VCA Headquarters
1 The Eastgate Office Centre
Eastgate Road
Bristol, BS5 6XX
United Kingdom

Switchboard: +44 (0) 117 951 5151
Main Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
Web: www.dft.gov.uk/vca

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY
Whole Vehicle - issue letter

07 JULY 2015

Dear Sir / Madam,

Please find enclosed your issued Whole Vehicle approval document. Now that the approval has been formally issued you are able to prepare for vehicles built in full conformity with this approval to be presented for registration. Please be advised to check the national requirements of the country you are intending to register vehicles to establish the timeframe that they will work to once they are notified of the approvals existence.

If you believe that any changes are required to this approval please notify the issuing officer within 10 working days of receiving this approval.

Around twenty working days after the date of issue this approval will be made available to the other European Approval Authorities via a secure web-site. If any changes are required after the approval is loaded onto the web-site this would result in a formal update to the approval being required.

While the attached approval is valid at the time of issue the following has to be taken into consideration as to when the approval needs to be update to retain this validity:

- Conformity of Production must remain valid for the stated manufacturer and assembly plants and for the test standards required to issue this approval
- If any details on the following pages is changed, whether through a technical change to the production process, or through an administrative change (e.g. adding an additional commercial name or assembly plant) the approval would need to be updated
- If the legislation requires the test standards for this category of vehicle to alter and the related System and Component approvals and / or technical reports are updated, then, in most cases, this approval would require an update to incorporate the changes
- For a multi-stage approval an update to the previous stage(s) of the approval via an extension to the relevant Whole Vehicles would also result in an extension to this approval

Yours faithfully

D LAWLOR
Head of Technical Standards & Legislation

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING TYPE-APPROVAL [1] / ~~EXTENSION OF TYPE-APPROVAL~~ [1] / ~~REFUSAL OF TYPE-APPROVAL~~ [1] / ~~WITHDRAWAL OF TYPE-APPROVAL~~ [1] OF A TYPE OF VEHICLE WITH REGARD TO DIRECTIVE 2002/24/EC AS LAST AMENDED BY DIRECTIVE 2013/60/EU.

EC type-approval No: e11*2002/24*1891*00

Reason(s) for extension: Not applicable

0. GENERAL

0.1. Make(s) (trade name of the manufacturer): ZTECH,SUNRA,XINRI

0.2. Type: XR-V5

0.2.1. Commercial name(s): V5 Shadow, ZT-04

0.3. Means of identification of type, if marked on the vehicle: Vehicle Identification Number

0.3.1. Location of that marking: Refer to drawing No. XR-V5-16

0.4. Category [2]: L1e

0.5. Name and address of the vehicle manufacturer:

Jiangsu Xinri E-Vehicle Co.,Ltd.
No.501,Xishan Avenue,Xishan District,Wuxi City,
Jiangsu Province
PEOPLE'S REPUBLIC OF CHINA

0.5.1. Name(s) and address(es) of assembly plant(s): As 0.5 above

The undersigned hereby certifies the accuracy of the manufacturer's description in the attached information document of the vehicle type described above, for which one or several representative samples, selected by the competent approval authorities, has (have) been

Job No:CWQ316164

submitted as prototype(s) of the vehicle type and that the attached test results are applicable to the vehicle type.

The vehicle type meets / ~~does not meet~~ (1) the technical requirements of all relevant separate Directives (as last amended) listed in the table of Annex I to Directive 2002/24/EC.

The approval is GRANTED / ~~REFUSED / WITHDRAWN~~ (1)

Place: BRISTOL

Signature: 

D LAWLOR
Head of Technical Standards & Legislation

Date: 07 JULY 2015

Attachments:

Information document, Parts 1 and 2 (Annex II).

Test results (Annex VII).

Name(s) and specimen(s) of the signature of the persons authorised to sign the certificates of conformity and a statement of their position in the company.

A model certificate of conformity.

(1) Delete where not applicable

(2) According to the classification introduced in Article 1

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: e11*2002/24*1891*00

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: Not applicable

Total number of sheets: 42(Forty-Two)

Reasons for Revision: Not applicable ~~/ See manufacturer's documentation / See approval certificate~~

Revision date
&
Office stamp

CWQ316164

07-Jul-15
UK Approval Authority

VEHICLE CERTIFICATION AGENCY

ANNEX VII – TEST RESULTS

e11*2002/24*1891*00

(Article 5(1), first subparagraph)

(This sheet must be completed by the approval authority and be attached to the vehicle type approval certificate)

In each case, the information must make clear to which variant and version it is applicable.
One version may not have more than one result.

Note：Electric Moped doesn't conduct emissions and sound level tests.

1. Results of the sound level tests according to Directive 97/24/EC Chapter 9

Variant/version : Not applicable

Moving dB(A) :	N/A
Stationary dB(A) :	N/A
at (min^{-1}) :	N/A

2. Results of emission tests according to Directive 97/24/EC Chapter 5 Annex I, as amended by 2013/60/EU

Variant/version : Not applicable

Euro level([1]): N/A

2.1. Type I

CO (g/km) :	N/A
HC (g/km) ([3]) :	N/A
NOx (g/km) ([3]) :	N/A
HC + NOx (g/km) ([2]) :	N/A
CO_2([2]) :	N/A
Fuel consumption([2]) :	N/A

2.2 Type II

CO (g/min) ([2]) :	N/A
HC (g/min) ([2]) :	N/A
CO (% vol) ([3]) at normal idle speed :	N/A
Specify the idle speed ([3]) ([4]) :	N/A
CO (% vol) ([3])at high idle speed:	N/A
Specify the idle speed ([3]) ([4]) :	N/A
Engine oil temperature ([3]) ([5]) :	N/A

3.

Compression ignition engine :	N/A
Variant/version :	N/A
Corrected value of absorption coefficient: (m^{-1})	N/A

2002/24/EC ANNEX II

INFORMATION DOCUMENT [a]

A. INFORMATION RELATING JOINTLY TO MOPEDS, MOTOR CYCLES, MOTOR TRICYCLES AND QUADRICYCLES

0.	**General**		
0.1.	Make	:	
0.2.	Type (state any possible variants and versions: each variant and each version must be identified by a code consisting of numbers or a combination of letters and numbers)	ZTECH,SUNRA,XINRI : XR-V5	
	Variant		Not applicable
0.2.1.	Commercial name (where applicable)	:	V5 Shadow
0.3.	Means of type identification if stated on vehicle [b]	:	Vehicle Identification Number
0.3.1.	Location of that means of identification	:	Refer to drawing No.XR-V5-16 R,x,240 y,20 z,630
0.4.	Vehicle category[C]	:	L1e
0.5.	Name and address of manufacturer	:	Jiangsu Xinri E-Vehicle Co.,Ltd. No.501,Xishan Road,Anzhen Town,Xishan District,Wuxi City,Jiangsu,P.R.China
0.5.1.	Name(s) and addresse(s) of assembly plants	:	Jiangsu Xinri E-Vehicle Co.,Ltd. No.501,Xishan Road,Anzhen Town,Xishan District,Wuxi City,Jiangsu,P.R.China
0.6.	Name and address of manufacturer's authorised representative, if any	:	Not applicable
0.7.	Location and method of affixing statutory inscriptions to the chassis	:	Refer to drawing No.XR-V5-16
0.7.1.	The serial numbering of the type begins with No	:	☆122421755300219
0.8.	Position and method of affixing the component type-approval mark for components and separate technical units	:	Mark on the surface of the component and made by molding or sticker
1.	**General arrangement of the vehicle**		
1.1.	Photos and/or drawings of a typical vehicle	:	Refer to drawing No.XR-V5-01
1.2.	Dimensional drawing of the complete vehicle	:	Refer to drawing No.XR-V5-01
1.2.1.	Wheelbase	:	1230mm
1.3.	Number of axles and wheels (where appropriate, number of crawler tracks or belts)	:	2 axles / 2 wheels
1.4.	Position and arrangement of engine	:	in the rear wheel Refer to drawing No. XR-V5-02
1.5.	Number of seating positions	:	1
1.6.	Hand of drive - left or right [1]		
1.6.1.	Vehicle is equipped to be driven in right-hand or left-hand rule of the road traffic [1]	:	right-hand and left-hand
2.	**Masses (in kg) [2]**		

2.0.	Unladen mass [(d) (i)]	:	90kg
2.1.	Mass of vehicle in running order [(i)]	:	90kg
2.1.1.	Distribution of that mass between the axles	:	Front:40kg Rear:50kg
2.2.	Mass of vehicle in running order , together with rider	:	165kg
2.2.1.	Distribution of that mass between the axles	:	Front:65kg Rear:100kg
2.3.	Maximum technically permissible mass declared by the manufacturer	:	165kg
2.3.1.	Division of that mass between the axles	:	Front:65kg Rear:100kg
2.3.2.	Maximum technically permissible mass on each of the axles	:	Front:65kg Rear:100kg
2.4.	Maximum hill-starting ability at the maximum technically permissible mass declared by the manufacturer	:	18%
2.5.	Maximum towable mass (where applicable)	:	Not applicable
2.6.	Maximum mass of the combination	:	Not applicable
3.	**Engine[(e)]**		
3.0.	Manufacturer	:	Jiangsu Xinri E-Vehicle Co.,Ltd.
3.1.	Make	:	SUNRA
3.1.1.	Type (stated on the engine, or other means of identification)	:	XR1500W72V
3.1.2.	Location of engine number (if applicable)	:	Refer to drawing No.XR-V5-02
3.2.	Spark- or compression-ignition engine [(1)]	:	Not applicable
3.3.	Electric traction motor		
3.3.1.	Type (winding, excitation)	:	winding
3.3.1.1.	Maximum continuous rated power [(k)]	:	1500W
3.3.1.2.	Operating voltage	:	72V
3.3.2.	Battery		Lead-acid battery
3.3.2.1.	Number of cells	:	6
3.3.2.2.	Mass	:	28kg
3.3.2.3.	Capacity	:	20Ah
3.3.2.4.	Location	:	Refer to drawing No.XR-V5-03
3.4.	Other motors or combinations of motors (specific information concerning the parts of those motors)	:	Not applicable
3.5.	Cooling system temperatures permitted by the manufacturer	:	Not applicable
3.6.	Lubrication system	:	Not applicable
4.	**Transmission [(h)]**		
4.1.	Diagram of transmission system	:	Not applicable

4.2.	Type (mechanical, hydraulic, electrical, etc.)	:	Not applicable
4.3.	Clutch (type)	:	Not applicable
4.4.	Gearbox		
4.4.1.	Type	:	Not applicable
4.4.2.	Method of selection	:	Not applicable
4.5.	Gear ratios	:	1:1
4.6.	Maximum speed of vehicle and gear in which it is reached (in km/h) (i)	:	45 km/h
4.7.	Speedometer		
4.7.1.	Make(s)	:	Xinri
4.7.2.	Type(s)	:	V5
4.7.3.	Photographs and/or drawings of the complete system	:	Refer to drawing No.XR-V5-04 No.XR-V5-05
4.7.4.	Speed range displayed	:	0~80km/h,0~50mph
4.7.5.	Tolerance of the measuring mechanism of the speedometer	:	

km/h	20
Tolerance	-1

4.7.6.	Technical constant of the speedometer	:	Not applicable
4.7.7.	Method of operation and description of the drive mechanism	:	Speedometer sensor send the signal to impulse speedometer
4.7.8.	Overall transmission ratio of the drive mechanism	:	Not applicable

