

B-Series Instruction Manual

preface

Dear User:

Thank you for choosing our electric vehicle!

This product is designed in accordance with the National Standard of the People's Republic of China, "General Technical Requirements for Non-Road Tourist Vehicles" GB/T 21268-2014. It incorporates advanced technologies from European and American countries, featuring excellent performance and a modern design. Key components are sourced either directly from imports or from specialized manufacturers; the paint uses premium automotive-grade baking paint, and the frame is constructed from high-strength materials welded together. This series offers advantages such as light overall weight, strong hill-climbing capability, zero environmental pollution, low noise levels, convenient charging, and superior braking performance, making it the most advanced, aesthetically pleasing, and cost-effective electric vehicle available in the industry today.

To help users use, maintain, and care for their vehicle properly, ensuring optimal performance

To achieve optimal performance and extend service life, this user manual has been specially prepared and must be read carefully. As our company continuously improves its products, **please refer to the actual vehicle specifications when there are any discrepancies between the vehicle and this manual.**

Important Notice: Any modifications you make to your electric vehicle, particularly those involving safety-critical systems such as electrical components, braking systems, or steering mechanisms, or the installation of additional equipment, may affect its mechanical performance, safety features, and service life. Such actions may also violate local government regulations. Our company assumes no liability for any direct or indirect losses resulting from unauthorized modifications or installations.

We welcome your valuable feedback regarding the quality of this electric vehicle and its after-sales service.

Note: This vehicle is designed primarily for leisure, tourism, and sightseeing purposes, and is suitable for use in designated areas such as tourist attractions, residential complexes, and pedestrian streets.

Important Manual Information

Highly important content will be distinguished using the following tags.



Security Warning: Be careful!
Stay alert! Your safety is at stake!

!WARNING

Failure to comply with these warnings may result in severe injuries or even fatalities to the user or passengers, individuals near the vehicle, as well as maintenance and inspection personnel.

CAUTION

This message contains specific information to prevent unnecessary damage to this vehicle.

explain :

This notice provides additional important information: our company will make periodic updates and improvements to the relevant vehicle models (components). Should any changes occur in this manual, we will not provide separate notifications. Your understanding is appreciated.

explain :

This manual has been prepared as comprehensively and meticulously as possible based on available materials, including textual content and graphical parameters. Our company reserves the right to modify this document without prior notice. For any inquiries regarding this manual, please contact our authorized representatives.

This manual shall be considered an integral part of the vehicle and must be included within it at the time of sale.

Before operating, please read and understand the contents of this manual carefully.

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IMPORTANT LABELS



Safety and Information Labels

WARNING

Before operating, carefully read the labels below, and promptly replace any labels that are damaged or missing.

①

Operating Essentials



- Before driving, read the label information and the operator's manual.
- Make sure all passengers are seated.
- Select forward or reverse.
- When starting, press the accelerator pedal; when stopping, press the brake pedal.
- Adjust your speed according to the terrain, visibility, and driving experience. Do not drive too fast. Be especially careful in crowded areas, when reversing, and on slippery surfaces.
- When switching between forward and reverse, be sure the vehicle has come to a complete stop first.
- While driving, do not press the brake pedal and accelerator pedal at the same time.

②

WARNING / AVERTISSEMENT



EXPLOSIVE GASES
Battery charging and operation can produce explosive gases. Keep sparks, flames, and smoking materials away. Ventilate well when charging or using batteries.



SULFURIC ACID
Batteries contain sulfuric acid, which can cause severe burns. Avoid contact with skin, eyes, or clothing. If contact occurs, flush immediately with plenty of water and seek medical attention.



ELECTRICAL SHORTS
Electrical shorts can result in burns. Do not make a connection between the positive and negative battery terminals.

③

WARNING

- Before driving, be sure to read the operating instructions near the steering wheel.
- Do not exceed the rated passenger capacity.
- Do not start the vehicle until all occupants are seated.
- Slow down when turning.
- On hills, slopes, or inclined surfaces, drive slowly and travel straight up or straight down.
- When leaving the vehicle, fully engage the parking brake.
- When not in use, turn off the main switch and remove the key.
- Keep hands and feet inside the vehicle while driving.

④

WARNING



Windshields do not provide protection from other flying objects.

Handling Safety

Precautions Before Operating This Vehicle:

1. Before operating, please carefully read this manual and the vehicle's safety guidelines.
2. Only authorized individuals may drive this vehicle in the designated area.
3. The number of passengers (including the driver) in this vehicle must not exceed the permitted limit.
4. Do not operate this vehicle when your vision or judgment is impaired due to alcohol or medication.



Precautions When Operating This Vehicle:

1. Individuals without valid driving qualifications are prohibited from operating this vehicle.
2. Keep the vehicle stationary; do not start it until all passengers are securely seated.
3. Keep both hands on the steering wheel and look straight ahead at the road.
4. This vehicle is not designed for road use; do not operate it on unauthorized roads.
5. Avoid sudden starts or abrupt stops;
6. Avoid overloading the vehicle to prevent reduced braking performance, damage to electrical components, and other safety hazards.
7. When driving at high speeds, do not turn the steering wheel abruptly.
8. Drive within the approved slope range.

Do not make any unauthorized modifications to the vehicle's components.

Handling Safety



- Keep both hands on the steering wheel and your eyes focused on the road ahead.
- Be extra cautious when reversing in busy areas; carefully observe your surroundings and retreat slowly.
- Avoid sudden starts or stops;
- Accelerate or decelerate according to road conditions;
- When driving at high speeds, avoid turning the steering wheel too abruptly.



- Do not make any modifications or additions to the vehicle's safe operation or passenger capacity, nor implement any changes that do not comply with this manual.

Vehicle Structure and Parameters



Vehicle Structure:

- | | | |
|----------------------|------------------------|--------------------|
| ① Canopy | ⑪ Rear Cover | ⑳ Front Wheel |
| ② Rear Fender | ⑫ Steering Wheel | ㉑ Rear Wheel |
| ③ Rearview Mirror | ⑬ Tire Valve | ㉒ Left Tail Light |
| ④ Front Windshield | ⑭ Combination Switch | ㉓ Rear Bumper |
| ⑤ Windshield Support | ⑮ Battery Gauge | ㉔ Right Tail Light |
| ⑥ Right Headlight | ⑯ Brake Pedal | |
| ⑦ Front Bumper | ⑰ Ignition Switch | |
| ⑧ Front Cover | ⑱ Forward/Reverse Gear | |
| ⑨ Left Headlight | ㉀ Accelerator Pedal | |
| ⑩ Side Trim | ㉁ Armrest | |

Vehicle Structure and Specifications (B2)

Standard Vehicle Configuration and Specification Table: (Specific configuration is subject to the contract)

	Electrical System	Controller	Inbol 3625
		Battery	Gel maintenance-free battery 12V*100Ah, 5 pcs, 6 pcs
		Motor	60V/3KW, 72V/3KW
		Charger	60V/72V 15A
		Electronic Accelerator	Hall accelerator 0-5V
Body Configuration	Front Windshield	Acrylic transparent glass	
	Roof	Automotive engineering injection-molded plastic	
	Seat	Ergonomic seat, leather upholstery	
	Floor	Rubber anti-slip mat	
	Rearview Mirror	One manual exterior rearview mirror on each side	
	Steering System	Dual rack-and-pinion steering system, automatic backlash compensation	
	Lighting & Signals	48V/12V-300W, headlights, turn signals, rear position lights, brake lights, horn, reverse buzzer	
	Body	Body covering parts are made of automotive PP injection molding	
	Frame	High-strength steel welded structure + electrophoretic anti-rust surface treatment	
	Dashboard	Molded plastic dashboard, battery gauge, ignition switch, combination switch, gear selector switch	
	Braking System	Four-wheel drum brakes + composite pedal parking brake	
	Front Axle & Suspension	Semi-floating suspension + cylindrical hydraulic shock absorbers	
	Rear Axle & Suspension	Integrated rear axle, rear axle ratio 12:1, high-strength leaf springs, floating type, cylindrical hydraulic dampers	
	Tire Specification	205/50-10	
	Rated Occupants	2 persons (including driver)	

