



ECAR 627 Series Operations Manual

"ECAR GOLF"

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CE certified

We meet the GB/T 21268-2014
Standard after the quality inspection.

Read and Understand the manual before operating the cart

*Please note: *This is a generic Operations manual with the operational functions consistent for all the 627 Series*

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.*

IMPORTANT MANUAL INFORMATION

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



THE SAFETY ALERT SYMBOL!
Indicates to pay attention, be alert, your safety is involved.



WARNING

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

CAUTION

This message describes special Precautions that must be taken to avoid damage to the cart.

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 cart 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 cart and should stay with the cart even when the cart is resold.



WARNING

Read and understand this manual completely before operating your golf cart.

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Important Labels

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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 released 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.

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 cart only in designated areas.
3. Do not OVERLOAD.
4. Do not drive the car while intoxicated, this could restrict the driver's vision and judgement.



When operating:

1. Keep your body in the car and stay 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 watch your back and roll back 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 on an angle when on slopes.

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

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.

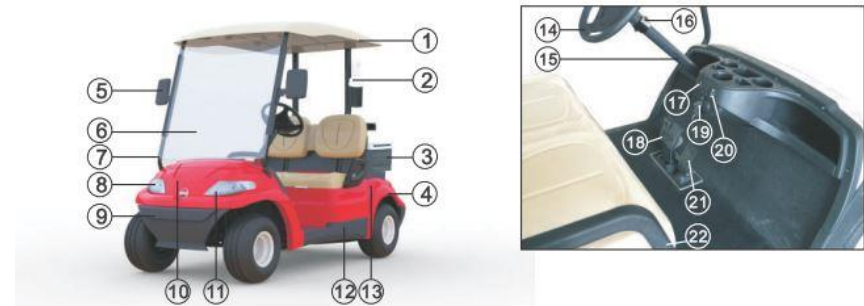
Do not make a sharp turn during high speed driving.

Vary speed when going uphill and going downhill.

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




WHOLE STRUCTURE AND SPECIFICATIONS



- | | | |
|--------------------|-----------------------|----------------------|
| 1-Top roof | 11-headlight base /L | 21-Accelerator Pedal |
| 2-Sand box | 12-Side cover sheet | 22-Arm rest |
| 3-Cool box | 13-Rear body cover | 23-Front tire |
| 4-Rear tire cover | 14-Steering wheel | 24-Rear tire |
| 5-Side mirror | 15-Steering column | 25-Tail light /L |
| 6-Windshield | 16-Combination Switch | 26-Rear bumper |
| 7-Windshield Frame | 17-Power indicator | 27-Tail light /R |
| 8-Headlight /R | 18-Brake Pedal | 28-Bag strap holder |
| 9-Front Bumper | 19-Key Switch | 29-Ballwasher |
| 10-Front Cover | 20-Switch F/R | |


STRUCTURE AND SPECIFICATIONS

(LT-A627·2)Whole car specifications (standard):
detailed specification refers to actual contract

