

QUADDY

ANNEX

OWNER'S / OPERATOR'S MANUAL



UTILITY VEHICLE



Read this manual carefully before operating this vehicle.

QDY UMQ

UMT/UML

The batteries equipped on UMQ are compliant with
Regulation (EU) 2023/1542 concerning batteries and
wasted batteries.

Manufacturer:
Quaddy S.R.L
Via Torino 52, La Cassa
10040 - Italy

INTRODUCTION

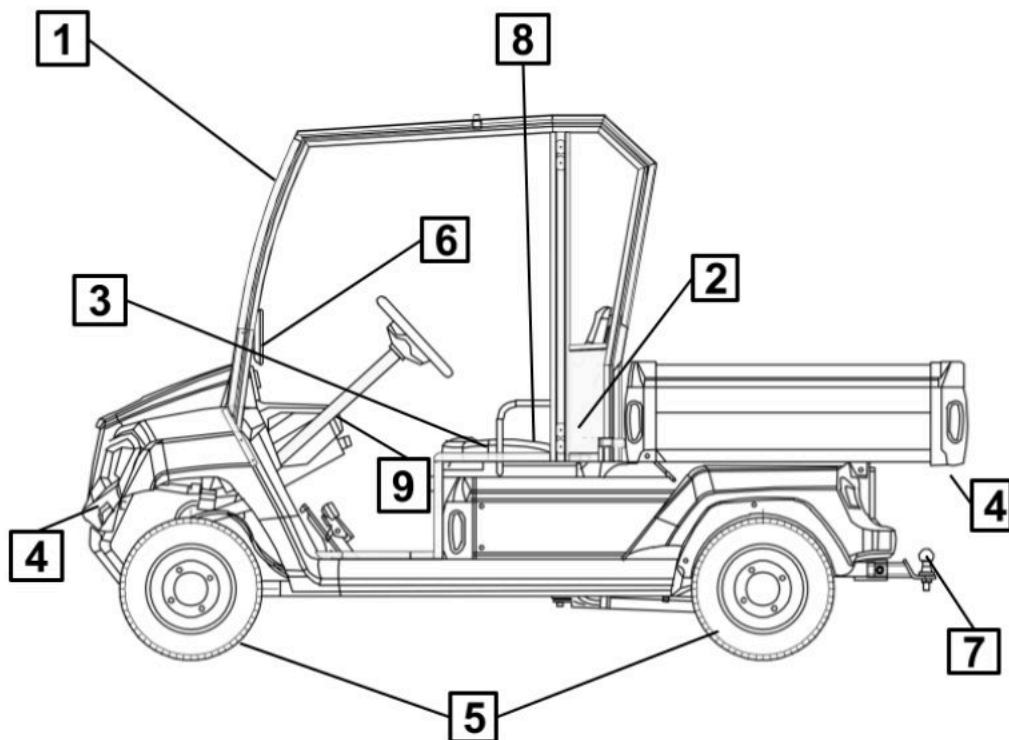
Your vehicle is equipped with features to comply with European road legal regulations. These features are added to the base vehicle by Quaddy. The features and controls of the base vehicle are explained in the YAMAHA manual, this annex explains only the features added by QUADDY.

NOTICE

Some features may replace original features of the base vehicle.

⚠ WARN

- Be aware that the maximum design speed of the vehicle is 30 km/h. Always be mindful of the speed difference compared to other road users and avoid roads with permissible speeds exceeding 50km/h.
- Never use this vehicle on the highway.



1. ROPS structure EU certified
2. Seat belt
3. Adjustable seat
4. Turn lights, Position lights

5. Homologated tyres
6. Mirrors
7. Tow hitch
8. Hand brake lever
9. Speedometer

INTRODUCTION

Recycling and Disposal

- Dispose of the used batteries according to local regulations and recycling guidelines.
- Do not dispose of batteries with household waste.
- To prevent short circuits, cover the battery terminals with adhesive tape.
- When returning batteries, return them to the authorized dealer where you purchased them.
- Please consult authorized dealer or visit to battery company website for information on the effects of contained substances of batteries.



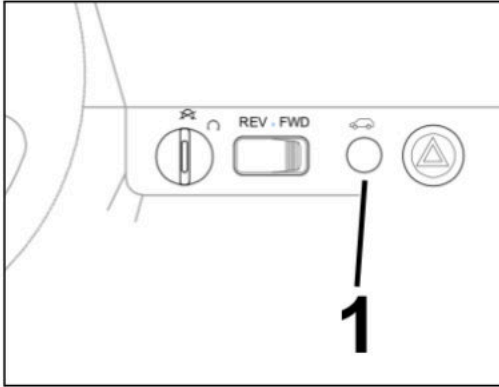
Symbol	
	Do not dispose of batteries with household waste.
	Batteries are recyclable. Follow the local regulations and recycling guidelines.
Pb	Batteries containing more than 0.004% Pb.

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CONTROLS



1. Ready button.

READY BUTTON

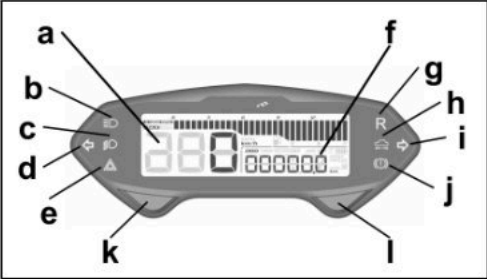
After each time the vehicle is turned "ON" with the main switch, the "Ready" button (1) must be pressed before the vehicle can be driven.

The ready button (1) illumination, with the vehicle turned on, is as follows: "GREEN" indicates the button must be pressed before the vehicle is ready to be driven. "OFF" indicates the button has been activated and the vehicle is ready to be driven. In this case the "ready to move" indicator on the display is on.

NOTICE

If the accelerator pedal is pressed before the vehicle is ready to be driven, the Malfunction Indicator Light (MIL) will light-up. To reset the MIL the vehicle must be set to "TOW" and back to "RUN", following the Yamaha UMX operators manual.