1 Main Vehicle Technical Parameters

1.1 Overall Dimensions: L × W × H	2400*1200*1850mm
1.2 Wheelbase	1700mm
1.3 Curb Weight (including battery)	450kg
1.4 Rated Payload	170kg
1.5 Max Speed at Full Load	30km/h
1.6 Driving Range	80-100km (flat road)
1.7 Minimum Turning Radius	3.4m
1.8 Safe Gradeability	≤20%
1.9 Minimum Ground Clearance	150mm
1.10 Braking Distance	< 4.3m
1.11 Track Width (Front/Rear)	900mm/1000mm

2 Main Battery Technical Parameters

2.1 Battery Type	Gel maintenance-free battery
2.2 Capacity	100Ah
2.3 Nominal Voltage	60V

3 Main Motor Technical Parameters

3.1 Motor Type	AC motor
3.2 Rated Continuous Output Power	3KW
3.3 Rated Speed	3000r/min
3.4 Rated Voltage	60V
3.5 Rated Current	65A
3.6 Duty Rating	15min

Vehicle Structure & Specifications (B2+2)

Standard Vehicle Configuration & Specifications: (Actual configuration is subject to the contract)

		Electrical System	Controller	Inbol 3625
			Battery	Maintenance-free gel battery, 12V 100Ah, 5 pcs / 6 pcs
			Motor	60V / 3KW, 72V / 3KW
			Charger	60V / 72V 15A
			Electronic Accelerator	Hall-type accelerator, 0–5V
Vehicle Configuration	Windshield	Transparent acrylic windshield		
	Roof	Automotive engineering plastic, injection molded		
	Seats	Ergonomic seats, leather upholstery		
	Floor	Anti-slip rubber floor mat		
	Rearview Mirror	One manual exterior rearview mirror on each side		
	Steering System	Bidirectional rack-and-pinion steering system, automatic clearance compensation		
	Lighting & Signals	48V / 12V–300W front headlights, turn signals, rear position lights, brake lights, horn, reverse buzzer		
	Body	Body covering parts are made of automotive-grade PP by injection molding		
	Frame	High-strength steel tube welded structure, electrophoretic anti-rust surface treatment		
	Dashboard	Plastic molded dashboard, battery gauge, ignition switch, combination switch, gear switch, double-flash emergency switch		
	Brake System	Four-wheel drum brakes + combined pedal parking brake		
	Front Axle & Suspension	Semi-floating suspension + cylindrical hydraulic shock absorbers		
	Rear Axle & Suspension	Integral rear axle, rear axle speed ratio 12:1; high-strength leaf springs, floating type, cylindrical hydraulic dampers		
	Tire Specification	205/50–10		
	Rated Capacity (Persons)	4 persons (including driver)		
1 Main Technical Specifications of Vehicle				
1.1 Overall Dimensions: L × W × H		2800 × 1200 × 1850 mm		
1.2 Wheelbase		1700 mm		
1.3 Curb Weight (including battery)		470 kg		
1.4 Rated Load		340 kg		
1.5 Max Speed at Full Load		30 km/h		
1.6 Driving Range		80–100 km (flat road)		
1.7 Minimum Turning Radius		3.4 m		
1.8 Gradeability		≤ 20%		
1.9 Minimum Ground Clearance		150 mm		
1.10 Braking Distance		< 4.3 m		
1.11 Track Width (Front / Rear)		900 mm / 1000 mm		
2 Main Technical Specifications of Battery				
2.1 Battery Type		Maintenance-free gel battery		
2.2 Capacity		100 Ah		
2.3 Rated Voltage		60 V		
3 Main Technical Specifications of Motor				
3.1 Motor Type		AC motor		
3.2 Rated Continuous Output Power		3 KW		
3.3 Rated Speed		3000 r/min		
3.4 Rated Voltage		60 V		
3.5 Rated Current		65 A		
3.6 Rating		15 min		

Vehicle Structure and Specifications (B4)

Standard Vehicle Configuration and Specification Table: (Specific configuration is subject to the contract)

		Electrical System	Controller	Inbol 3625
			Battery	Gel maintenance-free battery 12V*100Ah, 5 pcs, 6 pcs
			Motor	60V/3.5KW, 72V/3.5KW
			Charger	60V/72V 15A
			Electronic Accelerator	Hall accelerator 0-5V
Body Configuration	Front Windshield	Acrylic transparent glass		
	Roof	Automotive engineering injection-molded plastic		
	Seat	Ergonomic seat, leather upholstery		
	Floor	Rubber anti-slip mat		
	Rearview Mirror	One manual exterior rearview mirror on each side		
	Steering System	Dual rack-and-pinion steering system, automatic backlash compensation		
	Lighting & Signals	48V/12V-300W, headlights, turn signals, rear position lights, brake lights, horn, reverse buzzer		
	Body	Body covering parts are made of automotive PP injection molding		
	Frame	High-strength steel tube welded structure + electrophoretic anti-rust surface treatment		
	Dashboard	Molded plastic dashboard, battery gauge, ignition switch, combination switch, gear selector switch, hazard warning switch		
	Braking System	Four-wheel drum brakes + composite pedal parking brake		
	Front Axle & Suspension	Semi-floating suspension + cylindrical hydraulic shock absorbers		
	Rear Axle & Suspension	Integrated rear axle, rear axle ratio 12:1, high-strength leaf springs, floating type, cylindrical hydraulic dampers		
	Tire Specification	205/50-10		
	Rated Occupants	4 persons (including driver)		
1 Main Vehicle Technical Parameters				
1.1 Overall Dimensions: L × W × H		3100*1200*1850mm		
1.2 Wheelbase		2400mm		
1.3 Curb Weight (including battery)		510kg		
1.4 Rated Payload		340kg		
1.5 Max Speed at Full Load		30km/h		
1.6 Driving Range		80-100km (flat road)		
1.7 Minimum Turning Radius		4.5m		
1.8 Safe Gradeability		≤20%		
1.9 Minimum Ground Clearance		150mm		
1.10 Braking Distance		< 4.3m		
1.11 Track Width (Front/Rear)		900mm/1000mm		
2 Main Battery Technical Parameters				
2.1 Battery Type		Gel maintenance-free battery		
2.2 Capacity		100Ah		
2.3 Nominal Voltage		60V		
3 Main Motor Technical Parameters				
3.1 Motor Type		AC motor		
3.2 Rated Continuous Output Power		3.5KW		
3.3 Rated Speed		3000r/min		
3.4 Rated Voltage		60V		
3.5 Rated Current		72A		
3.6 Duty Rating		15min		

Vehicle Structure & Specifications (B4+2)

Standard Vehicle Configuration & Specifications: (Actual configuration is subject to the contract)