	Electronicsystem	controller	Toyota 350A AC Controller	
		battery	6x ECAR 8V 150AH Maintenance Free Gel Batteries	
Motor		48V 4.0 kw AC Motor		
charger		Premium ECAR 25 Amp On-Board Charger		
Accelerator		Electrical accelerator 48V input, Hall output 0-5V		
Body configuration	Wind shield	Organic glass	Top roof	ABS plastic vacuum forming
	Seat	Vinyl	Floor	Rubber sliding proof mat
	Side mirror	L & R side mirrors	Steering system	Twowaygearsteering system,automatically backlash compensation
	Light&signal	48V/12-300W Front light, turning light, rear combo lights, rear combo lights, horn, reverse buzz		
	Body	PP plastic injection	chassis	High tensile steel welding structure, electrophoresis treatment for anti-rust
	Dash board	PP plastic injection, power indicator, head light switch, turning light switch, key switch, F/R switch		
	Brake	rear drum + combo brake pedal parking		
	Front Suspension	Spring+hydraulic shock absorber, independent suspension		
	Rear suspension	Excellent transaxle, gear ratio 12.31:1, half independent suspension + hydraulic shock absorber		
	Wheel & tire	Steel wheel 18*8.50-8+tire (452mm)		
	Loading staff	2 persons (including driver)		
1. specification				
1.1 dimension:L*W*H		2400*1200*1800mm		
1.2 wheelbase		1650mm		
1.3 weight(including batteries)		470kg		
1.4 load capacity		150kg		
1.5 max speed		22-24km/h		
1.6 mileage		80-100km/h(level road)		
1.7 min turning radius		2.9m		
1.8 max climbing ability		25%		
1.9 min clearance		100mm		
1.10 brake distance		<6m		
1.11 tread		front900mm/rear 1000mm		
2. battery specification				
2.1 battery type		Maintenance-Free Gel		
2.2 volume		150Ah		
2.3 voltage		48V		
3. motor specification				
3.1 motor type		AC series motor		
3.2 rated power		4.0kw		
3.3 rated rotating speed		2500r/min		
3.4 rated voltage		48V		
3.5 rated currency		105A		
3.6 ration		15min		


STRUCTURE AND SPECIFICATIONS

(LT-A627·2+2)Whole car specifications (standard):
detailed specification refers to actual contract

	Electronicsystem	controller	Toyota 350A AC Controller	
		battery	6x ECAR 8V 150AH Maintenance Free Gel Batteries	
Motor		48V 4.0 kw AC Motor		
charger		Premium ECAR 25 Amp On-Board Charger		
Accelerator		Electrical accelerator 48V input, Hall output 0-5V		
Body configuration	Wind shield	Organic glass	Top roof	ABS plastic vacuum forming
	Seat	Vinyl	Floor	Rubber sliding proof mat
	Side mirror	L & R side mirrors	Steering system	Twowaygearsteering system,automatically backlash compensation
	Light&signal	48V/12-300W Front light, turning light, rear combo lights, rear combo lights, horn, reverse buzz		
	Body	PP plastic injection	chassis	High tensile steel welding structure, electrophoresis treatment for anti-rust
	Dash board	PP plastic injection, power indicator, head light switch, turning light switch, key switch, F/R switch		
	Brake	rear drum + combo brake pedal parking		
	Front Suspension	Spring+hydraulic shock absorber, independent suspension		
	Rear suspension	Excellent transaxle, gear ratio 12.31:1, half independent suspension + hydraulic shock absorber		
	Wheel & tire	Steel wheel 18*8.50-8+tire (452mm)		
	Loading staff	4 persons (including driver)		
1. specification				
1.1 dimension:L*W*H		2760*1200*1800mm		
1.2 wheelbase		1650mm		
1.3 weight(including batteries)		550kg		
1.4 load capacity		300kg		
1.5 max speed		22-24km/h		
1.6 mileage		80-90km/h(level road)		
1.7 min turning radius		2.9m		
1.8 max climbing ability		25%		
1.9 min clearance		100mm		
1.10 brake distance		<6m		
1.11 tread		front900mm/rear 1000mm		
2. battery specification				
2.1 battery type		Maintenance-Free GEL		
2.2 volume		150Ah		
2.3 voltage		48V		
3. motor specification				
3.1 motor type		ACseries motor		
3.2 rated power		4.0kw		
3.3 rated rotating speed		2500r/min		
3.4 rated voltage		48V		
3.5 rated currency		105A		
3.6 ration		15min		


STRUCTURE AND SPECIFICATIONS

(LT-A627-4)Whole car specifications (standard):
detailed specification refers to actual contract