CONTROLS



- a. Speedometer
- b. High beam
- c. Low beam
- d. Direction indicator left
- e. Hazard warning light
- f. Clock
- g. Reverse indicator **R**
- h. "Ready to move" indicator
- i. Direction indicator right
- j. Park brake
- k. Select button
- l. Adjust button

DISPLAY

The display shows the vehicle speed as well as various tales.

TIP

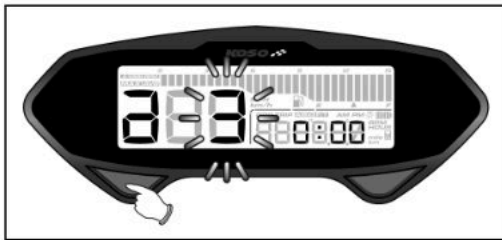
If the display has been restored, adjust the settings by entering the settings mode by simultaneously pressing buttons **k** , **l**. and navigating the settings with button **l**. Once the indicated parameters have been entered, hold down key 6 to confirm the changes and return to normal mode.

UMQ SETTINGS	
Setting 1	0540, 20P (Important for correct speed indication)
Setting 2	P-1, Lo Act, 15000rpm (Not applicable)
Setting 3	Clock
Setting 4	Luminance monitor 5
Setting 5	OFF
Setting 6	kmh o mph

FUNCTION BUTTONS SPECIFICATIONS

k	Press the Select button on the main screen to switch between 12-24 hour mode, speedometer record, stopwatch, and MAX record.
l	Press the Adjust button on the main screen to switch between ODO, TripA - B, Total Hour meter, Hour meter A - B

CONTROLS



CLOCK SETTING

Press and hold at the same time Select button (k.) and Adjust button (l.) to enter the setting mode.
Press the Select button (k.) to enter the clock setting screen (3).



Press the Adjust button to choose the setting number.

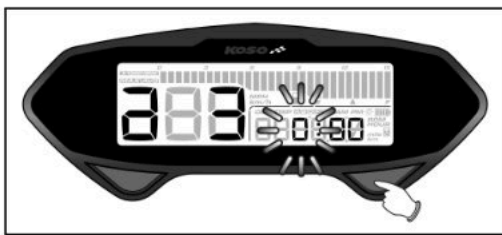
NOTICE

Setting range: 0~24H.



Press the Select button (k.) to enter time adjustment (hour/minute) setting screen.

EX. Setting time format from 12-hours to 24-hours



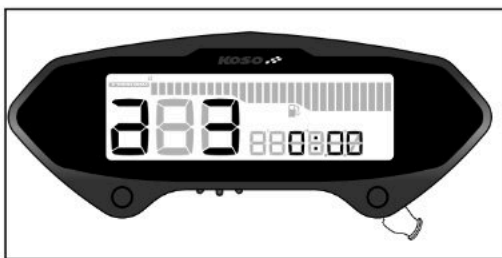
Press the Adjust button (l.) to choose the setting number.

NOTICE

Cursor moving order is:
Hour > Digit in ten minutes > Digit in minutes

NOTICE

Hours setting range: 0~23.
Minutes setting range: 00~59.



Press the Adjust button (l.) to enter next operation setting or long press Adjust button (l.) to save the setting and go back to the initial screen.



BACKLIGHT BRIGHTNESS

Press the Select button (k.) to enter the backlight brightness setting screen (4).

NOTICE

Adjustable Range: 1~5
Default value: 5

CONTROLS



Press the Adjust button to choose the setting number.

NOTICE

Setting range:
1(Darkest)~5 (Brightest), 5 different levels available.
Setting: 20% per leve. The backlight brightness will change immediately after you set the value.

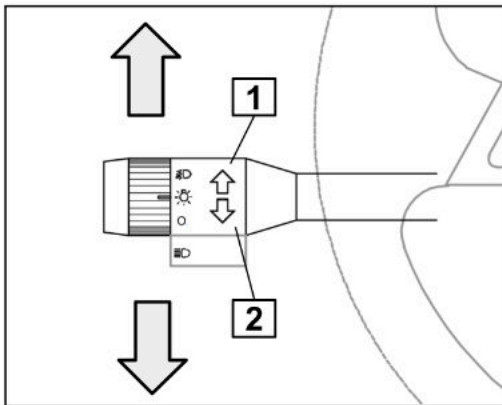


Press the Adjust button (I.) to enter next operation setting or long press Adjust button (I.) to save the setting and go back to the initial screen.

STEERING COLUMN SWITCH

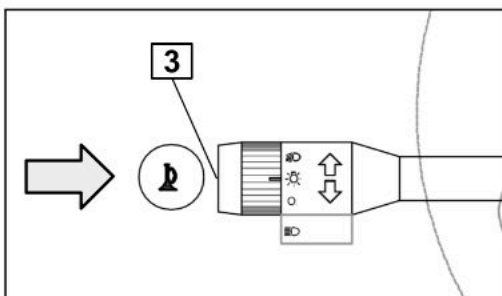
NOTICE

The base vehicle's light switch and horn button have been removed.



Push the lever up (1) for the right side indicators, down (2) for the left side indicators.

- 1. Right side indicators
- 2. Left side indicators



Push the tip (3) to sound the horn.

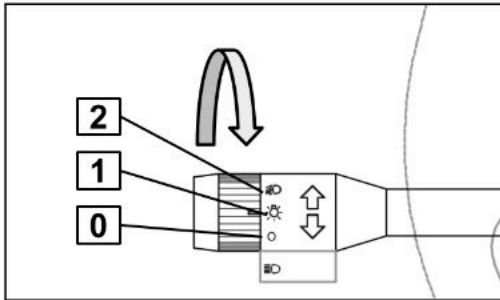
- 3. Horn

CONTROLS

LIGHTS

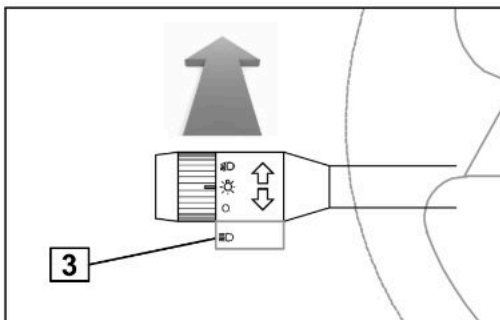
NOTICE

The function of the light switch depends on your model. In the UML version the position lamps and low beam lamps are always on and the light switch cannot be rotated.



