

## Sightseeing Bus & Cargo Truck Manual

"ECAR GOLF"

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"Website: <http://www.ecargolf.com.au>"

### CE certified

We meet the GB/T 21268-2007  
Standard after the quality inspection.

Read and Understand the manual before operating the car

# Preface

Dear Users,

Thank you for purchasing an Ecar. We have adopted technological advancements from Europe and the United States as our main imported components. Our carts are known for their innovative design. Complete with luxurious professional paint jobs and high-strength steel which gives our carts a stylish look while being reliable and having excellent performance.

The notable features include being lightweight; having a strong uphill driving function; being eco-friendly; low noise; easy-to-charge and more while being reasonably priced. We are proud to say our carts are the most advanced in the field of electric carts at the moment.

We have created this operation manual in order for us to help users operate and maintain it correctly. In order to ensure your ecar is in the best working condition and can be used for a long time; please read this manual carefully.

Our products are always improving and updating. If this manual does not exactly match the actual product at hand, it can still serve as a standard guide. However, we advise users to contact us regarding this matter.

**NOTE:** *This car is designed for relaxation and sightseeing purposes only. It's suitable for special specific places like tourism scenic areas, pedestrian mall and anything similar. Please do not use on highways and roads.*

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# IMPORTANT MANUAL INFORMATION

Particularly important information is distinguished by using the following symbols and notes :



THE SAFETY ALERT SYMBOL means attention and be alert. Your safety is involved .

## WARNING

Failure to follow **WARNING** instructions could result in severe injury or death of the golf car passengers , bystanders, or the person driving the golf car.

## CAUTION

This message describes special precautions that must be taken to avoid damage to the car .

NOTE: \_\_\_\_\_

This message provides additional information.

NOTE: \_\_\_\_\_

Ecar continually seeks improvement in product quality. Even though this manual contains the latest product information available at the time of printing , there may be minor discrepancies between your golf car and this manual . If you have any question concerning this manual , please contact your Ecar dealer and we will work it out . This manual should be considered as a permanent part of your golf car and should stay with the car when the car is resold .

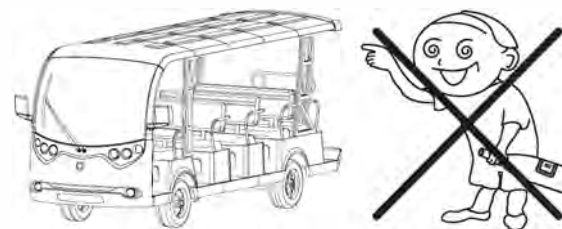
## WARNING

Read and understand the manual completely before operating your golf car.

# SAFETY OPERATION

Before operating :

1. Read this manual and all the other operations or labels marked on the car body before operating.
2. Only authorized people should drive the car and only in the designated area.
3. Do not OVERLOAD .
4. Do not drive the car if you are intoxicated this could restrict the driver's vision and judgment.



When operating:

1. Keep your body in the car and keep well-seated when the car starts moving .
2. Do not start the car until all passengers are seated.
3. Keep your hands on the steering wheel and your eyes on the path ahead.
4. Be especially careful when backing the car in crowded places. Please keep watching your back and drive slowly
5. Avoid sudden start and brake.
6. Please accelerate or decelerate the car according to the ground condition.
7. Do not turn the steering wheel too sharply at high speed.
8. Keep driving slowly straight up or straight down, not at one same angle when on slopes

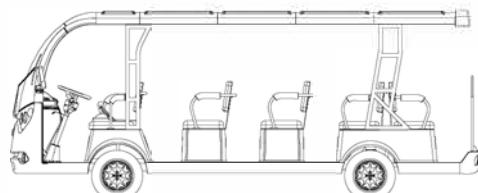
Do not overload or make any modification towards spare parts without permission.

# IMPORTANT LABELS

## ! SAFETY AND INSTRUCTION LABELS

### ! WARNING

Please read the attached labels carefully before driving the golf car, and promptly replace any label that is damaged or removed.



①

### OPERATION INSTRUCTIONS



- Read the manual and instructions before driving.
- Make sure passengers are seated.
- Select 'forward' or 'reverse' key.
- Tread the accelerator to move and the park pedal to stop.
- Drive carefully according to terrain, visibility; drive safely in crowded and slippery areas
- When parking, draw up the handle of the hand brake; when starting release the handle.

②



Explosive gasses are release when batteries are charged. Keep flaming materials away.



Sulfuric acid from batteries can burn skin and eyes.



Electrical short can result in burns. Don't connect batteries to wrong terminals

③

### ! WARNING

- No extra passengers is allowed;
- Don't start the car until all passengers are seated well.
- Drive slow when turning;
- Tread the parking pedal before leaving the car.
- Pull the main switch and turn the key off when not using the car.
- The passengers should be seated stably and hold the armrest tight.
- Keep hands and feet inside the car.

④



### ! WARNING

Windshield does not provide protection against flying objects.

# OPERATION SAFETY

The Lvtong golf car is designed to be simple to operate. However, be sure to follow the steps:

### BEFORE OPERATING:

1. Read this manual and all the other operations or labels marked on the car body before operating.

2. Do the per-operation checks in Section 6 of this manual.

3. only authorized people should drive the car only in the designated area from the owners.

4. Do not overload, because the car is designed to load limited people.

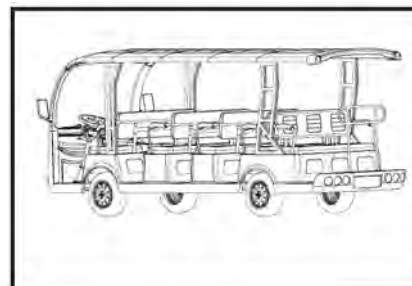
5. Do not be intoxicated. This could restrict the driver's vision and judgment.

6. Do not drive the car on public roads, streets, highways etc. Such action is illegal and dangerous. Collisions might happen.

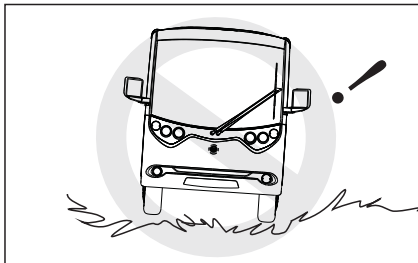
### WHEN OPERATING:

1. make sure your body does not stick out of the car, and remain firmly seated when driving.

2. Do not start the car until all passengers are seated.



# OPERATION SAFETY



Keep your hands on the steering wheel and your eyes on the path ahead.