5. Suspension

5.1.	Drawing of suspension arrangement	:	Refer to drawing No. XR-V5-06 Refer to drawing No. XR-V5-07 Refer to drawing No. XR-V5-08
5.1.1.	Brief description of the electrical and/or electronic components used in the suspension	:	Not applicable
5.2.	Tyres (category, dimensions and maximum loading) and rims (standard type)	:	

	Make	Tire	Component Approval No	Rolling circumference E.T.R.T.O.	Tire pressure [kpa]	Load index	Speed category
Front	Cheng Shin	16×2.5	E4-75R-0006290	1330	250	36	F
Rear	Cheng Shin	16×3.0	E4-75R-0006291	1406	250	36	F

5.2.1.	Nominal rolling circumference	:	See above item 5.2
5.2.2.	Tyre pressures recommended by the manufacturer	:	See above item 5.2
5.2.3.	Tyre/wheel combinations	:	Not applicable
5.2.4.	Minimum-speed category symbol compatible with the theoretical maximum design speed of the vehicle	:	B
5.2.5.	Minimum load-capacity index with the maximum load on each tyre	:	Front Wheel:13 Rear Wheel:28

5.2.6.	Categories of use compatible for the vehicle	:	normal
6.	**Steering**		
6.1.	Steering gear and control		
6.1.1.	Type of gear	:	handle bar on telescopic fork
6.1.2.	Brief description of the electrical and/or electronic components used in the steering system	:	Not applicable
7.	**Braking**		
7.1.	Diagram of braking devices	:	Refer to drawing No.XR-V5-09
7.2.	Front ~~disc~~ / drum brake (1) Rear ~~disc~~ / drum brake (1)	:	Front: drum brake Rear: drum brake
7.2.1.	Make(s)	:	Front drum brake: youmin Rear drum brake: jiechen
7.2.2.	Type(s)	:	Front drum: YGZ110IIIF Rear drum: dayang110hougai
7.3.	Drawing of parts of the brake system		
7.3.1.	Shoes and/or pads (1)	:	Refer to drawing No.XR-V5-12 No.XR-V5-13
7.3.2.	Linings and/or pads (Indicate make, grade of material or identification mark) (1)	:	Refer to drawing No.XR-V5-12 No.XR-V5-13
7.3.3.	Brake levers and/or pedals (1)	:	Refer to drawing No. XR-V5-10 No. XR-V5-11
7.3.4.	Hydraulic reservoirs (where applicable)	:	Not applicable
7.4.	Other devices (where applicable)	:	
	drawing and description	:	Not applicable
7.5.	Brief description of the electrical and/or electronic components used in the braking system	:	Not applicable
8.	**Lighting and light-signalling devices**		
8.1.	List of all devices (mentioning the number, make(s), model, component type-approval mark(s), the maximum intensity of the main-beam headlamps, colour, the corresponding tell-tale)	:	List below

Name	Make	Type	Quantity /color	Tell tale	Approval no.	Max. Intensity
Main-beam headlamp	DND	DN-YM-QD-1	1/ white		E4-113R-000253	32475cd
Dipped-beam headlamp	DND	DN-YM-QD-1	1/ white	Not applicable	E4-113R-000253	Not applicable
Front direction indicator	RONG JIA	RJ-CF-3/4/5/6	2/ amber		E4-50R-002288	Not applicable
Rear direction indicator	RONG JIA	RJ-CF-3/4/5/6	2/ amber		E4-50R-002288	Not applicable
Rear position lamp	HR	HR50QT-A-L0905	1/ red	Panel Lamp	E4-50R-0014348	Not applicable
Stop Lamp				Not applicable		Not applicable
Side retro-reflecting devices	K-LITE	KM-101	2 / amber	Not applicable	IA E9-02.1270	Not applicable
Rear retro-reflecting device	K-LITE	KM-202	1/ red	Not applicable	IA E9-02.1269	Not applicable
Rear registration plate lamp	HR	HR50QT-A-L0905	1 / white	Panel lamp	E4-50R-0014348	Not applicable

8.2. Diagram showing the location of the lighting and light-signalling devices : Refer to drawing No.XR-V5-14

8.3. Hazard warning lamps (where fitted) : Not applicable

8.4. Additional requirements relating to special vehicles : Not applicable

8.5. Brief description of the electrical and/or electronic components used in the lighting system and in the light-signalling system : Not applicable

9. Equipment

9.1. Coupling devices (where applicable)

9.1.1. Type (hook/ring/other) (1) : Not applicable

9.1.2. Photograph and/or drawings showing the position and the construction of the coupling devices : Not applicable

9.2. Arrangement and identification of controls, tell-tales and indicators

9.2.1. Photographs and/or drawings of the arrangement of the symbols, controls, tell-tales and indicators : Refer to drawing No.XR-V5-15

9.3. Statutory inscriptions

9.3.1. Photographs and/or drawings showing the location of the statutory inscriptions and the chassis number : Refer to drawing No.XR-V5-16

9.3.2. Photographs and/or drawings showing the official part of the inscription (with statement of dimensions) : Refer to drawing No. XR-V5-17

9.3.1.1 Anti-tampering mark: Refer to drawing No.XR-V5-24
Refer to drawing No.XR-V5-25

9.3.3. Photographs and/or drawings of the chassis number (with statement of dimensions) : Refer to drawing No.XR-V5-17

9.4.	Device(s) to protect against unauthorised use		
9.4.1.	Type of device(s)	:	TYPE 2
9.4.2.	Summary description of device(s) used	:	Steering lock, Refer to drawing No.XR-V5-18
9.5.	Audible warning device(s)		
9.5.1.	Summary description of device(s) used and their purpose	:	Electro magnetic actuated diaphragm
9.5.2.	Make(s)	:	
9.5.3.	Type(s)	:	DL70
9.5.4.	Type-approval mark	:	E4-28R-000296
9.5.5.	Drawing(s) showing the location of the audible warning device(s) in relation to the structure of the vehicle	:	Refer to drawing No.XR-V5-19
9.5.6.	Details of the method of attachment, including the part of the vehicle structure to which the audible warning device(s) is (are) attached	:	Refer to drawing No.XR-V5-19
9.6.	Location of rear registration plate (indicate variants where necessary; drawings may be used as appropriate)	:	Refer to drawing No.XR-V5-20
9.6.1.	Inclination of plane in relation to the vertical	:	25º facing upward

B. INFORMATION RELATING SOLELY TO TWO-WHEEL MOPEDS AND MOTORCYCLES

1.	**Equipment**		
1.1.	Rear-view mirror(s) (please provide the following information for each rear-view mirror)		
1.1.1.	Make	:	XIONGXIN
1.1.2.	Component type-approval mark	:	E11-R81-001192
1.1.3.	Variant	:	Not applicable
1.1.4.	Drawing(s) showing the location of the rear-view mirror(s) in relation to the structure of the vehicle	:	Refer to drawing No.XR-V5-21 No.XR-V5-22
1.1.5.	Precise information concerning the type of attachment, including that part of the vehicle structure to which the rear-view mirror is attached	:	Refer to drawing No.XR-V5-21 No.XR-V5-22
1.2.	Stand		
1.2.1.	Type (central and/or side)	:	Main and side stand
1.2.2.	Drawing showing the location of the stand(s) in relation to the structure of the vehicle	:	Refer to drawing No.XR-V5-23
1.3.	Attachments for motorcycle sidecars (where applicable)		
1.3.1.	Photographs and/or drawings showing the location and the construction	:	Not applicable
1.4.	Hand-hold for a passenger		
1.4.1.	Type (strap and/or handle)	:	Not applicable
1.4.2.	Photographs and/or drawings showing the location	:	Not applicable
1.5.	For mopeds fitted with pedals and, if Directive 97/24/EC, Chapter 3, Annex I, point 3.5 applies, description of the measures taken in order to ensure safety	:	Not applicable
1.6	Design and position of the label referred to in Directive 97/24/EC, Chapter 7	:	Refer to drawing No.XR-V5-24 Refer to drawing No.XR-V5-25

PART 2 SEPARATE DIRECTIVE APPROVAL NUMBERS

Heading No.	Separate Directive No.	Subject	Approval No([1])	Extension date	Variants and versions covered
18	95/1/EC	Maximum torque and maximum net power of engine	---	---	---
19	97/24/EC(C7)	Anti-tampering measures for mopeds and motorcycles	---	---	---
20	97/24/EC(C6)	Fule tank	---	---	---
25	95/1/EC	Maximum design speed of vehicle	---	---	---
26	93/93/EEC	Masses and dimensions	---	---	---
27	97/24/EC(C10)	Trailer coupling devices	---	---	---
28	97/24/EC(C5) 2005/30/EC	Anti-air pollution measures	---	---	---
29	97/24/EC(C1)	Tyres	Acc. to ECE R75 and Refer to 5.2 of Part 1A	---	---
31	93/14/EEC	Braking system	---	---	---
32	93/92/EEC	Installation of lighting and light-signalling devices on the vehicle	---	---	---
33	97/24/EC (C2)	Lighting and light-signalling devices	Refer to 8.1of Part 1A	---	---
34	93/30/EEC	Audible warning device	Refer to 9.5.4 of Part 1A	---	---
35	93/94/EC	Position for the mounting of rear registration plate	---	---	---
36	97/24/EC(C8)	Electromagnetic compati-bility	---	---	---
37	97/24/EC(C9)	Sound level and exhaust system	---	---	---
38	97/24/EC(C4)	Rear-view mirror(s)	Refer to 1.1.2 of Part 1B	---	---
39	97/24/EC(C3)	External projections	---	---	---
40	93/31/EEC	Stand	---	---	---
41	93/33/EEC	Devices to prevent unauthorised use of the vehicle	---	---	---
42	97/24/EC(12)	Windows; windscreen wipers; windscreen waers; and so on	---	---	---
43	93/32/EEC	Passenger hand-hold for two-wheel vehicles	---	---	---
44	97/24EEC(C11)	Anchorage points for safety belts and safety belts	---	---	---
45	2000/7/EC	Speedometer	---	---	---
46	93/29/EEC	Identification of controls, tell –tales and indicators	---	---	---
47	93/34/EEC	Statutory inscriptions	---	---	---

To whom it may concern,

For the vehicle type: XR-V5

- **Acc. to 97/24/EC chapter 7, annex, No.3.8**

We here with declare, that the electric engine's maximum continuous rated power is 1500W and operating voltage is 72V Modification or disconnection of the device or its wiring system do not have the effect of increasing the moped's maximum design speed by more than 10%. and also meet the requirements for L1e

Acc. to 93/33/EC annex 1, No.3.6

The vehicle's key locking system incorporates more than 1000 different combinations.

Mr. Ren Yi /manager

Jiangsu Xinri E-Vehicle Co.,Ltd.

Jiangsu Xinri E-Vehicle Co.,Ltd.

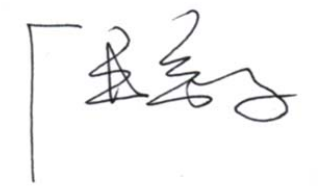
Infomation Document.:2002/24-XR-V5-00

Application date: 18 June 2015

Statement Concerning the Material of Brake Pad

We, Jiangsu Xinri E-Vehicle Co.,Ltd.declare that all our moped with e-mark approval which export to European market. The brake pads do not have the material of asbestos.

Type of vehicle	Type of front brake pads	Type of rear brake pads
XR-V5	YGZ110IIIF	dayang110hougai



Mr. Ren Yi /manager

Jiangsu Xinri E-Vehicle Co.,Ltd.