Rotate the lever to position (1) to turn on position lamps
Rotate to position (2) to turn on the low beam.

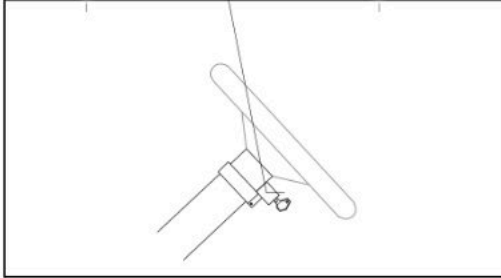
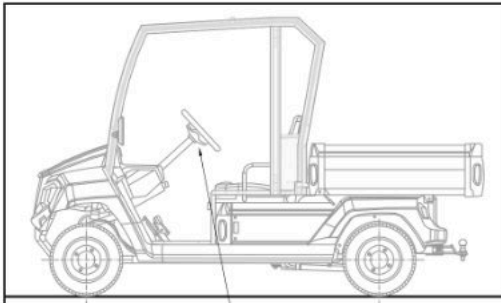
- 0. Off
- 1. Position lamps
- 2. Low beam



Push the lever forward (3) to turn on the high beam.

- 3. High beam.

CONTROLS



STEERING LOCK (IF EQUIPPED)

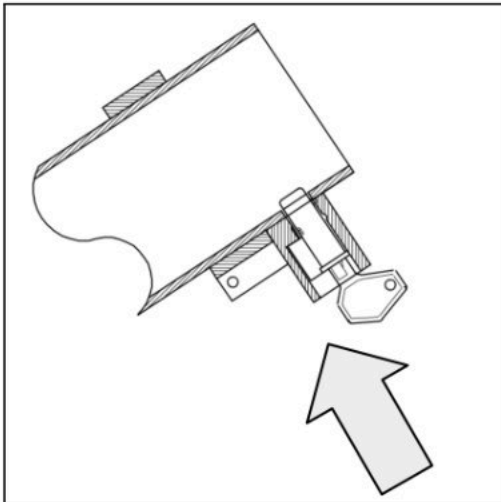
To lock: With the key inside, push the lock into the steering column (a). Remove the key in this position. To unlock: Insert the key and rotate clockwise (b). The lock will pop out.

TIP

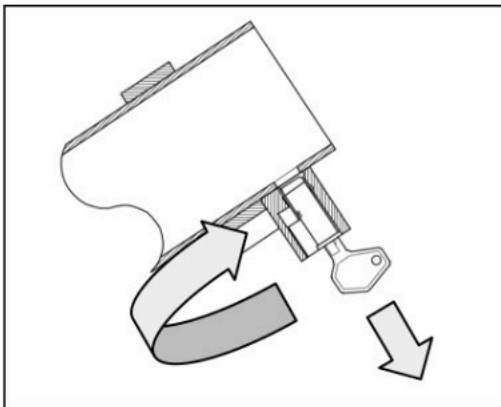
The steering column has 4 locking positions. Carefully rotate the steering wheel while pushing the lock to engage it. While unlocking carefully wiggle the steering wheel if the lock does not disengage by itself.

WARN

Always ensure that the steering lock is disengaged before driving off.

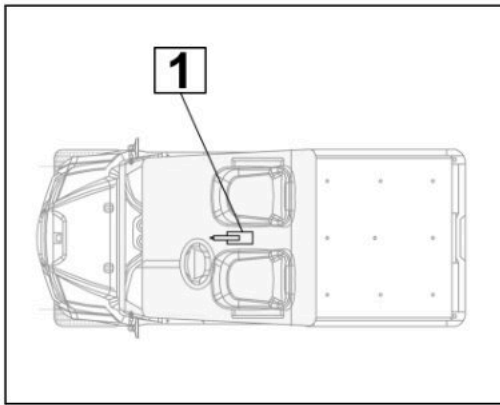


a.



b.

CONTROLS



1. Hand brake lever.

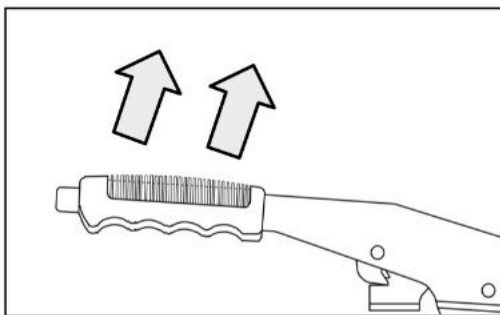
PARKING BRAKE HAND LEVER

NOTICE

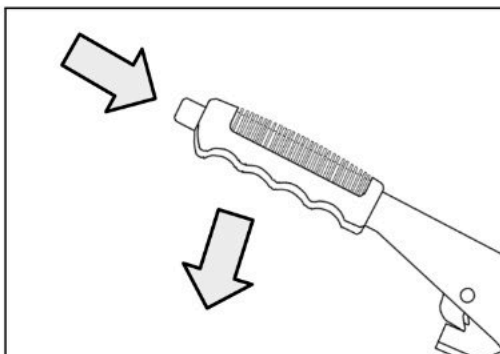
Release the Parking brake before pressing the accelerator pedal. If the accelerator pedal is pressed with the Parking brake engaged the Malfunction Indicator Light (MIL) will light-up. To reset the MIL the vehicle must be set to "TOW" and back to "RUN", following the Yamaha UMX operators manual.

NOTICE

The base vehicle's parking brake pedal remains functional.



Pull up on the parking brake lever (1) up to engage the Parking brake.

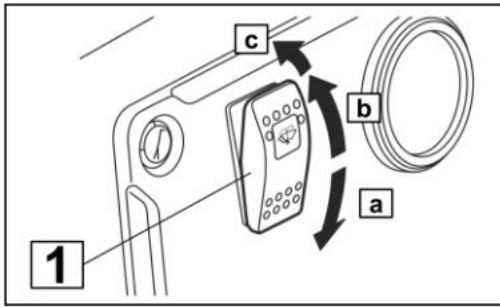


Push the release button and lower the lever to disengage the Parking brake.

