclusions from Warranty

Instruction Compliance: Warranty is void if the car is not used according to the instructions in the manual.

Unauthorised Repairs: Repairs performed at locations not authorised by us will not be covered.

Out of Warranty: Services or repairs needed after the warranty period has expired are not covered.

Non-Authorised Parts: The use of spare parts from other manufacturers will void the warranty.

Unauthorised Modifications: Any modifications or assembly performed without our permission are not covered.

Exceeding Maximum Capacity: Damage resulting from exceeding the car's maximum capacity is not covered.

Natural Disasters: Damage caused by natural disasters such as typhoons, floods, or earthquakes is not covered under warranty.

Storage

When leaving your vehicle unused for an extended period, please follow these preparation steps:

Note: Turn the main switch key to the **"OFF"** position, remove the key, and store it in a secure location.

Battery Preparation

- Recharge the batteries and inspect the fluid levels at least once a month.
- Disconnect the battery cables if the cart will be stored for a long duration.



WARNING

- Do not use cleaning products inside the battery cells.
- Clean the top of the batteries with a mixture of baking soda and water to prevent corrosion.

SPECIFICATIONS



MOTOR & TRANSMISSION		FUEL & PERFORMANCE	
MOTOR	5000- 8000 W	FUEL TYPE	ELECTRIC
CONTROLLER	60 V, STEPLESS MOSFET	MAX. RANGE	50 - 60 KM
CONVERTER	60 V DC TO DC	MAX. GRADEABILITY (IN %)	UNLADEN: 10 LADEN: 7
DRIVE TYPE	AUTOMATIC	BATTERY CAPACITY	DEEP CYCLE LEAD ACID, 10 X 6 V 225 AH
MOTOR TYPE	PMSM TYPE	MAX SPEED (UNLADEN)	UPTO 25 KM/H
EFFICIENCY	96%	MAX. SPEED (LADEN)	UPTO 15 KMPH
MAX TORQUE @ RPM	28 NM @ 2340 RPM	CHARGER	60 V 40 A, SINGLE-PHASE, AUTO CUTOFF CHARGER
GEAR BOX	REDUCTION TYPE	CHARGING TIME	8 - 10 HOUR
TRANSMISSION TYPE	2-SPEED VARIABLE TORQUE TYPE	OPERATION TYPE	SEATED
SUSPENSION, STEERING & BRAKES		DIMENSIONS & CAPACITY	
FRONT SUSPENSION	HEAVY DUTY PARABOLIC LEAF SPRING	OVERALL LENGTH (IN MM)	3660
REAR SUSPENSION	HEAVY DUTY SEMI- ELLEPTICAL LEAF SPRING	OVERALL WIDTH (IN MM)	1530
BRAKES	FRONT: HYDRAULIC DISC REAR: HYDRAULIC DRUM	OVERALL HEIGHT (IN MM)	2100
PARKING BRAKE	MECHANICAL LINKAGE TYPE	GROUND CLEARANCE (IN MM)	120
STEERING	MANUAL, PITMAN ARM TYPE	WHEEL BASE (IN MM)	1920
TYRE TYPE	SOLID RUBBER TYRES	TRACK WIDTH (IN MM)	1325
TYRE SIZE	21 INCHES	LOADING CAPACITY	2 TON/3 TON
FRONT AXLE	DEAD AXLE WITH STEERING LINKAGES	LOAD PLATFORM SIZE (LXWXH) (IN MM)	2133 X 1371 X 585
REAR AXLE	FULLY FLOATING TYPE	SEATING CAPACITY	D+1
BODY	POWDER COATED, HIGH GRADE MS	TURNING RADIUS	< 4 M

CLEANING THE VEHICLE



To clean the front and rear bodies of the vehicle, use only commercially available automotive cleaners along with a sponge or soft cloth. It is not recommended to use pressure washers or steam cleaners, as these methods can expose electrical components to moisture. Moisture can cause water damage and lead to component failure.

For best results, use non-abrasive wax products. If the vehicle comes into contact with substances such as battery acid, fertilizers, tar, asphalt, creosote, paint, or chewing gum, these should be cleaned off immediately to avoid staining.

Proper care of the seats will extend their lifespan. Clean them with a solution of 10% liquid soap and warm water, using a soft cloth. For embedded dirt, a soft bristle brush can be used. In the case of heavy soiling, stubborn stains, or scratches, follow the same cleaning procedure to maintain the appearance and condition of the vehicle.