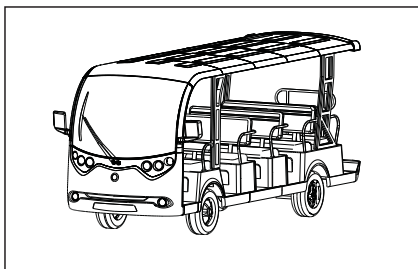
Be especially careful when backing the car in crowded areas. Please always watch your back and roll back slowly.

Avoid sudden acceleration and change speed according to ground condition.

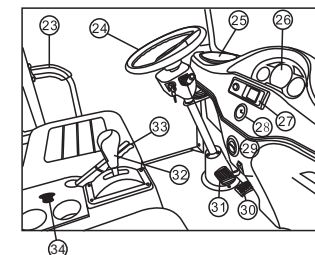
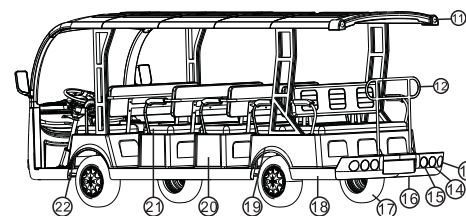
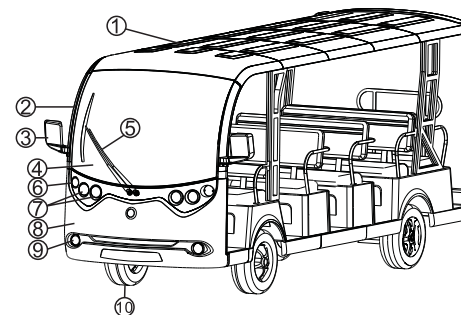
Do not make a sharp turn during high speed.

Vary speed when going uphill and going downhill.

Do not modify the loading capacity and anything about safety in this manual.



# STRUCTURE AND SPECIFICATION



- 1-Top roof
- 2-Driving Cabin
- 3-Rear Mirror
- 4-Windshield
- 5-Wiper
- 6-Turning Light
- 7-Head Light
- 8-Front Cover
- 9-Front Fog Light
- 10-Front Wheel
- 11-Reflecting light

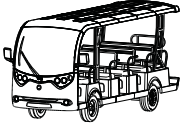
- 12-Rear Arm Rest
- 13-Turning Light
- 14-Brake Light
- 15-Reverse Light
- 16-Rear Bumper
- 17-Rear Wheel
- 18-Side Bumper
- 19-Rear Wheel Fender
- 20-Seat Support Barrel
- 21-Seat
- 22-Front Wheel Fender

- 23-Driver's Arm Rest
- 24-Steerign Wheel
- 25-Storage
- 26-Dashboard
- 27-DVD
- 28-Clock
- 29-Window
- 30-Throttle Pedal
- 31-Brake Pedal
- 32-F/R
- 33-Hand Brake
- 34-Main Power Switch



# WHOLE CAR STRUCTURE AND SPECIFICATIONS

Whole car standard configuration and Parameter table  
(Specific configuration will be subject to contract)

Car body			Electric system	Controller	Curtis controller original from USA, 1205M-6401/400A
				Battery	Us2000 battery, 12pc x 6V/pc
				Motor	High efficiency DC motor 72V/6.3kw
				Charger	High intelligent charger with 220v/110v input, 72v/25a output
				Electric throttle	Electrical accelerator 0-5kΩ
Car body	Windshield	2+2 Laminated glass	Top roof	Fiber glass	
	Seat	Leather	floor	Aluminum checker plate	
	Side mirror	Left and right mirrors	Steering	Dual automotive-style strut and self-adjust track and pinion steering	
	Lights	72v/12v-400w, head lights, turning light, fog light, reverse light, tail light, horn, reverse alarm			
	Body	PP plastic injection	Chassis	Strong steel pipe welding+ anti-rust pretreatment	
	dashboard	Speedo, voltage indicator, speaker, key switch, combo switch, F/R switch			
	Brake	Front disc, rear drum, hydraulic brake & hand brake			
	Front suspension	Independent suspension, spring +hydraulic shock absorber			
	Rear suspension	Excellent transaxle, gear ratio 12.31:1, steel plates + hydraulic shock absorber			
	Tires	535mm, 12" steel wheel			
Loading staff		14 persons( include driver)			

## 1 car main specifications

- |                                 |                      |
|---------------------------------|----------------------|
| 1.1 dimension: LxWxH            | 4960*1480*1960mm     |
| 1.2 wheel base                  | 2680mm               |
| 1.3 car weight (with batteries) | 1130kg               |
| 1.4 loading capacity            | 1050kg               |
| 1.5 max speed                   | 22km/h               |
| 1.6 mileage                     | 80—100km (flat road) |
| 1.7 mini turning radius         | 5.6m                 |
| 1.8 max climbing ability        | 15%                  |
| 1.9 ground clearance            | 180mm                |
| 1.10 Max. movement after brake  | 4m                   |
| 1.11 wheel distances            | 1190mm/ 1210mm       |

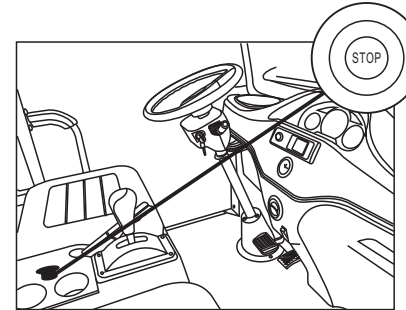
## 2 battery main specifications

- |                      |                   |
|----------------------|-------------------|
| 2.1 battery type     | Lead acid battery |
| 2.2 capacity         | 270Ah             |
| 2.3 standard voltage | 72V               |

## 3 motor main specifications

- |                           |                 |
|---------------------------|-----------------|
| 3.1 motor type            | DC series motor |
| 3.2 constant output power | 6.3KW           |
| 3.3 rated speed           | 2800r/min       |
| 3.4 rated voltage         | 72V             |
| 3.5 rated current         | 102A            |
| 3.6 rated                 | 60min           |

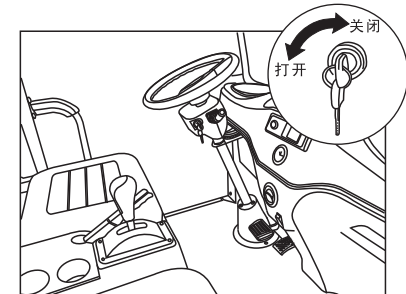
# OPERATION AND CONTROL



## Main power switch "STOP"

1. Press down the "Stop" button to cut off the main power to stop the whole system.
2. Reset the "Stop" button by twisting it and main power starts working.