WARN

In contradiction to the foot operated Parking brake pedal, the Hand operated Parking brake will NOT automatically release when the accelerator pedal is depressed. An alarm will sound when the accelerator pedal is pressed while the Parking brake is on.

CONTROLS



1. Windscreen wiper/washer button.

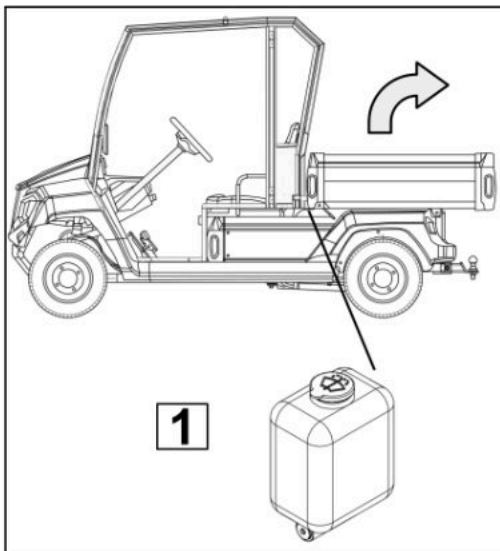
- a. OFF position
- b. ON Wiper
- c. ON Washer

WINDSCREEN WIPER (IF EQUIPPED)

Push side of the switch on (b) position to turn on the windscreen wiper. Push back to (a) position to turn the wiper off.

WINDSCREEN WASHER (IF EQUIPPED)

Push the side of the switch from (b) position to (c) to turn on the windscreen washer. Release the switch to stop the washer.

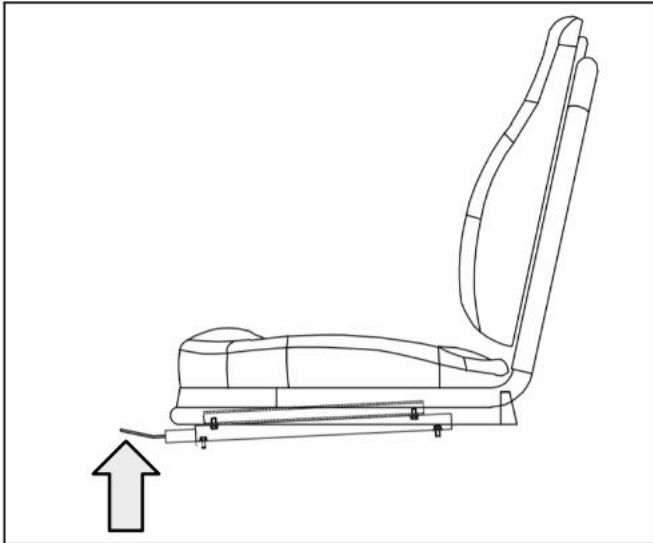


1. Windscreen reservoir

TIP

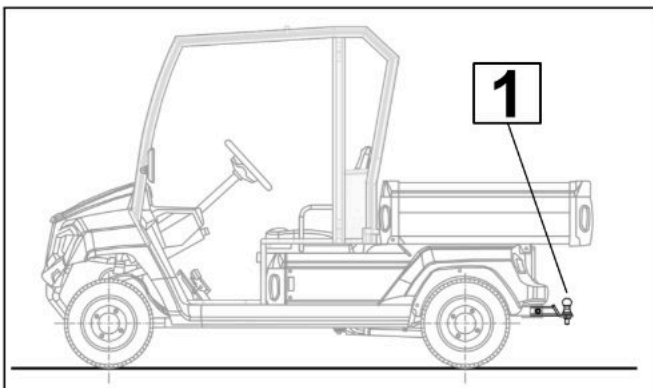
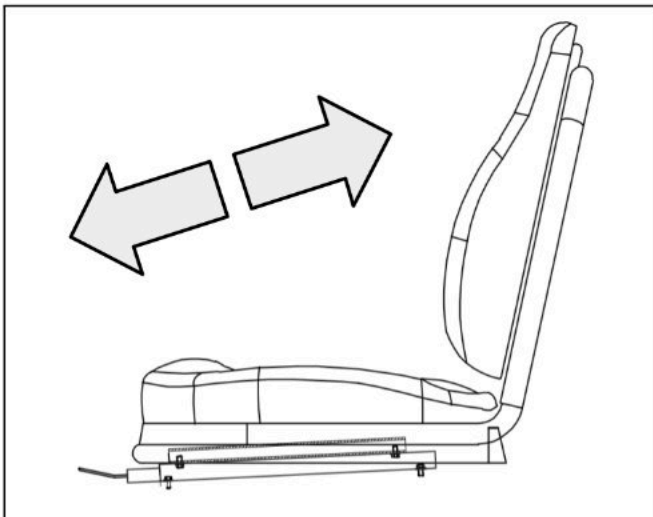
The reservoir (1) is located behind the driver seat under the cargo bed. To fill the washer fluid reservoir, tilt the cargo bed up.

FUNCTIONS



SEAT ADJUSTMENT

To adjust the drivers' seat in longitudinal and vertical direction, lift the lever up and push/pull the seat forward or backward.