EC CERTIFICATE OF CONFORMITY

The undersigned:
Mr. Ren Yi
Hereby certifies that the following vehicle:

0.1.	Make:	ZTECH,SUNRA,XINRI
0.2.	Type: Variant	XR-V5 (Lead-acid batteries 1500W72V45kmh)
0.2.1	Commercial name(s) (where appropriate):	V5 Shadow, ZT-04
0.4.	Vehicle category:	L1e
0.4.1.	Vehicle category according to Directive 97/24/EC,Chapter 7 (if applicable):	A
0.5.	Name and address of the manufacturer:	Jiangsu Xinri E-Vehicle Co.,Ltd. No.501,Xishan Road,Anzhen Town,Xishan District,Wuxi City,Jiangsu,P.R.China
0.6.	Location of the statutory plate:	R, x970, y110, z230
	Vehicle identification number:	☆122421755300219
0.7.	Location of the vehicle identification number on the chassis:	R, x240, y20, z630

Conforms in all respects to the type described in EC type-approval

－ EC type-approval number: e11*2002/24*1891*00

－dated: MMMM DD, YYYY

The vehicle can be permanently registered without requiring any further approvals, for driving on the right and left and for using metric/imperial units for the speedometer.

Jiangsu Province,P.R.China	MMMM DD, YYYY
(place)	(date)
	manager
(signature)	(position)

Jiangsu Xinri E-Vehicle Co.,Ltd.

Infomation Document.:2002/24-XR-V5-00

Application date: 18 June 2015

Additional information

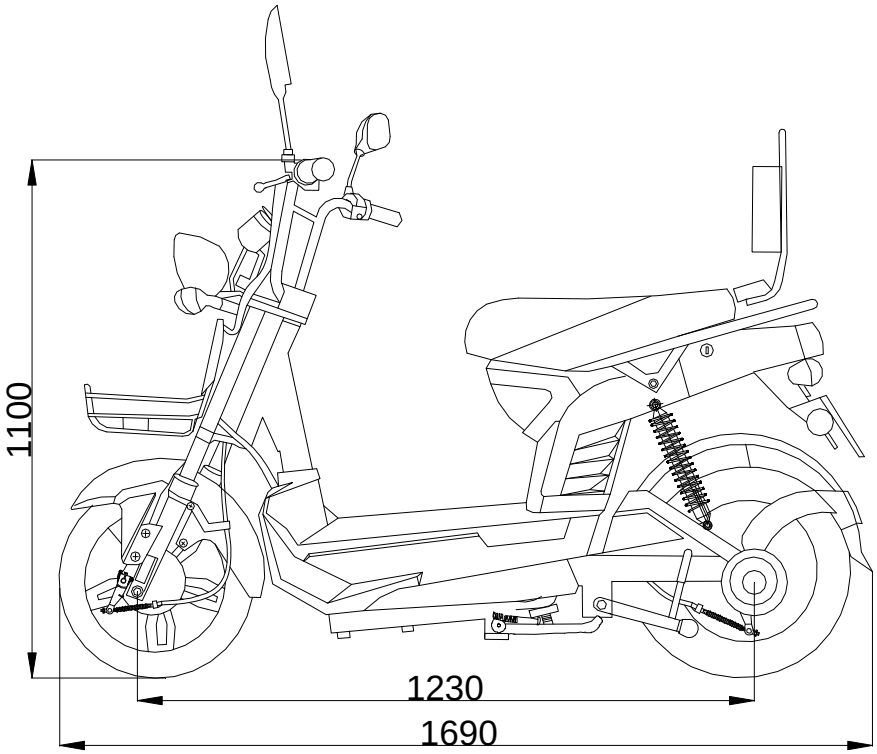
1.	Number of axles:	2	and wheels:	2		
3.	Wheel base:	1230				mm
6.1	Length:	1690				mm
7.1	Width:	720				mm
8.	Height:	1100				mm
12.1.	Mass of the vehicle (with bodywork) in running order: 90					kg
12.2.	Unladen lass of the vehicle: 90					kg
14.1.	Technically permissible maximum laden mass: 165					kg
14.2	Distribution of this mass among the axles:					
	1.	65	kg	2.	100	kg
14.3.	Technically permissible mass on each axle:					
	1.	65	kg	2.	100	Kg
17.	Maximum mass of trailer:					
	(braked): ---		kg	(unbraked):---		Kg
19.1.	Maximum vertical load at the coupling point for a trailer: ---					Kg
20.	Engine manufacturer: Jiangsu Xinri E-Vehicle Co.,Ltd.					
21.	Engine type as marked on the engine: XR1500W72V					
21.2.	Engine number: 15100002					
22.	Working principle: electric~~/spark ignition/compression ignition, four/two stroke~~					
23.	Number and arrangement of cylinders: ~~--~~					
24.	Cylinder capacity: --					cm^3
25.	Fuel: --					
26.	Maximum net power or maximum continuous rated power as applicable: 0.8KW					
26.1.	Ratio: maximum net power or maximum continuous rated power/mass of the vehicle in running order:			0.0089		(KW/kg)
28.	Gearbox (type): --					
29.	Gear ratios: --					
32.	Tyre size designation:					
	Axle 1: 16×2.5			Axle 2: 16×3.0		
37.	Body: ~~yes~~/no					
41.	Number and configuration of doors : not applicable					
42.1.	Number and position of seats: 1 r1:1C					
43.1.	Approval mark of coupling device, if fitted: not applicable					
44.	Maximum speed: 45					km/h
45.	Sound level :					
	Stationary: -		dB(A)	at engine speed: --		min^{-1}
	Drive-by: --		dB(A)			
46.	Exhaust emissions: 97/24/EC chapter 5 Annex II, as amended by 2013/60/EU(Implementation Stage B)					
46.1	Euro level: --					
46.2	Type Ⅰ test:	CO : --	g/km	HC: --		g/km
		NO_X : --	g/km	HC+ NO_X : --		g/km
46.3	Type Ⅱ test:	for mopeds: CO : --	g/min	HC: --		g/min
		for motorcycles and tricycles: --				% vol
	Visible air pollution caused by an engine with compression ignition: --					
	－ corrected value of avsorption coefficient : --					m^{-1}

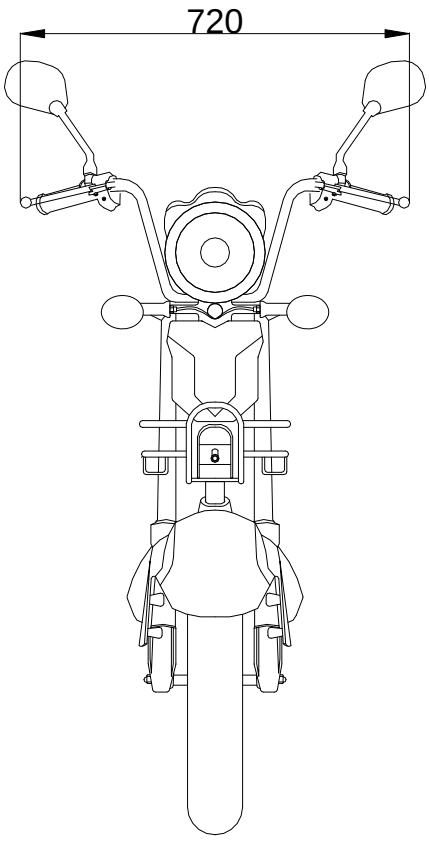
47. Fiscal power or national code number (s) :

Italy :	France :	Spain :
Belgium :	Germany :	Luxembourg :
Denmark :	Netherlands :	Greece :
United kingdom :	Ireland :	Portugal :
Austria :	Sweden :	Finland :
Czech Republic :	Estonia :	Cyprus :
Latvia :	Lithuania :	Hungary :
Malta :	Poland :	Slovenia :
Romania	Croatia	Solvakia
Bulgaria		