		Electronic system		controller	Toyota 350A AC Controller
				battery	6x ECAR 8V 150AH Maintenance Free Gel Batteries
				Motor	48V 4.0 kw AC Motor
				charger	Premium ECAR 25 Amp On-Board Charger
				Accelerator	Electrical accelerator 48V input, Hall output 0-5V
Body configuration	Wind shield	Organic glass	Top roof	ABS plastic vacuum forming	
	Seat	Vinyl	Floor	Rubber sliding proof mat	
	Side mirror	L & R side mirrors	Steering system	Twaygearsteering system,automatically backlash compensation	
	Light&signal	48V/12-300W Front light, turning light, rear combo lights, horn, reverse buzz			
	Body	PP plastic injection	chassis	High tensile steel welding structure, electrophoresis treatment for anti-rust	
	Dash board	PP plastic injection, power indicator, head light switch, turning light switch, key switch, F/R switch			
	Brake	rear drum + combo brake pedal parking			
	Front Suspension	Spring+hydraulic shock absorber, independent suspension			
	Rear suspension	Excellent transaxle, gear ratio 12.31:1, half independent suspension + hydraulic shock absorber			
	Wheel & tire	Steel wheel 18*8.50-8+tire (452mm)			
	Loading staff	4 persons (including driver)			
1. specification					
1.1 dimension:L*W*H		3160*1200*1800mm			
1.2 wheelbase		2410mm			
1.3 weight(including batteries)		510kg			
1.4 load capacity		300kg			
1.5 max speed		22-24km/h			
1.6 mileage		70-90km/h(level road)			
1.7 min turning radius		4m			
1.8 max climbing ability		25%			
1.9 min clearance		100mm			
1.10 brake distance		< 6m			
1.11 tread		front900mm/rear 1000mm			
2. battery specification					
2.1 battery type		Maintenance-Free Gel			
2.2 volume		150Ah			
2.3 voltage		48V			
3. motor specification					
3.1 motor type		DC series motor			
3.2 rated power		4.0kw			
3.3 rated rotating speed		2500r/min			
3.4 rated voltage		48V			
3.5 rated currency		105A			
3.6 ration		15min			


STRUCTURE AND SPECIFICATIONS

(LT-A627-4+2)Whole car specifications (standard):
detailed specification refers to actual contract

		Electronic system		controller	Toyota 350A AC Controller
				battery	6x ECAR 8V 150AH Maintenance Free Gel Batteries
				Motor	48V 4.0 kw AC Motor
				charger	Premium ECAR 25 Amp On-Board Charger
				Accelerator	Electrical accelerator 48V input, Hall output 0-5V
Body configuration	Wind shield	Organic glass	Top roof	ABS plastic vacuum forming	
	Seat	Vinyl	Floor	Rubber sliding proof mat	
	Side mirror	L & R side mirrors	Steering system	Twaygearsteering system,automatically backlash compensation	
	Light&signal	48V/12-300W Front light, turning light, rear combo lights, horn, reverse buzz			
	Body	PP plastic injection	chassis	High tensile steel welding structure, electrophoresis treatment for anti-rust	
	Dash board	PP plastic injection, power indicator, head light switch, turning light switch, key switch, F/R switch			
	Brake	rear drum + combo brake pedal parking			
	Front Suspension	Spring+hydraulic shock absorber, independent suspension			
	Rear suspension	Excellent transaxle, gear ratio 12.31:1, half independent suspension + hydraulic shock absorber			
	Wheel & tire	Steel wheel 18*8.50-8+tire (452mm)			
	Loading staff	6 persons (including driver)			
1. specification					
1.1 dimension:L*W*H		3520*1200*1800mm			
1.2 wheelbase		2410mm			
1.3 weight(including batteries)		590kg			
1.4 load capacity		450kg			
1.5 max speed		22-24km/h			
1.6 mileage		70-80km/h(level road)			
1.7 min turning radius		4m			
1.8 max climbing ability		20%			
1.9 min clearance		100mm			
1.10 brake distance		< 6m			
1.11 tread		front900mm/rear 1000mm			
2. battery specification					
2.1 battery type		Maintenance-Free Gel			
2.2 volume		150Ah			
2.3 voltage		48V			
3. motor specification					
3.1 motor type		DC series motor			
3.2 rated power		4.0kw			
3.3 rated rotating speed		2500r/min			
3.4 rated voltage		48V			
3.5 rated currency		105A			
3.6 ration		15min			