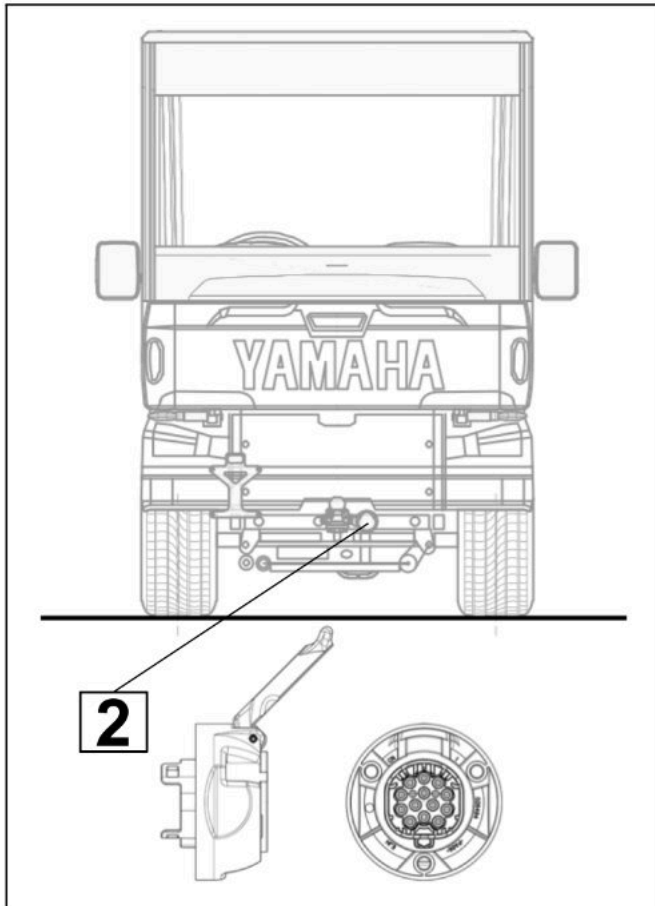
TRAILER HITCH

WARN

When towing a trailer always ensure to correctly load the trailer and fasten the load.

1. Trailer hitch

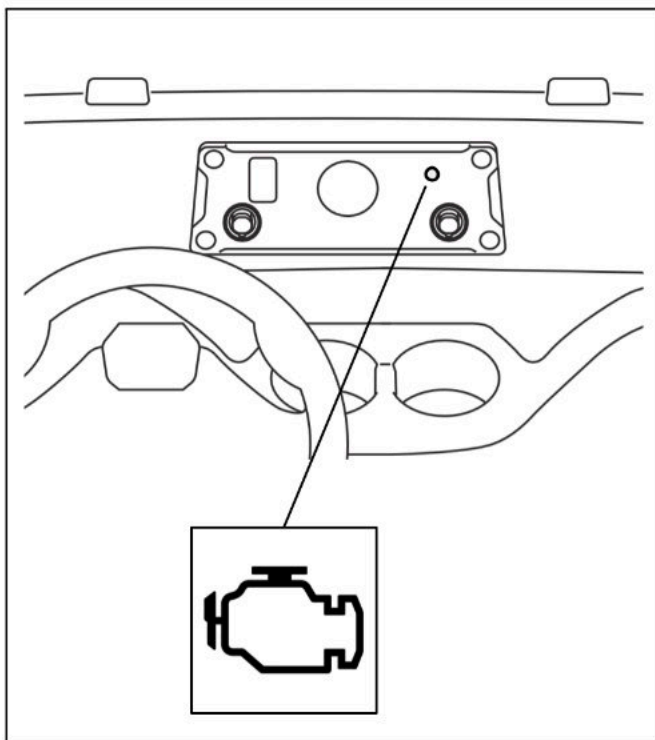
FUNCTIONS



2. Trailer socket

TRAILER SOCKET

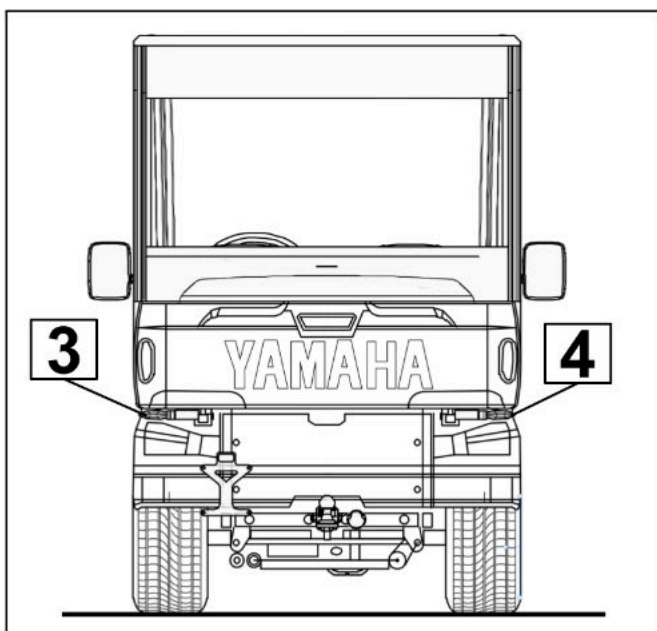
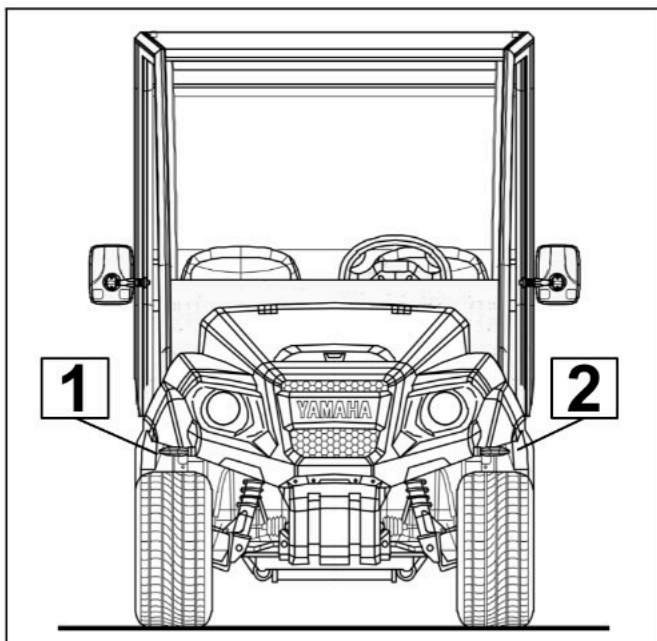
Connector (2) ISO 11446:2012



MALFUNCTION INDICATOR LAMP (IF EQUIPPED)

The UML version is equipped with a MIL light. The light will illuminate following a malfunction reading of the base vehicle diagnostic system. Please refer to the Yamaha UMX service manual for more information..