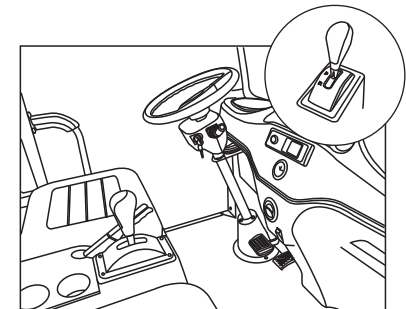
Attention: "Stop" button can be used in emergency to cut off the power and stop the car immediately.



## Key Switch

1. Plug in the key and turn right then turn on the key switch (Note: Shifting the F/R switch to the middle position before turning on Main switch).

2. Turn left and then turn off the switch. Switch can be removed only at this state.



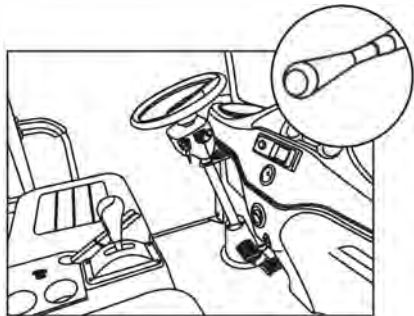
## Forward/Reverse Switch

The Forward/Reverse Switch is used to shift the car to forward, reverse or stop. Forward is upward, reverse is downward, Park is middle. When choosing reverse switch, the reverse buzzer sounds.



Completely stop car before shifting F / R switch. When shifting F/R switch, please turn the switch to middle position for 2 seconds at first, then choose Forward switch or Reverse switch. Don't use F/R switch in a hurry, the sensor might burn or switch will be out of use.

# OPERATION AND CONTROL

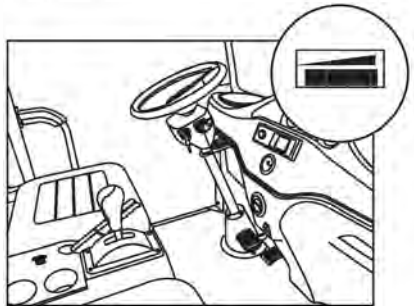


## Combined Switch

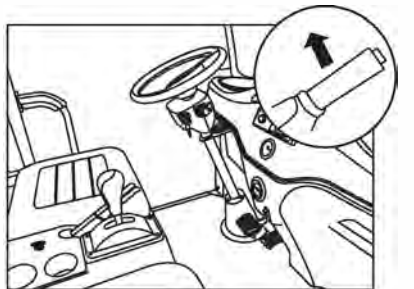
includes: horn, side light, wiper switch; End button is horn switch; shift forward to turn on right side light; shift backward to turn on left side light; shift upward to turn on wiper.

## 48V Voltage Indicator

Voltage Indicator is there to show the electricity level and remaining charge time. The voltage will shows fully charged when charged enough.



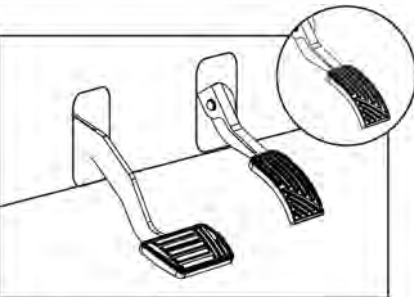
1. Electricity display reduces with the consumption of electricity during driving.
2. When battery is close to empty, it will show a warning by moving between first space and second space.



3. When the voltage indicator displays warning, it displays by flashing on the first space at the left.

## Accelerator Pedal

Turning on the key switch,choosing right gear,then releasing hand brake, putting your foot on accelerator pedal and pressing down slowly. Do not accelerate suddenly.



## Hand Brake

After fully stopping the car, pull up the hand brake on 5-7th gear to use parking function.

# OPERATION AND CONTROL

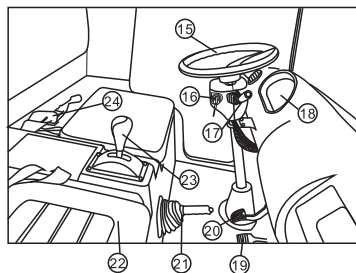
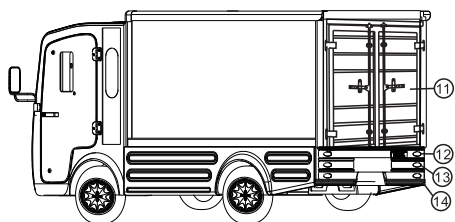
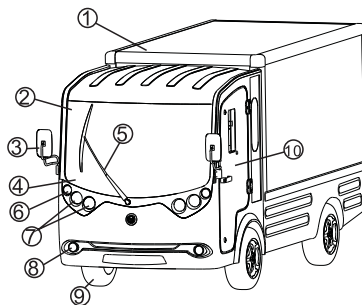


## Brake Pedal

Press Brake Pedal to reduce speed and stop car.

**Warning: Avoid braking suddenly.**

# STRUCTURE AND SPECIFICATION




## Whole structure

- |                    |                       |                    |
|--------------------|-----------------------|--------------------|
| 1. cargo box       | 9. front wheel        | 17. combo switch   |
| 2. driver cabin    | 10. glass door        | 18. dashboard      |
| 3. side mirror     | 11. door              | 19. throttle pedal |
| 4. windshield      | 12. tail light/yellow | 20. brake pedal    |
| 5. wiper           | 13. tail light/red    | 21. hand brake     |
| 6. turning light   | 14. tail light/white  | 22. seat           |
| 7. head light      | 15. steering wheel    | 23. F/R            |
| 8. front fog light | 16. key switch        | 24. safety belt    |

# STRUCTURE AND SPECIFICATION

Whole car standard configuration and Parameter table  
(Specific configuration will be subject to contract)

	Electric system	Controller	Curtis controller original from USA, 1205M-6401/400A		
		Battery	Us2000 battery, 12pc x 6V/pc		
		Motor	High efficiency DC motor 72V/6.3kw		
		Charger	High intelligent charger with 220v/110v input, 72v/25a output		
		Electric throttle	Electrical accelerator 0-5kΩ		
Car body	Windshield	2+2 Laminated glass		Top roof	Fiber glass
	Seat	Leather		floor	Rubber
	Side mirror	Left and right mirrors		Steering	Dual automotive-style strut and self-adjust track-and-pinion steering
	Lights	72v/12v-400w, head lights, turning light, working light, reverse light, tail light, horn, reverse alarm			
	Body	Premium fiber glass	Chassis	Strong steel pipe welding+ anti-rust pretreatment	
	dashboard	Fiber glass dash board, Speedo, apparatus indicator, key switch, combo switch			
	Brake	Front disc, rear drum, hydraulic brake & hand brake			
	Front suspension	Independent suspension, spring +hydraulic shock absorber			
	Rear suspension	Excellent transaxle, gear ratio 12.31:1, steel plates + hydraulic shock absorber			
	Tires	535mm, 12" steel wheel			
	Loading staff	2 persons( include driver)			