		Electrical System	Controller	Inbol 3625
			Battery	Maintenance-free gel battery, 12V 100Ah, 5 pcs / 6 pcs
			Motor	60V / 3.5KW, 72V / 3.5KW
			Charger	60V / 72V 15A
			Electronic Accelerator	Hall-type accelerator, 0–5V
Vehicle Configuration	Windshield	Transparent acrylic windshield		
	Roof	Automotive engineering plastic, injection molded		
	Seats	Ergonomic seats, leather upholstery		
	Floor	Anti-slip rubber floor mat		
	Rearview Mirror	One manual exterior rearview mirror on each side		
	Steering System	Bidirectional rack-and-pinion steering system, automatic clearance compensation		
	Lighting & Signals	48V / 12V–300W front headlights, turn signals, rear position lights, brake lights, horn, reverse buzzer		
	Body	Body covering parts are made of automotive-grade PP by injection molding		
	Frame	High-strength steel tube welded structure, electrophoretic anti-rust surface treatment		
	Dashboard	Plastic molded dashboard, battery gauge, ignition switch, combination switch, gear switch, double-flash emergency switch		
	Brake System	Four-wheel drum brakes + combined pedal parking brake		
	Front Axle & Suspension	Semi-floating suspension + cylindrical hydraulic shock absorbers		
	Rear Axle & Suspension	Integral rear axle, rear axle speed ratio 12:1; high-strength leaf springs, floating type, cylindrical hydraulic dampers		
	Tire Specification	205/50–10		
Rated Capacity (Persons)	6 persons (including driver)			
1 Main Technical Specifications of Vehicle				
1.1 Overall Dimensions: L × W × H		3500 × 1200 × 1850 mm		
1.2 Wheelbase		2400 mm		
1.3 Curb Weight (including battery)		530 kg		
1.4 Rated Load		510 kg		
1.5 Max Speed at Full Load		30 km/h		
1.6 Driving Range		80–100 km (flat road)		
1.7 Minimum Turning Radius		4.5 m		
1.8 Gradeability		≤ 20%		
1.9 Minimum Ground Clearance		150 mm		
1.10 Braking Distance		< 4.3 m		
1.11 Track Width (Front / Rear)		900 mm / 1000 mm		
2 Main Technical Specifications of Battery				
2.1 Battery Type		Maintenance-free gel battery		
2.2 Capacity		100 Ah		
2.3 Rated Voltage		60 V		
3 Main Technical Specifications of Motor				
3.1 Motor Type		AC motor		
3.2 Rated Continuous Output Power		3.5 KW		
3.3 Rated Speed		3000 r/min		
3.4 Rated Voltage		60 V		
3.5 Rated Current		72 A		
3.6 Rating		15 min		

Vehicle Structure and Specifications (B6)

Standard Vehicle Configuration and Specification Table: (Specific configuration is subject to the contract)

	Electrical System	Controller	Inbol 3625
		Battery	Gel maintenance-free 12V100Ah, 5 pcs, 6 pcs
		Motor	60V/3.5KW, 72V/3.5KW
		Charger	60V/70V 15A
		Electronic Accelerator	Hall accelerator 0-5V
Body Configuration	Front Windshield	Acrylic transparent glass	
	Roof	Automotive engineering injection-molded plastic	
	Seat	Ergonomic seat, leather upholstery	
	Floor	Rubber anti-slip mat	
	Rearview Mirror	One manual exterior rearview mirror on each side	
	Steering System	Dual rack-and-pinion steering system, automatic backlash compensation	
	Lighting & Signals	48V/12V-300W, headlights, turn signals, rear position lights, brake lights, horn, reverse buzzer	
	Body	Body covering parts are made of automotive PP injection molding	
	Frame	High-strength steel welded structure + electrophoretic anti-rust surface treatment	
	Dashboard	Molded plastic dashboard, battery gauge, ignition switch, combination switch, gear selector switch, hazard warning switch	
	Braking System	Four-wheel drum brakes + composite pedal parking brake	
	Front Axle & Suspension	Semi-floating suspension + cylindrical hydraulic shock absorbers	
	Rear Axle & Suspension	Integrated rear axle, rear axle ratio 12:1, high-strength leaf springs, floating type, cylindrical hydraulic dampers	
	Tire Specification	205/50-10	
	Rated Occupants	6 persons (including driver)	

1 Main Vehicle Technical Parameters

1.1 Overall Dimensions: L × W × H	3900*1200*1850mm
1.2 Wheelbase	3100mm
1.3 Curb Weight (including battery)	590kg
1.4 Rated Payload	510kg
1.5 Max Speed at Full Load	30km/h
1.6 Driving Range	80-100km (flat road)
1.7 Minimum Turning Radius	5.6m
1.8 Safe Gradeability	≤ 20%
1.9 Minimum Ground Clearance	150mm
1.10 Braking Distance	< 4.5m
1.11 Track Width (Front/Rear)	900mm/1000mm

2 Main Battery Technical Parameters

2.1 Battery Type	Gel maintenance-free battery
2.2 Capacity	100Ah
2.3 Nominal Voltage	60V

3 Main Motor Technical Parameters

3.1 Motor Type	AC motor
3.2 Rated Continuous Output Power	3.5KW
3.3 Rated Speed	3000r/min
3.4 Rated Voltage	60V
3.5 Rated Current	72A
3.6 Duty Rating	15min

Vehicle Structure & Specifications (B6+2)

Standard Vehicle Configuration & Specifications: (Actual configuration is subject to the contract)

	Electrical System	Controller	Inbol 3526
		Battery	Maintenance-free gel battery, 12V 100Ah, 5 pcs / 6 pcs
		Motor	60V / 4KW, 72V / 4KW
		Charger	60V / 72V 15A
		Electronic Accelerator	Hall-type accelerator, 0-5V
Vehicle Configuration	Windshield	Transparent acrylic windshield	
	Roof	Automotive engineering plastic, injection molded	
	Seats	Ergonomic seats, leather upholstery	
	Floor	Anti-slip rubber floor mat	
	Rearview Mirror	One manual exterior rearview mirror on each side	
	Steering System	Bidirectional rack-and-pinion steering system, automatic clearance compensation	
	Lighting & Signals	48V / 12V-300W front headlights, turn signals, rear position lights, brake lights, horn, reverse buzzer	
	Body	Body covering parts are made of automotive-grade PP by injection molding	
	Frame	High-strength steel tube welded structure + electrophoretic anti-rust surface treatment	
	Dashboard	Plastic molded dashboard, battery gauge, ignition switch, combination switch, gear switch, double-flash emergency switch	
	Brake System	Four-wheel drum brakes + combined pedal parking brake	
	Front Axle & Suspension	Semi-floating suspension + cylindrical hydraulic shock absorbers	
	Rear Axle & Suspension	Integral rear axle, rear axle speed ratio 12:1; high-strength leaf springs, floating type, cylindrical hydraulic dampers	
	Tire Specification	205/50-10	
	Rated Capacity (Persons)	8 persons (including driver)	
1 Main Technical Specifications of Vehicle			
1.1 Overall Dimensions: L × W × H		4300 × 1200 × 1850 mm	
1.2 Wheelbase		3100 mm	
1.3 Curb Weight (including battery)		610 kg	
1.4 Rated Load		680 kg	
1.5 Max Speed at Full Load		30 km/h	
1.6 Driving Range		80-100 km (flat road)	
1.7 Minimum Turning Radius		6.6 m	
1.8 Gradeability		≤ 20%	
1.9 Minimum Ground Clearance		150 mm	
1.10 Braking Distance		< 4.5 m	
1.11 Track Width (Front / Rear)		900 mm / 1000 mm	
2 Main Technical Specifications of Battery			
2.1 Battery Type		Maintenance-free gel battery	
2.2 Capacity		100 Ah	
2.3 Rated Voltage		60 V	
3 Main Technical Specifications of Motor			
3.1 Motor Type		AC motor	
3.2 Rated Continuous Output Power		3.5 KW	
3.3 Rated Speed		3000 r/min	
3.4 Rated Voltage		60 V	
3.5 Rated Current		72 A	
3.6 Rating		15 min	

Operation and Control



Turn on the Power Switch:

1. To turn on the vehicle's power supply, move the power switch lever upward to the "RUN" position.
2. To turn off the vehicle's power supply, pull the power switch lever down to the "OFF" position.