FUNCTIONS

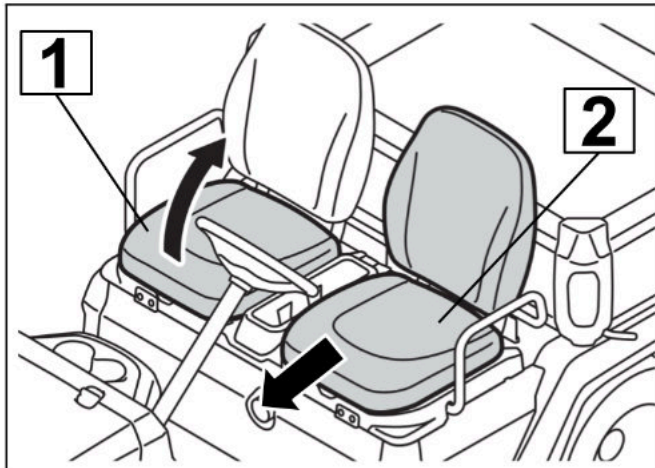


1,2. Front lights
3,4. Rear lights

LIGHTS

Front Position lights (1),(2).
Rear Position lights (3),(4).
Front Flasher lights (1),(2).
Rear Flasher lights (3),(4).
Brake lights (3),(4).

MAINTENANCE



- 1. Seat cushions passenger side
- 2. Driver side seat

ACCESS TO THE BATTERIES, MAXIMUM VOLTAGE FUSE, AND ELECTRONICS.

NOTICE

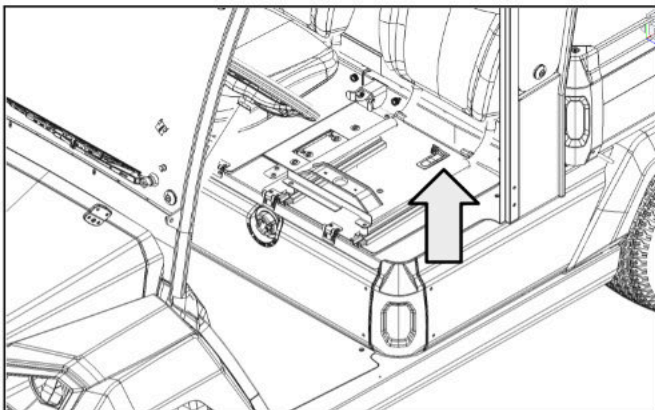
This procedure replaces the procedure described under the "SEAT" chapter in the base vehicle's manual.

⚠ WARN

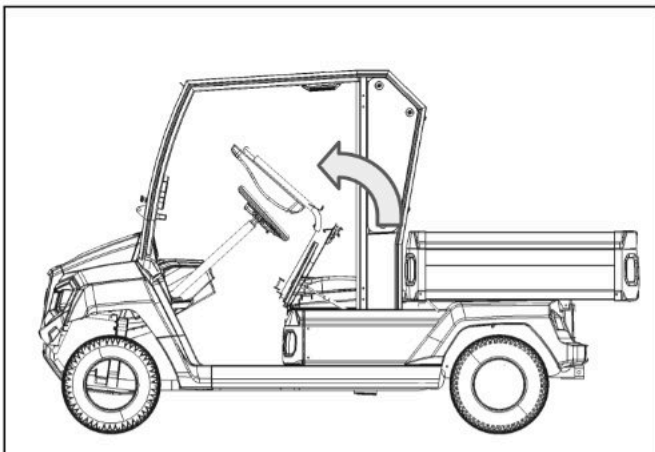
Ensure that the vehicle is on a flat surface and the seats are properly flipped up to reduce the risk of injury by the seats falling back.

Passenger side: unlock and remove seat cushion (1) to reach the seat base lock underneath it.

Driver side: Move the seat to forward position (2) to reach the seat base lock behind it.



Pull the lever to unlock the seat base



Lift the seat until it stops to access batteries, maximum voltage fuse and electronics.

NOTICE

Driver's side seat is gas spring assisted to allow it to stay in lifted position.

The passenger side seat should be lifted completely up until it touches the dashboard.

BATTERY CHARGING

To charge the batteries in your utility vehicle, follow the instructions contained in your battery charger's owner's manual. The following is a summary of the charging steps.

WARN

Death or serious personal injury can result from failing to comply with the instructions and warnings in this manual.

NOTICE

The battery charger is not included inside the vehicle, it is a component that is not part of the vehicle.

WARN

Explosive hydrogen gas is produced while batteries are being charged. Only charge batteries in well-ventilated areas (a minimum of five air changes per hour is recommended). Death or serious personal injury can result from failing to comply with the instructions and warnings in this manual.

NOTICE

Do not attempt to recharge your utility vehicle's batteries without thoroughly reading and understanding the owner's manual provided with your charger.

NOTICE

To recharge the batteries, insert the plug into the connector. The electric current passes through relay which sends a pulse to the TOW switch. In this way, the batteries remain isolated from the vehicle's electrical system until the electrical network is disconnected.

MAINTENANCE

1. Turn the main switch to "OFF".

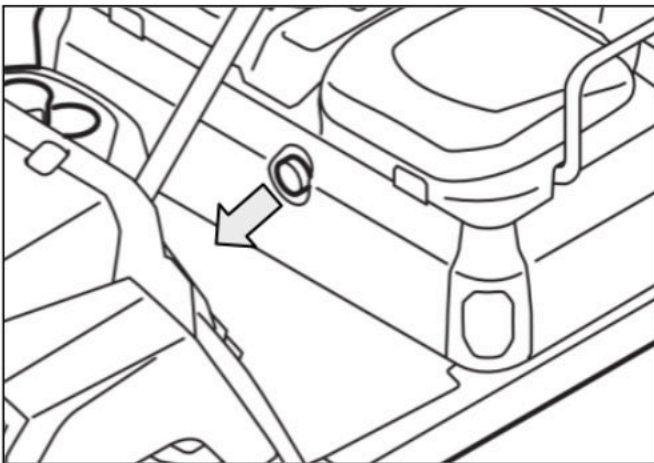
NOTICE

Always put the tow switch in the "TOW" position to activate battery charging.