## 1 car main specifications

- |                                 |                      |
|---------------------------------|----------------------|
| 1.1 dimension: LxWxH            | 3958X1496X1985mm     |
| 1.2 wheel base                  | 1940mm               |
| 1.3 car weight (with batteries) | 1305kg               |
| 1.4 loading capacity            | 800kg                |
| 1.5 max speed                   | 22km/h               |
| 1.6 mileage                     | 80—100km (flat road) |
| 1.7 mini turning radius         | 5.2m                 |
| 1.8 max climbing ability        | 15%                  |
| 1.9 ground clearance            | 180mm                |
| 1.10 Max. movement after brake  | ≦4m                  |
| 1.11 wheel distances            | 1200mm/1300mm        |

## 2 battery main specifications

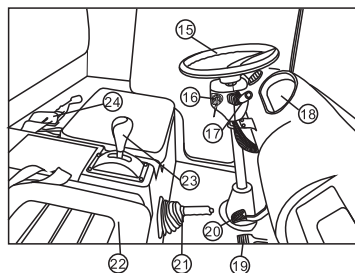
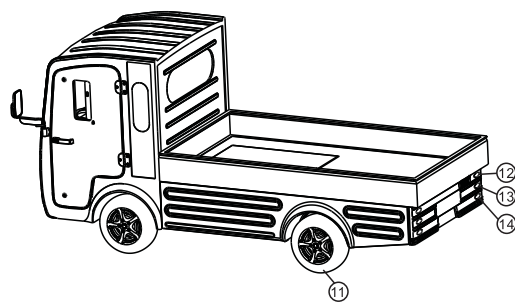
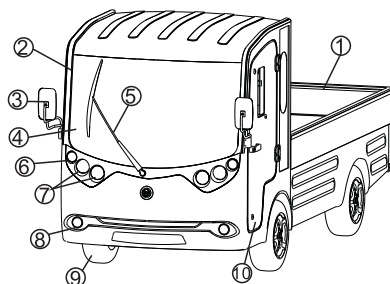
- |                      |                   |
|----------------------|-------------------|
| 2.1 battery type     | Lead acid battery |
| 2.2 capacity         | 270Ah             |
| 2.3 standard voltage | 72V               |

## 3 motor main specifications

- |                           |                 |
|---------------------------|-----------------|
| 3.1 motor type            | DC series motor |
| 3.2 constant output power | 6.3KW           |
| 3.3 rated speed           | 2800r/min       |
| 3.4 rated voltage         | 72V             |
| 3.5 rated current         | 102A            |
| 3.6 rated                 | 60min           |



# STRUCTURE AND SPECIFICATION




## Whole structure

- |                    |                       |                    |
|--------------------|-----------------------|--------------------|
| 1. cargo box       | 9. front wheel        | 17. combo switch   |
| 2. driver cabin    | 10. glass door        | 18. dashboard      |
| 3. side mirror     | 11. wheel             | 19. throttle pedal |
| 4. windshield      | 12. tail light/yellow | 20. brake pedal    |
| 5. wiper           | 13. tail light/red    | 21. hand brake     |
| 6. turning light   | 14. tail light/white  | 22. seat           |
| 7. head light      | 15. steering wheel    | 23. F/R            |
| 8. front fog light | 16. key switch        | 24. safety belt    |

# STRUCTURE AND SPECIFICATION

Whole car standard configuration and Parameter table  
(Specific configuration will be subject to contract)

		Electric system	Controller	Curtis controller original from USA, 1205M-6401/400A	
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			Charger	High intelligent charger with 220v/110v input, 72v/25a output	
			Electric throttle	Electrical accelerator 0-5kΩ	
Car body	Windshield	2+2 Laminated glass		Top roof	Fiber glass
	Seat	Leather		floor	Rubber
	Side mirror	Left and right mirrors		Steering	Dual automotive-style strut and self-adjust rack-and pinion steering
	Lights	72v/12v-400w, head lights, turning light, working light, reverse light, tail light, horn, reverse alarm			
	Body	Premium fiber glass		Chassis	Strong steel pipe welding+ anti-rust pretreatment
	dashboard	Fiber glass dash board, Speedo, apparatus indicator, key switch, combo switch			
	Brake	Front disc, rear drum, hydraulic brake & hand brake			
	Front suspension	Independent suspension, spring +hydraulic shock absorber			
	Rear suspension	Excellent transaxle, gear ratio 12.31:1, steel plates + hydraulic shock absorber			
	Tires	535mm, 12" steel wheel			
Loading staff	2 persons( include driver)				

## 1 car main specifications

- |                                 |                      |
|---------------------------------|----------------------|
| 1.1 dimension: LxWxH            | 4015X1496X1920mm     |
| 1.2 wheel base                  | 1940mm               |
| 1.3 car weight (with batteries) | 1175kg               |
| 1.4 loading capacity            | 1000kg               |
| 1.5 max speed                   | 22km/h               |
| 1.6 mileage                     | 80—100km (flat road) |
| 1.7 mini turning radius         | 5.2m                 |
| 1.8 max climbing ability        | 15%                  |
| 1.9 ground clearance            | 180mm                |
| 1.10 Max. movement after brake  | 4m                   |
| 1.11 wheel distances            | 1200mm/1300mm        |

## 2 battery main specifications

- |                      |                   |
|----------------------|-------------------|
| 2.1 battery type     | Lead acid battery |
| 2.2 capacity         | 270Ah             |
| 2.3 standard voltage | 72V               |

## 3 motor main specifications

- |                           |                 |
|---------------------------|-----------------|
| 3.1 motor type            | DC series motor |
| 3.2 constant output power | 6.3KW           |
| 3.3 rated speed           | 2800r/min       |
| 3.4 rated voltage         | 72V             |
| 3.5 rated current         | 102A            |
| 3.6 rated                 | 60min           |

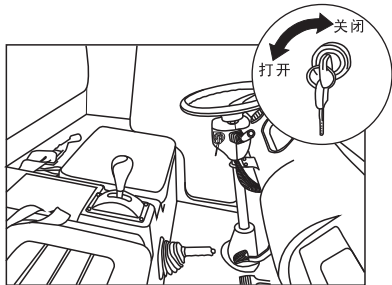
# OPERATION AND CONTROL



## Main power switch "STOP"

1. Press down the "Stop" button to cut off the main power to stop the whole system.
2. Reset the "Stop" button by twisting it and the main power starts working.
3. The Main power switch "STOP" is located in the left side of dashboard

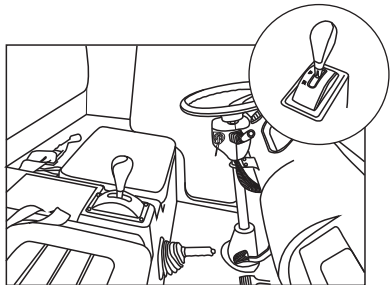
Attention: "Stop" button can be used in an emergency to cut off the power and stop the car immediately.



