Electric bicycle maintenance confirmation document

I. Maintenance Objectives

Ensure that the electric sightseeing vehicles used by your personnel can safely and smoothly perform their transportation support tasks.

II. Maintenance Target

Low-speed new energy vehicles .

Ⅲ、Maintenance requirements

Possess the technical skills for electric vehicle maintenance and repair of related parts; if you have any questions, please contact the manufacturer.

Ⅳ、Maintenance requirements

(I) Maintenance and upkeep contents and requirements

1. Maintenance and upkeep items:

A: Steering system maintenance and adjustment.

B: Inspection and replacement of lubricating oil in the rear axle main reducer and transmission.

C: Inspection of all components of the drive shaft.

D: The strength of the suspension system bolts.

E: Braking system inspection and adjustment.

F: Check the tightness of the tire bolts, tire inflation pressure, and tire tread wear.

2. Maintenance work checklist and requirements:

(1) Maintenance work list

Maintenance symbols: A = Check, adjustment required; I = Check, correct or replace if necessary; R = Replace; C = Cleaning and maintenance.

Maintenance items	Weekly (or 20 hours)	Monthly (or 80 hours)	Quarterly (or 250 hours)	Every six months (or 500 hours)	One year (or 1000 hours)
Free swing of the steering wheel			A		
Secure the ball joint nuts of the steering tie rod.			A		
Ball pins and moisture shield			I		
robust steering mechanism components and brackets			A		
Lubrication of each steering joint in the steering system			A	I	
Front wheel toe-in			A		

Rear axle main reducer lubricating oil				A	R
Transmission lubricant				A	R
Drive shaft connection bolt tightness			A		
Drive shaft + letter shaft bearing				I	
Wear of the spline shaft connecting the drive shaft				I	
front reducer with spring assembly rigidity			A		
Front suspension tie rod assembly rigidity			A		
front suspension component connection firmness			A		
Rear plate lifting lug spring sturdiness			A		
Rear leaf spring			A		

U-bolt tightness					
Brake fluid reservoir level		A			
Check for leaks in brake lines and joints.		I			
Brake friction pads and brake drum		I			
Service brake and parking brake performance		A			
Do tires wear out frequently?	A				
Tire tread wear		I			
Tire nut tightness		A			
Battery surface fluid condition		I			
Battery electrolyte density		I			
Battery terminal bolt tightness		A			
Cleaning of battery terminals and casing surfaces		I			
Check the tightness of all		A			

(2)

connecting wires of the motor and electronic control system					
Motor mounting bolts and nuts tightness				A	
Lights, horn, and windshield wiper operation		A			

Maintenance requirements

①Steering system maintenance and adjustment.

A. The steering system should be replenished with grease every six months, using No. 3 lithium-based grease.

B. The ball joint nuts connecting the steering tie rods should be checked and tightened every three months.

C. Check the dust covers of each tie rod joint for cracks every three months. If any are found, replace the dust covers immediately.

D. Check the tightness of all connecting bolts and brackets of the steering mechanism every three months.

E. Check the steering wheel free play every three months to ensure it is within 15°C.

F. Check the front tire toe-in every three months to see if it is within the standard range. The standard toe-in is 0±3mm.

② Lubrication inspection and replacement of the rear axle main reducer and transmission.

A. The rear axle oil level should be checked every six months. The oil level should not exceed 5mm from the bottom of the oil hole. If the oil level is low, hypoid gear oil, model GL-4ak or GL-5, with a viscosity of SAF90, should be added. The lubricating oil in the rear axle housing should be changed annually.

B. The methods and standards for checking the transmission fluid level and changing the lubricating oil are the same as those for the rear axle final drive.

C. The connecting bolts between the drive shaft and the rear axle should be checked and tightened every three months. The cross joint of the drive shaft should be checked every six months. The spline shaft connecting the drive shaft should be checked for wear and lubricated every six months. The lubricating oil type is No. 3 lubricating oil.

D. The bolts and nuts of the suspension system should be checked every three months, and tightened promptly if any loosening is found, including the front and rear suspensions.

③ Braking system repair, maintenance and upkeep

Check the brake fluid level monthly, marking the upper and lower limits. Inspect the brake lines for leaks, bubbles, damage, cracks, indentations, and corrosion; replace if any are found. Four-wheel maintenance includes brake pads, brake drums, and tire bearings.

④ Motor inspection and maintenance

Check the wear of the brushes every six months. If any one of the four brushes is less than 12mm in height (H), all brushes must be replaced. Check, clean, or replace the bearings every six months, and apply No. 3 lithium-based grease to the raceway after cleaning. Check the

motor connections monthly for tightness, and tighten any loose connections immediately. Clean the motor of dirt, dust, and carbon deposits every six months to ensure proper motor operation and heat dissipation.

⑤ Battery maintenance and upkeep

Check the battery terminal bolts for tightness every month, and promptly address any oxidation or corrosion on the terminal wires. The battery should always be kept clean and dry.

V. Annual Maintenance Parts List

Electric vehicle parts are listed in the table below:

Name	Model	Unit
Electronic control	3-11KW	set
motor	60 / 72V 3-11kw	set
charger	60/ 72v	tower
Side window glass	6088	piece
windshield	6088	piece
Battery	100A-200A	Only
Steering gear	6088	set
steering wheel	6088	indivual
Rear bumper	6088	indivual
Brake master cylinder	6088	indivual
Brake pedal assembly	6088	indivual
Fore horns	6088	indivual
Front wheel hub	6088	indivual
Central swing arm	6088	indivual
Half-shaft assembly	6088	indivual
accelerator	6088	indivual
contactor	48V/300A	indivual
contactor	72V-300A	indivual

contactor	72V/300A	indivual
commutator	48V/300A	G
shock absorbers	⌀ 13	indivual
tire	145/155	indivual
wiper motor	12V/50W	indivual
Digital Combination Instrument	6088	set
Brake drum	6088	indivual
brake	6088	indivual
charging plug	6088	indivual
DC converter	48V/12V/360W	set
DC converter	72V/12V/360W	set
rearview mirror	6088T	set
Rear axle assembly	6088	set
Rear axle main reduction	6088	set
Cab wiring harness assembly	6088	strip
Frame wiring harness assembly	6088	strip
Rear taillight assembly	6088	set
Front axle bracket	6088	set

Rooted in integrity, we achieve mutual success. We sincerely thank you again for your choice and trust.

——SHANDONG XINZHIHUI NEW MATERIALS CO., LTD