ACCESSORIES

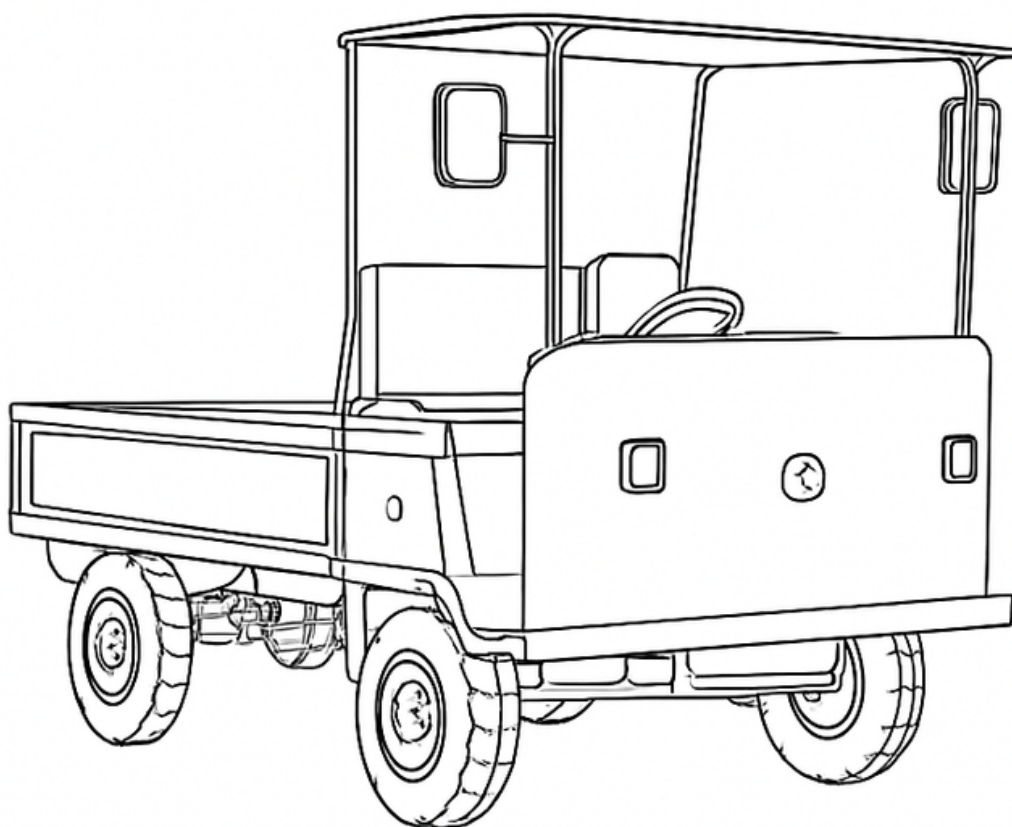
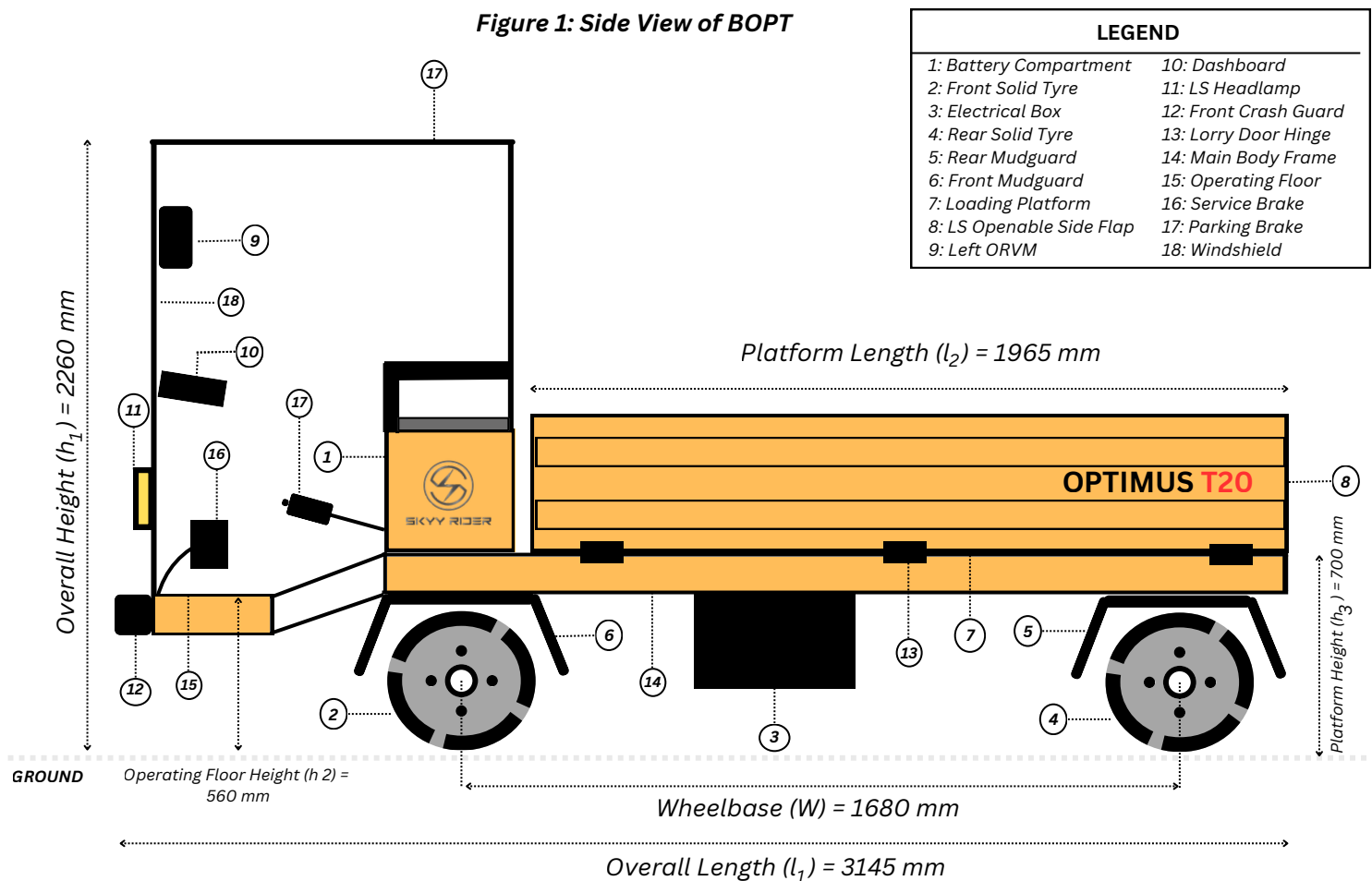
Skyy Ride offer a full range of accessory equipment. It is important to ensure that these accessories are installed correctly by trained technicians and used according to their intended purpose. Please refer to the following WARNING for further information.

