

READ THIS MANUAL CAREFULLY!
It contains important safety information.

RUE725-UTV MANUAL

HENAN LVCCI ELECTRIC VEHICLE MANUFACTURING CO.,LTD

www.ekingwoo.com

Introduction

Thank you for purchasing the Kingwoo electric-UTV, and welcome to our worldwide family of Kingwoo owners. We proudly produce an exciting line of utility and recreational products.

This manual has been prepared to help you understand the features and operation of your vehicle so that you may enjoy many miles of driving pleasure. **Please read this manual carefully before operating this vehicle.**

Remember that your Kingwoo dealer knows your vehicle best. When you require any service or have any questions, he will be glad to assist you with the extensive resources available to him.

IMPORTANT MANUAL INFORMATION •

The following signal words and symbols appear throughout this manual and on your RANGER. Your safety is involved when these words and symbols are used. Become familiar with their meanings before reading the manual.



The **safety alert symbol**, on your vehicle or in this manual, alerts you to the potential for personal injury.



WARNING

The safety alert warning indicates a potential hazard that may result in serious injury or death.

CAUTION:

A CAUTION indicates special precautions that must be taken to avoid damage to the vehicle.

NOTE:

A NOTE provides key information to make procedures easier or clearer.

Product and specifications are subject to change without notice.

Important Notice

- This vehicle is designed and manufactured for off-road use only. Familiarize yourself with all laws and regulations concerning the operation of this vehicle in your area.
- Check the laws and regulations in force before choosing where to operate this vehicle. Driving a vehicle on a public road where it is prohibited is illegal.
- This vehicle has obtained European L7e certification and complies with the non road noise levels and legal regulations of all EU countries.



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Safety Information

This off-highway utility vehicle handles differently from other vehicles including cars and ATVs.

SEVERE INJURY OR DEATH might happen if you do not follow these instructions:

- Read this manual and all labels carefully and follow the operating procedures described.
- This vehicle is designed to carry the driver and one passenger. Never carry passengers in the cargo bed.
- Always be sure the driver and passenger are wearing seat belts.
- Never give a ride to a passenger who is too small to reach and hold the handgrip on the enclosure.
- Always avoid operating the vehicle on any paved surfaces, including sidewalks, driveways, parking lots, and streets.
- Never operate this vehicle on any public street, road, or highway, even a dirt or gravel one.
- Never operate this vehicle without wearing an approved motorcycle helmet that fits properly. You should also wear eye protection (goggles or a face shield), gloves, over-the-ankle boots, long-sleeved shirt or jacket, and long pants.
- Never consume alcohol or drugs before or while operating this vehicle.
- Never operate at speeds too fast for your skills or the conditions. Always go at a speed that is proper for the terrain, visibility, operating conditions, and your experience.
- Never attempt jumps or other stunts.
- Always inspect your vehicle each time you use it to be sure it is in safe operating condition. Always

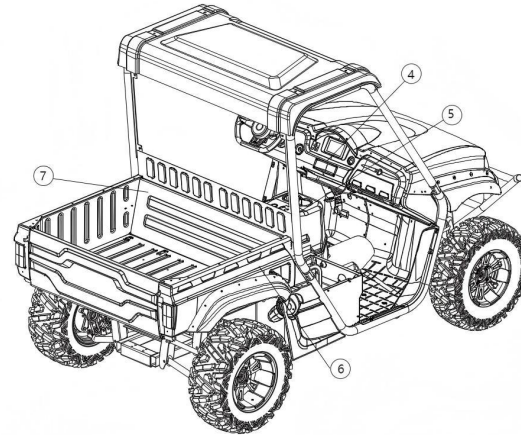
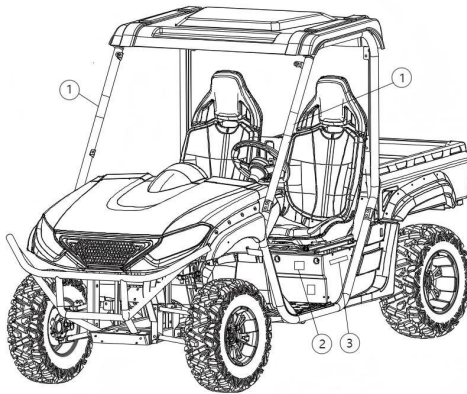
follow the inspection and maintenance procedures and schedules described in this manual.

- **Always keep hands, arms, feet, and legs inside the vehicle at all times during operation. Keep your feet on the floorboard. Never hold onto the enclosure except when using the handgrip inside the enclosure. Otherwise, your hand could be injured if it is caught between the enclosure and an obstacle outside the vehicle.**
- **Always keep both hands on the steering wheel when driving.**
- **Never wrap your thumbs and fingers around the steering wheel. This is particularly important when driving in rough terrain. The front wheels will move right and left as they respond to the terrain, and this movement will be felt in the steering wheel. A sudden jolt could wrench the steering wheel around, and your thumbs or fingers could be injured if they are in the way of the steering wheel spokes.**
- **Always go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when driving the vehicle.**
- **Never operate on excessively rough, slippery, or loose terrain until you have learned and practiced the skills necessary to control the vehicle on such terrain. Always be especially cautious on these kinds of terrain.**
- **Never turn at excessive speed. Practice turning at slow speeds before attempting to turn at faster speeds. Do not attempt turns on steep inclines.**
- **Never operate the vehicle on hills that are too steep for it or for your abilities. Go straight up and down hills where possible. Maximum slope angle: 15° .**
- **Never operate on hills that are slippery or ones where you will not be able to see far enough ahead of**

you. Never go over the top of a hill at speed if you cannot see what is on the other side.

- Always follow proper procedures for going uphill. If you lose momentum and cannot continue up a hill, back down the hill with the engine in reverse gear. Use engine braking to help you go slowly. If necessary, use the brakes gradually to help you go slowly.
- Always check terrain carefully before going down hills. Go as slowly as possible. Never go down a hill at high speed.
- Always check for obstacles before operating in a new area.
- Never operate the vehicle in fast flowing water or water deeper than the floorboards on this model. Remember that wet brakes may have reduced stopping ability. Test your brakes after leaving water. If necessary, apply them several times to let friction dry out the linings.
- Always be sure there are no obstacles or people behind you when you operate in reverse. When it is safe to proceed in reverse, go slowly. Do not brake abruptly when carrying loads in the cargo bed.
- Always use the size and type of tires specified in this manual.
- Always maintain proper tire pressure as described in this manual.
- Never exceed the stated load capacity. Cargo should be as far forward in the bed as possible, and distributed evenly from side to side. Be sure cargo is secured so that it cannot move around during operation. Reduce speed and follow instructions in this manual for carrying cargo or pulling a trailer. Allow greater distance for braking.

Location of The Warning and Specification Labels



Read and understand all of the labels on your vehicle. They contain important information for safe and proper operation of your vehicle.

Never remove any labels from your vehicle. If a label becomes difficult to read or comes off, a replacement label is available from our company or dealer.

①

WARNING

The enclosure cannot protect occupants in all foreseeable accidents, including rollover.

②





WARNING

IMPROPER TIRE PRESSURE OR OVERLOADING
CAN CAUSE LOSS OF CONTROL.
LOSS OF CONTROL CAN RESULT IN SEVERE
INJURY OR DEATH.

OPERATING TIRE PRESSURE: Set with tires cold.
RECOMMENDED: FRONT: 70kPa, {.70kgf/cm}, 10psi
REAR: 98kPa, {.98kgf/cm}, 14psi
MINIMUM: FRONT: 63kPa, {.63kgf/cm}, 9psi
REAR: 91kPa, {.91kgf/cm}, 13psi

Never set tire pressure below minimum. Tire may
dislodge from rim.
Gross Vehicle Weight Rating: 845 kg (1861lb)
maximum including weight of operator,
passenger, accessories, cargo, and (if applicable)
railer tongue weight.

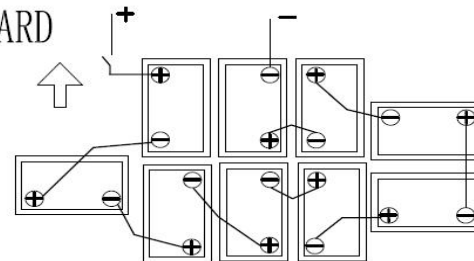
③

⚠ WARNING/AVERTIS	
 <p>EXPLOSIVE GASES are released when batteries are charged or discharged. Keep well ventilated. Keep sparks, flames and cigarettes away. Shield eyes when working near batteries.</p>	 <p>SULFURIC ACID in batteries will irritate skin and clothing. Do not tip battery. Keep vent caps closed. In event of injury, wash with water and call physician immediately.</p>

⑤

BATTERY INSTALLATION AND WIRE LEAD CONNECTION



FORWARD




④

 <p>WARNING</p>	 <p>ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR</p> 
<p>Improper use can result in Severe INJURY or DEATH.</p> <p>This off-highway utility vehicle will handle and maneuver different from an ordinary passenger car or other vehicle.</p> <ul style="list-style-type: none"> ● Vehicle capacity: 1 operator and 1 passenger. Passenger must be able to reach and hold the handgrip inside enclosure. ● This vehicle is recommended only for operators 16 and older with a valid motor vehicle license. Adults must supervise use by minors. Check state laws for minimum age requirements. ● Gross Vehicle Weight Rating: 1861 lb (845 kg) maximum including operator, passenger, accessories, cargo and trailer tongue weight. ● Passenger and cargo can affect vehicle handling. 	
<p>LOCATE AND READ THE OWNER'S MANUAL.</p> <p>FOLLOW ALL INSTRUCTIONS AND WARNINGS.</p>	

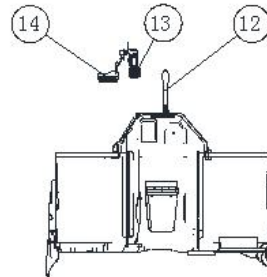
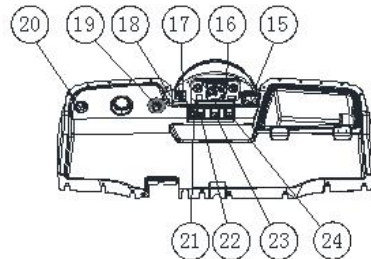
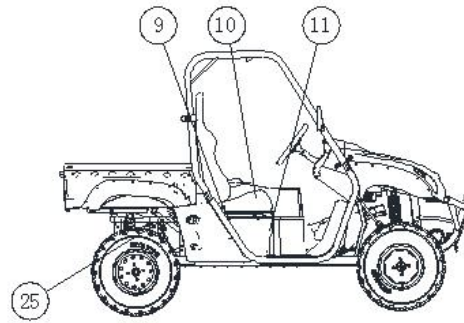
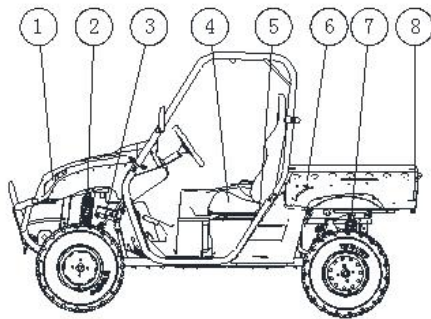
⑥

	 WARNING
<ul style="list-style-type: none"> ● Keep hands, body, other persons away when closing bed. ● Do not operate the vehicle with bed up. 	

⑦

 WARNING
<p>Severe INJURY or DEATH can result if you ignore the following:</p>
<ul style="list-style-type: none"> • Maximum Load in Cargo Bed: 140kg. (308lb). • Never carry passengers in cargo bed. • Cargo can affect handling and stability. Read Owner's Manual before loading or towing. • When loading with cargo or towing a trailer: Reduce speed and allow more room to stop. Avoid hills and rough terrain. • Be sure cargo is secured-a loose load could change handling unexpectedly. • Keep weight in the cargo bed centered, and as low and far forward as possible. Top-heavy loads increase the risk of overturn.

Description and Vehicle Identification



- | | | |
|---|-------------------------------|-----------------------------|
| 1. Headlights | 10. Passenger seat | 18. Battery indicator |
| 2. Front shock absorber assembly adjusting ring | 11. Batteries | 19. Power switch |
| 3. Brake fluid reservoir | 12. Hand brake | 20. Spot light Switch |
| 4. Driver seat | 13. Accelerator pedal | 21. Direction light Switch |
| 5. Driver seat belt | 14. Brake pedal | 22. high beam switch |
| 6. Cargo bed | 15. Auxiliary DC jack | 23. Trumpet switch |
| 7. Rear shock absorber assembly adjusting ring | 16. Multi-function meter unit | 24. Aux switch |
| 8. Tail/brake lights | 17. Forward/Reverse switch | 25. cargo bed release lever |
| 9. Passenger seat belt | | |

Vehicle Identification Numbers

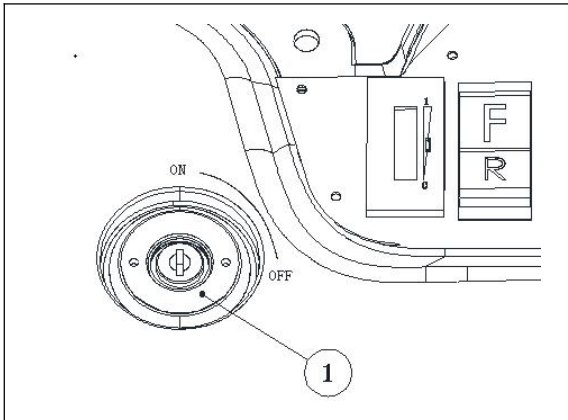
Record your vehicle's identification numbers and model label information in the spaces provided. Remove the spare key and store it in a safe place. Provided for assistance when ordering spare parts from our company or dealer or for reference in case the vehicle is stolen.