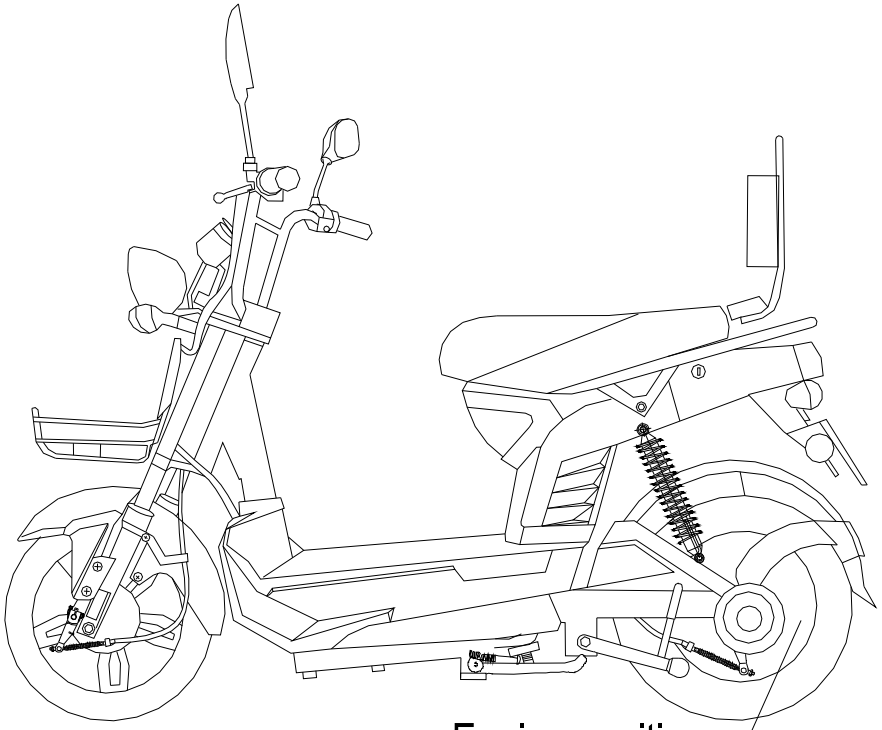
50. Remarks : ---

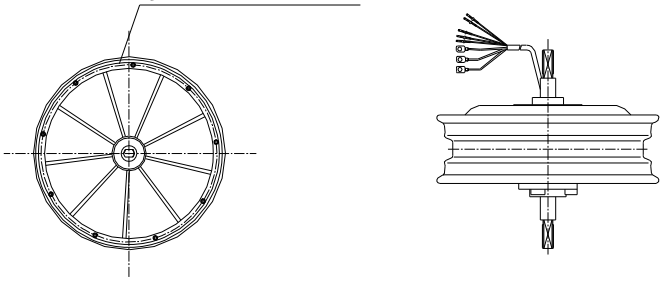
51. Exemptions : ---





Vehicle Type	XR-V5
Complete vehicle- dimension	
Drawing No.	XR-V5-01



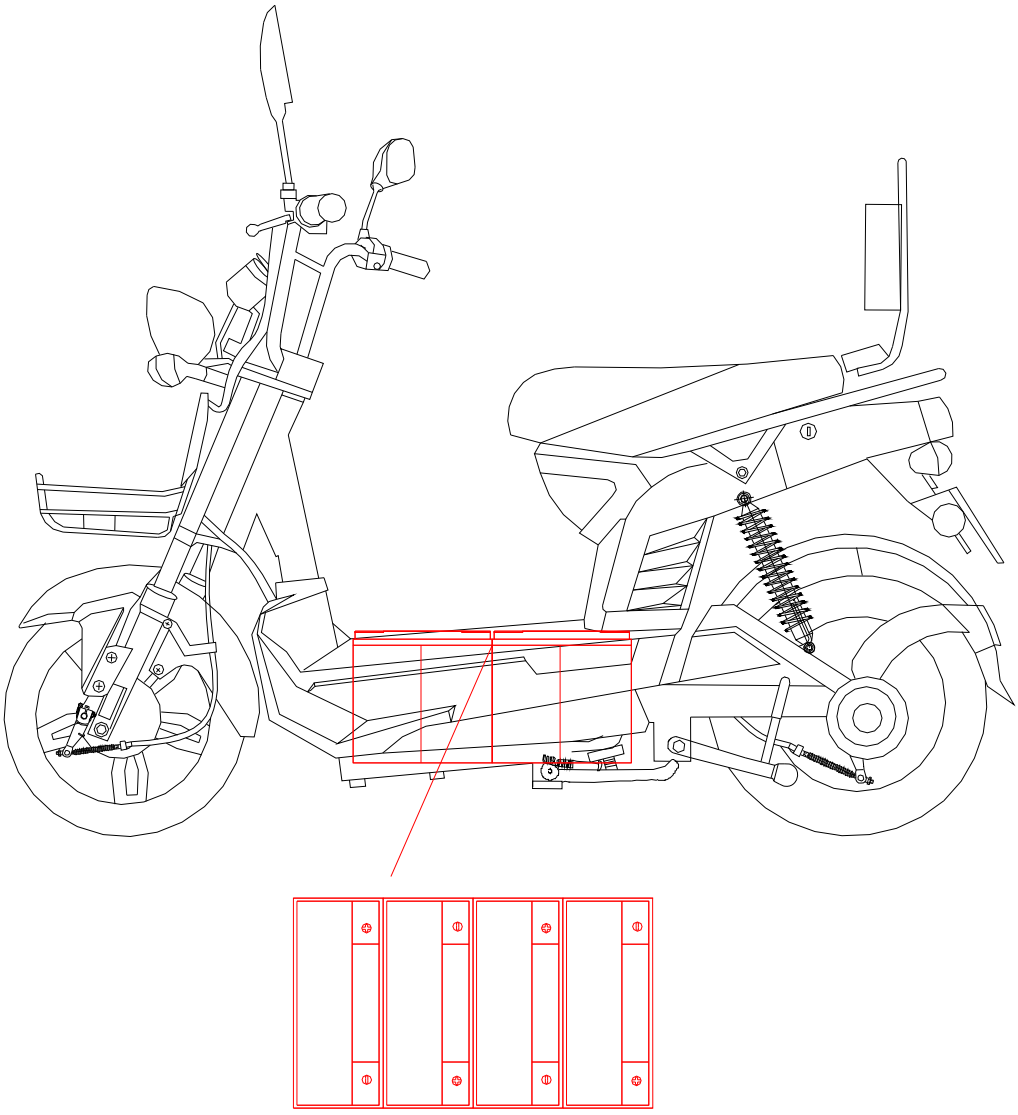


MAKE:SUNRA

TYPE: XR1500W72V

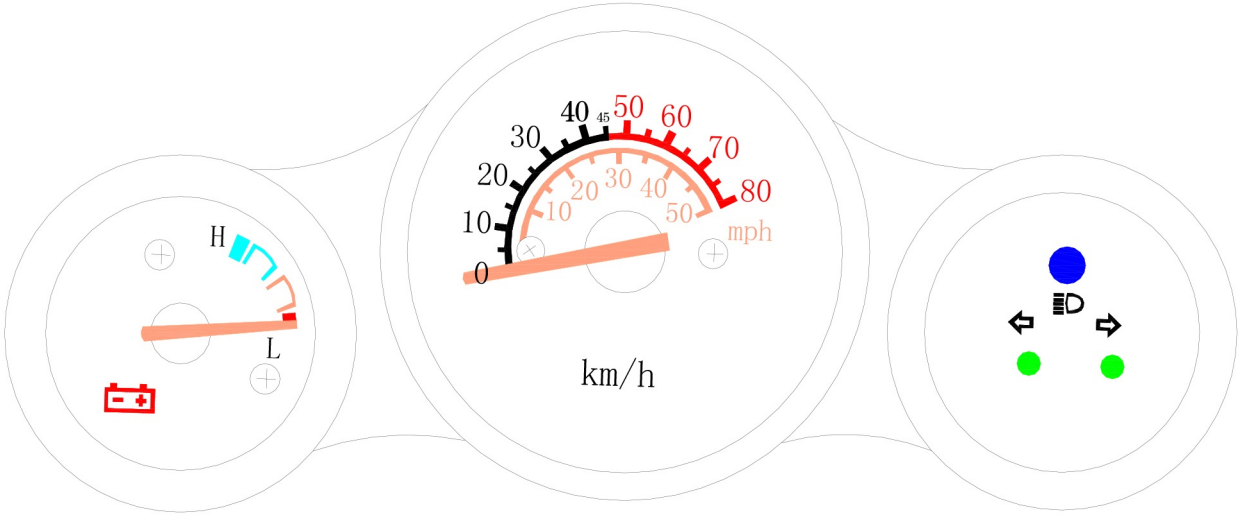
Engine Number:15100002

Vehicle Type	XR-V5
Electric engine	
Drawing No.	XR-V5-02

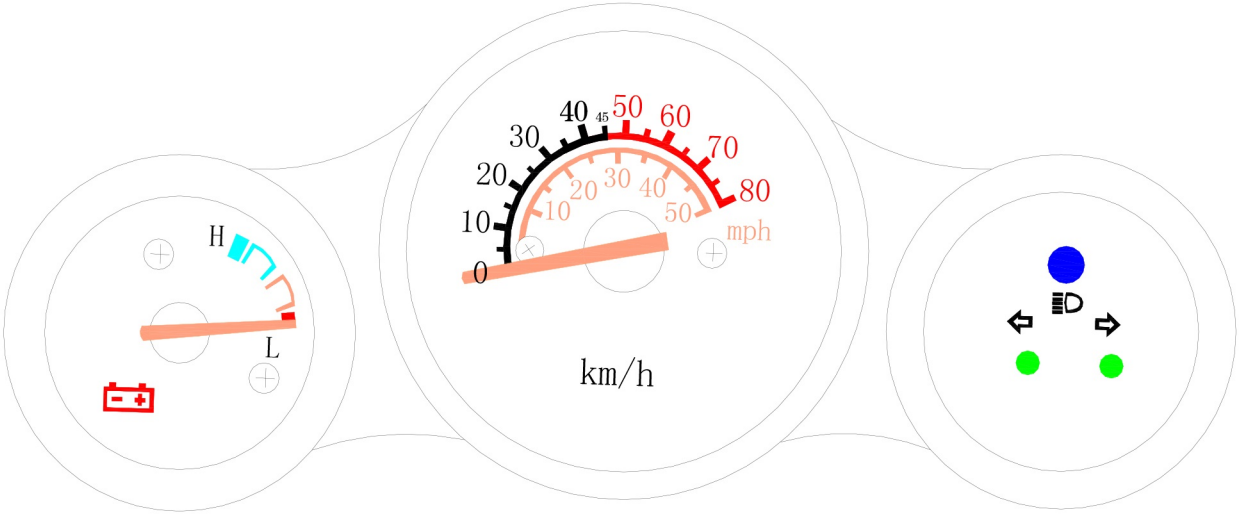


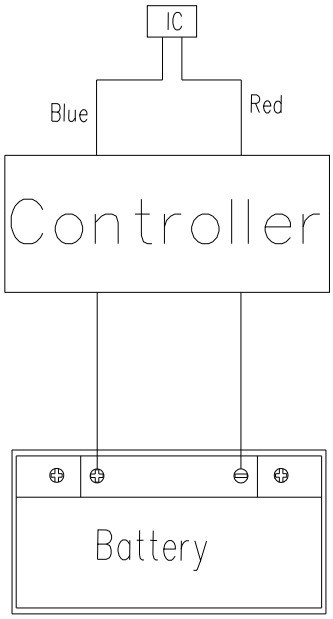
Lead-acid battery

Vehicle Type	XR-V5
Battery Installation	
Drawing No.	XR-V5-03

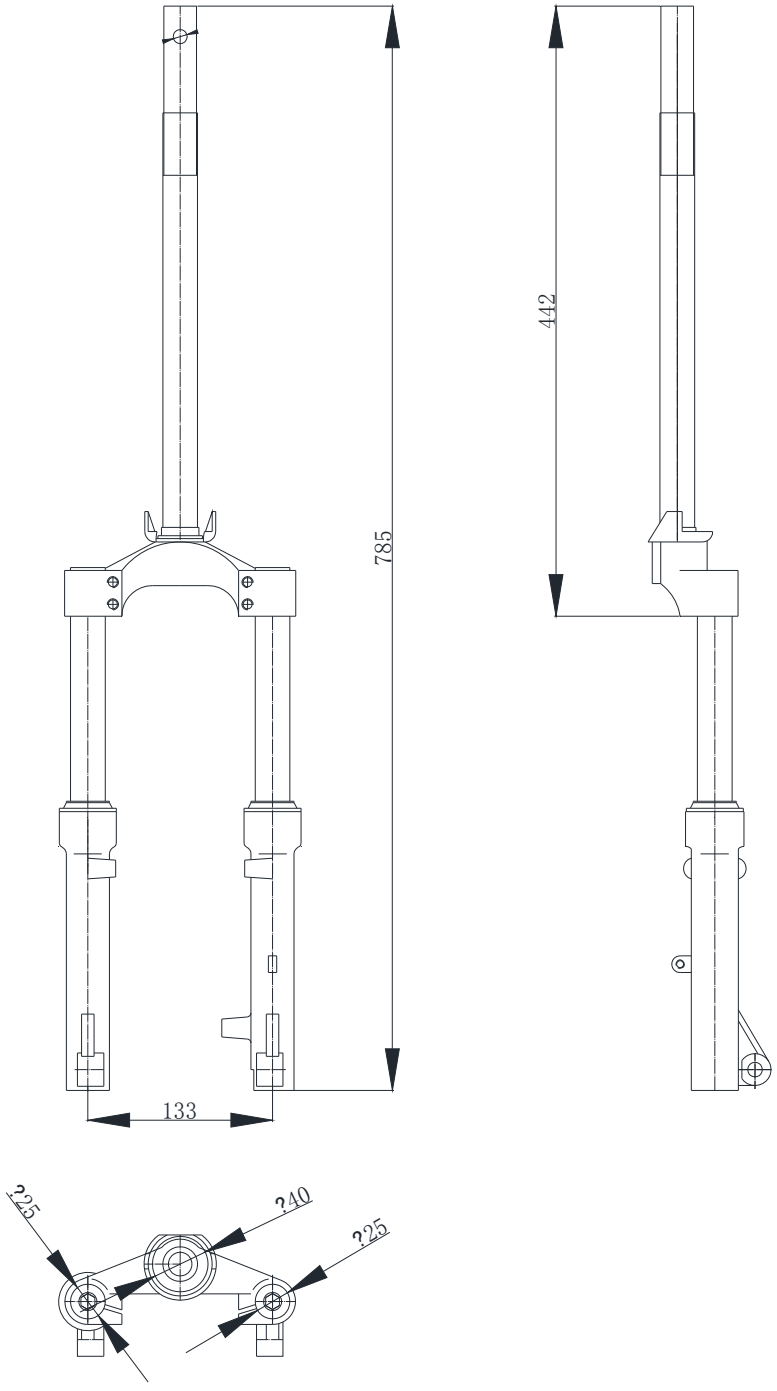


Vehicle Type	XR-V5
Speedometer	
Drawing No.	XR-V5-04

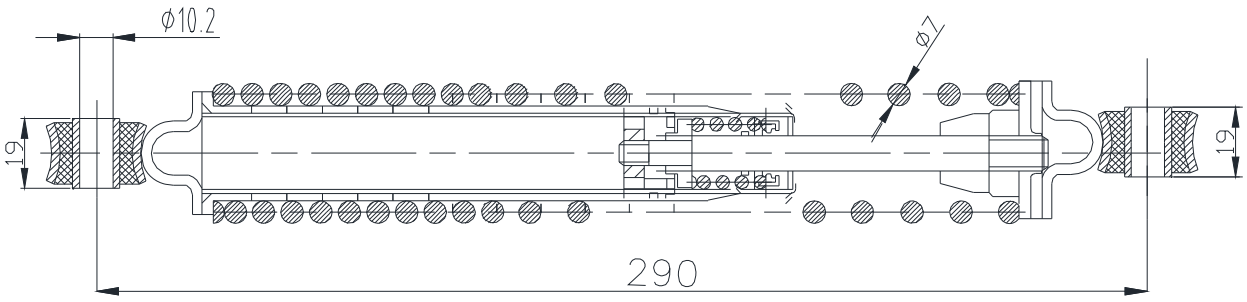




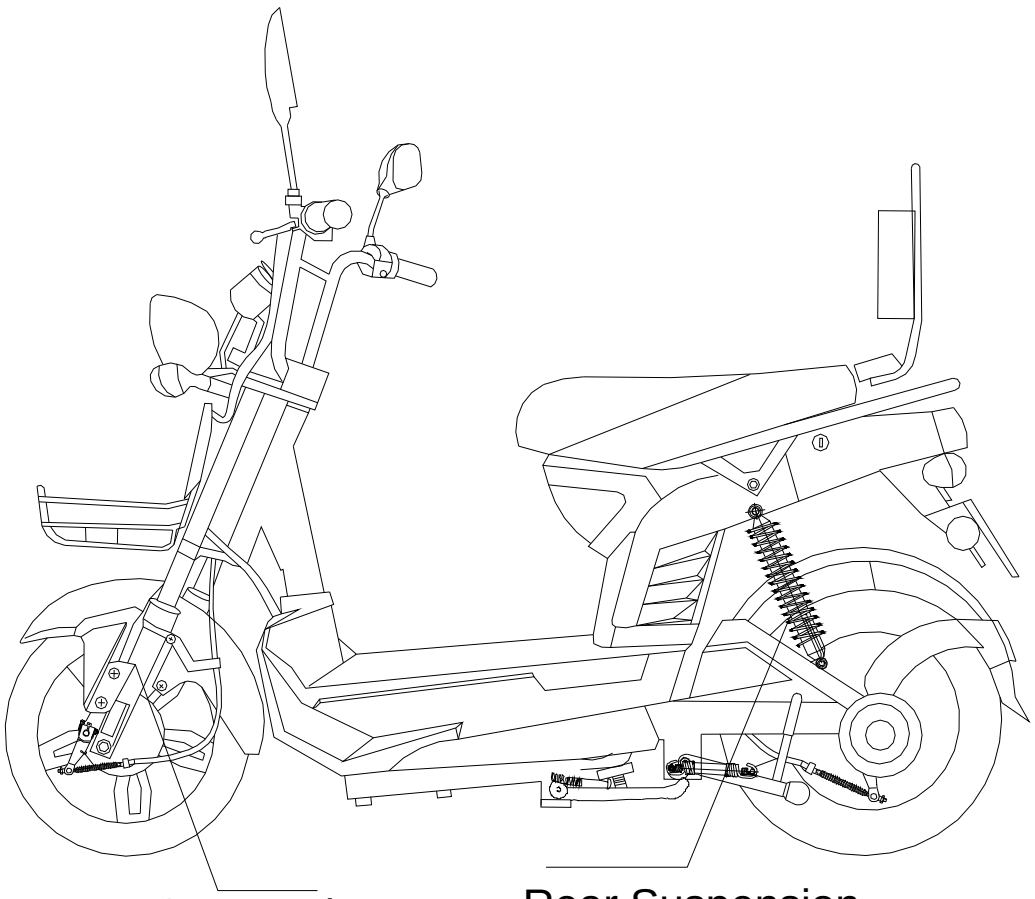