Electric Lock Switch:

1. Align the electric lock key with the lock slot and insert it vertically; then rotate the key to the right to open the lock (Note: Before opening, set both front and rear locks to the middle position).
2. Turn the electric lock key to the left to close it; the key can only be removed at this point.



Front/Back Switch:

Operate the forward/reverse gear switches according to your driving needs: turn them upward for forward gear, downward for reverse gear, and in between for stop mode. When selecting reverse gear, a warning buzzer will sound.



When shifting gears forward or backward, the vehicle must be fully stopped before proceeding. First, set the gear selector to the neutral position and hold it for 2 seconds, then select either forward or reverse gear. Avoid abrupt gear shifts to ensure safety and prevent vehicle damage.

Operation and Control



Coulombmeter :

The battery level indicator shows the remaining charge and reminds users to recharge the battery promptly. When fully charged, it displays a full bar.

1. During operation, the battery level displayed on the meter decreases correspondingly as the battery charge declines.
2. When the battery level reaches the critical alarm threshold, it is displayed with alternating displays in the first and second columns.
3. When the battery level enters the low-power alarm state, the first cell from the left flashes.
4. When a low battery warning appears, charge the device promptly; continuing to drive may damage the battery.



Combination Switch :

Turn Signal Lights, Headlights, Horn



Brake Pedal :

When decelerating while driving, place your right foot on the brake pedal and press it to slow down the vehicle until it stops.

Note: Avoid sudden braking whenever possible!



Accelerator Pedal :

Turn on the ignition lock, select the desired gear, release the brake, place your right foot on the accelerator pedal, and slowly press it to start moving. Do not accelerate too abruptly!

Preparation Before Operation

Check the vehicle before each use.
Develop a good habit.



Before Performing the Operation Check, Please Ensure the Device Is Started

The key has been removed to prevent accidental activation. Ensure the parking function is locked to avoid moving it.

Pre-Operation Checklist:

Check the Following Before Each Use:

- ✓ Battery ✓
- Tire condition ✓
- Steering system
- ✓ Reverse warning light ✓
- Pedal operation
- ✓ Body and chassis **Сидень**

Enable the seat for inspection and maintenance.

Body and Chassis

Before each use, carefully inspect the body and chassis for any damage or missing components.

Preparation Before Operation

Cell

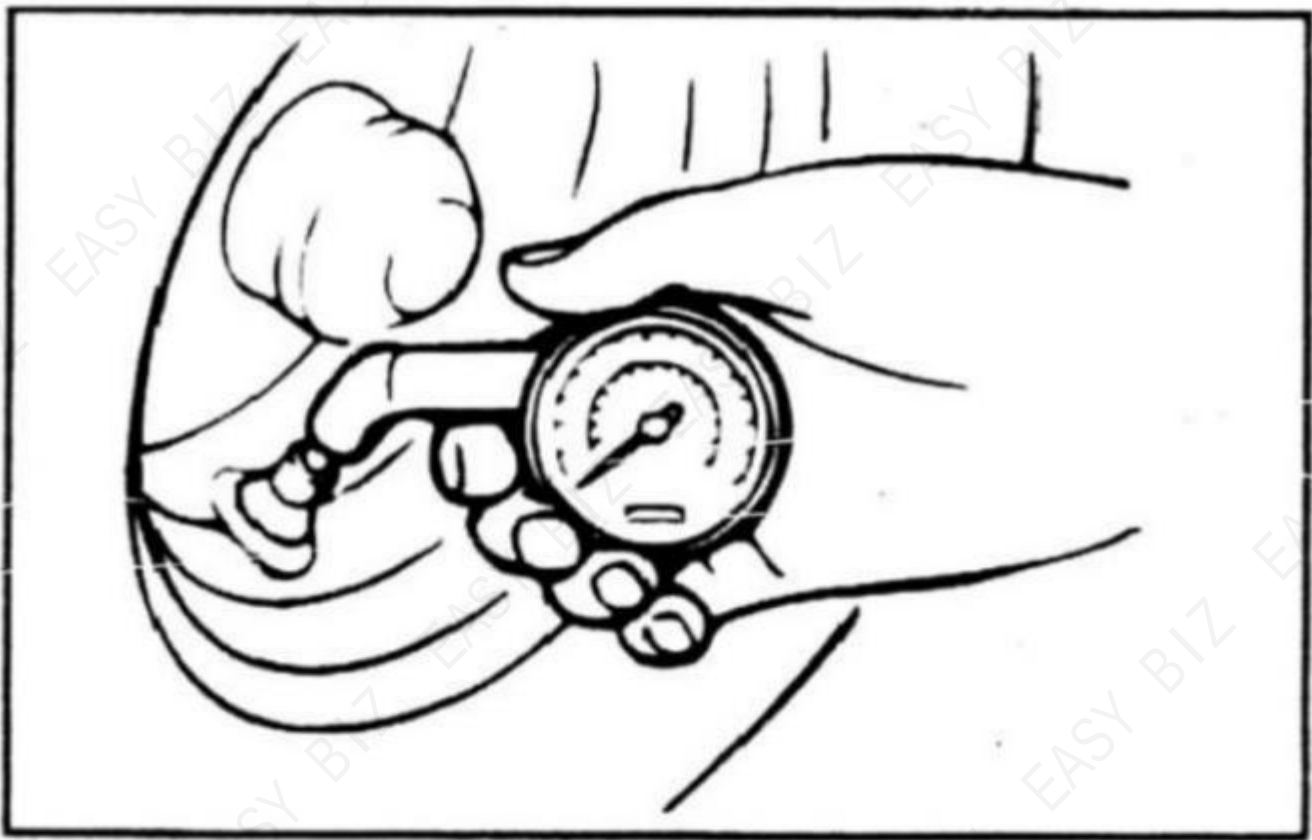
For detailed charging procedures, see Chapter 6: Maintenance.

Check that the battery is securely positioned to prevent damage from vibration. Check for missing battery caps to prevent leakage of acidic liquid. Check for corrosion on the terminals.