## Key Switch

1. Plug in the key and turn right then turn on the key switch (Note: Shifting the F/R switch to the middle position before turning on Main switch).

2. Turn left and then turn off the switch. Switch can be removed only at this state.



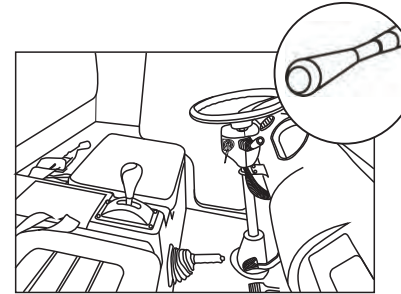
## Forward/Reverse Switch

The Forward/Reverse Switch is used to shift the car to forward, reverse or stop. Forward is upward, reverse is downward, Park is middle. When choosing reverse switch, the reverse buzzer sounds.



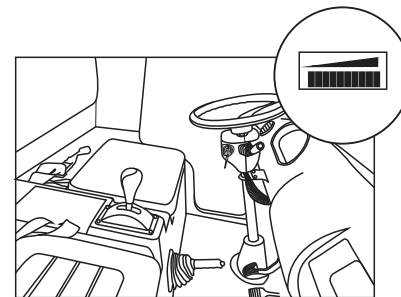
**WARNING**  
Completely stop car before shifting F / R switch. When shifting F/R switch, please turn the switch to middle position for 2 seconds at first, then choose Forward switch or Reverse switch. Don't use F/R switch in a hurry, the sensor might burn or switch will be out of use.

# OPERATION AND CONTROL



## Combined Switch

includes: horn, side light, wiper switch; End button is horn switch; shift forward to turn on right side light; shift backward to turn on left side light; shift upward to turn on wiper.



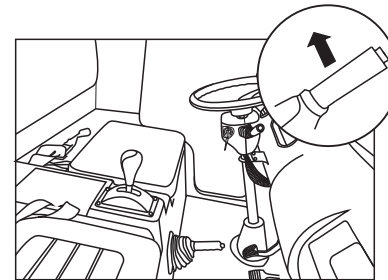
## 48V Voltage Indicator

Voltage Indicator is there to show the electricity level and remaining charge time. The voltage will show fully charged when charged enough.

1. Electricity display reduces with the consumption of electricity during driving.

2. When battery is close to empty, it will show a warning by moving between first space and second space.

3. When the voltage indicator displays warning, it displays by flashing on the first space at the left.

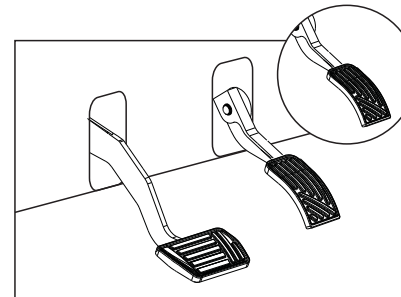


## Accelerator Pedal

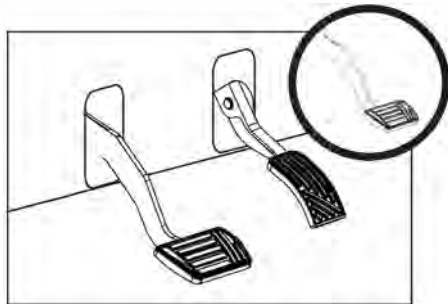
Turning on the key switch, choosing right gear, then releasing hand brake, putting your foot on accelerator pedal and pressing down slowly. Do not accelerate suddenly.

## Hand Brake

After fully stopping the car, pull up the hand brake on 5-7th gear to use parking function.



# OPERATION AND CONTROL

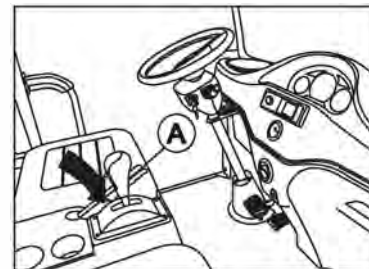


## Brake Pedal

Press Brake Pedal to reduce speed and stop car.

Warning: Avoid braking suddenly.

# PRE OPERATION



## HAND BRAKE

Make sure that the hand brake has a good parking brake effect.

Ⓐ hand brake

## NOTE

Release the hand brake before stepping on the accelerator pedal.

## ⚠ WARNING

Before checking the accelerator pedal, make sure that the main switch is in the "OFF" position.



Make sure that the accelerator pedal operates smoothly.

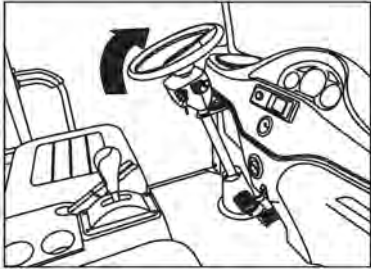
Ⓑ Accelerator pedal

## BODY AND CHASSIS

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

# PRE OPERATION

## STEERING SYSTEM



Check the steering system for excessive freeplay.

- Moving the steering wheel up and down, and back and forth.
- Turning the steering wheel slightly to the right and left.

If you feel excessive freeplay or hear rattling sounds, which may indicate loose steering components, consult a Lvtong dealer immediately.

## BACK UP BUZZER

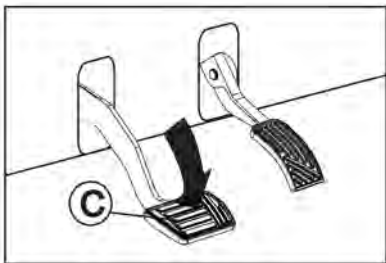
Check the back up buzzer by moving the drive. Switch to "REV" for reverse. A sound will be heard.

## PEDAL OPERATION

Check the following pedal controls for proper operation. If a pedal does not work properly, consult a Lvtong dealer.

## BRAKE PEDAL

Make sure that the brake pedal feels firm when pressed and returns to its original position when released.



Ⓒ Brake pedal

# PRE OPERATION

Pr-operation checks should be made each time you use your golf car. Get in the habit of performing the following checks so that they become second nature.