Vehicle Type	XR-V5
Speedometer drive mechanism	
Drawing No.	XR-V5-05



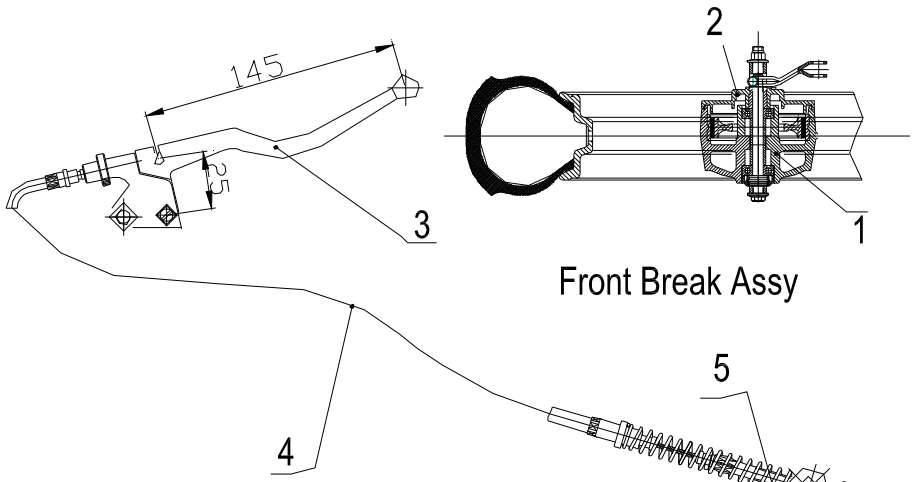
Vehicle Type	XR-V5
Front Fork Suspension	
Drawing No.	XR-V5-06



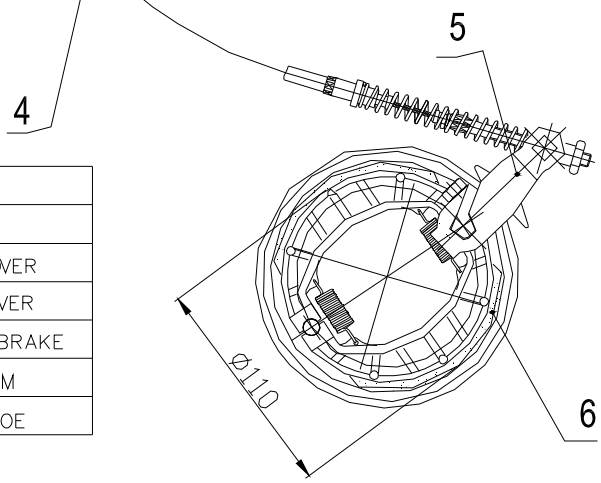
Vehicle Type	XR-V5
Rear Suspension	
Drawing No.	XR-V5-07



Vehicle Type	XR-V5
Suspension arrangement	
Drawing No.	XR-V5-08

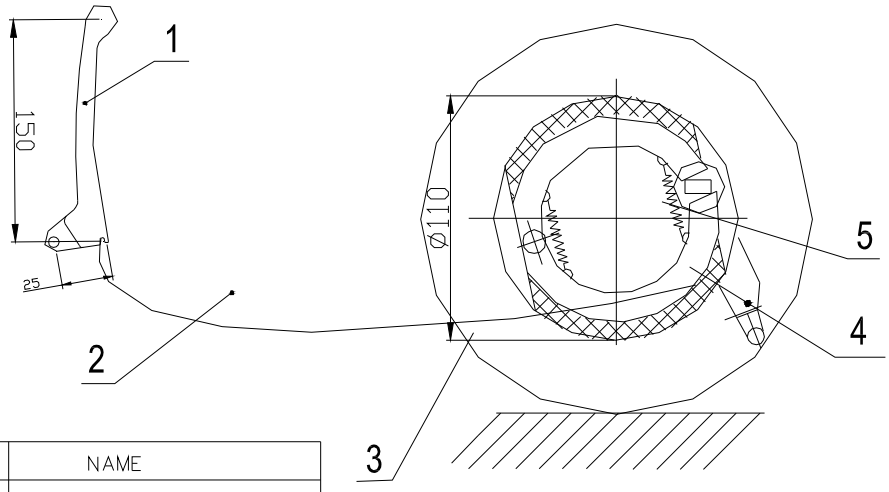


Front Break Assy



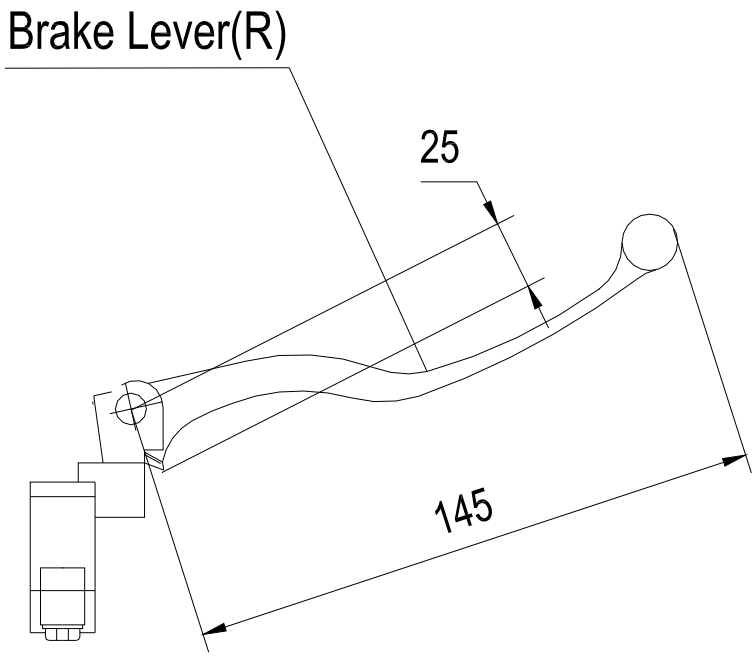
NO.	NAME
1	FRONT WHEEL
2	FRONT BRAKE COVER
3	FRONT BRAKE LEVER
4	CABLE COMP FR BRAKE
5	FRONT BRAKE ARM
6	FRONT BRAKE SHOE

Break Lever(rear)



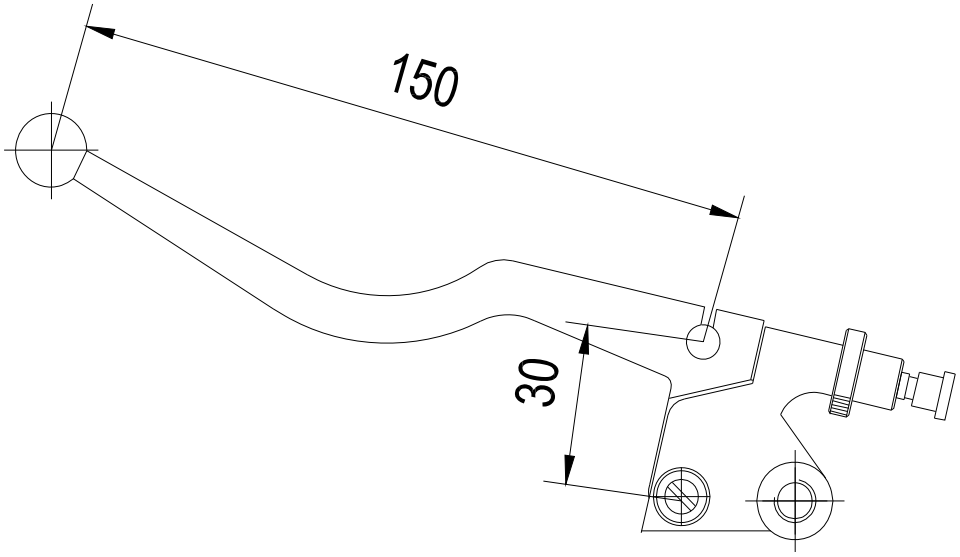
NO.	NAME
1	REAR BRAKE LAVER
2	REAR BRAKE LINE
3	ELECTRIC TRACTION MOTOR
4	BRAKE ARM
5	Back Brake Lever Cam