Vehicle Model Number:

Frame VIN:

Control Functions

Main switch



1. Main switch

Functions of the respective switch positions are as follows:

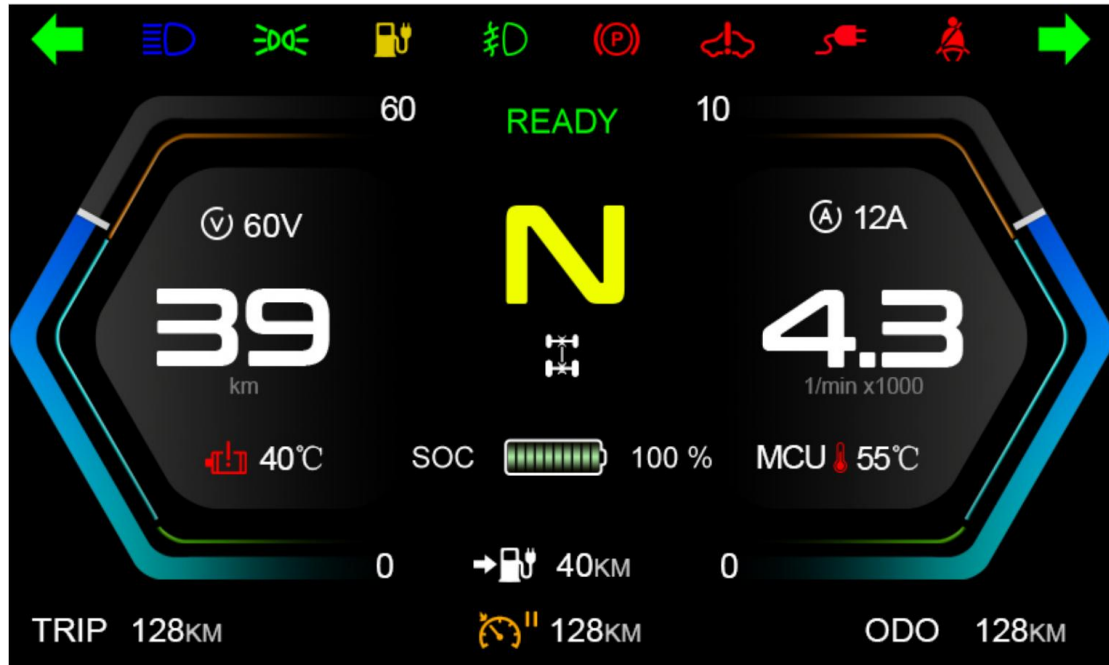
ON:



















All electrical circuits are supplied with power, and the headlights and taillights come on when the light switch is on.










OFF:

All electrical circuits are switched off. The key can be removed in this position.

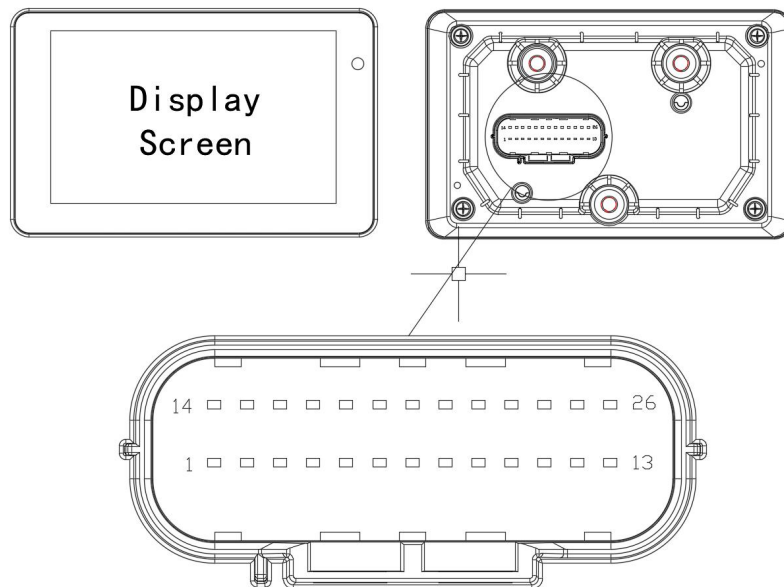
Indicator lights and Multi-function meter unit



NO	function	icon	signal	NO	function	icon	signal
1	left turn signal		12V+	10	right turn signal		
2	high beam			11	Ready		
3	Daytime Running Light			12	forward		
4	Low battery warning			13	Reverse		
5	fog light			14	Neutral		
6	Parking brake			15	speed		
7	vehicle malfunction			16	Motor speed		
8	charging indicator light			17	voltage		
9	Seat belt light			18	current		

NO	function	icon	signal	NO	function	icon	signal
19	Lithium battery capacity		CAN	28	reversing camera	/	Cvbs camera
20	Lead acid battery capacity		B+/B-	29	System upgrade	/	USB
21	4WD		12v+	30			
22	2WD		12v+	31			
23	Motor Temp alarm			32			
24	MCU Temp alarm			33			
25	Trip meter			34			
26	total mileage			35			
27	Range of endurance			36			

Definition of LCD instrument wiring

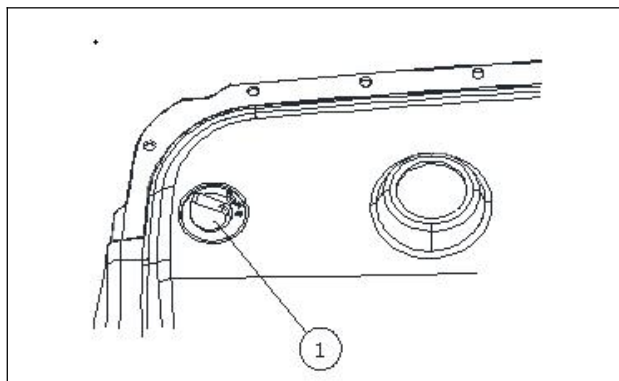


Back of the instrument panel socket model:MX23A26NF1

Wire harness plug model: MX23A26SF1

stitch	function	signal	stitch	function	signal
1	USB 5V	/	14	Right turn signal	12V+lights up
2	USB_DM	/	15	Lead acid power battery B+	50V~90V
3	USB_DP	/	16	GND	12V—
4	USB_GND	/	17	4WD	12V+lights up
5	Rearview camera	video input	18	4WD	12V+lights up
6	Rearview camera	Power supply	19	Instrument power supply	12V+
7	Rearview camera	GND	20	Lead acid power battery B-	B-
8	left turn signal	12V+lights up	21	/	/
9	high beam	12V+lights up	22	/	/
10	Daytime Running Light	12V+lights up	23	Parking brake	12V+lights up
11	fog light	12V+lights up	24	/	/
12	charging indicator light	12V+lights up	25	CAN_H	/
13	Seat belt light	12V+lights up	26	CAN_L	/

Switches

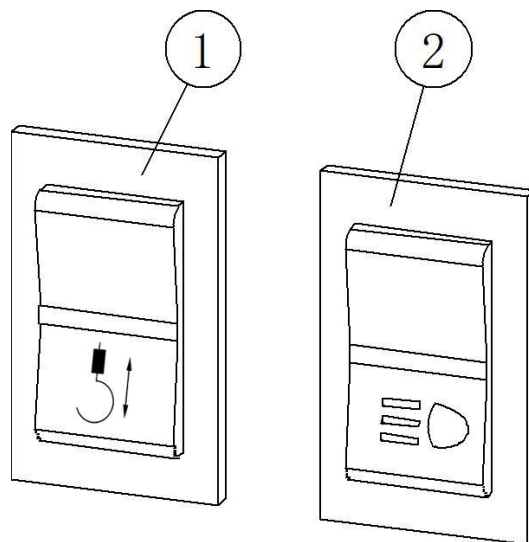


1. Light switch "OFF/☐/☐"

Light switch "OFF/☐/☐"

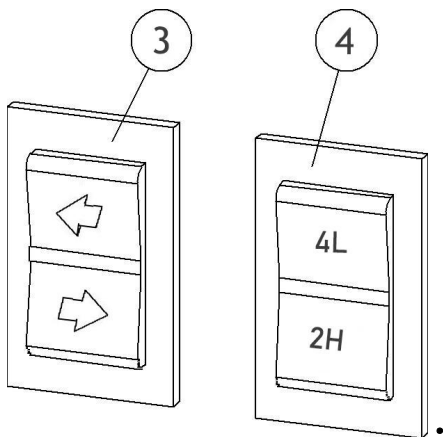
Set the switch to "☐" to turn on the low beam and the taillights.

Set the switch to "☐" to turn on the high beam and the taillights.



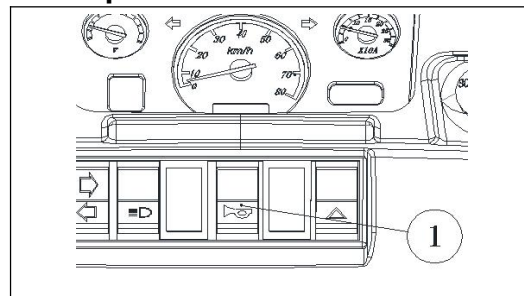
1 Winch switch

2 Spot light switch



- 3** Left and right turn signal switch、
- 4** 4-wheel drive low-speed switch
2-wheel drive high-speed switch

Trumpet switch



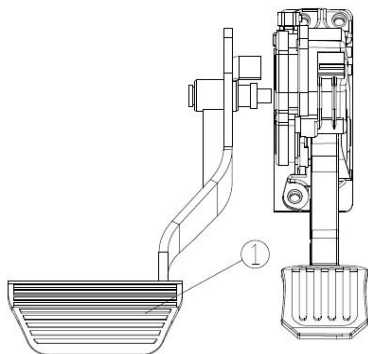
1. Trumpet switch

the Trumpet comes on when press down the switch.

Brake pedal

1. Brake pedal

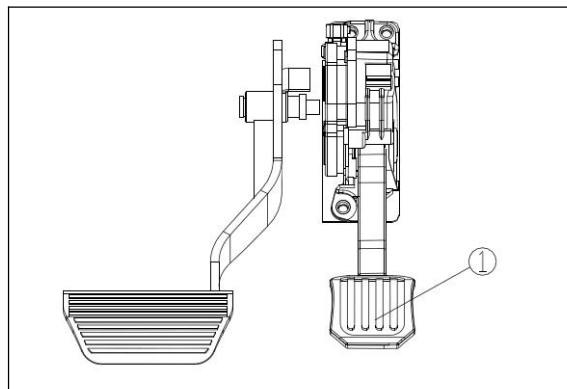
Press the brake pedal to slow or stop the vehicle.



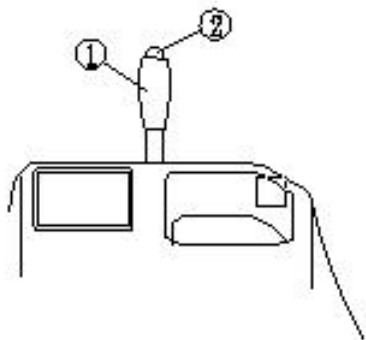
Accelerator pedal

1. Accelerator pedal

Press the accelerator pedal down to increase vehicle speed. Spring pressure returns the pedal to the rest position when released. Always check that the accelerator pedal returns normally before starting the vehicle.



Parking brake lever



1、Parking brake lever

2、Hand brake button

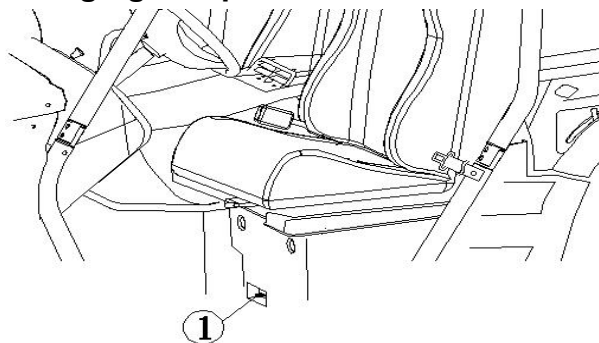
The parking brake lever is located at the right side of the driver's seat. It will help hold the vehicle from moving while parked. To set the parking brake, pull the lever up completely.

To release the parking brake, pull up on the lever, press the release button, and then push the lever all the way

down. Spring pressure helps return the lever to the released position.

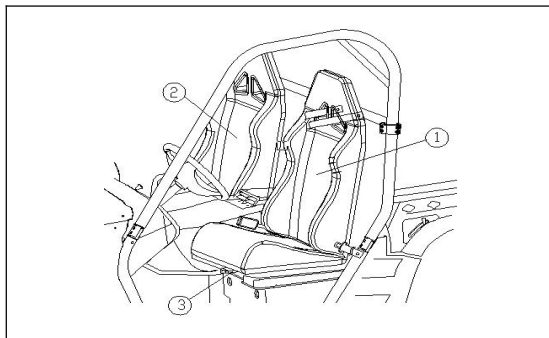
Be sure to fully release the parking brake before starting out. Failure to do so may result in poor performance and premature wearing of the rear brake.

Charging receptacle



1. Charging receptacle

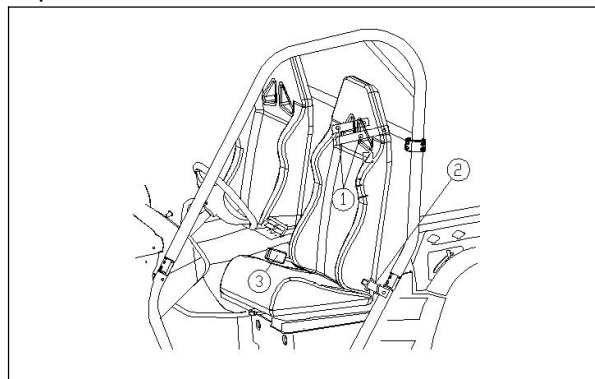
WARNING



Read and understand the owner's manual provided with your vehicle's battery charger before charging batteries.