DRIVING INSTRUCTIONS



- Only trained drivers should operate this vehicle.
- If renting or lending the vehicle, ensure the driver understands all controls and operating procedures before allowing them to drive.
- This vehicle is not specially equipped for individuals with disabilities.
- Ensure all drivers can properly operate the vehicle before allowing them to drive.
- For nighttime use, the vehicle must have headlights, taillights, and reflectors.
- Stop the vehicle before changing the forward/reverse switch. Not doing so could injure an unsuspecting passenger or damage the vehicle.
- To avoid being hit, do not stand in front of or behind the vehicle.
- When operating the vehicle, the driver should do so from the driver's seat only.
- Remain seated and hold onto seat handles or handrails to prevent falls while the vehicle is moving.
- The driver should keep both hands on the steering wheel while the vehicle is in motion.
- To avoid serious injury, keep your entire body inside the vehicle.
- Do not leave children unattended on the vehicle.
- To prevent the vehicle from overturning, drive slowly straight up and down slopes. Avoid slopes steeper than a 20% incline.
- To avoid potential injury to inattentive passengers or damage to the vehicle, avoid sudden starts, stops, and sharp turns.
- Do not use the vehicle on public roads. It is not designed or intended for street use and should not be licensed for public road use.
- Do not drive under the influence of alcohol, drugs, or medications.
- Drive slowly in turns to prevent overturning the vehicle.
- Use the brakes to reduce speed when coasting downhill.