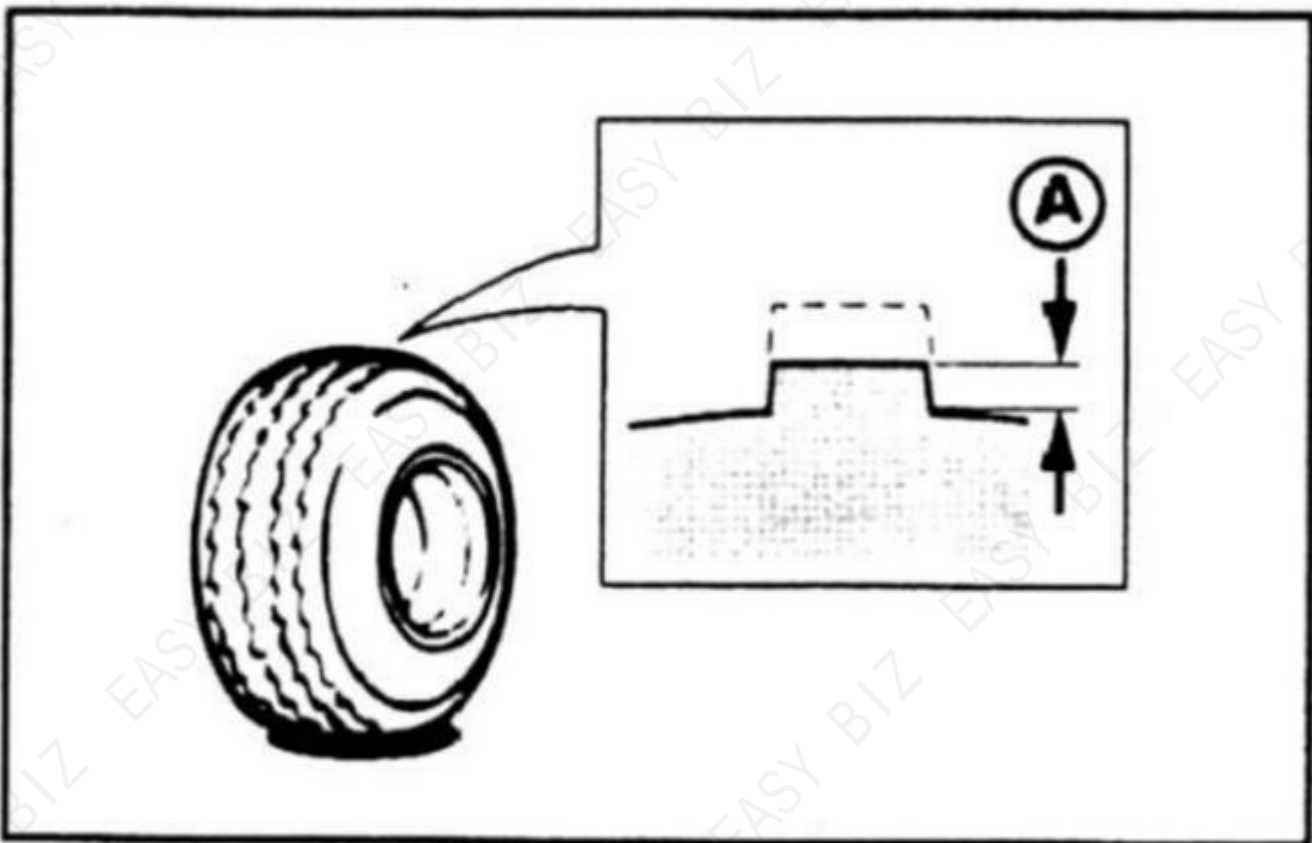
Tire Condition

Tire Pressure

Check the tire pressure before use.



Tire pressure range:
0. 24MPa



Tire wear limit

Check the tire surface for damage, cracks, or any foreign objects. Replace the tire immediately if the tread depth falls below 0.04 inches (1 mm).

A wear limit

PRE-OPERATION PREPARATION



Steering System

Check whether the steering system has excessive free play:

- Move the steering wheel up and down, and forward and backward;
- Turn the steering wheel gently to the left and right.

If you find excessive free play or hear any abnormal noise, it indicates that some parts may have a problem. Please contact your dealer immediately.

Reverse Warning

Shift the direction selector switch to reverse and check the reverse warning alarm.



Pedal Operation

Check whether the following pedals operate normally. If any pedal does not operate properly, please contact your dealer.

Brake Pedal

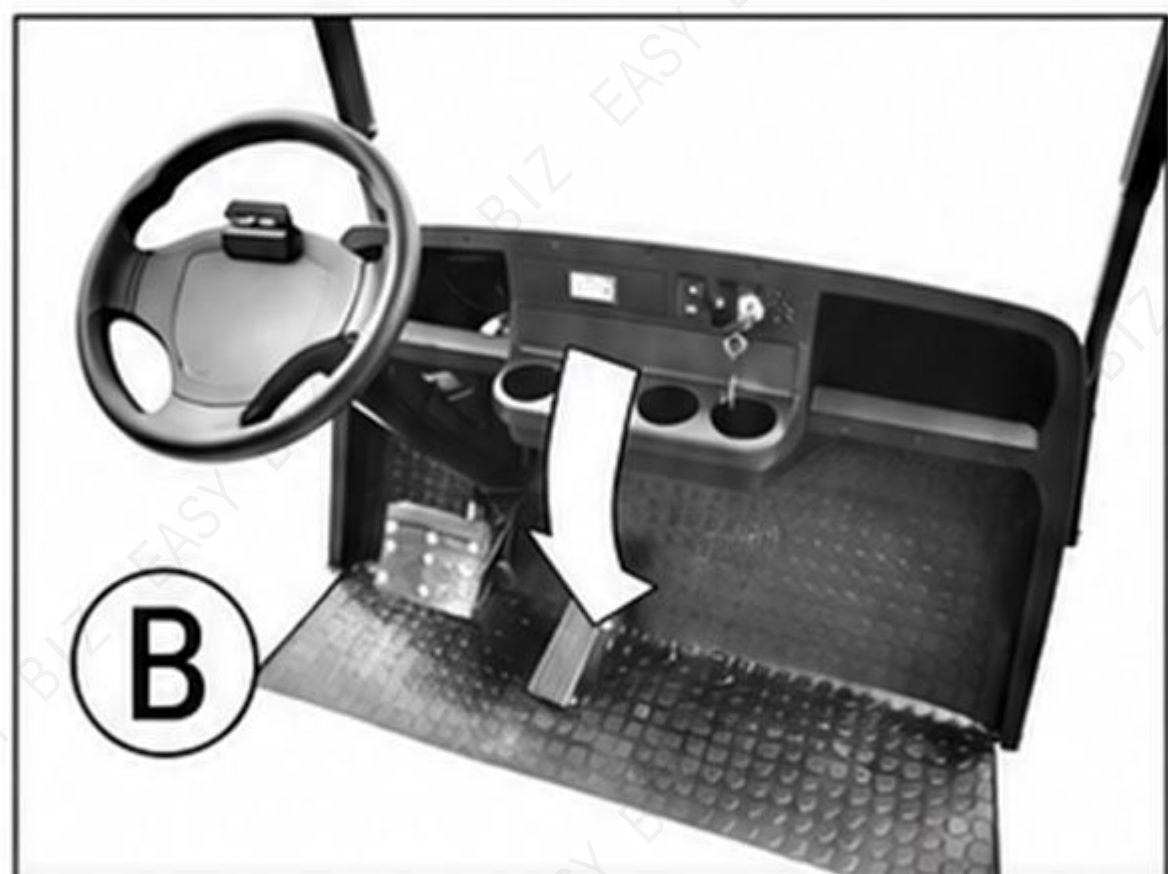
Make sure the brake pedal feels firm when depressed and returns to its original position when released.

(A) Brake Pedal

Accelerator Pedal

Check that the accelerator pedal operates smoothly and reliably, and that it returns smoothly after being depressed.

(B) Accelerator Pedal



⚠ WARNING

Before checking the accelerator pedal, make sure the main switch is turned off.

Take Good Care of One's Health

Battery Charging

 **WARNING**

Before charging, carefully read the charger manual and vehicle manual.

 **WARNING**

During charging, the battery releases hydrogen gas; therefore, charging should only be performed in areas with adequate air circulation (the manufacturer recommends charging only in locations with five air exchanges per hour).

Follow the charger manual instructions to charge the battery.