Seats

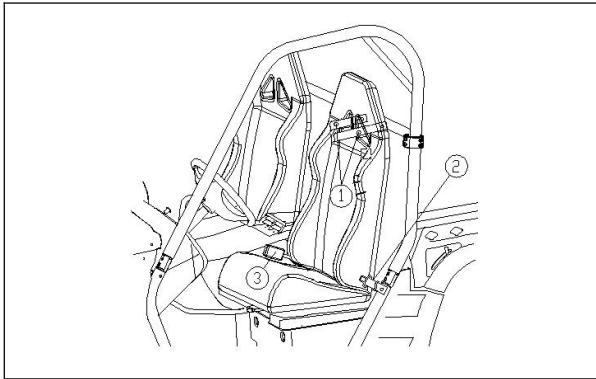
To remove a seat, pull its seat lock lever upward, lift the front of the seat, and then slide the seat forward and up.



- 1、Driver seat
- 2、Passenger seat
- 3、Seat lock lever (×2)

Seat belts

This vehicle is equipped with three-point seat belts for both the operator and passenger. Always wear the seat belt while riding in the vehicle.



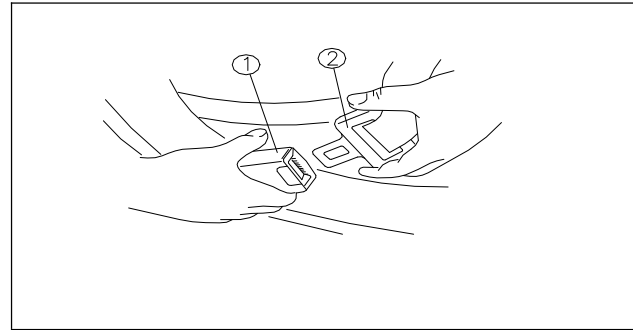
1. Seat belt (2)
2. Latch plate (2)
3. Buckle (2)

To wear the seat belt properly, do the following:

1. Hold the latch plate as you pull the belt across your lap and chest. Make sure the belt is not twisted and

is not caught on any portion of the vehicle, your clothing, or any equipment you are carrying.

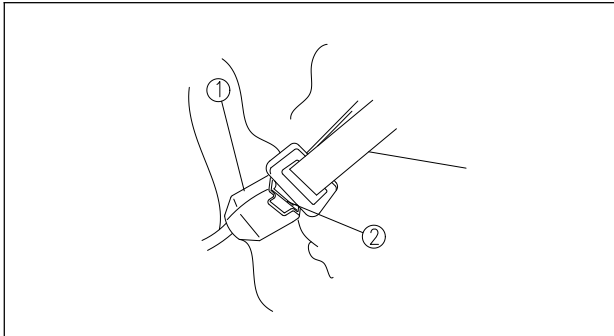
2. Push the latch plate into the buckle until it clicks. Pull up on the latch plate to make sure it is secure.



1. Buckle
2. Latch plate
3. Put the lap portion of the belt low on your hips. Push down on the buckle end of the belt as you pull up on the shoulder part so the belt is snug across your hips.
4. Position the shoulder belt over your shoulder and

across your chest. The shoulder belt should fit against your chest. If it is loose, pull the belt out all the way and then let it retract.

5. To release the buckle, firmly press the release button.



1. Buckle
2. Release button



WARNING

POTENTIAL HAZARD

Not wearing the seat belt.

Wearing the seat belt improperly.

WHAT CAN HAPPEN

There is increased risk of being killed or seriously injured in an accident.

HOW TO AVOID THE HAZARD

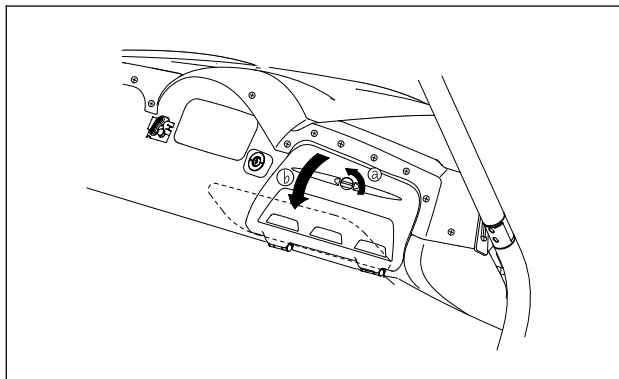
Always wear your seat belt when riding in the vehicle.

Be sure the seat belt is close-fitting across your hips and chest and is latched securely.

Glove compartment

CAUTION:

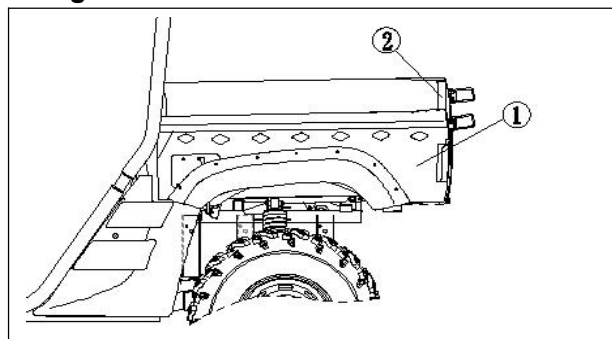
To protect from damage, do not put metal products, like tools or sharply edged products directly in the glove compartment. If they must be stored, wrap them in appropriate cushion material.



a. Unlock.

b. Open.

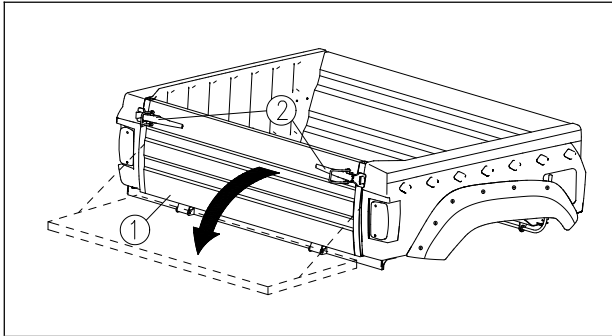
Cargo bed



1. Cargo bed

2. Tailgate

Opening and closing the tailgate



1. Tailgate

2. Latch (×2)

To open

Unhook the latches, and then lower the tailgate.

To close

Place the tailgate in the original position, and then hook the latches.

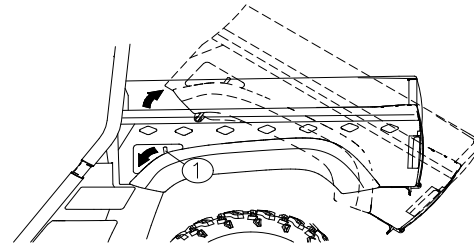
Lifting and lowering the cargo bed

To lift

Push the cargo bed release lever down, and then slowly lift up the cargo bed until it stops.

To lower

Lower the cargo bed slowly to its original position and be sure it is locked into place.



1. Cargo bed release lever

Maximum load limit: 140kg (308lb)

! WARNING

POTENTIAL HAZARD

Pinch points.

WHAT CAN HAPPEN

You or someone else could be pinched between the cargo bed and the frame when the bed is being lowered.

HOW TO AVOID THE HAZARD

Before closing the bed, be sure others are standing away from the vehicle.

Keep hands and fingers away from the pinch points between the bed and the frame.



WARNING

POTENTIAL HAZARD

Overloading the cargo bed

WHAT CAN HAPPEN

Could cause changes in vehicle handling which could lead to an accident.

HOW TO AVOID THE HAZARD

Never exceed the stated maximum load limit for this cargo bed.

Cargo should be properly distributed and securely attached.

Reduce speed when carrying cargo. Allow greater distance for braking.



WARNING

POTENTIAL HAZARD

Carrying a passenger in the cargo bed

WHAT CAN HAPPEN

The passenger could fall, be thrown out, or be struck by objects in the cargo bed.

HOW TO AVOID THE HAZARD

Never carry a passenger in the cargo bed. This cargo bed is designed to carry cargo only.

Front and rear shock absorber adjustment

The spring preload can be adjusted to suit the operating conditions.

You can reduce preload for a softer ride, or increase preload if frequent bottoming occurs.

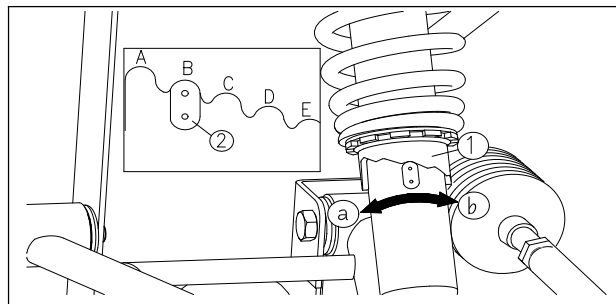
CAUTION:

Frequent or severe bottoming can cause increased wear or damage to the vehicle.

Adjust the spring preload as follows.

To increase the spring preload, turn the adjusting ring in direction (a).

To decrease the spring preload, turn the adjusting ring in direction (b).



1. Spring preload adjusting ring
2. Position indicator

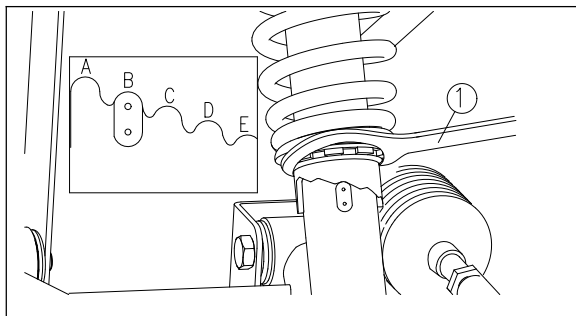
NOTE:

A special wrench can be obtained at our company or dealer to make this adjustment.

Standard position: B

A- Minimum (soft)

E- Maximum (hard)



1. Special wrench



WARNING

POTENTIAL HAZARD

Improper shock absorber adjustment.

WHAT CAN HAPPEN

Uneven adjustment can cause poor handling and loss of stability, which could lead to an accident.

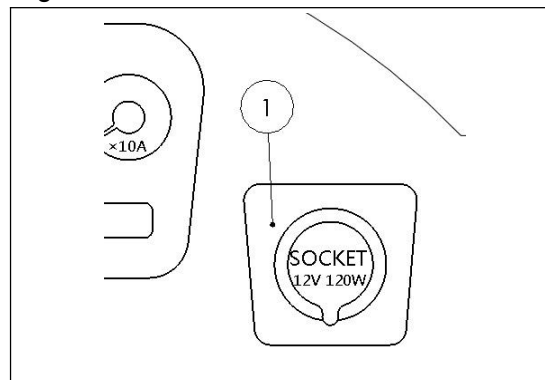
HOW TO AVOID THE HAZARD

Always adjust the shock absorbers on the left and right side to the same setting.

Auxiliary DC jack

The auxiliary DC jack is located at the right side of the front panel.

The auxiliary DC jack can be used for suitable work lights, radios, etc.



1. Auxiliary DC jack cap

Open the auxiliary DC jack cap, and then insert the accessory power plug into the jack.

Maximum rated capacity for the auxiliary DC jack:

DC 12 V, 120 W (10 A)

When the auxiliary DC jack is not being used, cover it with the cap.

CAUTION:

- Do not use accessories requiring more than the above maximum capacity. This may overload the circuit and cause the fuse to blow.
 - If accessories are used without the engine running or with the headlights turned on, the battery will lose its charge and engine starting may become difficult.
 - Do not use an automotive cigarette lighter or other accessories with a plug that gets hot because the jack can be damaged.
-

Pre-operation Checks

Pre-operation checks should be made each time you use your vehicle. Get in the habit of performing the following checks in the same way so that they become second nature.

WARNING

Be sure the main switch key is removed before performing the pre-operation checks to prevent accidental starting, and apply the parking brake to keep the vehicle from moving.

PRE-OPERATION CHECKLIST

Before each use check the following:

- ★ Batteries
- ★ Tire condition
- ★ Steering system
- ★ Back-up buzzer

- ★ Pedal operation
- ★ Body and chassis

WARNING

POTENTIAL HAZARD

Failure to inspect the vehicle before operating.
Failure to properly maintain the vehicle.

WHAT CAN HAPPEN

Increases the possibility of an accident or equipment damage.

HOW TO AVOID THE HAZARD

Always inspect your vehicle each time you use it to make sure the vehicle is in safe operating condition. Always follow the inspection and maintenance procedures and schedules described in the Owner's Manual.

SEAT

Open the seat for checking and servicing.

BATTERY

Charge batteries before each use. See charging steps in chapter 8, Maintenance.

Check that the batteries are held securely in place to prevent the batteries from being damaged from vibration or jarring.

Also check that no battery caps are missing to prevent battery acid from spilling from the battery. Check the battery terminals for corrosion. (Note: Only applicable to lead-acid power batteries)

TIRE CONDITION



WARNING

POTENTIAL HAZARD

Operating this vehicle with improper tires, or with

improper or uneven tire pressure.

WHAT CAN HAPPEN

Use of improper tires on this vehicle, or operation of this vehicle with improper or uneven tire pressure, may cause loss of control, increasing your risk of accident.

HOW TO AVOID THE HAZARD

1. The tires models are listed below. Pls confirm the tires dimension when doing replacement.

	Size	Type
Front	25 ×8-12NHS	RAWHIDE RS
Rear	25 ×10-12NHS	RAWHIDE RS

2. The tires should be set to the recommended pressure:

- Recommended tire pressure
Front 70kPa (0.70 kgf/cm², 10psi)
Rear 98kPa (0.98 kgf/cm², 14psi)

Check and adjust tire pressures when the tires are cold.

Tire pressures must be equal on both sides.

3. Tire pressure below the minimum specified could cause the tire to dislodge from the rim under severe riding conditions. The following are minimums:

Front 63kPa (0.63 kgf/cm², 9psi)

Rear 91kPa (0.91 kgf/cm², 13psi)

4. Use no more than the following pressures when seating the tire beads.

Front 250kPa (2.5 kgf/cm², 36psi)

Rear 250kPa (2.5 kgf/cm², 36psi)

Higher pressures may cause the tire to burst. Inflate the tires very slowly and carefully. Fast inflation could cause the tire to burst.