Figure 1: Side View of BOPT

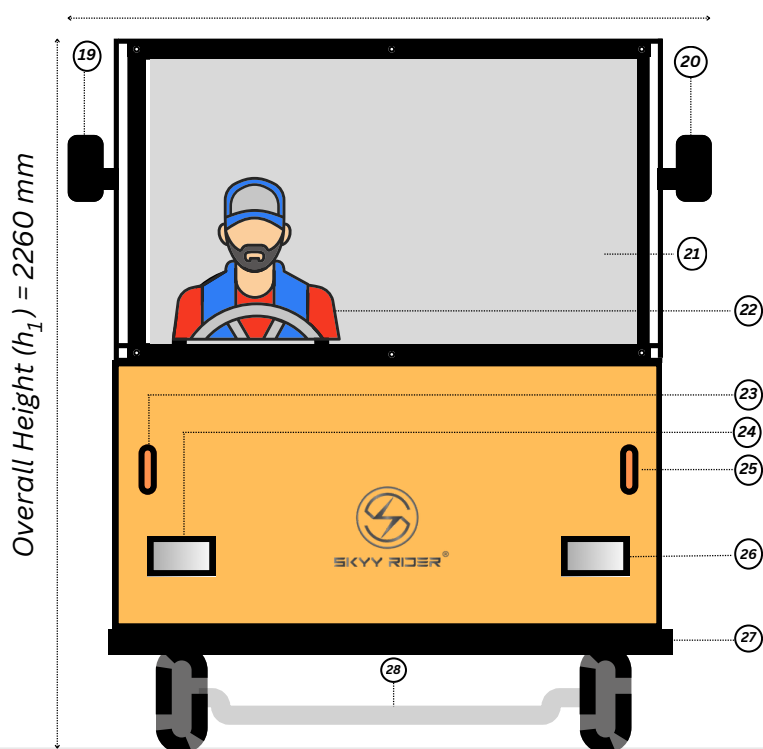




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Figure 2: Front View of BOPT

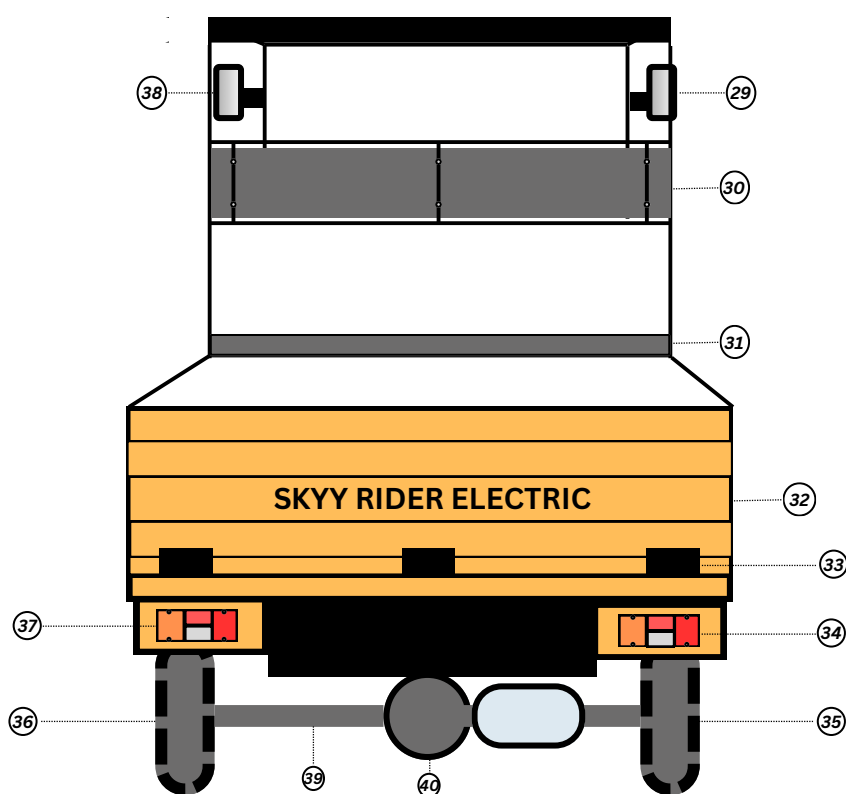
Overall Width ($w_1 = 1420$ mm)



LEGEND

- | | |
|------------------------------|-----------------------|
| 19: Right ORVM | 24: RS Headlight |
| 20: Left ORVM | 25: LS Turn Indicator |
| 21: Windshield | 26: LS Headlight |
| 22: Driver Position in Cabin | 27: Front Crash Guard |
| 23: RS Turn Indicator | 28: Front Stub Axle |