## ! WARNING

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

## PRE-OPERATION CHECKLIST

Before each use, please check the following

- ✓ Batteries
- ✓ Tire condition
- ✓ Steering system
- ✓ Back-up buzzer
- ✓ Pedal operation
- ✓ Body and chassis

## SEAT

Open the seat for checking and servicing



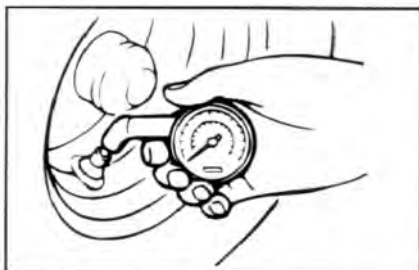
## PRE OPERATION

### BATTERY

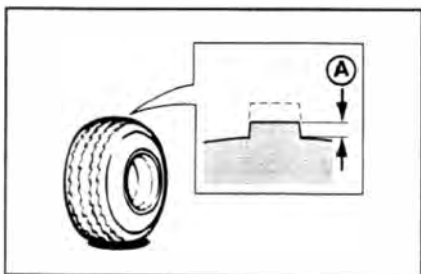
Charge batteries before each use. See charging steps in chapter 6. Check that the batteries are held securely in place to prevent the batteries from vibration or jarring. Also check that no prevent battery acid form spilling from the battery. Check the battery terminals for corrosion.

### TIRE CONDITION

Check the tire air pressure before operating of car.



Tire pressure  
36PSI



#### Tire wear limit

Check the tire surface for damage, cracks or embedded objects. When tire tread wears down to 0.04 (lmm), replace the tire.

Ⓐ Wear limit

## MAINTENANCE

### BATTERY CHARGING

#### ⚠ WARNING

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

#### ⚠ WARNING

Explosive hydrogen gas is produced while batteries are being charged. Only charge batteries in well ventilated areas(A minimum of 5 air changes perhour is recommended)

Follow the instructions contained in your battery charger's owner's manual to charge the batteries in your car.

The following is a summary of the charging steps.

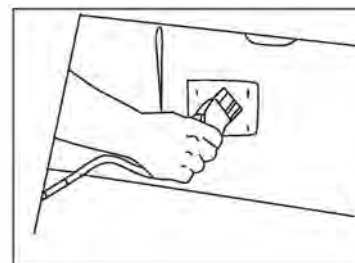
Do not attempt to recharge your car's batteries without thoroughly reading and understanding the manual.

Connect the charger properly with the plug case (see charger's owner's manual).

Do not insert the AC output plug into the car directly.

#### CAUTION

Use battery chargers that are only used for this car. Thoroughly read and understand the manual.



# MAINTENANCE

## Battery Care



**WARNING**

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

Antidote:

EXTERNAL: Wash 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, flames and cigarettes away. Make sure it is ventilated when charging or using in enclosed space. Always shield eyes when working near batteries.



**WARNING**

**Keep out of reach of children.**

Batteries provide power for your electric car and must be properly maintained and recharged for maximum performance and service life. The ways to maintain your batteries.

1. Clean the top of the batteries with soda water if necessary to remove corrosion.

## CAUTION

**Do not allow cleaning material to enter battery cells.**

2. Check the fluid level before and after charging.

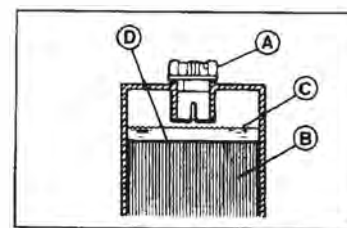
# MAINTENANCE

Before charging:

Only add distilled water. If fluid is below the top of the plates, add just enough to cover plates.

After charging:

check that the fluid level is appropriately 1/4 to 1/2 inch above the plates and 1/4 to 3/8 inch below the level is low. Add distilled water carefully. Adding distilled water after charging helps prevent boiling over.



A Battery cap

B Plates

C Maximum fluid level

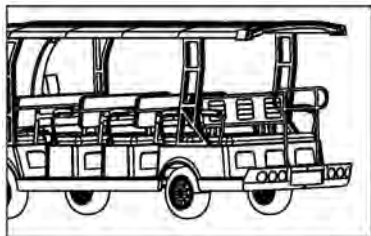
D Minimum fluid level

Normal tap water contains minerals which are harmful to a battery; therefore, refill only with distilled water.

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

Temperature		Satisfactory
° F	° C	Hydrometer Reading
120	48.9	1.244
110	43.3	1.248
100	37.8	1.252
90	32.2	1.256
80	26.7	1.260
70	21.1	1.264
60	15.6	1.268
50	10	1.272
40	4.4	1.276
30	-1.1	1.280

# MAINTENANCE



check the oil level in the gear box

## Gearbox oil

1. Place the car on a horizontal level
2. Lift the cushion
3. Remove the oil plug
4. Pour in the gear oil slowly until it reaches the opening

recommended oil :  
SAE 90 gearoil

Gearcase capacity :

5. It's fine for the oil to overflow

Make it stop when it flows out

## CAUTION

Foreign materials are forbidden from getting into the gearbox

6. Put the oil plug

## NOTE:

For oil Replacement, please consult your Lvtong dealer or other qualified mechanic.

# MAINTENANCE

## ⚠ WARNING

Do not disconnect the DC output cord from the battery receptacle when the charger is on because 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 golf car receptacle by grasping the plug body and pulling the plug straight out of the receptacle.

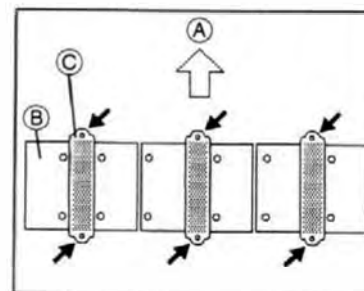
## BATTERY INSTALLATION

## ⚠ WARNING

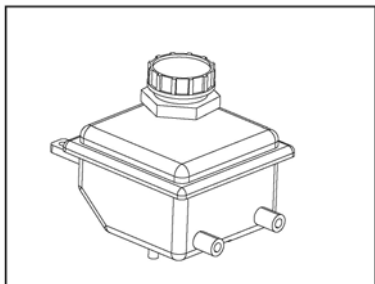
When installing the batteries, do not put the wrenches or other metal objects across the battery terminals. An arc can occur causing explosion of the batteries.

1. Install the battery hold down plates as shown.

- Ⓐ Forward
- Ⓑ Battery
- Ⓒ battery fitting plates



# MAINTENANCE



## Brake Oiler:

The brake oiler of S 14 sight seeing bus is located below left storage of dashboard; brake oiler of S2.B cargo car is located at the left side of dashboard.

In order to maintain the performance of brake system, adding brake oil if you find the liquid to be less than half.