How to measure tire pressure

Use the tire pressure gauge.

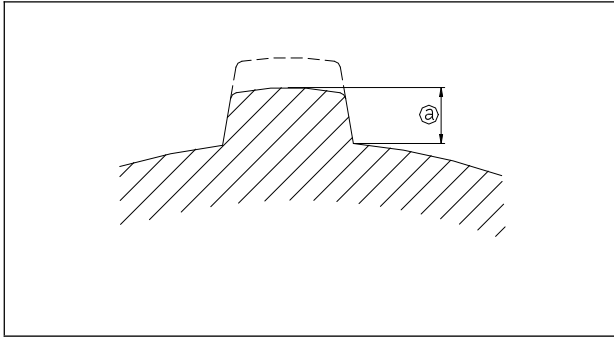
NOTE:

The tire pressure gauge is included as standard equipment. Make two measurements of the tire pressure and use the second reading. Dust or dirt in the gauge could cause the first reading to be incorrect.

Set pressure with tires cold.

Set tire pressures to the following specifications:

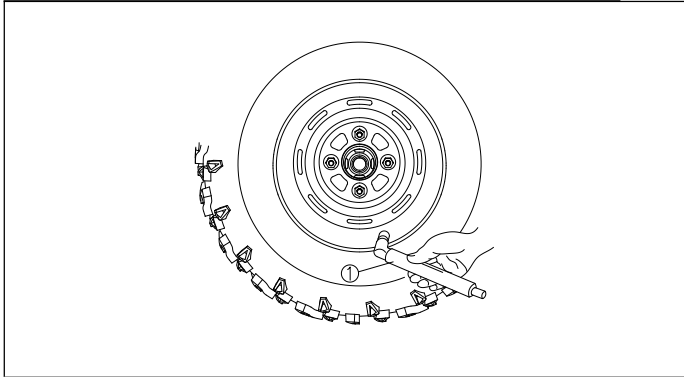
	Recommended pressure	Minimum	Maximum
Front	70kPa(0.70 kgf/cm ² , 10psi)	63kPa(0.63 kgf/cm ² , 9psi)	77kPa(0.77 kgf/cm ² , 11psi)
Rear	98kPa(0.98 kgf/cm ² , 14psi)	91kPa(0.91 kgf/cm ² , 13psi)	105kPa(1.05 kgf/cm ² , 15psi)



Tire wear limit

When the tire groove decreases to 3 mm (0.12 in) due to wear, replace the tire.

a. Tire wear limit



1. Tire pressure gauge

Steering system

Park on level ground. Turn the steering wheel right and left. Check for excessive free play, abnormal noises, or a rough feeling. Have a Kingwoo dealer repair as necessary for proper.

Back-up buzzer

Check the back up buzzer by moving the drive select switch to “REV” for reverse. The buzzer should sound.

Front and rear brakes

Brake pedal

Check for correct brake pedal free play. If the brake pedal free play is incorrect, have Kingwoo dealer adjust

it.

Check the operation of the brake pedal. It should move smoothly and there should be a firm feeling when the brakes are applied. If not, have the vehicle inspected by Kingwoo dealer.

Brake fluid level

Check the brake fluid level.

Add fluid if necessary.

Recommended brake fluid: DOT 4

Brake fluid leakage

Check to see if any brake fluid is leaking out of the pipe joints or the brake fluid reservoir. Apply the brakes firmly for one minute. If there is any leakage, have the vehicle inspected by a Kingwoo dealer.

Brake operation

Test the brakes at slow speed after starting out to make

sure they are working properly. If the brakes do not provide proper braking performance, inspect the brake system.



WARNING

POTENTIAL HAZARD

Driving with improperly operating brakes.

WHAT CAN HAPPEN

You could lose braking ability, which could lead to an accident.

HOW TO AVOID THE HAZARD

Always check the brakes at the start of every ride. Do not operate the vehicle if you find any problem with the brakes. If a problem cannot be corrected by the adjustment procedures provided in this manual, have the vehicle inspected by our company or dealer.

Accelerator pedal

Check to see that the accelerator pedal operates correctly. It must operate smoothly and fully spring back to the idle position when released. Have a Kingwoo dealer repair as necessary for proper operation.



WARNING

Before checking operation of the accelerator pedal, be sure the main switch is in the "OFF" position.

Seat belts

Make sure that both seat belts are not frayed or damaged.

The seat belt must move smoothly when pulled out and retract on its own when released. The latch plate should click securely into the buckle and release when the release button is pushed firmly. Wash off any dirt or

mud which could affect operation. Have a Kingwoo dealer repair as necessary for proper operation.

Fittings and fasteners

Always check the tightness of chassis fittings and fasteners before a ride. Take the vehicle to our company or dealer or refer to the Service Manual for correct tightening torque.

Lights

Check the headlights and tail/brake lights to make sure they are in working condition. Repair as necessary for proper operation.

Switches

Check the operation of all switches. Have our company or dealer repair as necessary for proper operation.

Body and chassis

Before each use, visually inspect the vehicle body and chassis for damage and/or missing parts.

Operation



WARNING

POTENTIAL HAZARD

Operating vehicle without being familiar with all controls.

WHAT CAN HAPPEN

Loss of control, which could cause an accident or injury.

HOW TO AVOID THE HAZARD

Read the Owner's Manual carefully. If there is a control or function you do not understand, ask our company or dealer.

Starting

1. With the parking brake applied, turn the drive select switch to “FWD” for forward, or “REV” for reverse.

CAUTION:



WARNING

Do not depress the accelerator pedal when turning on the main switch or the vehicle may suddenly start moving.

3. Check that your path is clear in the direction you plan to go, and slowly depress the accelerator pedal. The vehicle will start to move.

NOTE:

The parking brake automatically releases when the accelerator pedal is depressed. (Only applicable to electronic parking system)

STOPPING

To stop the UTV, gradually press down on the brake pedal. When the UTV has come to a stop, apply the parking brake lever and turn the main switch to "OFF."

CAUTION:

Do not hold the UTV on an incline with the accelerator – use the brake.

Parking

When parking, apply the parking brake to help prevent the vehicle from rolling.

Parking on a slope



WARNING

POTENTIAL HAZARD

Parking on a hill or other incline.

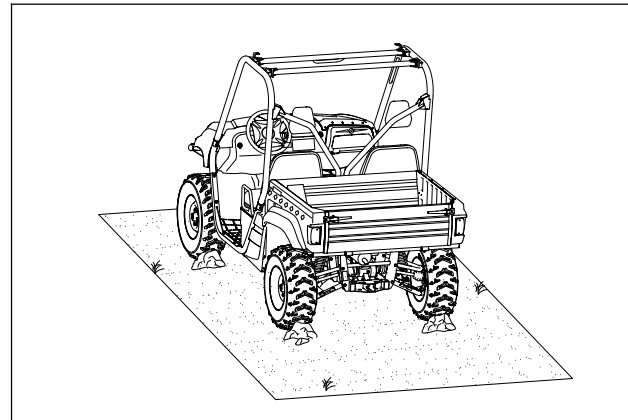
WHAT CAN HAPPEN

The vehicle could roll out of control, increasing the

chance of an accident.

HOW TO AVOID THE HAZARD

Avoid parking on hills or other inclines. If you must park on an incline, apply the parking brake, and block the front and rear wheels with rocks or other objects. Do not park the vehicle at all on hills that are so steep you could not walk up them easily.



1. With the brakes applied, set the parking brake.

NOTE:

Like many other vehicles, the parking brake acts on the rear wheels. For the parking brake to have the effect of braking all four wheels.

Accessories and loading

配件和装载

Accessories

配件

Accessories can affect the handling and control of your vehicle. Keep the following in mind when considering an accessory or operating a vehicle which has accessories.

- Choose only accessories designed for your vehicle. Our company or dealer has a variety of genuine accessories. Other accessories may also be available on the market. However, it is not possible for us to test all accessories, nor have any control over the quality or suitability of them. Choose a genuine accessory, or one that is equivalent in design and quality.
- Accessories should be rigidly and securely mounted. An accessory which can shift position or come off while you are operating could affect your

ability to control the vehicle.

- Do not mount an accessory where it could interfere with your ability to control the vehicle. Examples include (but are not limited to) an object that limits your ability to turn the steering wheel or one that limits your view.
- Use extra caution when driving a vehicle with accessories. The vehicle may handle differently than it does without accessories.

Loading

装载

Cargo or a trailer can change the stability and handling of a vehicle.

You must use common sense and good judgment when carrying cargo or towing a trailer.

Keep the following points in mind:

- Never exceed the weight limits shown. An overloaded vehicle can be unstable.

MAXIMUM LOADING LIMIT

- Vehicle loading limit (total weight of cargo, operator, passenger and accessories, and tongue weight):
290 kg (639 lb)
 - Cargo bed: 140 kg (308 lb)
- Load cargo in the cargo bed as close to the center of the vehicle as possible and tie it down using the cargo hooks equipped on the cargo bed.
 - Make sure the load does not interfere with controls or your ability to see where you are going.
 - Drive more slowly than you would without a load. The more weight you carry, the slower you should go. Although conditions vary, it is good practice not to exceed low range whenever you are carrying heavier loads.
 - Allow more braking distance. A heavier vehicle takes longer to stop.
 - Avoid making sharp turns unless at very slow speeds.

- Avoid hills and rough terrain. Choose terrain carefully. Added weight affects the stability and handling of the vehicle.



WARNING

POTENTIAL HAZARD

Overloading this vehicle or carrying improperly.

WHAT CAN HAPPEN

Could cause changes in vehicle handling which could lead to an accident.

HOW TO AVOID THE HAZARD

Never exceed the stated load capacity for this vehicle.

Cargo should be properly distributed and securely attached.

Reduce speed when carrying cargo. Allow greater distance for braking.

Operate the winch

Kingwoo Electric UTV standard comes with NVK2000 electric winch configuration. Proper operation and use of winches can protect the safety of vehicles and operators. Please strictly follow the instructions for operating the winch.

GENERAL DESCRIPTION

This winch is equipped with a permanent magnet motor and is designed for intermittent duty general use.

The winch is used neither in industrial nor for lifting, never can it use for moving people. Improper operating could damage your winch and void your warranty. Free spool clutch is operated by a pull and turn, which can disengage the gearbox, and wire rope will be pulled out by hand with Hand saver bar.

SAFETY PRECAUTIONS

1. Never lift people or hoist loads over people. Do not lift items vertically. The winch was designed for ground use only.
2. Never overload. Be sure all equipment used meets the winch's maximum line pull rating. We recommend using the pulley block optional supplied to double line the wire rope. (See Fig. 1) Double line with a pulley block to reduce the load on the winch, wire rope and battery. When double-lining, Pulley blocks should be rated to a minimum of two times the winch's line pull rating.

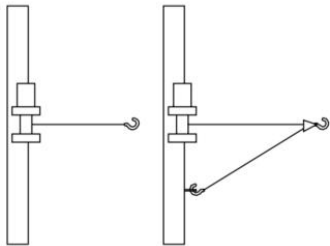


Fig. 1

3. Do not attempt to prolonged pulls at heavy loads. The electric winch is designed for intermittent use only, and should not used in a constant duty application. Never pull for more than one minute or near the rated load. If the winch motor becomes very hot to the touch, stop the winch and let it cool down for several minutes.
4. Never operate winch less than 5 turns of wire rope around the winch drum since the wire rope end may not withstand full load.
5. Avoid continuous pulls from extreme angles because this will cause the wire rope to pile up on one end of the drum (See Fig. 2) and damage the wire rope.

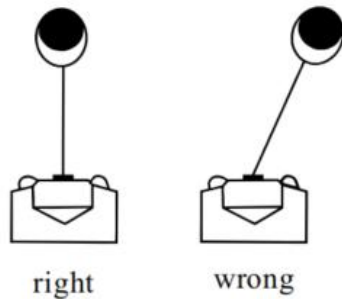


Fig. 2

6. Aware the winch's line pull capacity is the max line pull of the first layer. That is only can reach by first layer. Never operate winch pulling a load reach or even over the capacity.
7. Never hook the wire rope back to itself because it could damage the wire rope. Use tree trunk savers (See fig. 3)
8. To be sure the winch mounted hard on the vehicle or bracket before operation.
9. Before moving a load, inspect wire rope. Prevent kinks and uneven wire layer before they occur. Loosen wire rope must be properly tensioned under a load about 100 lb.

10. It is important that lay a blanket or jacket over the wire rope near the hook end when pulling a loads (See fig. 3). This will slow the snap back of a broken wire rope and help to prevent serious injure and damage.

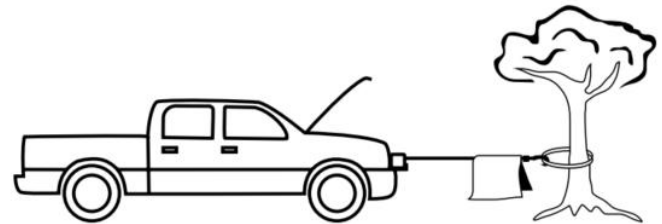


Fig. 3

11. Do not move your vehicle to assist the winch in pulling the load. It will be easy to overload, and cause wire rope damage.
12. Beware of the danger zone. Keep away from the danger zone during the operation. The danger zone is the area of the

winch drum, the fairlead (if fitted), the wire rope, the pulley block (if used), the hook, and motor.

13. Never approach or span the wire rope when the winch is under load.

14. When using your winch to move a load. Place the vehicle transmission in neutral, set vehicle brake, and chock all wheels. The vehicle engine should be running during winch operation so that battery has full electricity. Never use the winch under circumstance of lacking voltage.