STRUCTURE AND SPECIFICATIONS

(LT-A627·6)Whole car specifications (standard):
detailed specification refers to actual contract

		Electronic system	controller	Toyota 350A AC Controller	
			battery	6x ECAR 8V 150AH Maintenance Free Gel Batteries	
			Motor	48V 4.0 kw AC Motor	
			charger	Premium ECAR 25 Amp On-Board Charger	
			Accelerator	Electrical accelerator 48V input, Hall output 0-5V	
Body configuration	Wind shield	Organic glass	Top roof	ABS plastic vacuum forming	
	Seat	Vinyl	Floor	Rubber sliding proof mat	
	Side mirror	L & R side mirrors		Steering system	Twoway gearsteering system, automatically backlash compensation
	Light&signal	48V/12-300W Front light, turning light, rear combo lights, horn, reverse buzz			
	Body	PP plastic injection	chassis	High tensile steel welding structure, electrophoresis treatment for anti-rust	
	Dash board	PP plastic injection, power indicator, head light switch, turning light switch, key switch, F/R switch			
	Brake	rear drum + combo brake pedal parking			
	Front Suspension	Spring+hydraulic shock absorber, independent suspension			
	Rear suspension	Excellent transaxle, gear ratio 16:1, half independent suspension + hydraulic shock absorber			
	Wheel & tire	Steel wheel 18*8.50-8+tire (452mm)			
Loading staff	6 persons (including driver)				
1. specification 1.1 dimension:L*W*H 3920*1200*1800mm 1.2 wheelbase 3170mm 1.3 weight(including batteries) 550kg 1.4 load capacity 450kg 1.5 max speed 22-24km/h 1.6 mileage 70-80km/h(level road) 1.7 min turning radius 5.1m 1.8 max climbing ability 20% 1.9 min clearance 100mm 1.10 brake distance <6m 1.11 tread front900mm/rear 1000mm 2. battery specification 2.1 battery type Maintenance-Free Gel 2.2 volume 150Ah 2.3 voltage 48V 3. motor specification 3.1 motor type AC series motor 3.2 rated power 4.0kw 3.3 rated rotating speed 2500r/min 3.4 rated voltage 48V 3.5 rated currency 105A 3.6 ration 15min					

STRUCTURE AND SPECIFICATIONS

(LT-A627·6+2)Whole car specifications (standard):
detailed specification refers to actual contract

		Electronic system	controller	Toyota 350A AC Controller	
			battery	6x ECAR 8V 150AH Maintenance Free Gel Batteries	
			Motor	48V 4.0 kw AC Motor	
			charger	Premium ECAR 25 Amp On-Board Charger	
			Accelerator	Electrical accelerator 48V input, Hall output 0-5V	
Body configuration	Wind shield	Organic glass	Top roof	ABS plastic vacuum forming	
	Seat	Vinyl	Floor	Rubber sliding proof mat	
	Side mirror	L & R side mirrors		Steering system	Twoway gearsteering system, automatically backlash compensation
	Light&signal	48V/12-300W Front light, turning light, rear combo lights, horn, reverse buzz			
	Body	PP plastic injection	chassis	High tensile steel welding structure, electrophoresis treatment for anti-rust	
	Dash board	PP plastic injection, power indicator, head light switch, turning light switch, key switch, F/R switch			
	Brake	rear drum + combo brake pedal parking			
	Front Suspension	Spring+hydraulic shock absorber, independent suspension			
	Rear suspension	Excellent transaxle, gear ratio 16:1, half independent suspension + hydraulic shock absorber			
	Wheel & tire	Steel wheel 18*8.50-8+tire (452mm)			
Loading staff	8 persons (including driver)				
1. specification 1.1 dimension:L*W*H 4280*1200*1800mm 1.2 wheelbase 3170mm 1.3 weight(including batteries) 630kg 1.4 load capacity 600kg 1.5 max speed 22-24km/h 1.6 mileage 70-80km/h(level road) 1.7 min turning radius 5.1m 1.8 max climbing ability 20% 1.9 min clearance 100mm 1.10 brake distance <6m 1.11 tread front900mm/rear 1000mm 2. battery specification 2.1 battery type Maintenance-Free Gel 2.2 volume 150Ah 2.3 voltage 48V 3. motor specification 3.1 motor type AC series motor 3.2 rated power 4.0kw 3.3 rated rotating speed 2500r/min 3.4 rated voltage 48V 3.5 rated currency 105A 3.6 ration 15min					

OPERATION AND CONTROL



Turning on Main Switch

1. Shift the switch to RUN position then turn on the power supply of car.
2. Shift the switch to OFF position then turn off the power supply of car.