## PERIODIC MAINTENANCE CHARTS

Regular maintenance is required for the best performance and safe operation of your car.



Make sure to turn off the main switch and apply the hand brake when you perform maintenance. If you are not familiar with machine serving, this work should be done by a Lvtong dealer or other qualified mechanic.

# MAINTENANCE

C=Check CA=CheckAdjust R=Replace S=Service CL=CleanandLubricate L=Lubricate

	Remarks	Pre-Operation	20 rounds 20 hours 20 hours 160kms( Every Month)	125 rounds 125 hours 600 miles 1000kms( Every 6	250 rounds 250 hours 1200 miles 1000kms( Every Years)	500 rounds 500 hours 2500 miles 4000kms( Every 2 Years)	1000 rounds 1000 hours 5000 miles 8000kms (Every 4	Page
Pre-Operation	Charge	S	S	S	S	S	S	8-5
	Clean Battery tops, for tightness of hold-down screws and terminals	S	S	S	S	S	S	8-3/6-2
	Check brake pedal freeplay and adjust if necessary	C	CA	CA	CA	CA	CA	8-9/8-10
	Check steering operation	C	C	C	C	C	C	6-3
	Check tire pressure tread depth tire surface for damage	C	CA	CA	CA	CA	CA	6-2
	Check body and chassis, for damage	C	C	C	C	C	C	6-4
	Check tightness of all bolts, nuts and screw	C	C	C	C	C	C	*
	Check reverse buzzer	C	C	C	C	C	C	6-3
Every month	Check electrolyte level		C	C	C	C	C	8-3/8-4
	Check for loose or broken connections		C	C	C	C	C	*
	Clean Lube Pedal control area		CL					*
Every 6 month	Check all wire insulation for crack and/or worn spots			C	C	C	C	*
	Check shock absorbers for oil leaks and damaged springs			C	C	C	C	*
Every year	Perform a discharge test				S	S	S	*
	protectant				S	S	S	*
	Check shoe lining thickness and rear axle beating play				C	C	C	*
	Check steering knuckle bushing freeplay/Adjust wheel alignment				CA	CA	CA	*
	Check wheel not tightness				C	C	C	8-9/*
	front wheel bearing play				C	C	C	8-8
	Check gear box oil level and leakage				C	C	C	8-8
	Check operation and adjust pedal stop if necessary				CA	CA	CA	*
Every 4 month	Replace gear box oil						R	*
	Check for grease leakage; adjust gear box if						CA	8-8

Items without a page number reference should be serviced by approved agent or qualified technician.

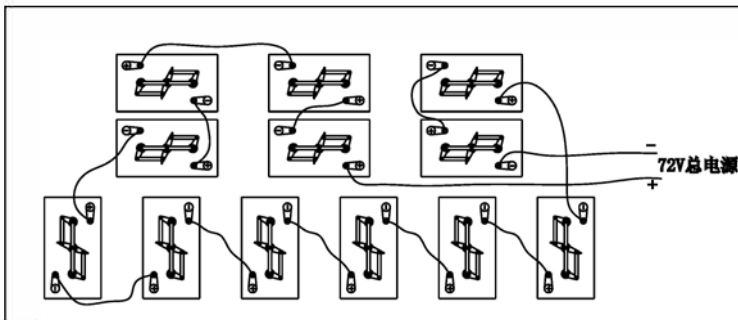
This manual doesn't contain these procedures. They are contained in the Service Manual



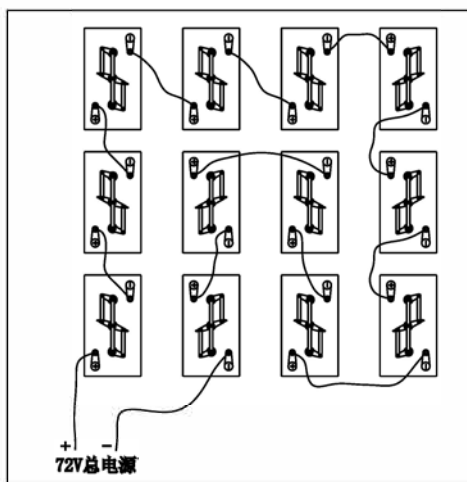
# MAINTENANCE

2. .link the cables as the picture

S14.B



S2.B



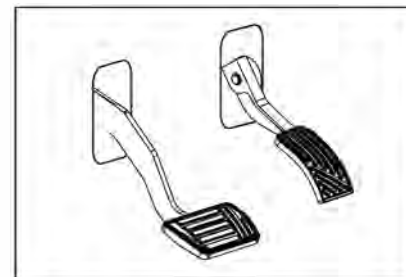
## ⚠ WARNING

When installing the batteries:

1. Please carefully place the cables and make them down, making sure the cables not crossover the vent caps
2. Always remove the negative(-) cable from the motor controller first. Install it at last.
3. Do not tighten the battery nuts too much, because too much force would damage the battery case.

# MAINTENANCE

**Brake system:  
free adjustment**



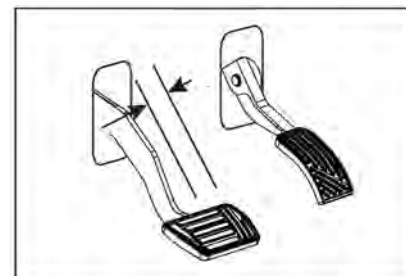
## CAUTION

Before adjusting the brake , tread the brake pedal several times to adjust the brakes .

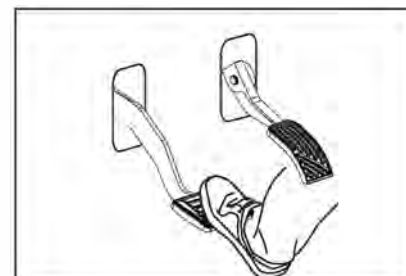
To adjust the brake distance :

1. Remove the cover of the dash board
2. Check the brake pedal by pressing with two fingers and with proper force and measuring the forwarding distance of the pedal until resistance is felt.

Brake pedal forwarding distance :  
85-95mm ( 3.35-3.74 inch)



3. If the brake system doesn't work well , you should tread the brake pedal more to exhaust the air in the oil tube .



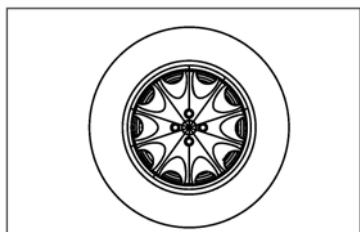
## ⚠ WARNING

Do not loosen the brake cables because of air leakage , which will also affect the brake adjustment and result in the brake malfunctioning.

# MAINTENANCE

## CAUTION

Be sure the main switch is in the "off" position, before you check the wheel braking system.