15. Never disconnect frees pool clutch when there is a load on the winch.

16. After operation, please release the load immediately. Do not allow the cable tight any more.

17. Always stand clear of wire rope, hook and winch..

OPERATION

1. Pull and turn the clutch knob, so the drum can turn free by hand.

2. Use Hand saver bar to hitch hook of the cable assembly and pull cable to the loads attach to the load.

Warning: Check that there is at least five turns of wire rope remain on the drum before operation.

3. Switch clutch knobs back to the “In” position and drum mesh with gear. At the same time drum can’t be turned by hand. CAUTION: Clutch must be fully engaged before winching. Never operate the clutch while drum is turning. Do not readjust clutch knob as it has been adjusted and permanently locked in place with a threadlocking compound in the factory.

4. Press the “Cable In” button on the handheld and the cable was respooled. Press the “Cable Out” button to reverse directions. Wait until the motor stops before reversing directions.

5. Re-spooling cable after finished operation.

RIGGING

Warning: never handle the wire rope or rigging while anyone else is at the control switch.

Always use the drawstring to pull the hook (See Fig4). Do not hold the hook with your hand. This is important not only when reeling wire rope in but also when removing wire rope from the winch under power.

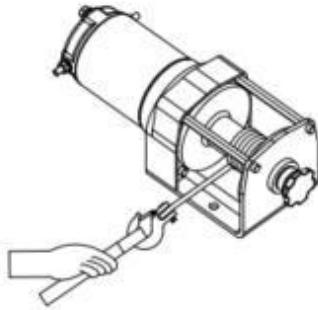


Fig. 4

CAUTION: use a nylon sling when attaching the wire rope to an anchor point. Do not attach the hook back on the wire rope. Doing so can cause the wire rope to break.(See fig.5)

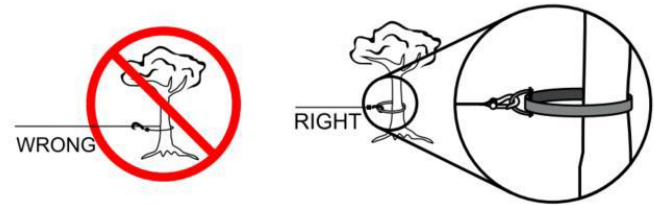


Fig.5

1. The most commonly used rigging. A nylon sling is used to protect the tree when it is used as an anchor, and the wire rope is attached to use the sling (See fig.6).

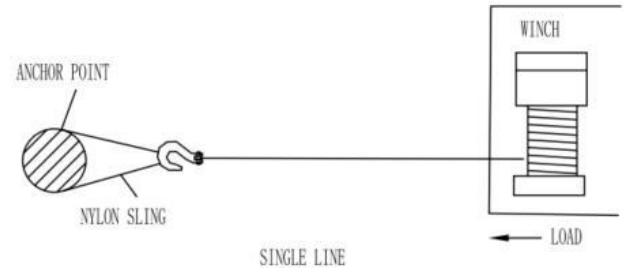


Fig. 6

2. A method of rigging used to obtain a mechanical advantage. The use of a pulley block as a traveling block will almost double the winch pulling capacity. (See fig. 7)

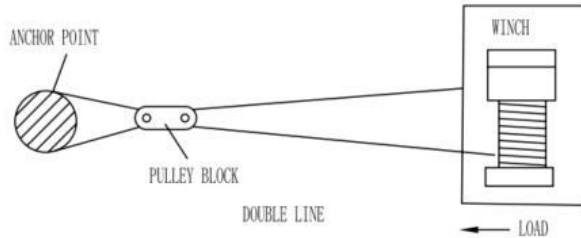


Fig. 7

3. The use of a pulley block to change the direction of the pull. Mechanical advantage can be obtained by attaching a pulley block to the nylon sling. (See fig. 8)

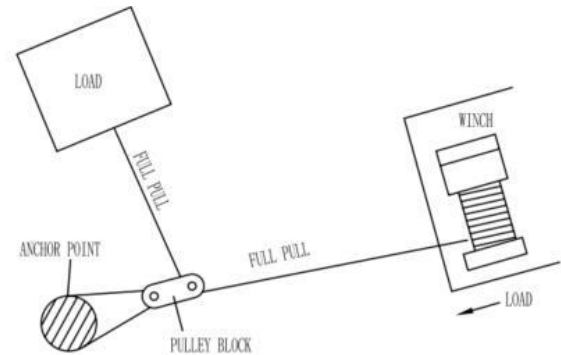


Fig. 8

Driving Your Vehicle

GETTING TO KNOW YOUR VEHICLE

了解您的车辆

This off-highway utility vehicle will handle and maneuver differently from an ordinary passenger car or other vehicle.

Before you begin to use your vehicle, be sure you have read this Owner's Manual completely and understand the operation of the controls. Pay particular attention to the safety information. Please also read all caution and warning labels on your vehicle.

This vehicle is designed for the operator and one passenger. The driver and passenger must always wear a seat belt. Never carry passengers in the cargo bed.

WARNING

POTENTIAL HAZARD

Not wearing the seat belt.

Wearing the seat belt improperly.

WHAT CAN HAPPEN

There is increased risk of being killed or seriously injured in an accident.

HOW TO AVOID THE HAZARD

Always wear your seat belt when riding in the vehicle.

Be sure the seat belt is close-fitting across your hips and chest and is latched securely.

WARNING

POTENTIAL HAZARD

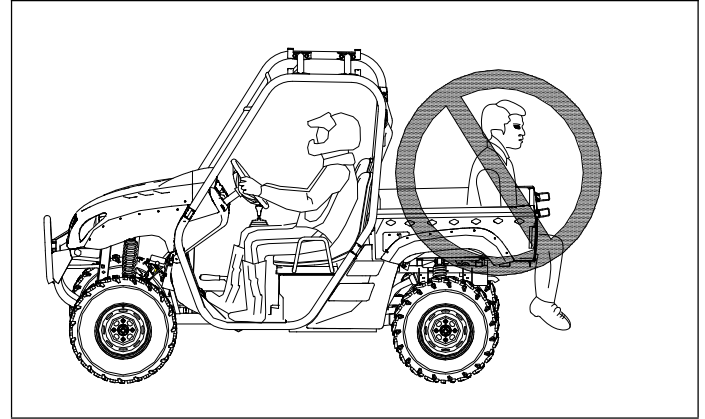
Carrying a passenger in the cargo bed.

WHAT CAN HAPPEN

The passenger could fall or be struck by objects in the cargo bed.

HOW TO AVOID THE HAZARD

Never carry a passenger in the cargo bed. The cargo bed is designed to carry cargo only.



The total weight of operator, passenger, accessories, cargo, and the vehicle itself must not exceed 845kg (1861lb). Carrying a passenger and cargo can affect vehicle handling.

WARNING

POTENTIAL HAZARD

Overloading this vehicle or carrying improperly.

WHAT CAN HAPPEN

Could cause changes in vehicle handling which could lead to an accident.

HOW TO AVOID THE HAZARD

Never exceed the stated load capacity for this vehicle.

Cargo should be properly distributed and securely attached.

Reduce speed when carrying cargo. Allow greater distance for braking.

Always follow the instructions in your Owner's Manual for carrying cargo.

The driver and passenger must always wear a seat belt and an approved motorcycle helmet.

Also wear eye protection and protective clothing, including over-the-ankle boots, gloves, a long-sleeved shirt or jacket, and long pants.

Keep hands and feet inside the vehicle at all times.

WARNING

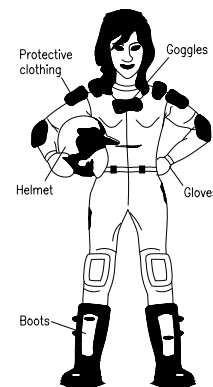
POTENTIAL HAZARD

Operating this vehicle without wearing an approved motorcycle helmet, eye protection, and protective clothing.

WHAT CAN HAPPEN

Operating without an approved motorcycle helmet increases your chances of a severe head injury or death in the event of an accident.

Operating without eye protection can result in an accident and increases your chances of a severe injury in the event of an accident.



HOW TO AVOID THE HAZARD

Always wear an approved motorcycle helmet that fits properly. You should also wear:

eye protection(goggles or face shield) gloves
boots long-sleeved shirt or jacket long pants

LEARNING TO OPERATE YOUR VEHICLE

学习驾驶车辆

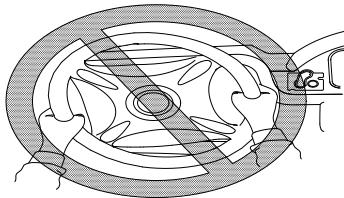
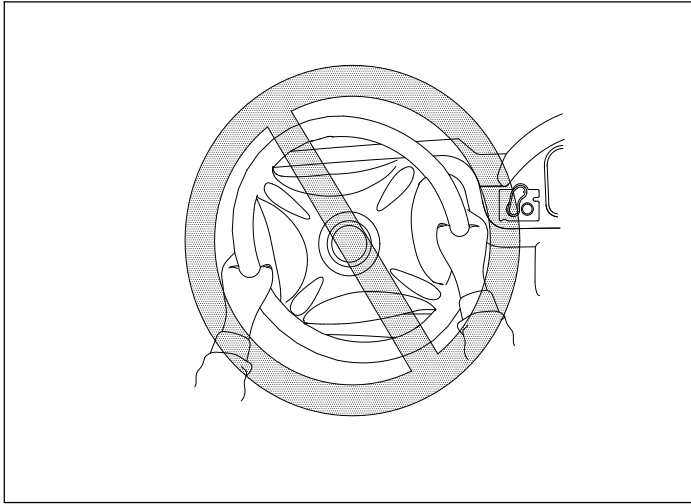
You should become familiar with the performance characteristics of the vehicle in a large, flat area that is free of obstacles and other vehicles. Practice control of the accelerator pedal, brakes, steering. Drive first at slow speed and become comfortable at that speed before gradually increasing your speed. Become familiar with the way the vehicle feels in low and high ranges. Also practice driving in reverse. Take the time to learn basic operation before attempting more difficult maneuvers.

TURNING YOUR VEHICLE

车辆转向

It is possible for the vehicle to roll over or go out of control if you attempt sharp, high-speed turns. You should also be careful making sharp turns on rough terrain. Do not attempt to turn around or make abrupt maneuvers on slopes.

Position your hands on the steering wheel so that your thumbs and fingers do not wrap around the wheel. This is particularly important when driving in rough terrain. The front wheels will move right and left as they respond to the terrain, and this movement will be felt in the steering wheel. A sudden jolt could wrench the steering wheel around, and your thumbs or fingers could be injured if they are in the way of the steering wheel spokes.



BRAKING

制动

Braking ability is affected by the type of terrain. In most cases, gradually application of the brakes is more effective than abrupt braking, particularly on loose surfaces like gravel.

Always allow for greater braking distance on rough, loose, or slippery surfaces.

GOING UPHILL

上坡

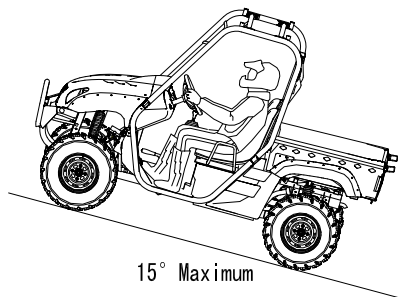
Do not attempt to climb hills until you have mastered basic maneuvers on flat ground.

Use proper driving techniques to avoid overturns on hills and slopes. Drive straight up hills, and avoid crossing the side of a hill, which increases your chance of rollover.

Practice first on gentle slopes before attempting steeper hills. Always check the terrain carefully before attempting any hill. Use common sense and remember

that some hills are too steep for you to climb.

Maximum slope angle: 15°



Choose carefully which hills you attempt to climb. Avoid hills with slippery surfaces or ones where you will not be able to see far enough ahead of you.



WARNING

POTENTIAL HAZARD

Operating on excessively steep hills.

WHAT CAN HAPPEN

The vehicle can overturn more easily on extremely steep hills than on level surfaces or small hills.

HOW TO AVOID THE HAZARD

Never operate your vehicle on hills too steep for it or your abilities. Never operate vehicles on hills steeper than 15° .

Do not drive across the face of a hill. Go straight up the hill.

Practice on smaller hills before attempting large hills.

GOING DOWNHILL

Check the terrain carefully before going down a hill. When possible, choose a path that lets you drive your vehicle straight downhill. Avoid sharp angles that could allow the vehicle to pitch or roll over. Carefully choose your path and drive no faster than you will be able to

react to obstacles that may appear.



WARNING

POTENTIAL HAZARD

Going down a hill improperly.

WHAT CAN HAPPEN

Could cause loss of control or cause the vehicle to overturn.

HOW TO AVOID THE HAZARD

Always check the terrain carefully before you start down any hill. Never go down a hill at high speed.

Avoid going down a hill at an angle that would cause the vehicle to lean sharply to one side.

Go straight down the hill where possible.

RIDING OVER ROUGH TERRAIN

Operating over rough terrain should be done with caution. Look for obstacles that could cause damage to the vehicle or could lead to a rollover or accident. Avoid

jumping the vehicle as injury, loss of control, and damage to the vehicle could occur.



WARNING

POTENTIAL HAZARD

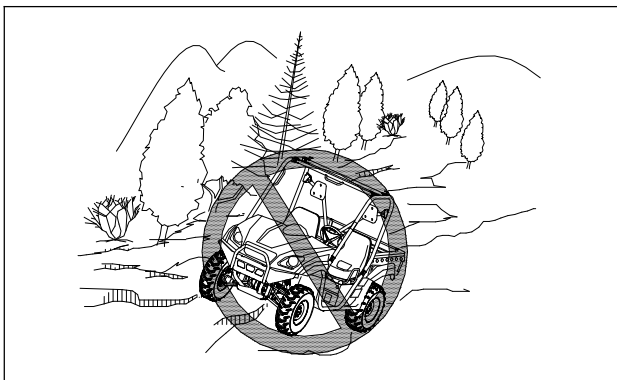
Failure to use extra care when operating this vehicle on unfamiliar terrain.