Figure 3: Rear View of BOPT



LEGEND

- | | |
|----------------------|-------------------|
| 29: Right ORVM | 35: RS Rear Tyre |
| 30: Backrest | 36: LS Rear Tyre |
| 31: Driver Seat | 37: LS Tail Light |
| 32: Rear Openable | 38: Left ORVM |
| 33: Lorry Door Hinge | 39: Rear Axle |
| 34: RS Tail Light | 40: Gearbox |

Towing

Warning:

- Do not tow the vehicle on public streets or highways.
- Only use approved Platform tow bars for towing.
- Ensure the key switch is set to OFF and the Forward/Reverse handle is in NEUTRAL before towing the vehicle.
- Exercise extreme caution when towing any vehicle.
- Do not exceed a towing speed of 5 mph (8 km/h).
- No passengers should be in the vehicle being towed.
- Avoid sudden starts, stops, and sharp turns while towing.
- Do not stop on a hill when towing. If stopping on a hill is unavoidable, prevent sudden starts or rolling backward and stopping abruptly, as this could cause the vehicle to overturn, leading to severe personal injury.
- Do not tow one platform truck vehicle with another platform truck. If multiple vehicles need to be towed, use a sufficiently powered vehicle (tractor or full-sized truck) with a properly fitted tow hitch at a height of 11 inches (28 cm). Only heavy-duty tow bars should be used for towing multiple vehicles. Never tow more than five vehicles simultaneously.
- All vehicles have tow bar attachment points at both the front and rear. A light-duty tow bar is available for emergency towing and single-vehicle towing. Heavy-duty tow bars and onboard tow bars are available for towing multiple vehicles. Always follow the above warning statements when towing.

Transporting on a Trailer

Warning:

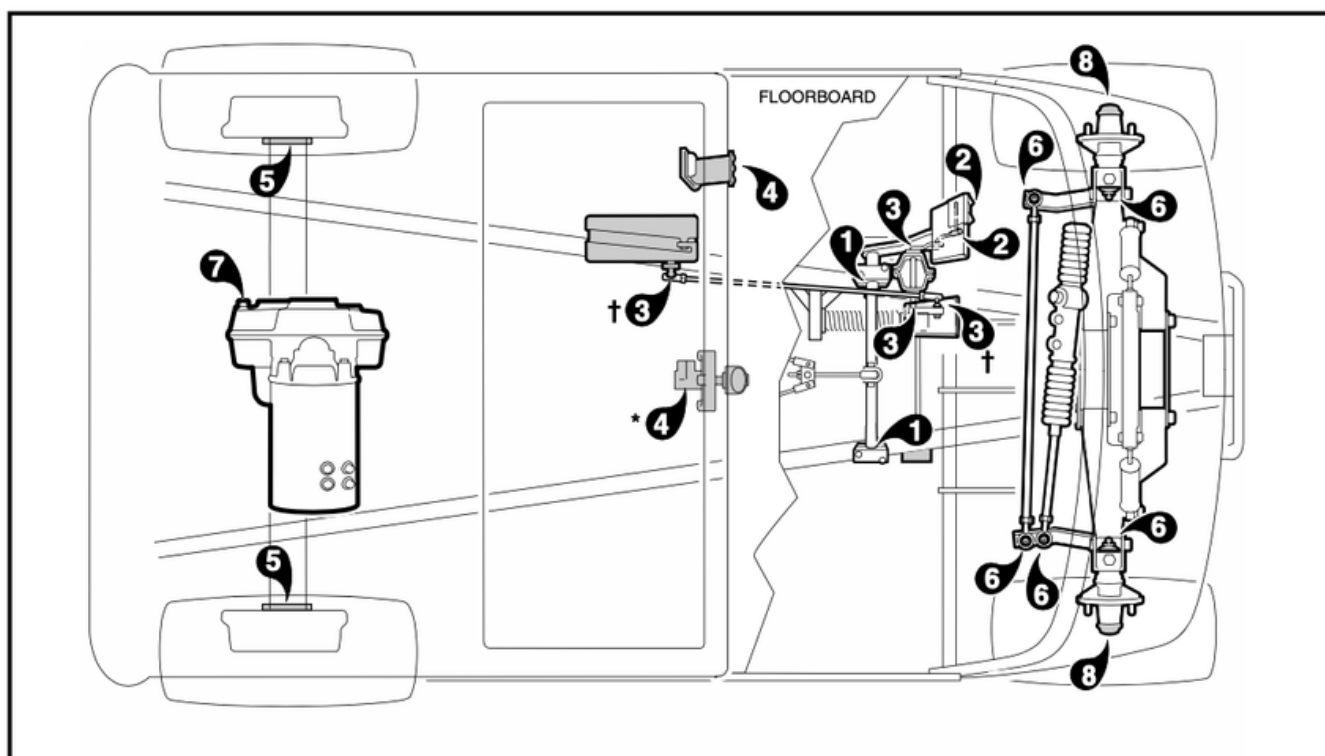
- For use on public roads, trailers must comply with all federal, state, and local regulations, including having taillights, brake lights, etc.
- Never tow a vehicle behind a passenger vehicle or truck on public roads unless it is secured on an approved trailer.
- Secure the vehicle firmly to the trailer, ensuring the Forward/Reverse handle is in NEUTRAL, the key switch is OFF, and the park brake is engaged and locked.
- Do not allow passengers in the trailer or the vehicle being towed.
- Avoid sudden starts, stops, and sharp turns while towing.
- Do not stop on a hill when towing. If you must stop on a hill, prevent sudden starts or rolling backward, which could cause the vehicle to overturn and result in severe personal injury.
- Reduce the normal road speed of the tow vehicle when towing a trailer.
- Be cautious when turning corners due to the added length of the trailer.
- When transporting the vehicle over long distances or on public highways, use an approved trailer with a load rating of at least 1200 lbs (1200 kg) per vehicle being transported.