## Tire Replacement

About removing or installing a tire:

1. Take out the wheel nuts, after the car is totally still, use anything that will prevent it from moving.
2. Elevate the car with a jack and take out the tire and the screw bolt.
3. Use the steps above conversely, when installing the tire

wheel nut tightening torque:

105NM-120NM •

## Braking Adjustment

The brake of this car can be adjusted easily by the user.

Please use your foot to press the braking pedal, making sure it has been functioning properly.

## ⚠ WARNING

Consult your Lvtong dealer before using the car, if you have anything problem with the brake. Because serious accident would be caused in case of brake failure.

# STORAGE

Perform the following preparations when leaving your golf car unused for a long time:

## NOTE:

Turn the main switch key "OFF", remove the key, and put it in a safe place.

## CHASSIS PREPARATION

1. Verify the air pressure of the tire if it's 30 psi ( 3 kgf/cm<sup>3</sup>);
2. Clean the outside of the car with anti-rust oil.
3. Cover the car and store it in a dry and well-ventilated place.

## BATTERY PREPARATION

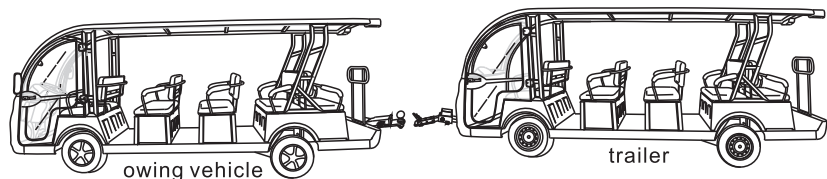
1. Recharge the batteries and check the fluid levels at least once a month .
2. Disconnect the cables in case of prolonged storage.

## CAUTION

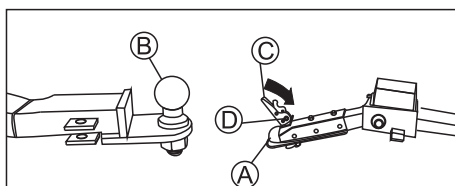
Cleaning products are forbidden to put into battery cells

3. Clean the top of the batteries with baking soda and water to avoid erosion.

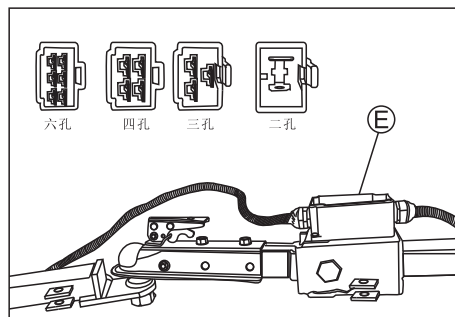
# S14TRAILERASSEMBLYANDDISASSEMBLY



1. When parking tow cars in the same line keep a distance of 1m from one car behind another.



2. Move the trailer to a suitable position, then remove screw D first. Hang the trailer cover A on the ball B, press down ball lock C, and after that install screw D back and tighten.



3. Open box E, and connect battery cables according to the socket. All cables must be well connected.

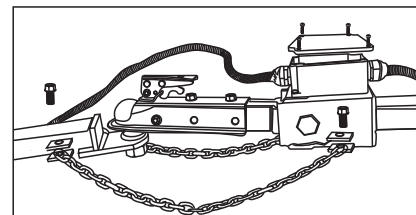
## CAUTION

Please don't take all the cable terminals out from the socket to make sure all the cables are in proper order.

When separating towing vehicle and trailer please open the power supply box first, then loosen the harness. Fix the point of the towing vehicle from the power supply box and take out the plugs.

# S14TRAILERASSEMBLYANDDISASSEMBLY

4. Tightening the fixing screw for water-proof cover and protection chain.



When reconnecting the trailer, leave a suitable harness, not too short, that the car will drag on the ground. Test the length of the harness needed for turning.

## WARNING

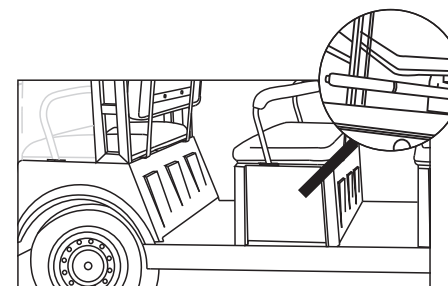
Please remove harness first.

## Hand Brake Checking

1. Please check if hand brake is working properly.
2. The hand brake is located inside the second row seat. Open the seat.

## WARNING

When leaving the car to park it for a long time please pull the hand brake of the towing vehicle first then the hand brake of the trailer. Even when parked separately make sure hand brakes are pulled up.



## STORAGE

Perform the following preparations when leaving your golf car unused for a long time:

NOTE: \_\_\_\_\_

Turn the main switch key "OFF", remove the key, and put it in a safe place.  
\_\_\_\_\_

### CHASSIS PREPARATION

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2. Disconnect the cables in case of prolonged storage.

CAUTION \_\_\_\_\_

**Cleaning products are forbidden to put into battery cells**  
\_\_\_\_\_

3. Clean the top of the batteries with baking soda and water to avoid erosion.

## WARRANTY AND AFTER-SALES SERVICE

Please read the following carefully for your interest and good after sales service from us.

### What is under our warranty and after-sale service?

Please read this instruction book carefully after you buy a car from us.

We promise to change or repair any material quality or designing problem.

### Objects & Content

#### After a car is delivered from our factory

1. We will perform free repair service as our standard warranty
2. Please contact us for universal parts, like tire, cushion, which are out of Warranty.
3. We will send technicians if there is a severe quality problem.
4. We will provide long-term after sales service when warranty date is valid

#### The below conditions will void the warranty

1. Buyer does not do as instruction book.
2. We will not repair car in places which are under our sales jurisdiction.
3. Out of warranty
4. Buyer used spare part from other manufacturers
5. Car is assembled or modified without our permission
6. Over Max Capability when used.
7. Damage caused by some natural disasters like typhoon, flood, earthquake, etc.



## WARRANTY AND AFTER-SALES SERVICE

### Valid Warranty

Buyers need to fill warranty card, stamp and send it back to us. The warranty comes into effect once we receive and confirm.

### Kind Statement

Any damage caused by improper action, which is not covered in this manual will invalidate the warranty.

## Hand programmer defective code to Curtis 1205, 1204

No.	indication
1	Thermal Cutback
2	Under Voltage
3	Throttle Fault
4	Over Voltage
5	UnderVoltage Cutoff
6	Ee Fault
7	Motor Short Fault
8	Main Contactor Dnc
9	Mosfet Short Fault
10	Over Temperature
11	Hpd Lock