WHAT CAN HAPPEN

You can come upon hidden rocks, bumps, or holes, without enough time to react. Could result in the vehicle overturning or going out of control.

HOW TO AVOID THE HAZARD

Go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the vehicle.



RIDING IN BRUSH OR WOODED AREAS

在灌木丛或林区骑行

When operating in areas with brush or trees, watch carefully on both sides and above the vehicle for obstacles such as branches that the vehicle might hit, causing an accident, or for brush that might enter the vehicle as you pass and strike the driver or passenger. Never hold onto the enclosure so your hand is outside the vehicle. Hold only onto the handgrip inside the

enclosure.

ENCOUNTERING OBSTACLES ON THE TRAIL

在路上遇到障碍

If you can not go around an obstacle such as a fallen tree trunk or a ditch, stop the vehicle where it is safe to do so. Set the parking brake and get out to inspect the area thoroughly.

Look from both your approach side and the exit side. If you believe you can continue safely, decide the path that will allow you to get over the obstacle at as close to a right angle as possible to minimize vehicle tipping. Go only fast enough to maintain your momentum but still give yourself plenty of time to react to changes in conditions. If there is any question about your ability to maneuver safely over the obstacle, you should turn around, if the ground is flat and you have the room, or back up until you find a less difficult path.



WARNING

POTENTIAL HAZARD

Improperly operating over obstacles

WHAT CAN HAPPEN

Could cause loss of control or a collision. Could

cause the vehicle to overturn.

HOW TO AVOID THE HAZARD

Before operating in a new area, check for obstacles.

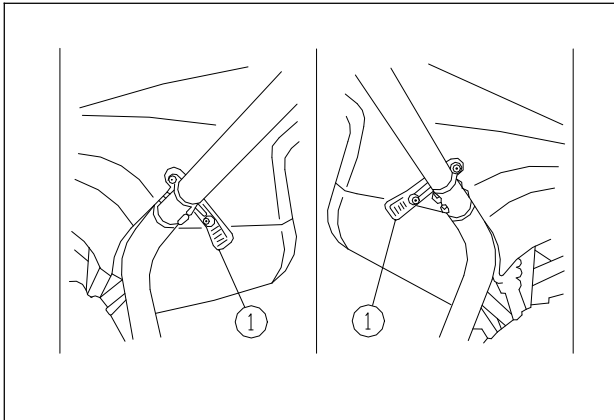
Use extreme caution when operating over large obstacles, such as large rocks or fallen trees.

Maintenance

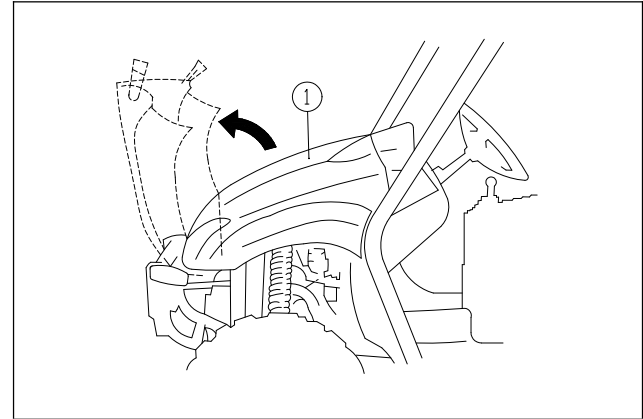
Hood

To open

Unhook the hood latches, and then slowly tilt the hood up until it stops.



1. Latch (×2)



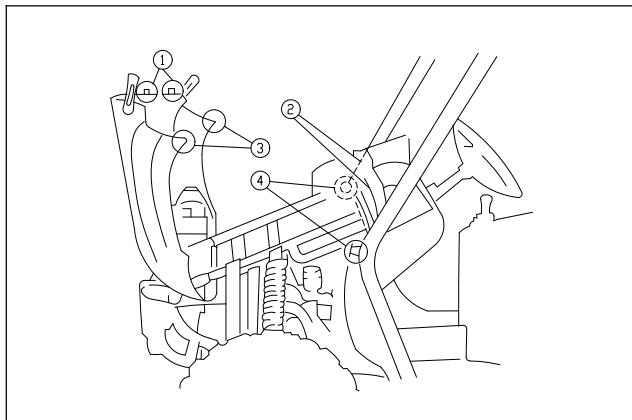
1. Hood

To close

Lower the hood slowly to its original position, and then hook the hood latches.

Secure projections 1 on the underside of the hood into slots 2 on the back of the instrument panel. Secure

slots 3 on the side of the hood around projections 4 on the frame.



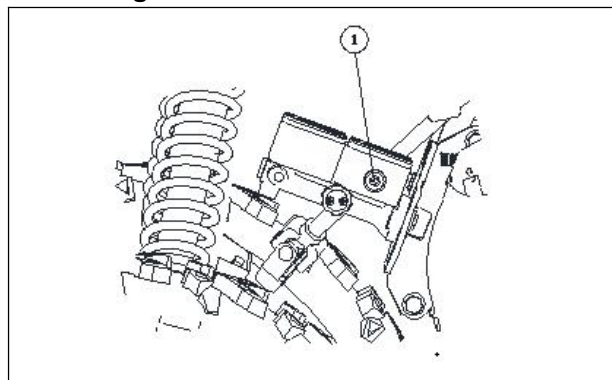
1. Projection (x2) 2. Slot (x2)
3. Slot (x2) 4. Projection (x2)

CAUTION:

- Make sure that all cables and wires are in place when closing the hood.
- Do not drive the vehicle with the hood open,

unlatched, or removed.

Checking the brake fluid level



1. Minimum level mark

Insufficient brake fluid may let air enter the brake system, possibly causing the brakes to become ineffective.

Before riding, check that the brake fluid is above the

minimum level mark and replenish if necessary. A low brake fluid level may indicate worn brake pads and/or brake system leakage. If the brake fluid level is low, be sure to check the brake pads for wear and the brake system for leakage.

The brake fluid reservoir is located under the hood.

Observe these precautions:

- When checking the fluid level, make sure the top of the brake fluid reservoir is level.
- Use only the recommended quality brake fluid. Otherwise, the rubber seals may deteriorate, causing leakage and poor braking performance.

Recommended brake fluid: DOT 4

- Refill with the same type of brake fluid. Mixing fluids may result in a harmful chemical reaction and lead to poor braking performance.
- Be careful that water does not enter the brake fluid reservoir when refilling. Water will significantly lower the boiling point of the fluid and may result in

vapor lock.

- Brake fluid may deteriorate painted surfaces or plastic parts. Always clean up spilled fluid immediately.
- Have a Kingwoo dealer inspect the brake system if the brake fluid level goes down.

Brake fluid replacement

Complete fluid replacement should be done only by trained service personnel.

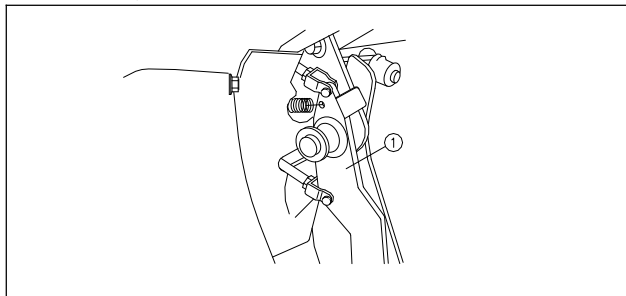
Have a Kingwoo replace the following components during periodic maintenance or when they are damaged or leaking.

- Replace the oil seals every two years.
- Replace the brake hoses every four years.

Checking the brake pedal

Have a Kingwoo dealer check the brakes at the intervals specified in the periodic maintenance and

lubrication chart. There should be no free play in the brake pedal. The brakes should operate smoothly and there should be no brake drag. If the brakes feel soft or spongy, this could indicate air in the brake system. Have a Kingwoo dealer check the brake system if necessary.



1. Brake pedal



WARNING

POTENTIAL HAZARD

Operating with improperly serviced or adjusted brakes.

WHAT CAN HAPPEN

You could lose braking ability, which could lead to an accident.

HOW TO AVOID THE HAZARD

After servicing:

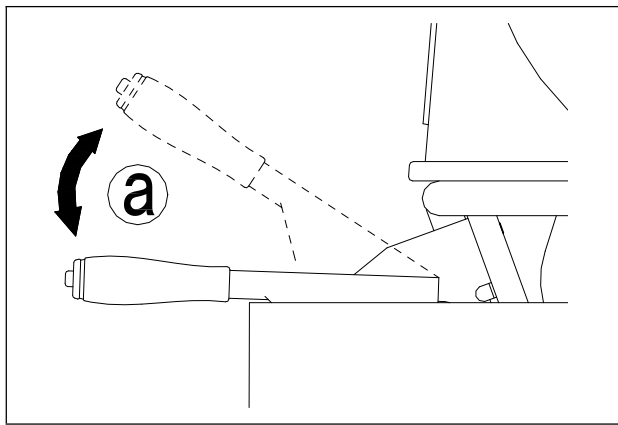
- Make sure the brakes operate smoothly and that the brake pedal position is correct.
- Make sure the brakes do not drag.
- All air must be bled from the brake system.

Replacement of brake components requires professional knowledge. These procedures should be performed by our company or dealer.

Parking brake lever free play adjustment

Periodically check the parking brake lever free play and adjust it if necessary.

Check the parking brake lever free play. The maximum free play is equal to one click of the parking brake lever. If necessary, adjust the free play as follows.



a. Parking brake lever free play

Brake light switch adjustment

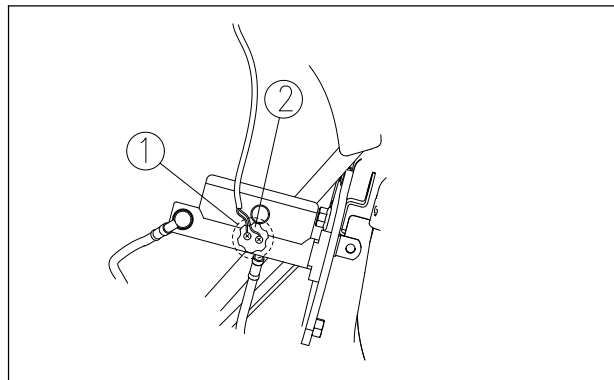
制动灯开关调整

The brake light switch, which is activated by the brake pedal, is properly adjusted when the brake light comes on just before braking takes effect. If necessary, adjust the brake light switch as follows.

1. Open the hood.
2. Turn the adjusting nut while holding the brake light

switch in place. To make the brake light come on earlier, turn the adjusting nut in direction **(A)**. To make the brake light come on later, turn the adjusting nut in direction **(b)**.

3. Close the hood



1. Brake light switch

2. Adjusting nut

Cable inspection and lubrication



WARNING

POTENTIAL HAZARD

Damaged control cables.

WHAT CAN HAPPEN

Corrosion can result when the outer covering of control cables becomes damaged. Cables can also become frayed or kinked. Operation of controls could be restricted, which could cause an accident or injury.

HOW TO AVOID THE HAZARD

Inspect cables frequently. Replace damaged cables.

Lubricate the inner cables and the cable ends.

If the cables do not operate smoothly, ask our company or dealer to replace them.

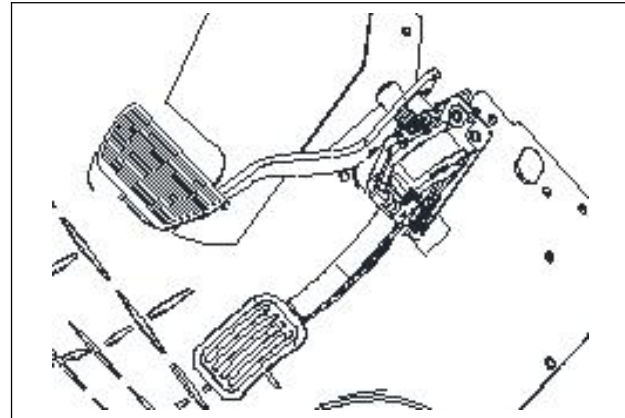
Recommended lubricant:

SAE 10W30 motor oil

Lubricate the pivoting parts.

Recommended lubricant:

Lithium-soap-based grease



Rear knuckle upper and lower pivot lubrication

Lubricate the knuckle upper and lower pivots with a grease gun.

Brake pedal and accelerator pedal lubrication

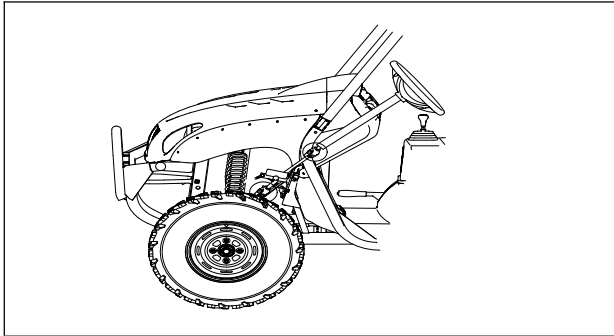
Lubricate

Steering shaft lubrication

Lubricate the pivot points.

Recommended lubricant:

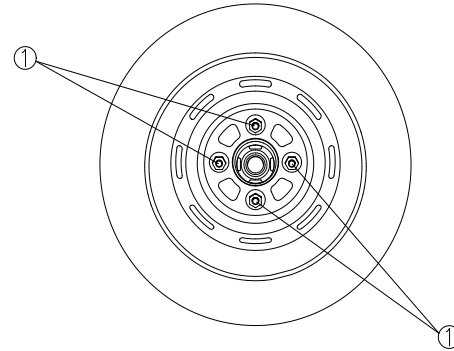
Lithium-soap-based grease
(all-purpose grease)



Wheel removal

1. Loosen the wheel nuts.
2. Elevate the vehicle and place a suitable stand under the frame.
3. Remove the nuts from the wheel.