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PERIODIC LUBRICATION SCHEDULE

PERIODIC LUBRICATION SCHEDULE			
REGULAR INTERVAL	SERVICE	PLACE*	RECOMMENDED LUBRICANT
Semiannually by owner or trained technician (every	Brake pedal shaft bearings	1	Dry Moly Lube (CCI P/N 1012151)
	Brake linkage and pivots	2	Dry Moly Lube (CCI P/N 1012151)
	Accelerator rod pivots and mounts (V-Glide only) Accelerator pivot rod supports (PowerDrive and IQ System)	3	Dry Moly Lube (CCI P/N 1012151)
	Charger receptacle (all vehicles) Forward/Reverse switch contacts (V-Glide and PowerDrive only)	4	WD 40
	Brake slides	5	Dry Moly Lube (CCI P/N 1012151)
	Front suspension (5 fittings)	6	Chassis lube – EP NLGI Grade 2
Annually by trained technician only	Check/fill transaxle to plug level	7	22 oz. (.67 liters) SAE 30 WT. API Class SE, SF, or SG oil (or higher)
	Inspect front wheel bearings (Repack as necessary)	8	Chassis Lube – EP NLGI Grade 2





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NOTE: If the vehicle is constantly subjected to heavy use or severe operating conditions, the preventive maintenance procedure should be performed more often than recommended in the service and lubrication schedules.

Both the Periodic Service Schedule and Periodic Lubrication Schedule must be followed to keep vehicle in optimum operating condition.

PERIODIC SERVICE SCHEDULE		
REGULAR INTERVAL	SERVICE	
Daily service by owner	Batteries	Charge batteries (after each use only).
Weekly service by owner	Batteries	Check electrolyte level. Add water if necessary. See page 27.
Monthly service by owner or trained technician	Batteries	Wash battery tops and clean terminals with baking soda/water solution.
	Tires	Check air pressure and adjust if necessary. See Vehicle Specifications on page 35.
	Wiper switch (V-Glide 36-volt vehicle only)	Check for cracks or other damage; make sure switch is securely fastened to frame. Check moveable contact for correct operation.
	General vehicle	Wash battery compartment and underside of vehicle.
Semiannual service by trained technician only	Brake system	Check brake shoes; replace if necessary. See Section 6 – Wheel Brake Assemblies in the appropriate maintenance and service manual.
		Lubricate brake slides per Lubrication Schedule. See Section 6 – Wheel Brake Assemblies in the appropriate maintenance and service manual.
		Check brake cables for damage; replace if necessary.
	Electrical wiring and connections	Check for tightness and damage.
	Forward/Reverse switch	Check condition of contacts and wire connections. Make sure connections are tight.
	Front wheel alignment and camber	Check and adjust as required. See Section 7 – Steering and Front Suspension in the appropriate maintenance and service manual.
	Motor controller output regulator (MCOR)	Check for loose hardware, cracks and other damage.
Annual service by trained technician only	Batteries	If batteries are not performing as expected, see Section 13 – Batteries in the appropriate maintenance and service supplement.