Vehicle Type	XR-V5
Brake System	
Drawing No.	XR-V5-09



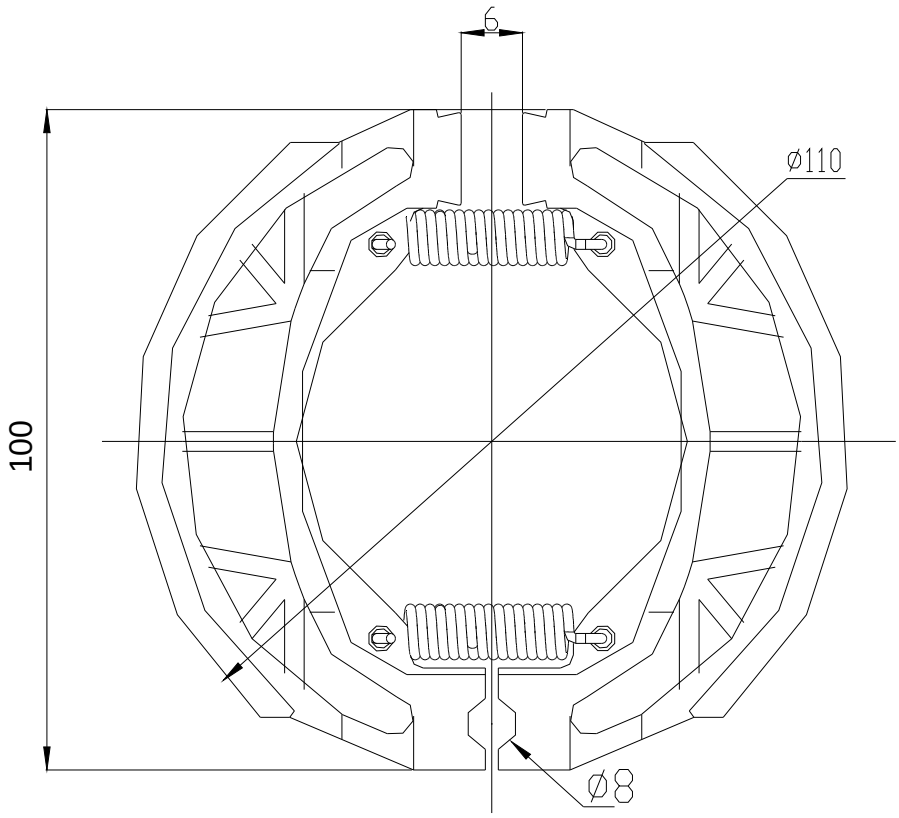
RATIO FROM LEVER TO MASTER CYLINDER:i=145/25=5.8