4. Remove the wheel.



1. Nut (x4)

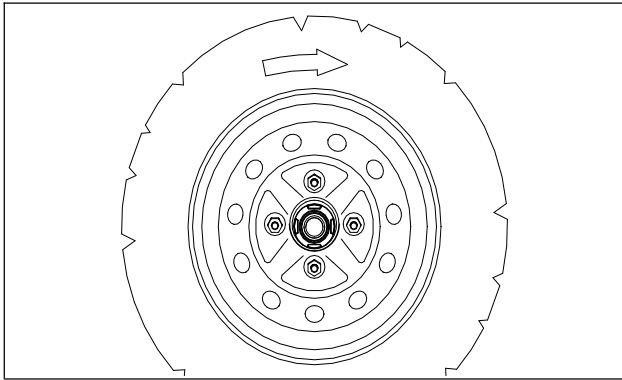
Wheel installation

1. Install the wheel and the nuts.

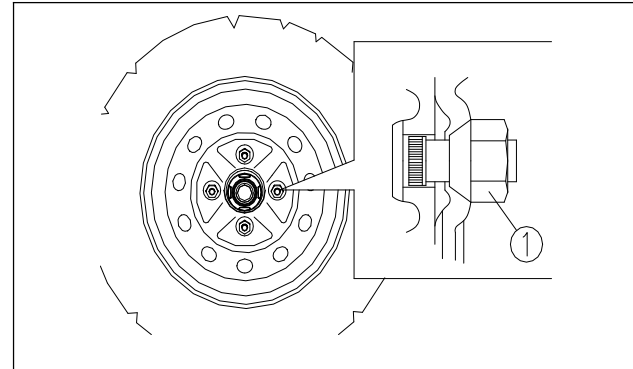
NOTE:

- The arrow mark on the tire must point toward the rotating direction of the wheel.
- Tapered nuts are used for both the front and rear

wheels. Install the nut with its tapered side towards the wheel.



1. Arrow mark



1. Tapered nut

2. Tighten the wheel nuts to the specified torque.

Wheel nut torque:

Front: 55 Nm (5.5m.kgf, 40ft.lbf)

Rear: 55 Nm (5.5m.kgf, 40ft.lbf)

3. Lower the vehicle so that the wheel is on the ground.

Colloidal maintenance free lead-acid power battery



WARNING

Battery electrolyte is poisonous and dangerous, causing severe burns, etc. It contains sulfuric acid. Avoid contact with skin, eyes, or clothing.

Antidote:

EXTERNAL: Flush with water.

INTERNAL: Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg, or vegetable oil. Call physician immediately.

EYES: Flush with water for 15 minutes and get prompt medical attention.

Batteries produce explosive gases.

Keep sparks, flame, cigarettes, etc., away.

Ventilate when charging or using in enclosed space.

Always shield eyes when working near batteries.

KEEP OUT OF REACH OF CHILDREN.

Six 8-volt deep cycle batteries provide power for your

electric vehicle and must be properly maintained and recharged for maximum performance and service life.

To maintain your batteries:

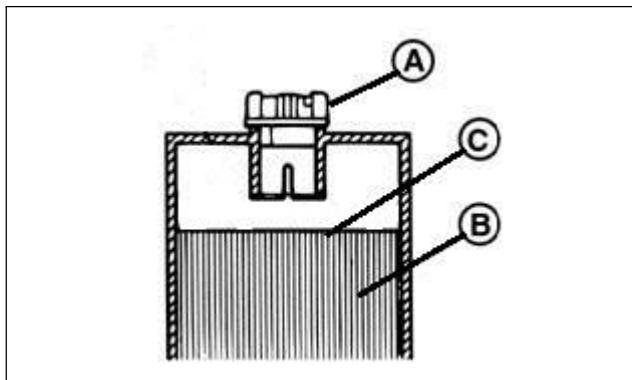
1. Clean the tops of the batteries with a solution of baking soda and water, as necessary, to remove corrosion.

CAUTION:

Do not allow cleaning solution to enter battery cells.

2. Check the fluid level inside of the battery after using for 8-10 months or at the beginning of summer.

Make sure the separation paper is wet. Open the battery cap and add distilled water for about 10ml through the four liquid adding holes. Keep the separation paper wet is ok



Ⓐ Battery cap Ⓑ Plates

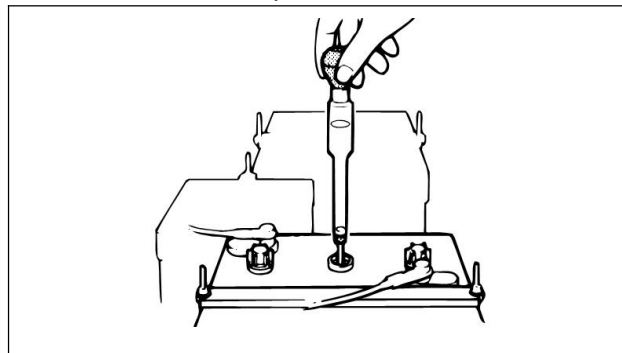
Ⓒ Separation paper

CAUTION:/警告

Normal tap water contains minerals which are harmful to a battery; therefore, refill only with distilled water. (Note: Only applicable to refillable lead-acid batteries)

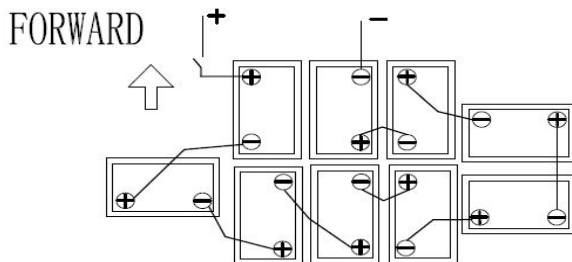
3. Using a hydrometer, check the specific gravity of the battery fluid in each cell against the readings on the chart below. Consult a KINGWOO dealer if

any low readings are found, or if readings vary more than one point between cells.

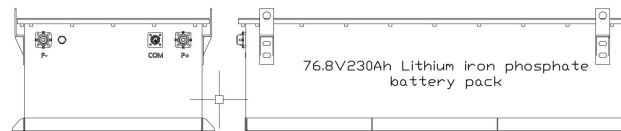


4. Lead acid battery wiring diagram

BATTERY INSTALLATION AND WIRE LEAD CONNECTION



many advantages such as high energy density, long service life, long range, good vehicle power performance, and short charging time.



Lithium iron phosphate power battery pack

Lithium iron phosphate power battery pack (optional)

KingWoo UTV can be equipped with 73.6V150Ah, 73.6V200Ah, 76.8V230Ah lithium iron phosphate battery packs. Compared with lead-acid power batteries, lithium iron phosphate power batteries have

Battery Charging



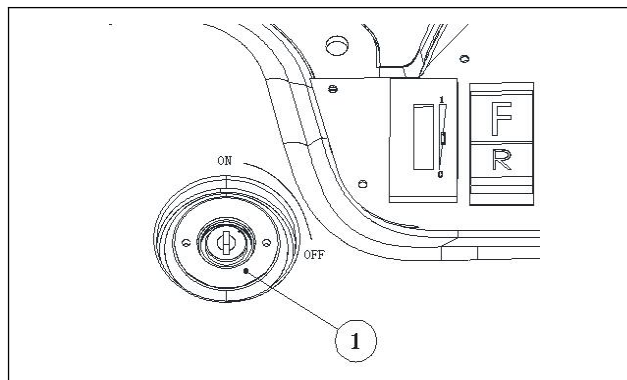
WARNING

- Read and understand the owner's manual provided with your vehicle's battery charger before charging batteries.

To charge the batteries in your vehicle, follow the instructions contained in your battery charger's owner's manual.

The following is a summary of the charging steps. **Do not attempt to recharge your vehicle's batteries without thoroughly reading and understanding the owner's manual provided with your charger.**

1. Turn main switch key to "OFF" position.



1. main switch

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

CAUTION:

Use only battery chargers that are rated for use with 72 volt Kingwoo vehicle. Thoroughly read and understand the user manual supplied with your 72 volt charger.



WARNING

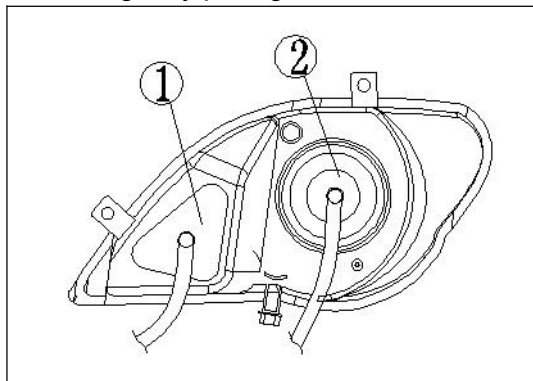
Do not disconnect the DC output cord from the battery receptacle when the charger is on or an arc could occur that may cause an explosion.

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

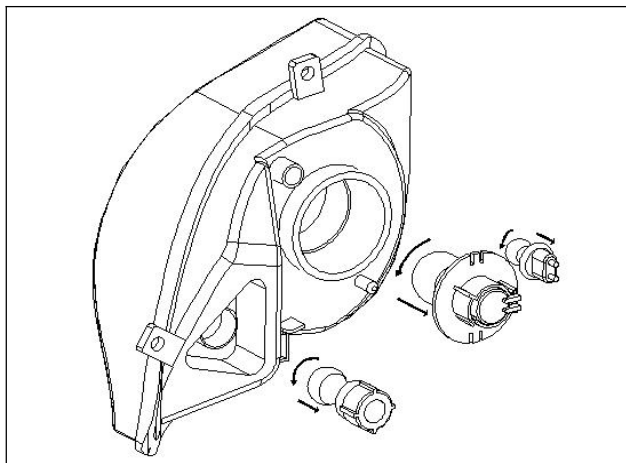
Replacing a headlight bulb/更换前照灯灯泡

If a headlight bulb burns out, replace it as follows.

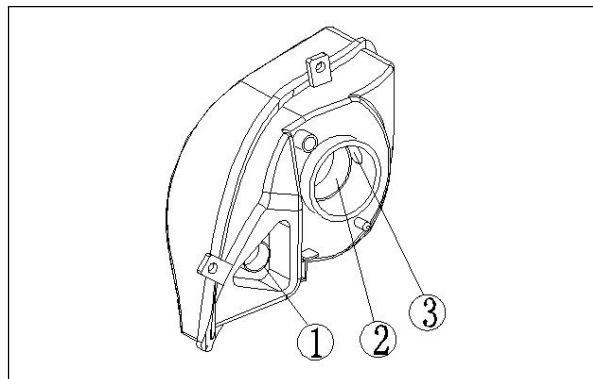
1. Lift the hood up. (See pages for hood opening and closing procedures)
2. Remove the bulb holder cover at the rear of the headlight by pulling it off.



1. Direction light bulb holder cover
2. High – beams bulb holder cover
3. Disconnect the headlight couple by lifting the tab as shown and pulling out the couple.



4. Remove the defective bulb by turning it counterclockwise.



1. Direction light bulb holder
2. High-beams bulb holder
3. Traveling light bulb holder

WARNING

POTENTIAL HAZARD

A headlight bulb is hot when it is on and immediately after it is turned off.

WHAT CAN HAPPEN

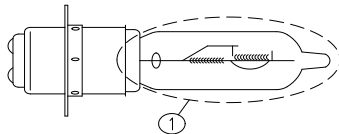
You can be burned, or a fire could start if the bulb

touches something flammable.

HOW TO AVOID THE HAZARD

Wait for the bulb to cool before touching or removing it.

5. Insert a new headlight bulb into the bulb



1. Headlight bulb holder tab (x2)

CAUTION:

Do not touch the glass part of the headlight bulb to keep it free from oil, otherwise the transparency of the glass, the luminosity of the bulb, and the bulb life will be adversely affected. Thoroughly clean off any dirt and fingerprints on the headlight bulb using a cloth moistened with

alcohol or thinner.

6. Install the headlight bulb holder by turn
7. Install the headlight bulb holder cover at the rear of the headlight.
8. Close the hood.

Headlight beam adjustment

CAUTION:

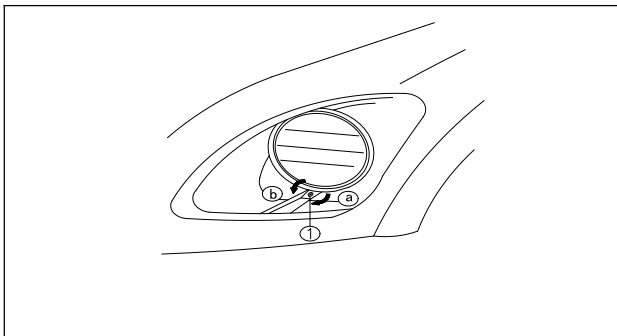
It is advisable to have our company or dealer make this adjustment.

To raise the beam, turn the adjusting screw in direction

Ⓐ.

To lower the beam, turn the adjusting screw in direction

Ⓑ.