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



Voltage Indicator

Voltage Indicator shows the remaining electricity and indicates when the car is fully charged.

It also shows when electricity is low.



Head light switch

Turns on the head light



Brake pedal

Stops the car.

Turning light switch



Accelerator pedal

Accelerator pedal
Turn on the key switch, choose forward or backward, release brake, and put your right foot on the accelerator pedal, soft step down the pedal to start the car.

Attention: don't press down pedal suddenly

PRE OPERATION

Pre-operation checks should be made each time you use your golf car. Get in the habit of performing the following checks in the same way 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

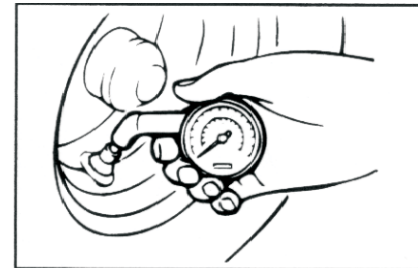
BATTERY

Charge batteries before every use. See charging steps in chapter 6.

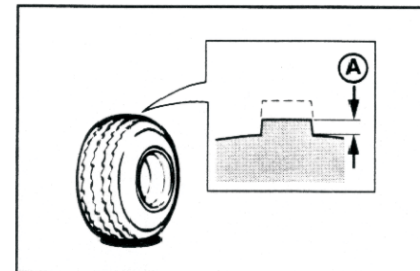
Check that the batteries are held securely in place to prevent the batteries from vibration or jarring. Also check to prevent battery acid from spilling from the battery. Check the battery terminals for corrosion.

TIRE CONDITION

Check the tire air pressure before the operation of car.



Tire pressure
2 5 P S I



 Wear limit

Tire wear limit

Check the tire surface for damage, cracks or embedded objects. When tire tread wears down to 0.04(1mm), replace the tire.

PRE OPERATION



Steering system

Check the steering system if there is too much empty steering

- A. Move the steering wheel up and down, front and back
- B. Turn the steering wheel left or right, if you find too much empty steering or hear noise, please contact dealer immediately.



Reverse alarm

Turn the F/R switch to "R" for checking reverse alarm

Pedal operation

Check the pedal's operation, if it's abnormal, contact dealer immediately.

Brake pedal

When you step down the pedal, you feel it, release it to be original position.

Ⓐ Brake Pedal



Ⓑ Accelerator Pedal

⚠ WARNING

Before checking the accelerator pedal turn off the main switch.

MAINTENANCE

BATTERY CARE

⚠ WARNING

Battery electrolyte is poisonous and dangerous, causing severe burns, etc. It contains sulfuric acid. Avoid contact 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: Wash 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 from children

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

1. Clean the top of the batteries with soda water if necessary to remove corrosion.
2. Check fluid level before and after charging.

CAUTION

Do not let cleaning material enter battery cells.

MAINTENANCE

BATTERY CHARGING

WARNING

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

WARNING

Explosive hydrogen gas is produced while batteries are being charged. Only charge batteries in well ventilated areas.

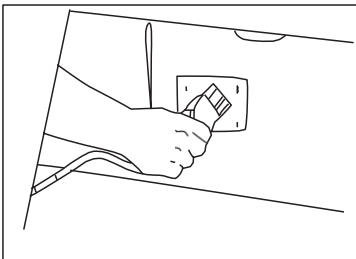
Follow the instructions contained in your battery charger's owner's manual to charge the batteries in your car. The following is a summary of the charging steps.