Vehicle Type	XR-V5
FRONT BRAKE LEVEL	
Drawing No.	XR-V5-10

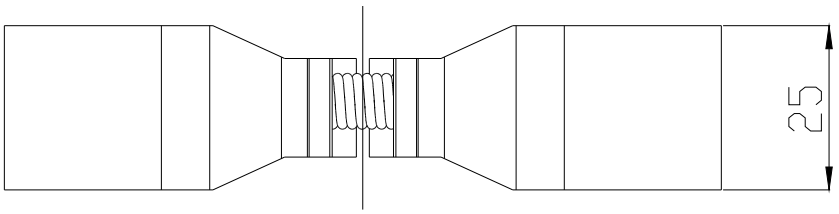


LEVER RATIO :i=150/30=5

Vehicle Type	XR-V5
REAR BRAKE LEVEL	
Drawing No.	XR-V5-11



Break pad area:2500mm^2

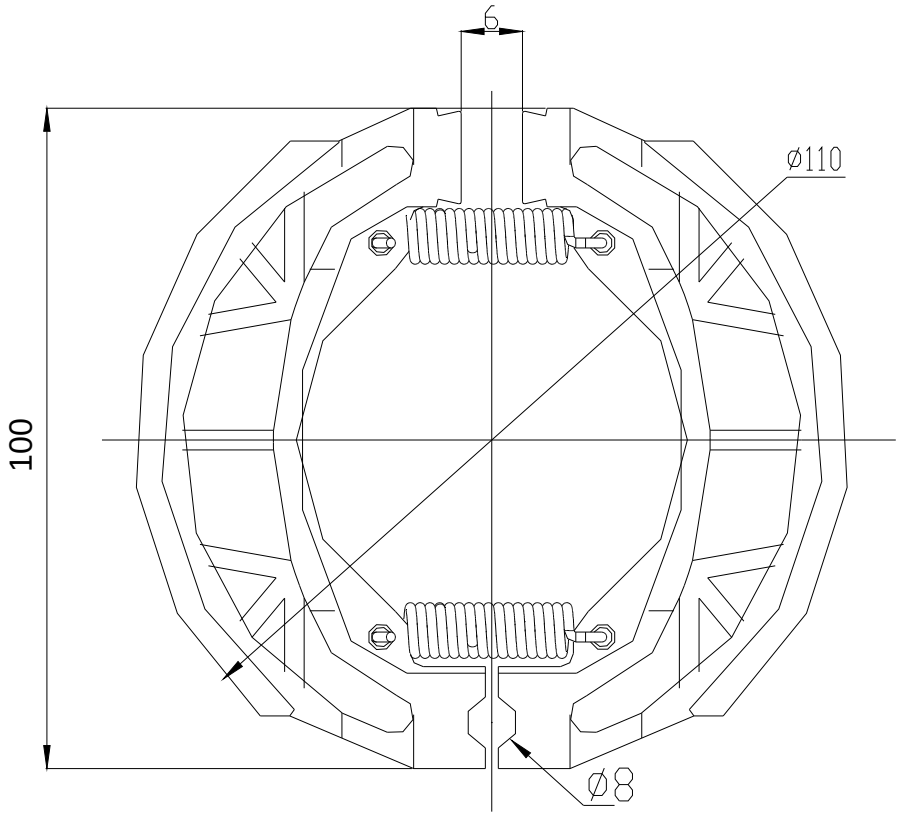


MAKE: youmin

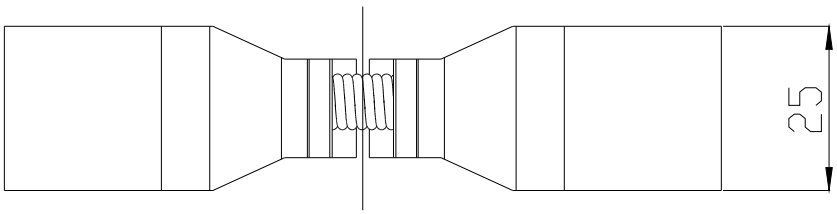
TYPE: YGZ110IIIF

Pad Material: Non-asbestos Synthetic

Vehicle Type	XR-V5
FRONT BRAKE PAD	
Drawing No.	XR-V5-12



Break pad area:2500mm^2

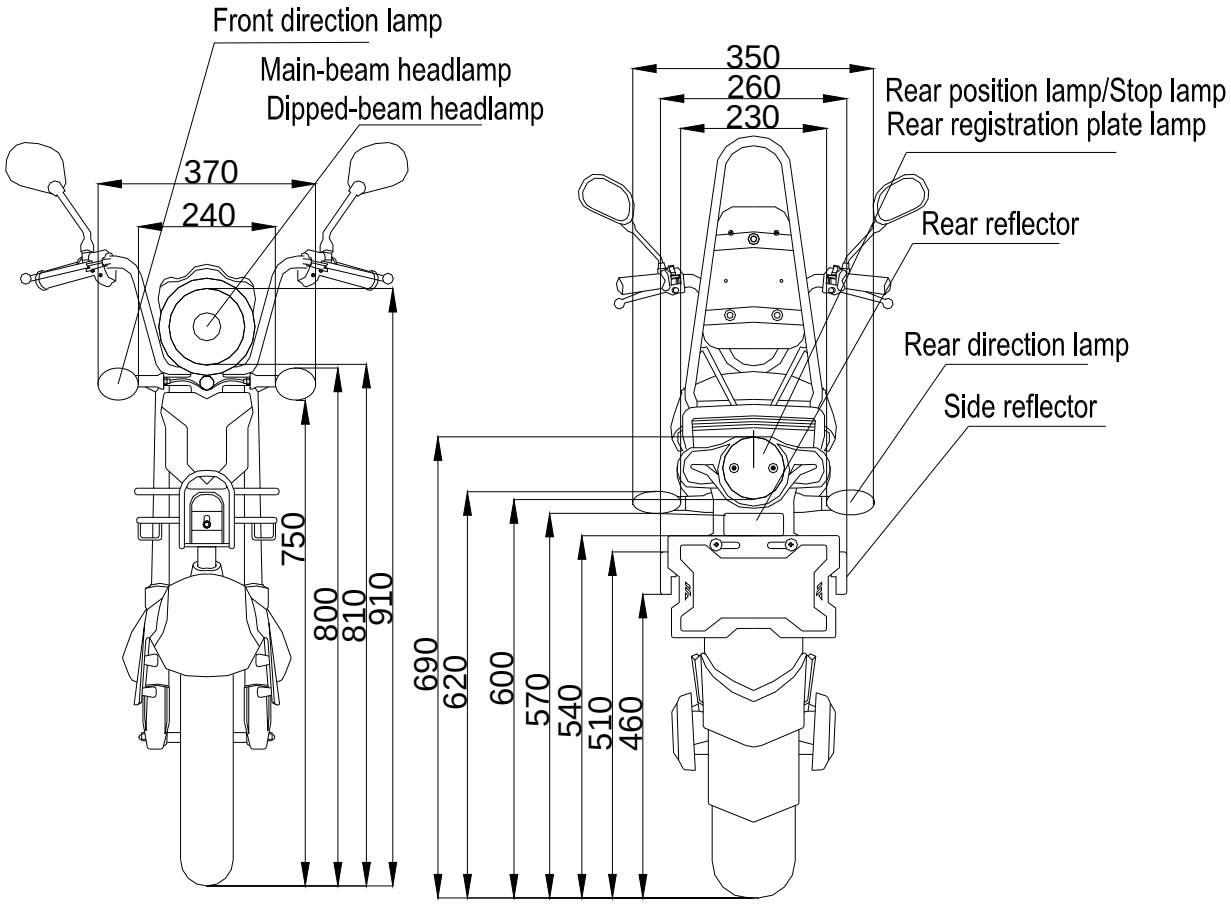


MAKE: jiechen

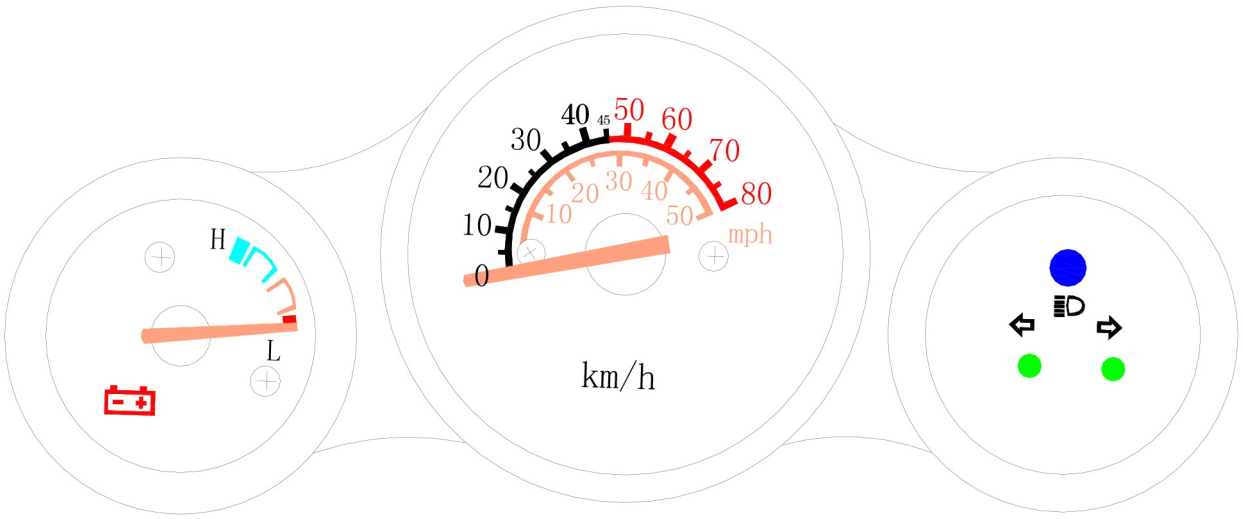
TYPE: dayang110hougai

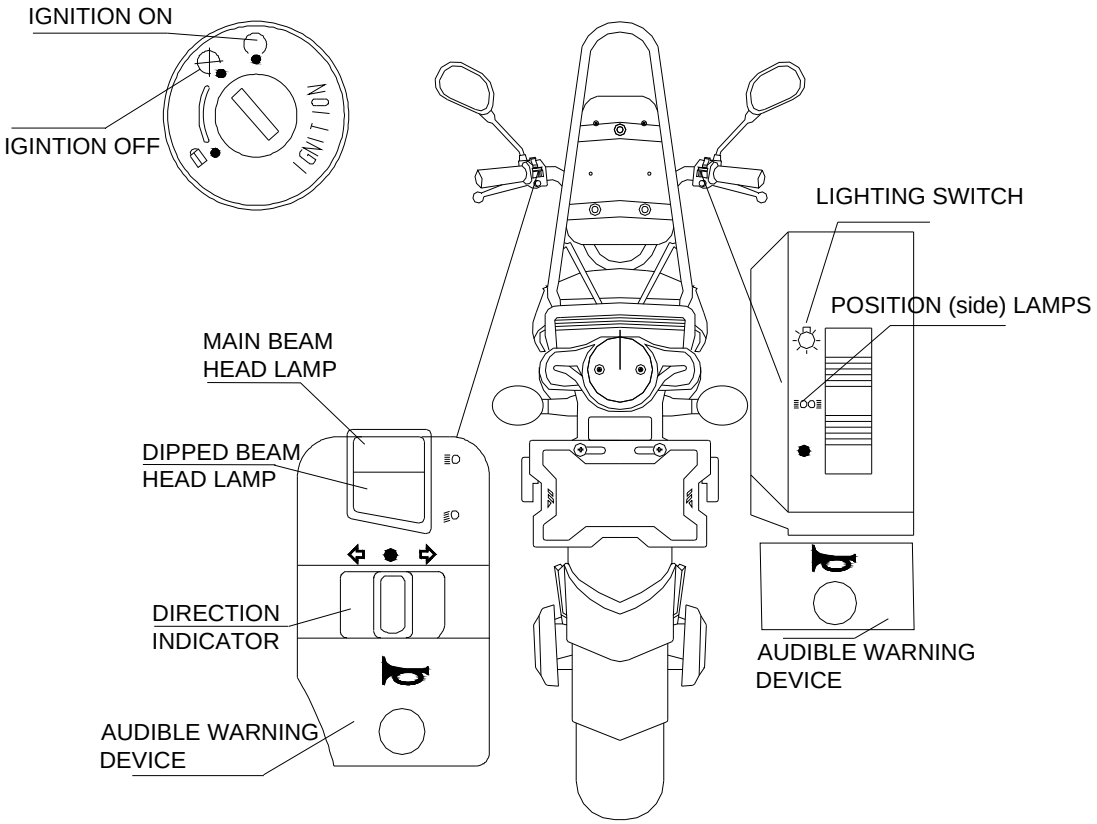
Pad Material: Non-asbestos Synthetic

Vehicle Type	XR-V5
REAR BRAKE PAD	
Drawing No.	XR-V5-13

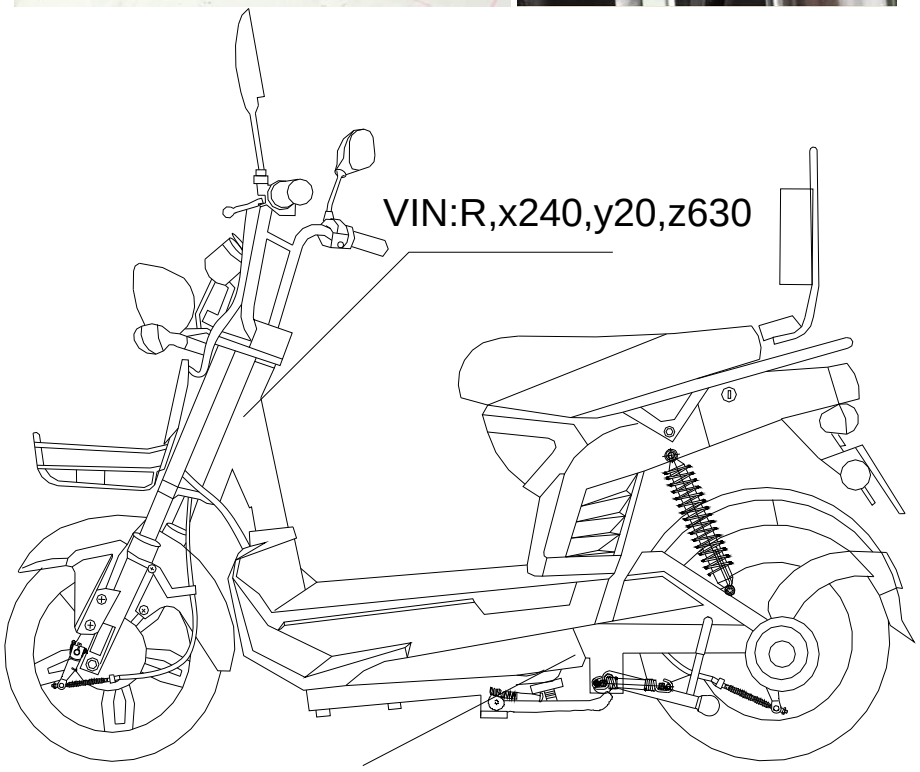


Vehicle Type	XR-V5
Lighting Installation	
Drawing No.	XR-V5-14



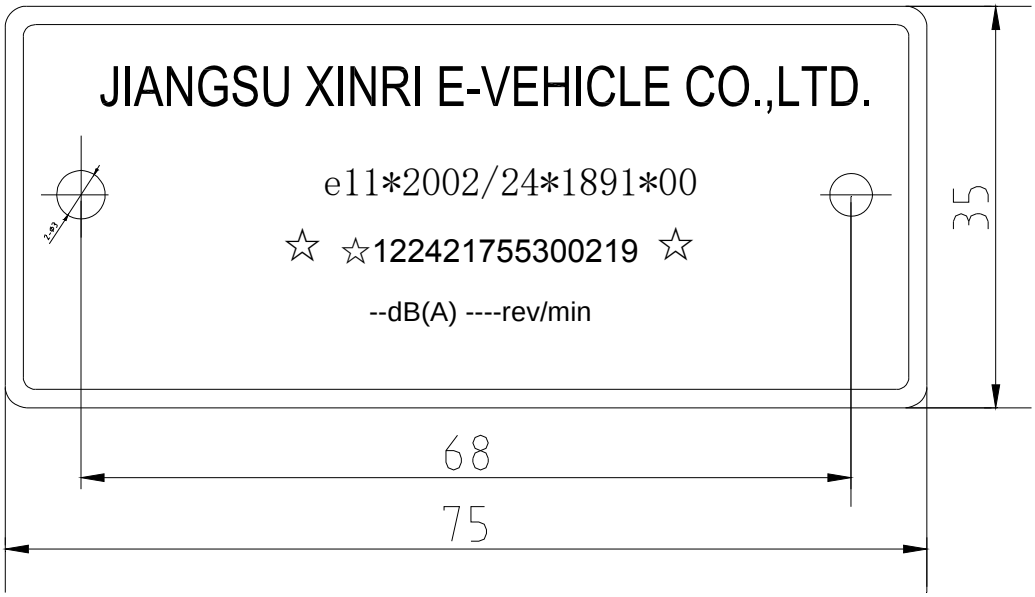


Vehicle Type	XR-V5
Control I.D., Indicator and Tell-tale	
Drawing No.	XR-V5-15



Location of statutory plate
R,x970,y110,z230

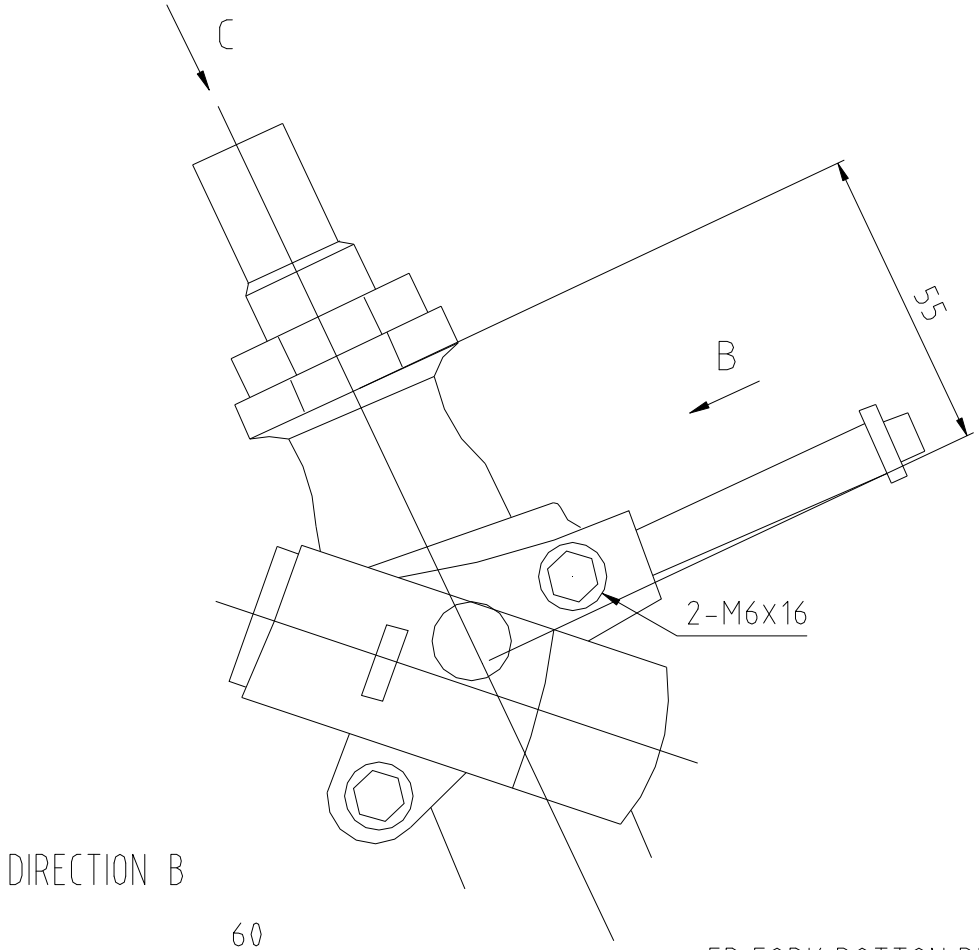
Vehicle Type	XR-V5
Location of The Statutory Inscription and The Chassis Number	
Drawing No.	XR-V5-16