Below is a summary of the charging steps. **Do not attempt charging without carefully reading and understanding the instructions in the manual.**

Only connect the charger to the vehicle's charging socket as instructed in the manual. Do not directly connect AC power to this vehicle.

CAUTION Use only the charger designed specifically for this vehicle. Read and understand all contents of this manual carefully.

 **WARNING**

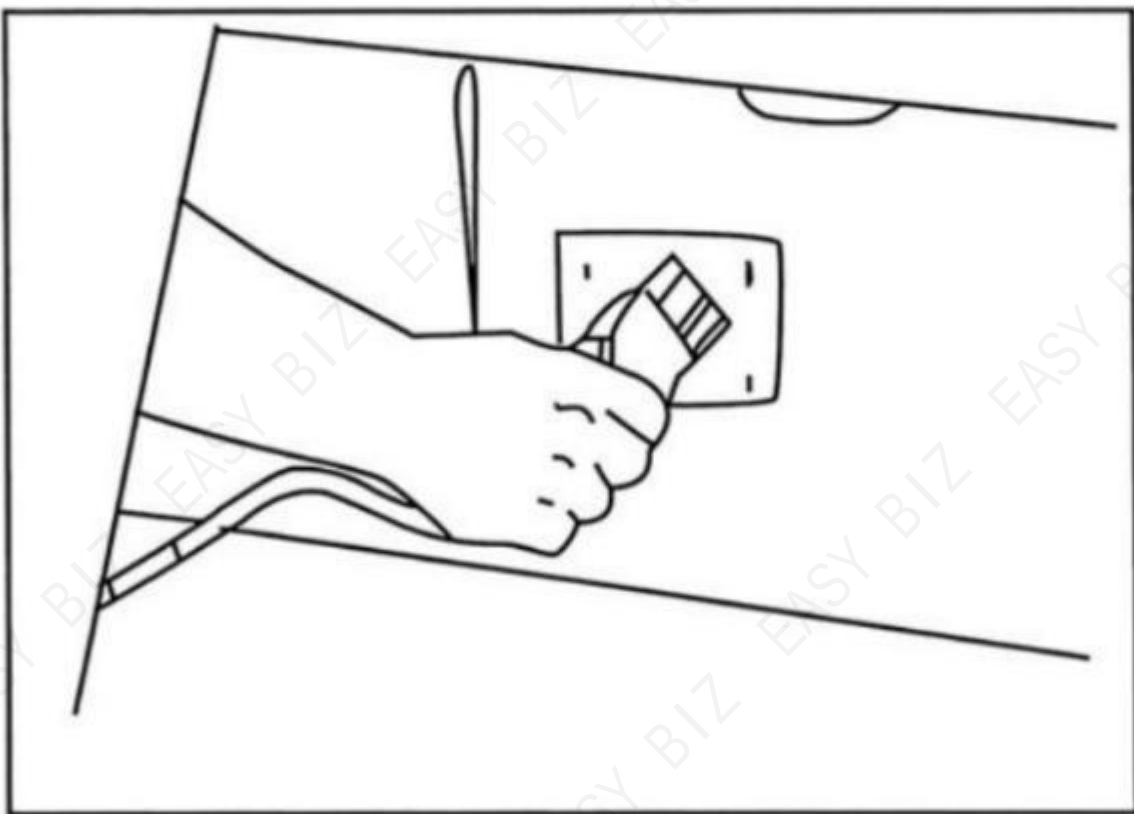
Do not remove the AC plug while the charger is charging the battery, as this may cause abnormal operation of the charger or damage its components.

- 3. The charger will turn off automatically when the battery is fully charged.
- 4. When the charging function is activated, remove the plug directly from the vehicle body.

Battery Installation

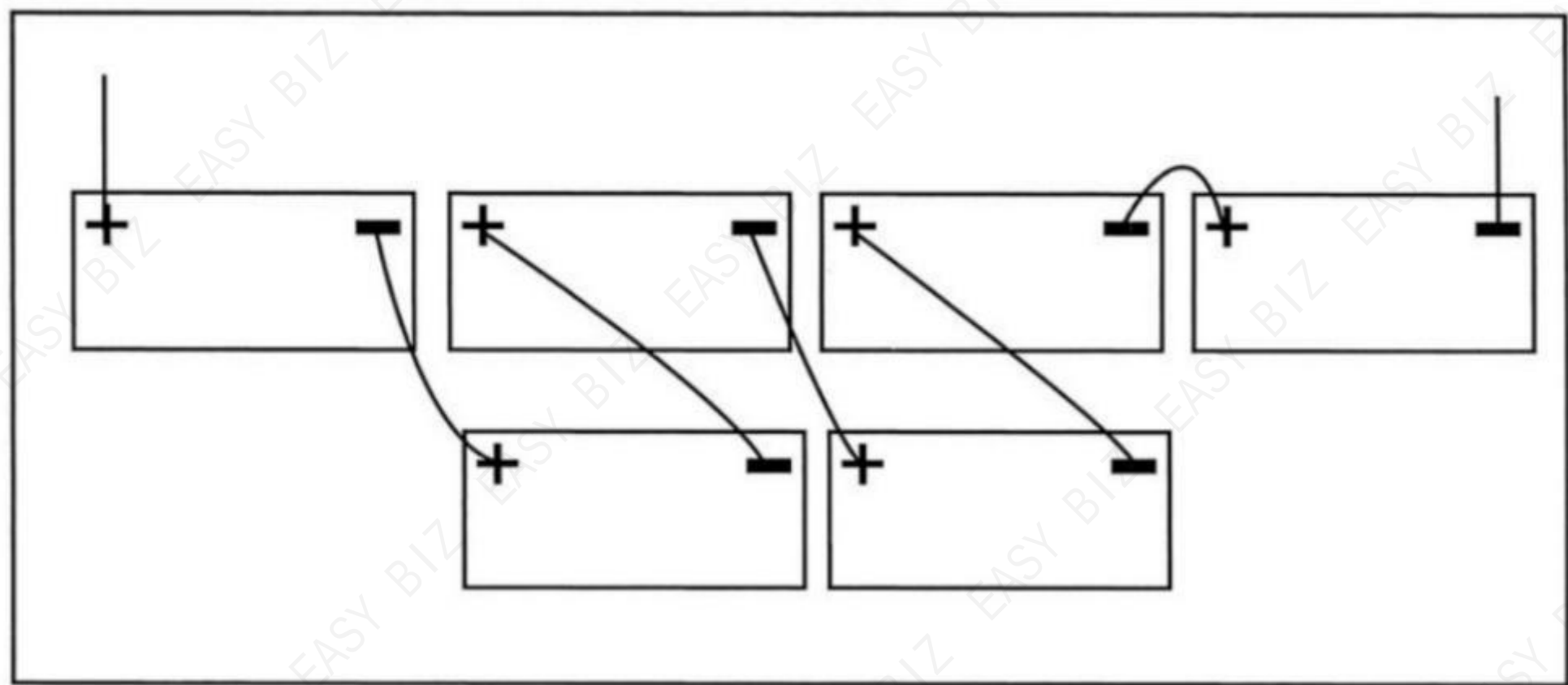
 **WARNING**

When installing a battery, do not place metal tools such as pliers across the electrodes, as this may cause the battery to explode or generate sparks from high current that could endanger personal safety.



Take Good Care of One's Health

2. Connect the Wires as Shown in the Diagram.



警告

When Installing the Battery:

Handle the power cord carefully and hang it vertically, ensuring it does not cross between the two terminals. When disassembling, first remove the positive terminal (+) of the motor controller from the battery pack's (+) terminal; install it last when reassembling. Never tighten the nut excessively, as this may damage the battery housing and connection terminals.