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.



MAINTENANCE

WARNING

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

The charger will turn off automatically when the batteries reach full charge.

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 terminal. It can cause explosion of the batteries.

MAINTENANCE

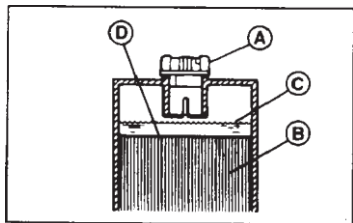
If you **DO NOT** have Maintenance-Free batteries then please follow these instructions

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

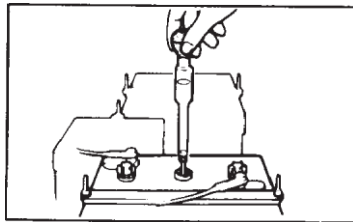
B Plates

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.

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

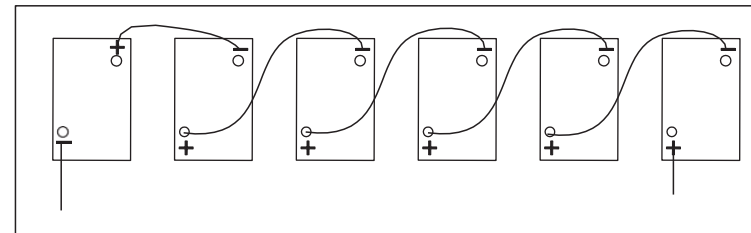


Temperature		Satisfactory Hydrometer Reading
° F	° C	
120	48.9	1.244
110	43.3	1.248
100	37.8	1.252
90	32.2	1.256
80	26.7	1.260
70	21.1	1.264
60	15.6	1.268
50	10	1.272
40	4.4	1.276
30	-1.1	1.280

MAINTENANCE

Link the cables like in the picture

A 2



When installing the batteries:

Please carefully place the cables making sure the cables not crossover the vent caps

Always remove the negative (-) cable from the motor controller first, and install it last.

Do not overtighten the battery nuts, because too much force will damage the battery case.

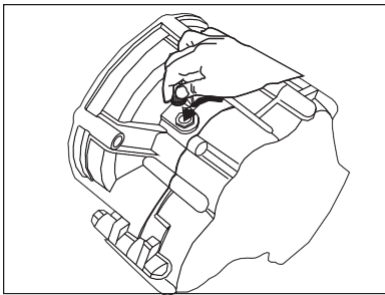
MAINTENANCE



Check the oil level in the gearbox

Gearbox oil

1. Place the car on a flat surface
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 gear oil

Gear case capacity :

5. It is fine for the oil to overflow. Make it stop when it flows out. Foreign materials are forbidden from getting into the gearbox.

MAINTENANCE

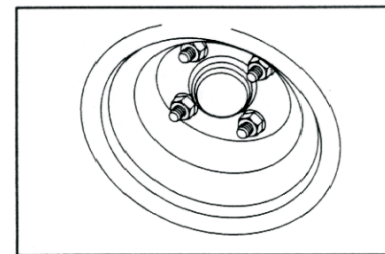
CAUTION

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

Tire Replacement

Removing or installing a tire:

1. Take out the wheel nuts, after the car is totally still.
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:

105N M-120N M

Braking Adjustment

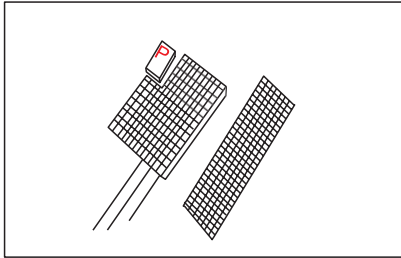
This car's brake is adjustable. Make sure the brake is functioning properly.

WARNING

Consult your ecar dealer before using the car, if you have any problem with the brake. Serious accidents can be caused by brake failure.