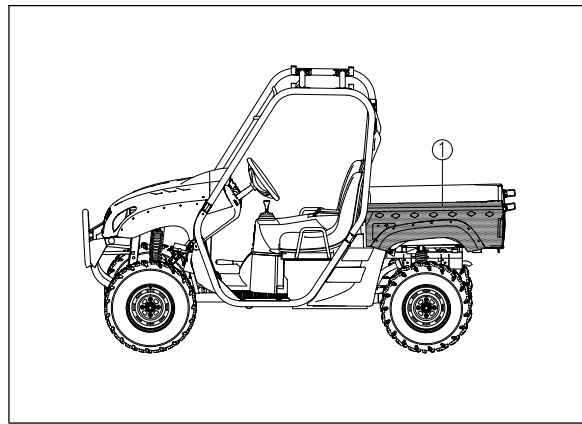


1. Headlight beam adjusting screw

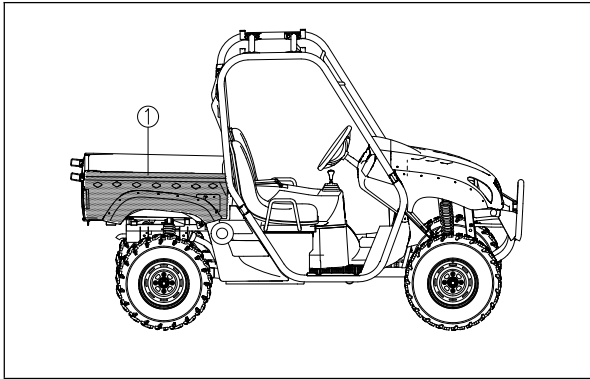
Tail/brake light bulb replacement

If a tail/brake light bulb burns out, replace it as follows:

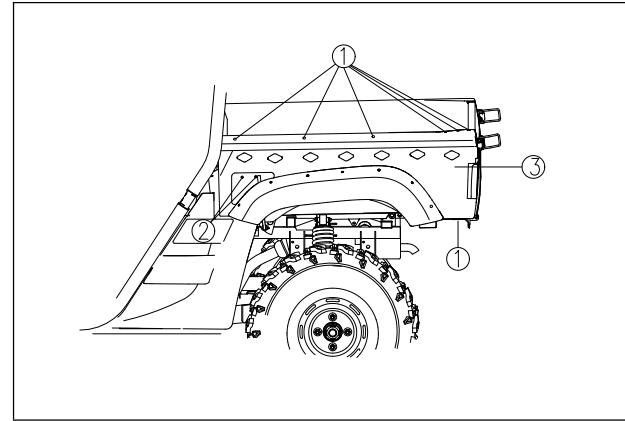
1. Remove panel A (if replacing the left tail/brake bulb) or panel B (if replacing the right tail/brake bulb) by removing the quick fasteners and bolts.



1. Panel A

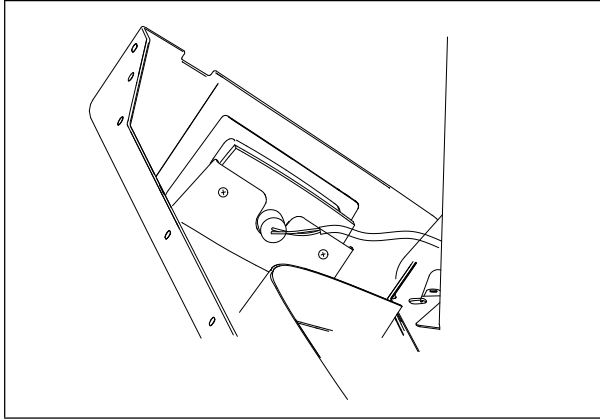


1. Panel B



1. Quick fastener (×8) 2. Bolt (×2) 3. Panel A

2. Remove the bulb holder (together with the bulb) by turning it counterclockwise.



6. Install the panel by installing the quick fasteners and bolts, and then tighten the bolts to the specified torque.

Tightening torque:

Panel bolt:

6.5N.m (0.65m.kgf, 4.7ft.lbf)

1. Tail/brake light bulb holder
3. Push the defective bulb in and turn it counterclockwise to remove it from the bulb holder.
4. Push a new bulb in and turn it clockwise to install in the bulb holder.
5. Install the bulb holder (together with the bulb) by turning it clockwise.

Storage

Perform the following preparations when storing your vehicle for extended periods of time:

NOTE:

Turn main switch key to “OFF” position, remove key.

CHASSIS PREPARATION

1. Verify the tire pressure is set.
2. Clean exterior of the vehicle and apply a rust inhibitor.
3. Cover the vehicle car with a breathable cover and store it in a dry, well-ventilated area.

BATTERY PREPARATION

1. Must charge with the standard charger supplied by the factory.
2. Charge the batteries fully for 24 hours for the first three times after fully discharged.
3. Never charge batteries exceed 15 hours, especially when temperature rise obviously.
4. Never continue to use the batteries when the batteries lack of electricity, especially when the electric vehicle cannot run.
5. Fully charge the batteries before storage. Do not store the battery when there has low electric power .The battery need charge one time after has been stored in 1-2 months.
6. Charge the batteries after vehicle running for 50kms.

Professional Service Guide

Maintenance

1. Periodical service schedule:

ITEM	REMARKS	EVERY						
		PER- OPERATION	160KMS	1000KMS	2000KMS	4000KMS	4000KMS	8000KMS
			20RND	125RND	250RND	300RND	300RND	1000RND
			20HRS	125HRS	250HRS	500HRS	500HRS	1000HRS
			100MILES	600MILES	1200MILES	2500MILES	2500MILES	5000MILES
			(1MTH)	(6MTH)	(1YR)	(1YR)	(2YRS)	(4YRS)
BATTERY	CHARGE	YES						
	CHECK ELETRODE		YES					
	LEVEL							
	CLEAN TOPS AND TERMINAL		YES					
	CHECK FOR CORROSION							

	CHECK FOR LOSSENESS OF BATTERY TERMINALS AND HOLD DOWNS	YES						
TRACTION	CHECK FOR LOOSE OR BROKEN CONNECTIONS		YES					
MOTOR	CHECK BRUSH AND COMMUTATOR							YES
WIRING	CHECK ALL WIRINGSOLATION FOR CRACKS AND/OR WORN SPOTS			YES				
GEAR BOX	CHECK GEAR BOX OIL LEVEL AND LEAKAGE				YES			
	REPLACE GEAR BOX OIL				YES			
BRAKES	CHECK AND ADJUST IF NECESSARY	YES						

	CHECK BRAKE PEDAL FREE PLAY		YES					
	CHECK SHOELINING THICKNESS				YES			
STEERING	CHECK AND ADJUST IF NECESSARY	YES						
	CHECK GEARBOX FOR LEAKAGE						YES	
	ADJUST WHEEL ALIGNMENT				YES			
	CHECK KINGPIN PLAY SEAL AND CAP				YES			
	LUBRICATE KING PIN				YES			
WHEEL	CHECK TYRE PRESSURE	YES						
	CHECK TYRE TREAD DEPTH				YES			
	CHECK TYRE SERFACE FOR DAMAGE				YES			

	CHECK WHEEL NUT TIGHTNESS				YES			
	CHECK FRONT WHEEL BEARING PLAY				YES			
	CHECK REAR AXLE BEARING PLAY				YES			
	CHECK REAR AXLE FOR DAMAGE				YES			
BODY AND CHASSIS	CHECK BODY AND CHASSIS FOR DAMAGE	YES						
	CHECK TIGHTNESS OF ALL BOLTS NUTS AND SCREWS				YES			
	CHECK SHOCK ABSORBERS FOR OIL LEAKS				YES			
	CHECK COIL SPRINGS FOR CRACKS OR DAMAGE				YES			

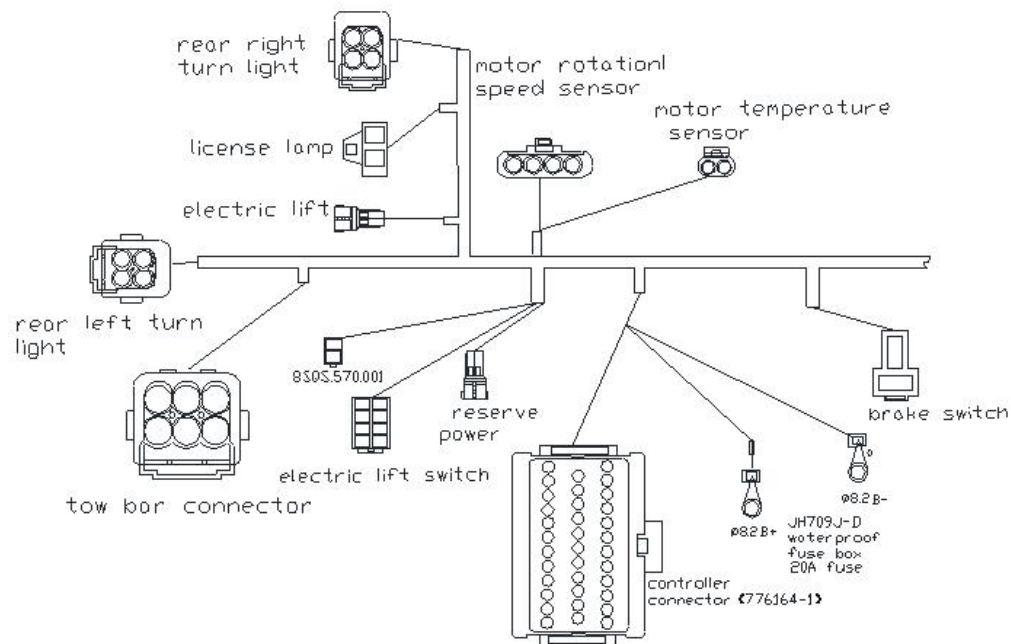
ACCELERATOR STOP SWITCH	CHECK OPERATION AND ADJUST PEDAL STOP IF NECESSARY				YES			
BACK-UP BUZZER	CHECK OPERATION	YES						

Specifications

Model	RUE725
Dimensions: Overall length Overall width Overall height Height of floor Seat height Wheelbase Tread: Front/Rear Min Ground clearance	2905 mm (114.4 in) 1375 mm (54 in) 1860 mm (73 in) 360 mm (14.1 in) 818 mm (32.2 in) 1905 mm (75 in) 1140 mm (44.9 in) /1000 mm (39.4 in) 200 mm (7.9 in)
Basic weight: With battery	525.0 kg (1,156 lb)
Performance: Maximum speed Minimum turning radius Seating capacity Hill climbing ability	37 mph (60 km/h) 3,5m (137.8 in) 2 persons 15° on pavement

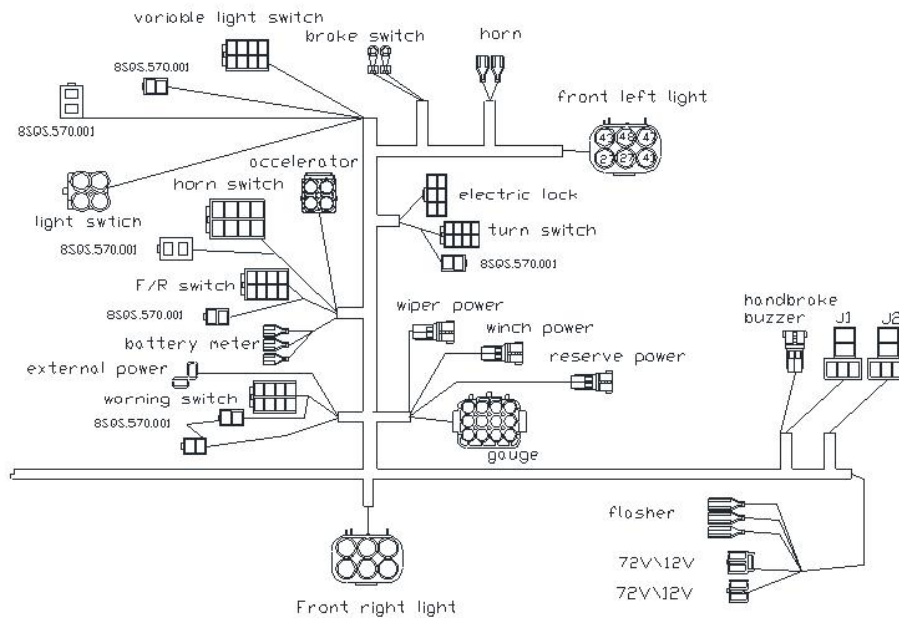
Model	RUE725
TRANSMISSION: Differential/reduction gear: Differential type Lubricant	Bevel gear SAE90 gear oil
Battery: Type Quantity:	8V/150Ah 9pcs
Brakes: Brake system Type of brake	4-Wheel Hydraulic Disc
Parking brake: Type	Hand type; parking brake with automatic release.
Wheel: Tire size: Front Rear	25 x 8–10.00/4 PR 25 x 10–10.00/4 PR

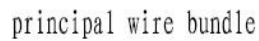
Wiring Diagram (Back Layout)



(7761

Wiring Diagram (Front Layout)





Service Guide

In order to protect the interest of customers and to give customers better after sale service, please read the following carefully:

I The content , object and period which need to be warranted

1. The content

Our company will be responsible to repair or change the inferior parts if the customers use product according to the manual and in the period of warranty and the problem is due to the quality of product.

2. The objects and period

Since the day customer buy our product

- (1) If there is any problem with our main spare parts (motor, front and rear axle and the controller), we will be responsible to repair it freely in one year.
- (2) If there is any problem with electric gear box, we will change it freely in six months period and will be responsible to repair it freely in one year.
- (3) If there is any problem with charger or controller in six months, we are responsible to change

it freely. If there is any problem with electric system, we are responsible to repair it freely in one year.

(4) Lamp, wheel, and other easily broken parts (details pls see the easily broken parts list) are not in the scope of the warranty.

(5) For the other parts, we offer one-year period free of charge repair but we don't bare the transportation fees.

(6) After one year, we will still provide our after sales service but for value.

II In the following cases, we will not provide quality warranty for our product

(1) Do not operate our product in proper way according to the manual.

(2) Do not repair our product at our listed service-centre.

(3) Beyond the warranty period

(4) Use the parts which are not manufactured by our company.

(5) Without the permission of our company, you restructure the vehicle

(6) Use the vehicle beyond the maximum load capacity.

(7) The vehicle is damaged due to typhoon, flood, fire, earthquake, war and other force, which can

not be resisted by human power.

III The validity of warranty

The warranty could only be valid after the customer does as follows:

Domestic customers send it back to our company. Foreign customers send it back to our dealer. Dealer put the information into computer and email to our company. It will be valid when our company conform that we have received the information.

IV The method of validity

If domestic customers find any problem, please inform our company directly. If foreign customers find any problem, please inform dealer first. Then dealer is responsible for informing the problem to our company through email and it will be valid after our company conform it.