Take Good Care of One's Health

Check the gearbox lubricating oil: **Gear Oil**

1. Place the vehicle in a horizontal position;
2. Open the seat cushion;
3. Remove the horizontal cover of the gearbox;
4. Add gear oil slowly until it reaches the opening.

Recommended for use:
SAE 90 Gear Oil
Gearbox Capacity:
0.4L

5. Allow excess gear oil to drain until it stops; do not allow other materials into the gearbox.

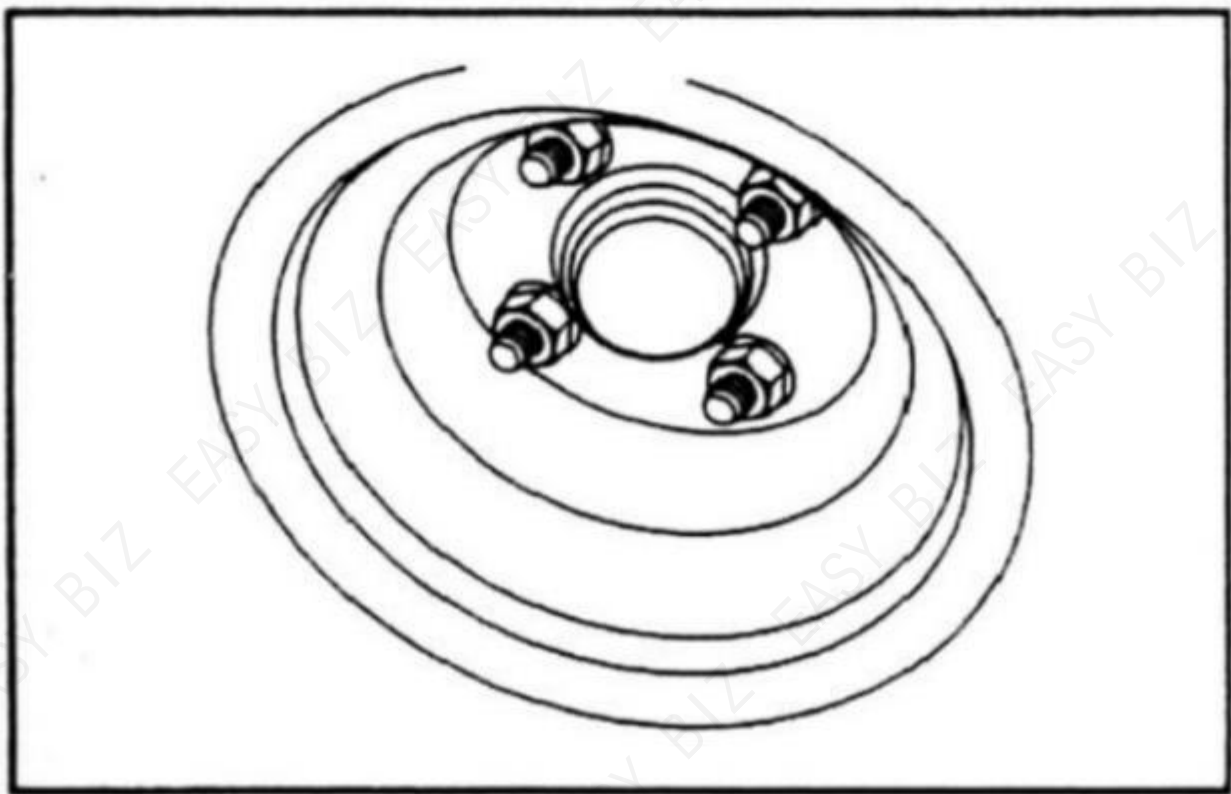
explain : ____For replacing gear oil or brake fluid, please contact your authorized dealer or a qualified technician.

Take Good Care of One's Health

CAUTION

Before repairing a tire or brake caliper, make sure to turn off the main switch.

Change the Tire



Disassemble and install the tire:

1. Use any object to block the vehicle and keep it stationary. Loosen the screw.
2. Use a jack to raise the vehicle and remove the tire and screws.
3. Use the reverse steps during installation.

Tire nut tightening torque:

105N·M-120N·M

Brake Adjustment

Before operating this vehicle, press the brake pedal several times to ensure it functions properly.

Brake fluid should be replaced every two years or 50,000 kilometers. The recommended brake fluid model is DOT3; it must not be mixed with other types of brake fluid.



WARNING

If you suspect a brake issue, contact your dealer before use. Brake failure can lead to serious accidents.

Take Good Care of One's Health

The Braking System Can Be Freely Adjusted.

CAUTION — Before adjusting the brakes, press the brake pedal several times to set the brake clearance.

When adjusting the brake pedal travel:

- 1. Remove the Inspection Cover Plate on the Accelerator Brake Pedal;
- 2. Use two fingers (press gently) to count on the foot.

Distance until the assist is felt;

Brake pedal travel:
85–95 mm (3.35–3.74 inches)



Never release the brake oil hose, as it may cause air leakage, impair proper brake adjustment, and ultimately reduce braking performance.

Regular Maintenance Chart

Regular inspections are essential to achieve optimal performance and ensure safe operation.



Before maintenance, ensure the main switch is turned off. If you are not familiar with this vehicle, the task should be performed by an authorized dealer or qualified technician.

MAINTENANCE

C = Inspect CA = Inspect and Adjust R = Replace S = Service CL = Clean and Lubricate L = Lubricate

	Remarks	Before Operation	Monthly 20 cycles 20 hours 100 miles 160 km	Every 6 Months 125 cycles 125 hours 600 miles 1000 km	Every Year 250 cycles 250 hours 1200 miles 2000 km	Every 2 Years 500 cycles 500 hours 2500 miles 4000 km	Every 4 Years 1000 cycles 1000 hours 5000 miles 8000 km	Page
Before Operation	Charging	S	S	S	S	S	S	8-5
	Clean around the battery; check screw tightness	S	S	S	S	S	S	8-3/6-2
Monthly	Check brakes	C	CA	CA	CA	CA	CA	8-9/8-10
	Check steering system	C	C	C	C	C	C	6-3
	Check tire pressure, tread, and surface damage	C	CA	CA	CA	CA	CA	6-2
	Check body and chassis	C	C	C	C	C	C	6-4
	Check screw tightness	C	C	C	C	C	C	*
	Check reverse warning buzzer	C	C	C	C	C	C	6-3
	Check electrolyte level		C	C	C	C	C	8-3/8-4
	Check contact points for damage		C	C	C	C	C	*
	Clean and lubricate pedal control points		CL					*
Every 6 Months	Check insulation for cracks or damage			C	C	C	C	*
	Check shock absorbers for oil leaks and spring damage			C	C	C	C	*
Every Year	Perform discharge test				S	S	S	*
	Apply terminal protectant				S	S	S	*
	Check brake lining thickness and rear axle				C	C	C	*
	Check steering play and adjust wheels				CA	CA	CA	*
	Check wheel nut tightness and front wheel bearings				C	C	C	8-9/*
	Check transaxle gear oil level and leaks				C	C	C	8-8
	Check and adjust brakes				CA	CA	CA	*
Every 4 Years	Replace transaxle gear oil						R	*
	Check for lubricant leaks and adjust the transaxle if necessary						CA	8-8

If no page reference is given, the work should be performed by an authorized dealer or qualified technician.

These procedures are not included in this manual. They are covered in the service manual.