2. Remove the driver seat cushion, and then move the tow switch to the "TOW" position to exclude the main electrical system.

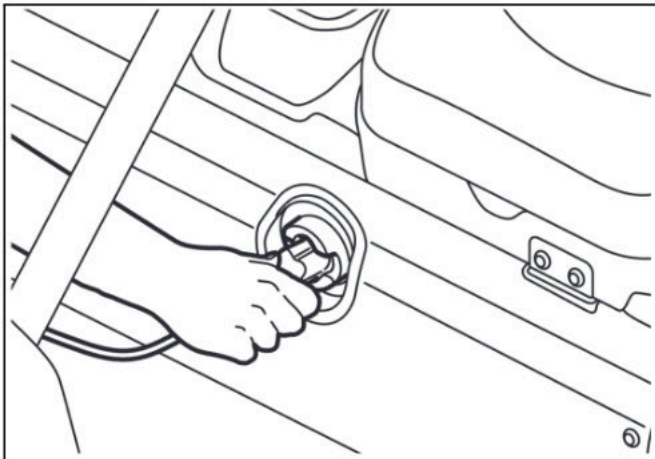
NOTICE

Use only battery chargers that are rated for use with 48-volt utility vehicles. Otherwise, serious battery damage can result. Thoroughly read and understand the user manual supplied with your 48-volt charger.



3. Remove the cap from the DC charger receptacle.

MAINTENANCE

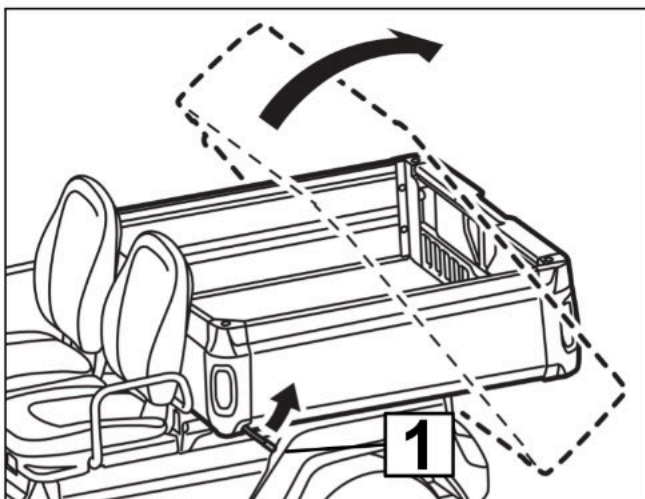


4. With the charger properly connected and grounded (see charger's owner's manual), insert the DC output plug into the DC charger receptacle.

⚠ WARN

Do not disconnect the DC output cord from the DC charger receptacle when the charger is on or an arc could occur that may cause an explosion.

5. The charger will turn off automatically when the batteries reach full charge.
6. After the charger has turned off, disconnect the DC output plug from the DC charger receptacle by grasping the plug body and pulling the plug straight out of the receptacle.

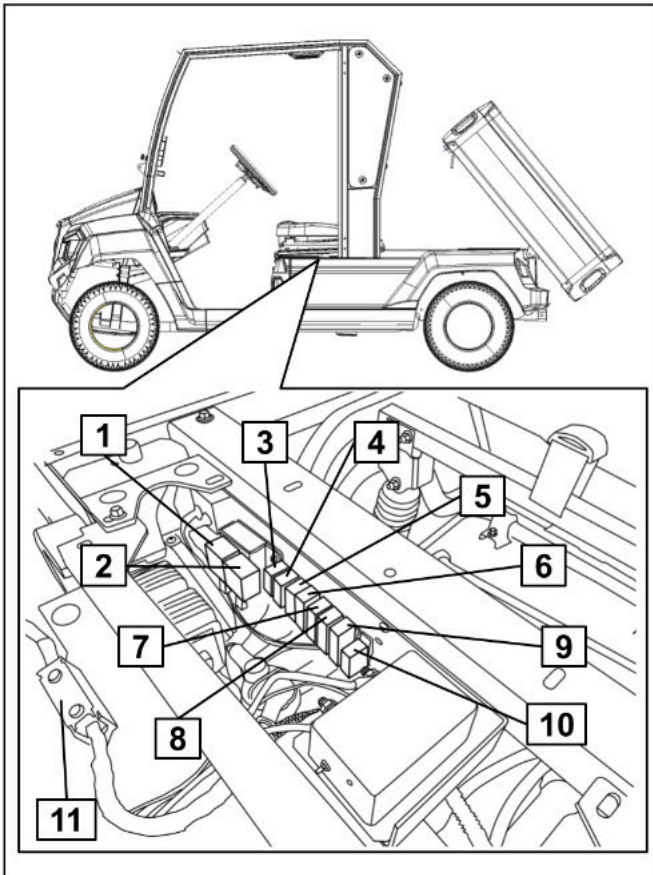


1. Cargo bed release lever.

FUSES AND RELAYS

Use (1) to pull up the cargo bed release lever, and slowly lift up the cargo bed until it stops.

MAINTENANCE



The position of the fuses and relays are behind the cabin under the cargo bed.

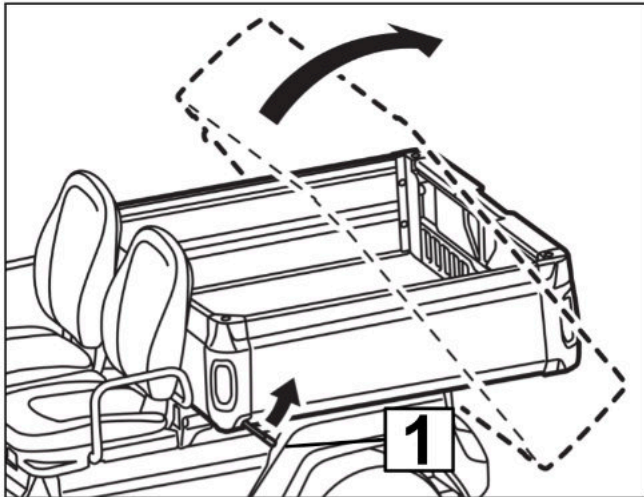
Main voltage fuse (11) is located under the passenger seat.