MAINTENANCE

Brake system: free adjustment

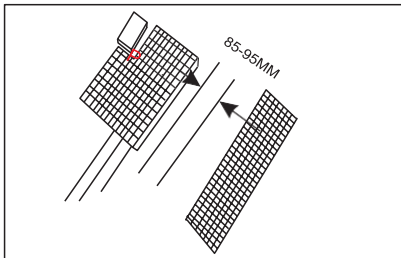


CAUTION

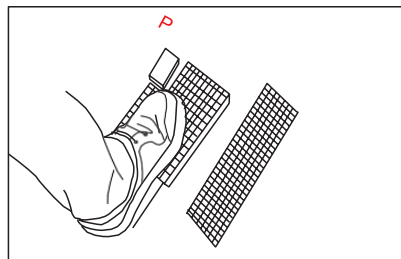
Before adjusting the brake, tread the brake pedal several times to adjust the brakes.

To adjust the brake distance:

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



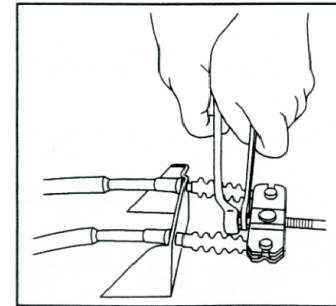
Brake pedal forwarding distance: 85-95mm (3.35-3.74 inch)



WARNING

Do not loosen the brake cables because of air leakage. This will affect the brake adjustment and result in the brakes malfunctioning.

MAINTENANCE



WARNING

Do not fix the brake cable too tight as this can make the brake malfunction, and therefore lower down the brake performance.

Periodic Maintenance Chart

It is necessary to check periodically for proper performance and safe operation.

WARNING

Before maintenance, make sure that the main switch is off and the handbrake is on. Your local dealer or qualified technician will be responsible for this.

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(Every2 Years)	1000 rounds 1000 hours 8000kms (Every 4	Page
	Charge	S	S	S	S	S	S	8-5
Pre-Operation	Clean Battery tops, for tightness of hold-downs 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
Every month	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
	Check electrolyte level		C	C	C	C	C	8-3/8-1
	Check for loose or broken connections		C	C	C	C	C	*
	Clean Lubricate Pedal control area		CL					*
	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	*
	Perform a discharge test				S	S	S	*
	protectant				S	S	S	*
	Check shoe lining thickness and rear axle beating play				C	C	C	*
Every year	Check steering knuckle bushing freeplay/Adjust wheel alignment				CA	CA	CA	*
	Check wheel not tightness front wheel bearing play				C	C	C	8-9/*
	Check gear box oil level and leakage				C	C	C	8-8
Every 4 month	Check operation and adjust pedal stop if necessary				CA	CA	CA	*
	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

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 is 25psi (3 kgf/cm³);
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 cables in case of long storage

CAUTION _____

Cleaning products are forbidden to put into battery cells

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

WARRANTY AND AFTER-SALE 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 cart from us.

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

Objects & Content

After a cart is delivered from our factory

1. We will perform free repair service as per our standard warranty
2. Please contact us for universal parts, like tires, seats, 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 out of 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-SALE 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.

1266/1268TROUBLESHOOTINGCHART

Ref	Description
1.1	HW FAILSAFE
1.2	THROTTLEFAULT1
1.3	SPEEDSENSORFAULT
1.4	HPD
1.5	MOTORSTALL
2.1	LOWBATTERYVOLTAGE
2.2	OVERVOLTAGE
2.3	THEMALCUTBACK
2.4	MAIN DRIVER ON
2.5	AUX COIL FAULT
3.1	MAIN DRIVER OFF
3.2	MAIN WELDED
3.3	PRECHARGEFAULT
3.4	FILED MISSING
3.5	AUX DRIVER OFF
4.1	CURRENT SENSOR FAULT
4.2	DRIVER OVER CURRENT
4.3	—SHORTTED
4.4	AUXRELAYDNC
4.5	WELDEDAUXRELAY
5.1	KEY SWITCH SRO
5.2	MAIN COIL OPEN
5.3	AUX DRIVER ON
5.4	CIRCUIT BRKR OPEN
5.5	MAIN DROPOUT