Storage

If you plan to store this vehicle for an extended period, please prepare the following:

Note____ Set the power switch to "OFF", remove the key, and store it in a secure location.

Body Preparation

1. Check whether the tire pressure meets 0.24 MPa;
2. Clean the vehicle body using rust preventive oil.
3. Cover the vehicle with a cloth and store it in a dry, well-ventilated area.

Battery Preparation

1. Charge and check the battery level at least once per month.
Unplug the battery cable when storing for an extended period.

CAUTION

Do not allow detergent to enter the battery interior.

2. Clean the battery surface with baking soda solution to prevent corrosion.

Vehicle Maintenance and After-Sales Service

To protect customer interests and ensure you receive excellent after-sales service when using our products, please read the following carefully:

Warranty Content, Scope, and Duration:

Warranty Content:

After purchasing the product from our authorized distributor, please carefully read the instruction manual and follow its instructions for proper use. During the warranty period, we guarantee repair or replacement of defective components due to material, manufacturing, or design defects.

Warranty Scope and Content:

From the date of manufacture until six months or 10,000 kilometers (whichever comes first), calculated from the vehicle purchase date.

1. Free repair services are provided in accordance with the "Regulations on Quality Warranty for Electric Vehicle Products of Dalu".
2. Wear-prone components such as tires, seat cushions, and backrests are not covered by warranty. If damage occurs during use, please contact the manufacturer.
3. In cases of widespread quality issues, our company will dispatch technical personnel to repair or recall defective products (both domestic and international).
4. After one year, paid services will be provided on a long-term basis.

The Following Situations Will Not Be Covered by Warranty Coverage Due to Quality Issues:

- 1 Not used according to the instructions;
- 2 Not repaired at a maintenance facility designated by the company;
3. After the warranty period has expired;
- 4 Not using the company's original factory parts;
5. Modifications made without the company's permission;
- 6 Used beyond the maximum load capacity;
7. Caused by force majeure factors such as typhoons, floods, earthquakes, or wars.

Vehicle Maintenance and After-Sales Service

8. Malfunctions caused by failure to commission this authorized service center for the electric vehicle.
9. Damages occurring to the vehicle during operation due to the user's failure to follow the usage instructions or perform required maintenance and care.
10. fair wear and tear .
11. Parts that the user has disassembled, modified, or repaired themselves.
12. No vehicle purchase invoice available.
13. No electric vehicle warranty registration form is provided, or the vehicle model, chassis number, and motor model listed on the form do not match the actual vehicle, or the information has been altered.
14. Parts that have suffered various faults or damage due to improper maintenance not carried out in accordance with this manual.
15. Exceeds the parts warranty coverage; warranty period and mileage limits.

Various body panels, fuses, exterior plastic components, vehicle paint, interior trim, rearview mirrors, and consumable parts are not covered by the "Three Guarantees" policy.

Warranty Effect Date:

The purchaser must accurately complete the warranty card at the point of purchase, affix the official seal and sign it. Domestic customers should return it to our company; international customers should return it to the authorized distributor. The distributor must then enter the information into the company's designated form, send it via email to our company, and obtain confirmation of receipt before the warranty becomes effective.

Special Statement:

Any damage to the product caused by improper use of our products in violation of the instructions shall not be covered under the warranty for repair or replacement.

The manufacturer reserves the final right of interpretation for this manual.

Fault Comparison Table

Order number	Fault Name	Alarm Method	Possible causes and recommended solutions
1	High-definition mode is prohibited	Long Cry	When you press the accelerator to turn on the key, the accelerator may have a signal output; or the accelerator connector may be poorly connected; or there may be an wiring error in the accelerator; or the accelerator signal may not match the controller.
2	Ignition failure	One long and two short	Controller ignition failed. Turn off the key and turn it back on.
3	Overcurrent	One long and three short	The motor main wiring has a short circuit, is loose, or exhibits abnormal encoder signals. It is recommended to check the motor wiring and encoder signals for normal operation.
4	Controller overheating	One long and four short	It is recommended to park and allow the vehicle to cool down.
5	Relay lost	One long and five short ones.	The internal relay in the controller is not engaged, or the B+ terminal is not securely connected to the battery's positive terminal. Check that the voltage between B+ and B-matches the battery voltage.
6	Current measurement failure	One long and six short ones.	Malfunction of the internal current detector in the controller; return to the manufacturer is recommended.
7	Excessive speed fault	One long and seven short.	The controller needs to be restarted because the vehicle speed exceeds the maximum set speed by 20%.
8	Lithium battery BMS failure	One long and eight short	This fault is specific to lithium-ion battery systems and is caused by malfunctions in the lithium battery or its management system. It is recommended to inspect either the lithium battery or the BMS.
9	Battery under voltage	One long and nine short.	It is recommended to check the battery pack voltage.
10	Battery overvoltage	One long and ten short.	It is recommended to check the battery pack voltage.
11	Motor overheating	One long and eleven short. ...	Check the motor temperature: If it is overheated, stop the machine to cool it down; if the motor is not hot, check the wiring of the motor temperature sensor.
12	Accelerator failure	One long and twelve short.	Three factors can cause this fault: (1) No lock signal (LOCK) output from the accelerator when pressed; (2) Acceleration signal output exceeding 0.5 V even when not pressed; (3) Accelerator output signal exceeding 4.8 V. It is recommended to verify that both the accelerator output signal and the switch signal fall within normal ranges.

"Three Guarantees" Implementation Card

One-Tier User Retention

Name of the vehicle buyer		The employer of the vehicle purchaser or the residential property owner		Contact number	
Car Purchase Date		Vehicle Sales Agency			
Date of manufacture		VIN		Motor Number	

Before purchasing the vehicle, please carefully inspect: whether the exterior is in good condition; whether all tools, accessories, and accompanying documents are complete; and whether the technical condition meets the specifications in the user manual. Complete the "three guarantees" procedures (within three days) promptly after purchase; otherwise, the guarantees will not apply. Please ensure proper inspection and compliance with these requirements.

Car buyer's signature _____

Vehicle Seller's Signature _____

Seal of the sales entity

YTD

"Three Guarantees" Implementation Card

The Two Units Have Returned to the Factory.

Name of the vehicle buyer		The employer of the vehicle purchaser or the residential property owner		Contact number	
Car Purchase Date		Vehicle Sales Agency			
Date of manufacture		VIN		Motor Number	

Before purchasing the vehicle, please carefully inspect: whether the exterior is in good condition; whether all tools, accessories, and accompanying documents are complete; and whether the technical condition meets the specifications in the user manual. Complete the "three guarantees" procedures (within three days) promptly after purchase; otherwise, the guarantees will not apply. Please ensure proper inspection and compliance with these requirements.

Car buyer's signature _____

Vehicle Seller's Signature _____

Seal of the sales entity

YTD

"Three Guarantees" Implementation Card

To be retained by the Sanlian authorized service center or sales unit.

Name of the vehicle buyer		The employer of the vehicle purchaser or the residential property owner		Contact number	
Car Purchase Date		Vehicle Sales Agency			
Date of manufacture		VIN		Motor Number	

Before purchasing the vehicle, please carefully inspect: whether the exterior is in good condition; whether all tools, accessories, and accompanying documents are complete; and whether the technical condition meets the specifications in the user manual. Complete the "three guarantees" procedures (within three days) promptly after purchase; otherwise, the guarantees will not apply. Please ensure proper inspection and compliance with these requirements.

Car buyer's signature_____

Vehicle Seller's Signature_____

Seal of the sales entity

YTD