WARNING

- If any problems are found during scheduled inspection or service, do not operate the vehicle until repairs are made. Failure to make necessary repairs could result in fire, property damage, severe personal injury, or death.



"Scan to access the website."



Contact us for further inquiries



Bhubaneswar, Odisha ,India | +91 9124587403 | www.skyyriderelectric.com
| +91 9124587402 |

Figure 1: Side View of BOPT

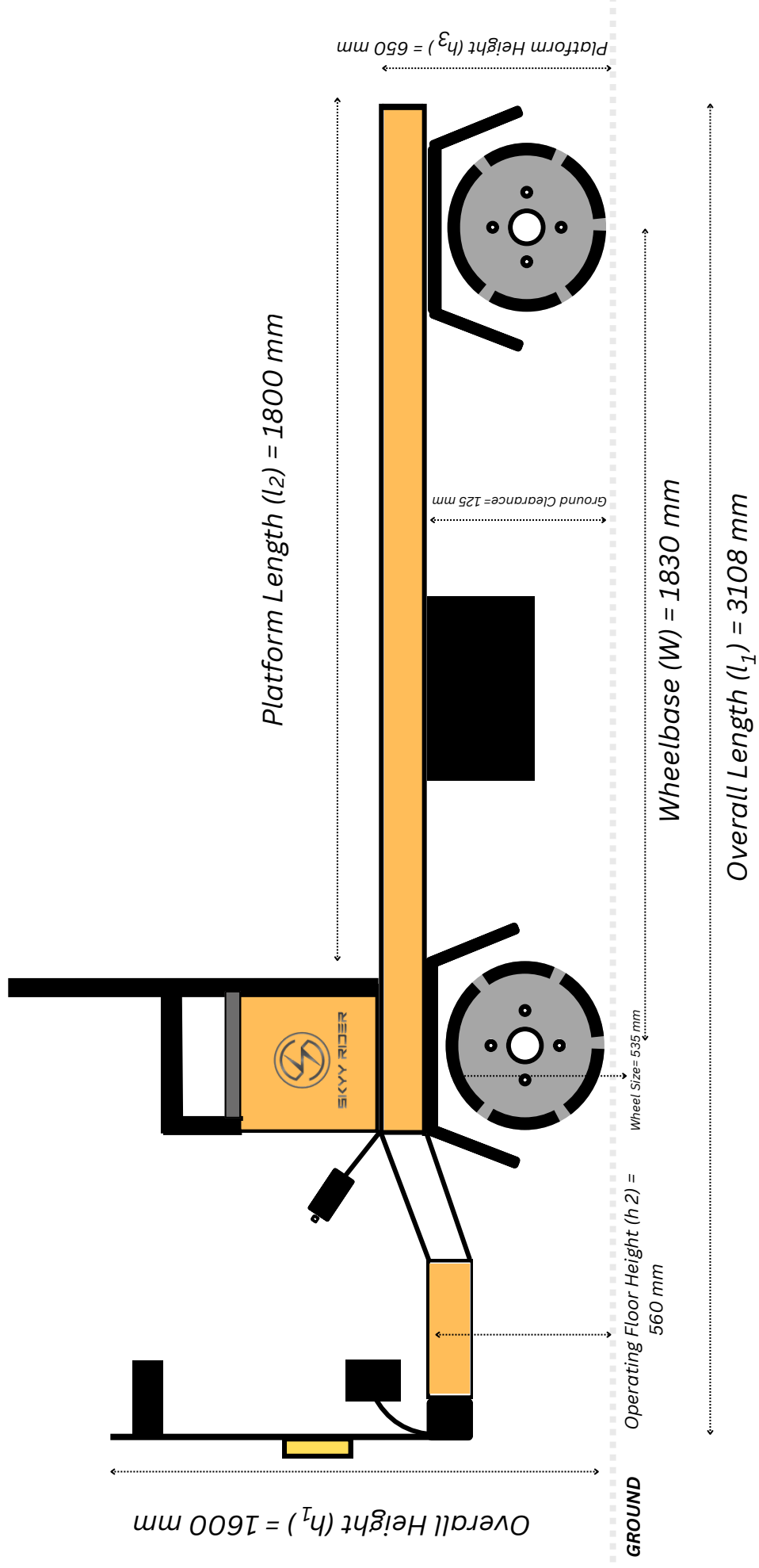


Figure 2: Front View of BOPT

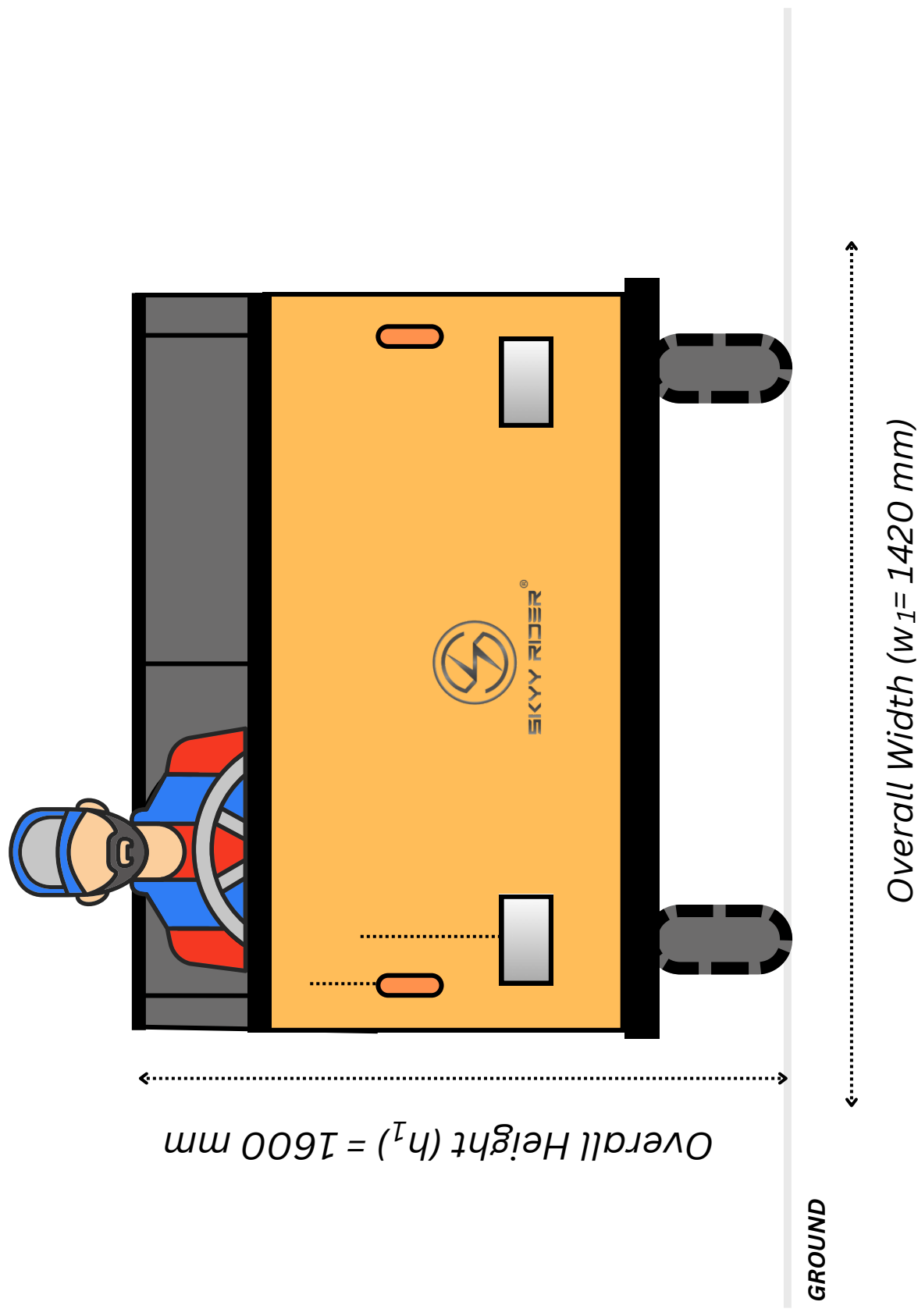


Figure 3: Rear View of BOPT