NOTICE

The base vehicle's fuses remain functional.

1. Warning flasher relay
2. Indicator flasher relay
3. Safety start
4. Ready button
5. Parking brake
6. Seat sensor
7. Switch 12v
8. Switch 48v
9. High beam
10. Fuse
11. Main voltage fuse

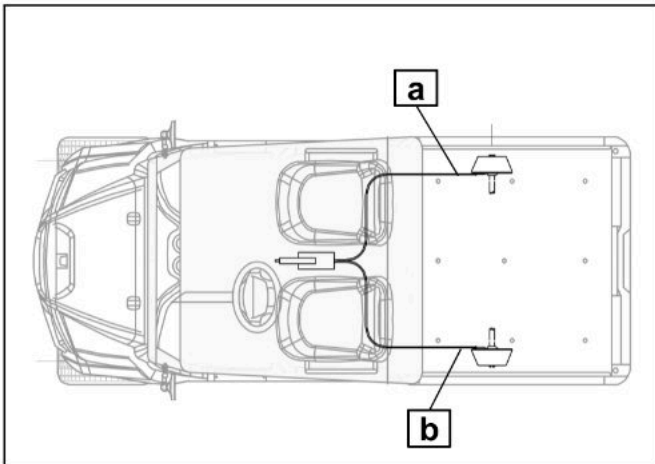
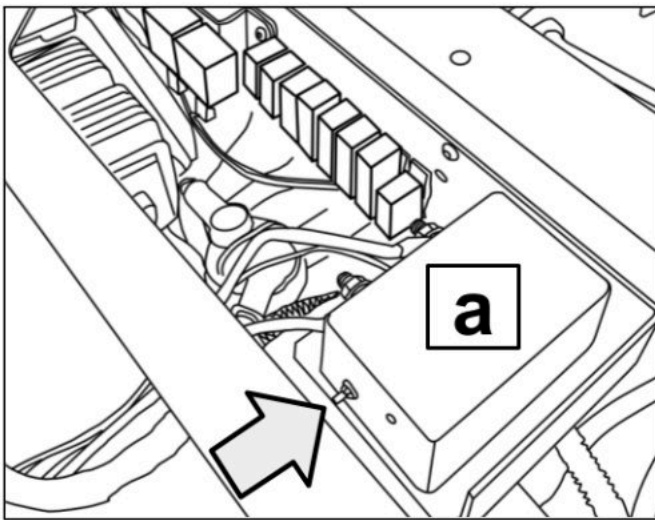
MAINTENANCE



OVERCHARGE DEVICE

The vehicle is equipped with an overcharge kill switch. In case of a charger malfunction, the device will cut the connection to the batteries. To reset the device after activation:

1. Use (1) to pull up the cargo bed release lever, and slowly lift up the cargo bed until it stops.
2. press the reset button on the device (a).



HAND BRAKE ADJUSTMENT

The hand brake adjustment register are located near the rear brakes.

Contact your dealer to let the adjustment carry out.

- a. Right hand brake register position.
b. Left hand brake register position.

GENERAL SPECIFICATIONS

DIMENSIONS

The dimensions, weight, load capacity of the vehicle are different from the base vehicle:

Items	values
Dimensions:	
Overall length	3032mm
Overall width	1253mm
Cargo bed :	
Overall length	806mm
Overall width	1160mm
Cargo bed load	363kg
Weight:	
Curb weight, Flooded Battery	850kg
Gross vehicle weight rating	1300kg

WHEEL SIZE

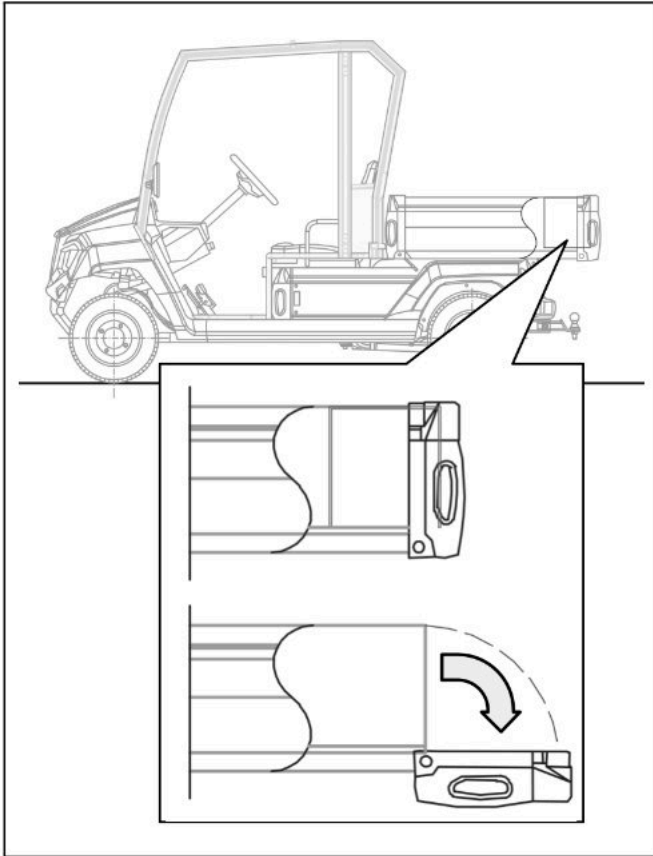
Items	values
Dimensions:	
Tyre size	22x10.00-10

GENERAL SPECIFICATIONS

BATTERIES

Items	DR2 QUIETECH
Battery:	BCI group 24, RC: minimum 75 min CCA: minimum 400A
Battery category: EU Battery Regulation (EU) 2023/1542	SLI
Battery category: EU Battery Regulation (EU) 2023/1542	SLI

DIMENSIONS



CARGO BED SPACER (IF EQUIPPED)

The cargo bed of the UMT version is equipped with a separator. This separator is required by regulation to decrease the cargo bed length and ensure the cargo bed center in front of the rear axle. The separator is designed to allow normal operation of the tail gate and tipping function.