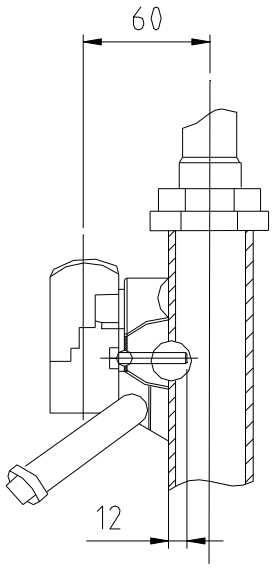
Text height:4.0mm
Text depth:0.3mm

☆122421755300219

Vehicle Type	XR-V5
Manufacturer's Data Plate	
Drawing No.	XR-V5-17

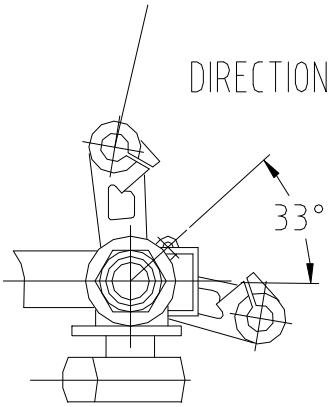


DIRECTION B

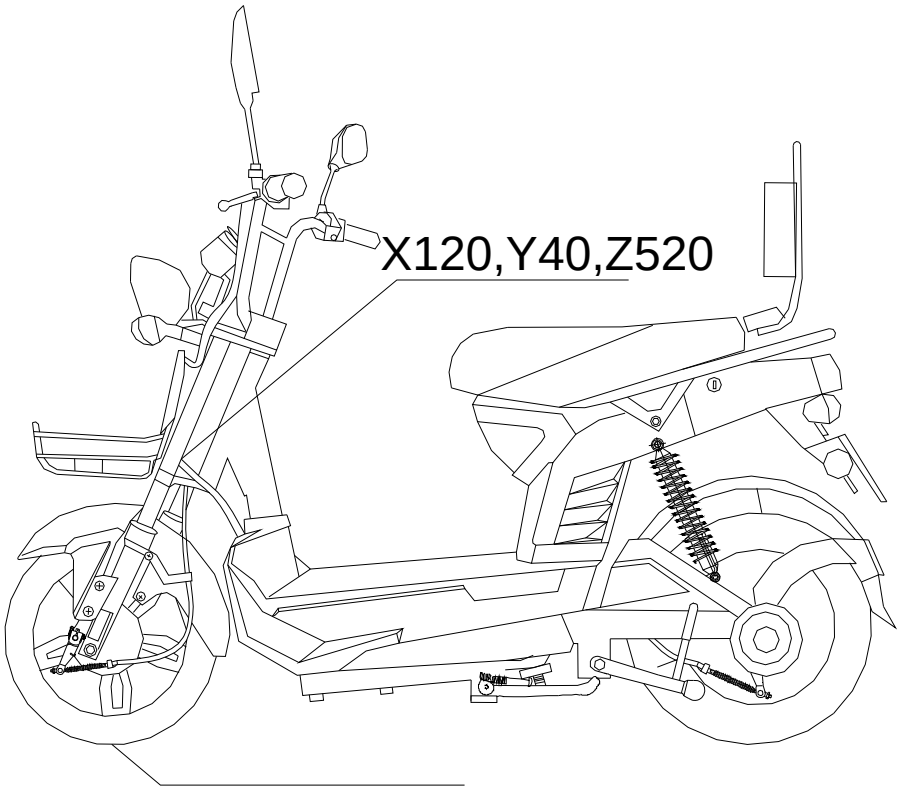


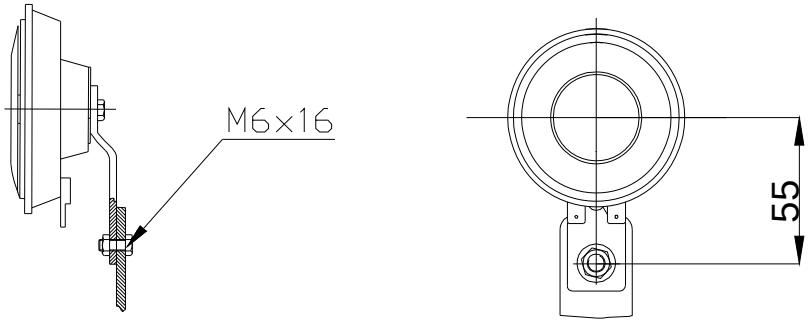
FR FORK BOTTON BRIDGE

DIRECTION C

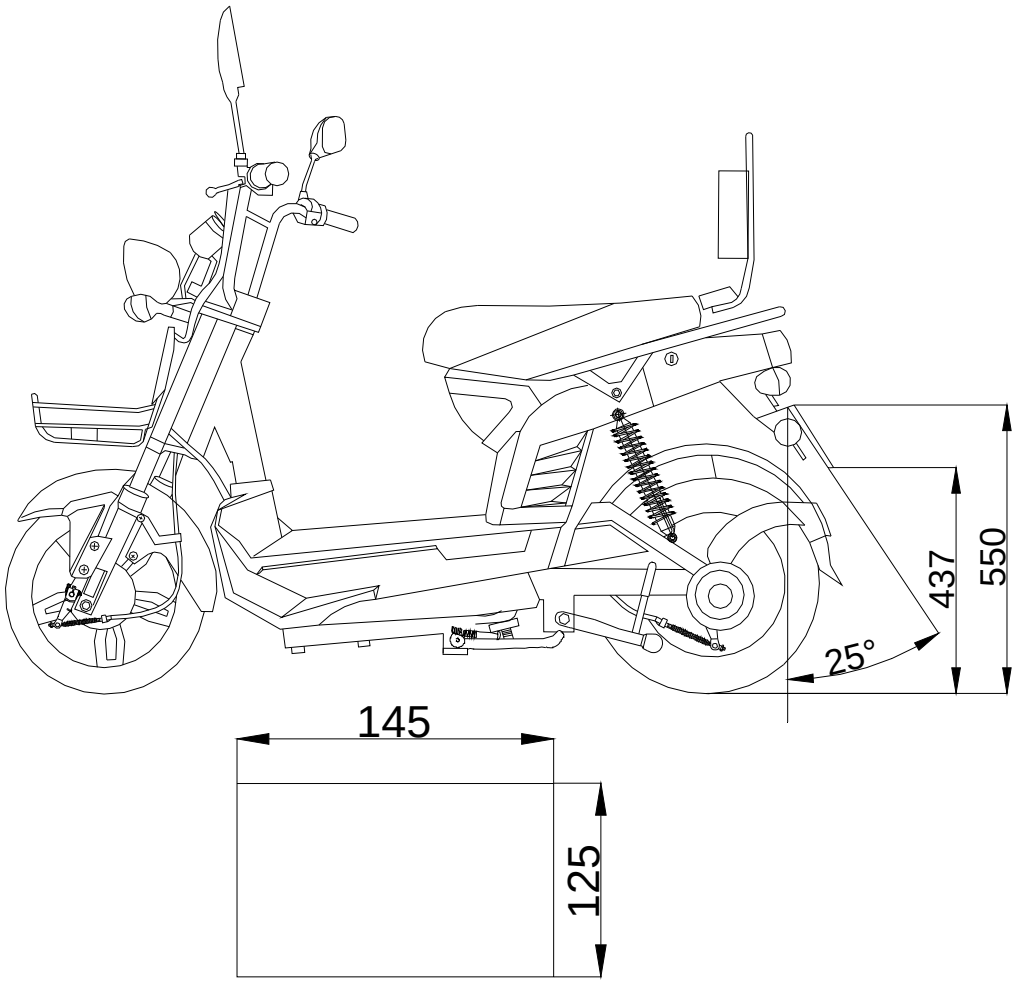


Vehicle Type	XR-V5
Anti-theft device	
Drawing No.	XR-V5-18

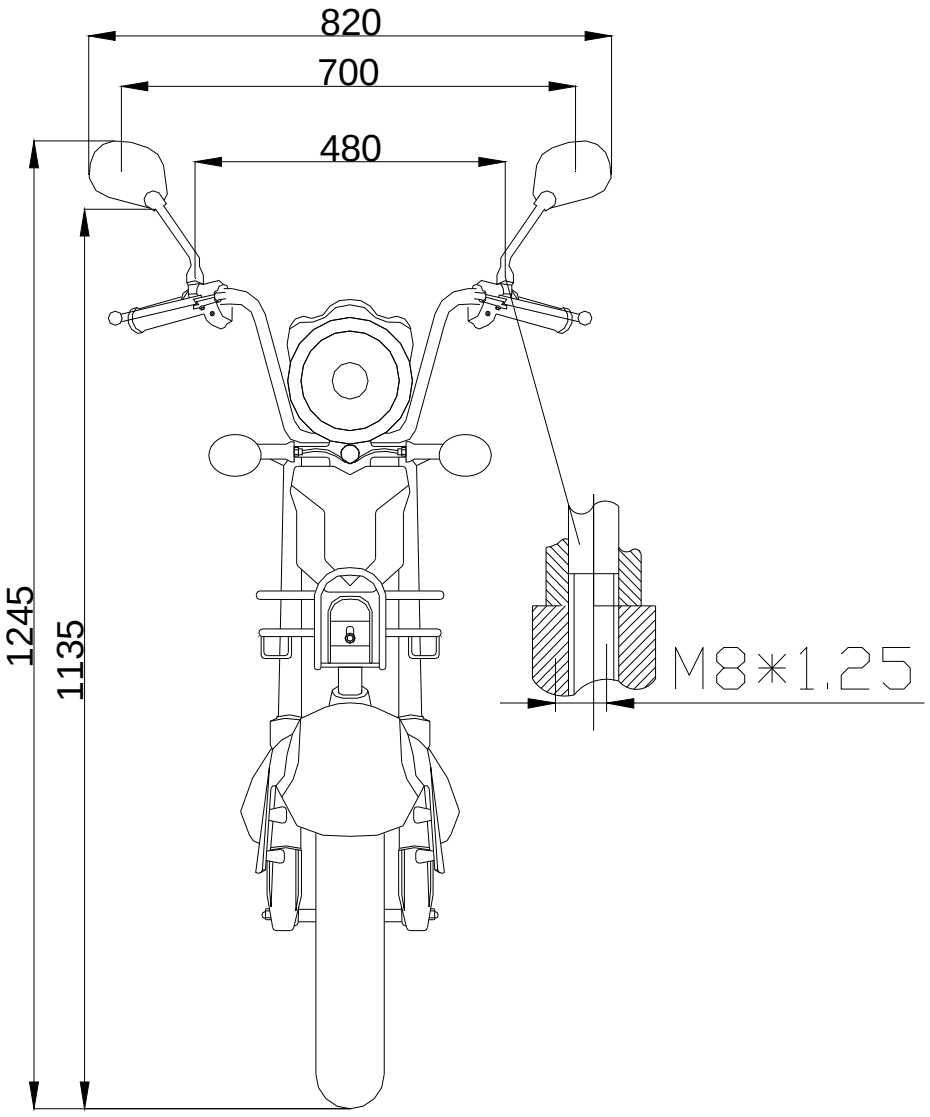




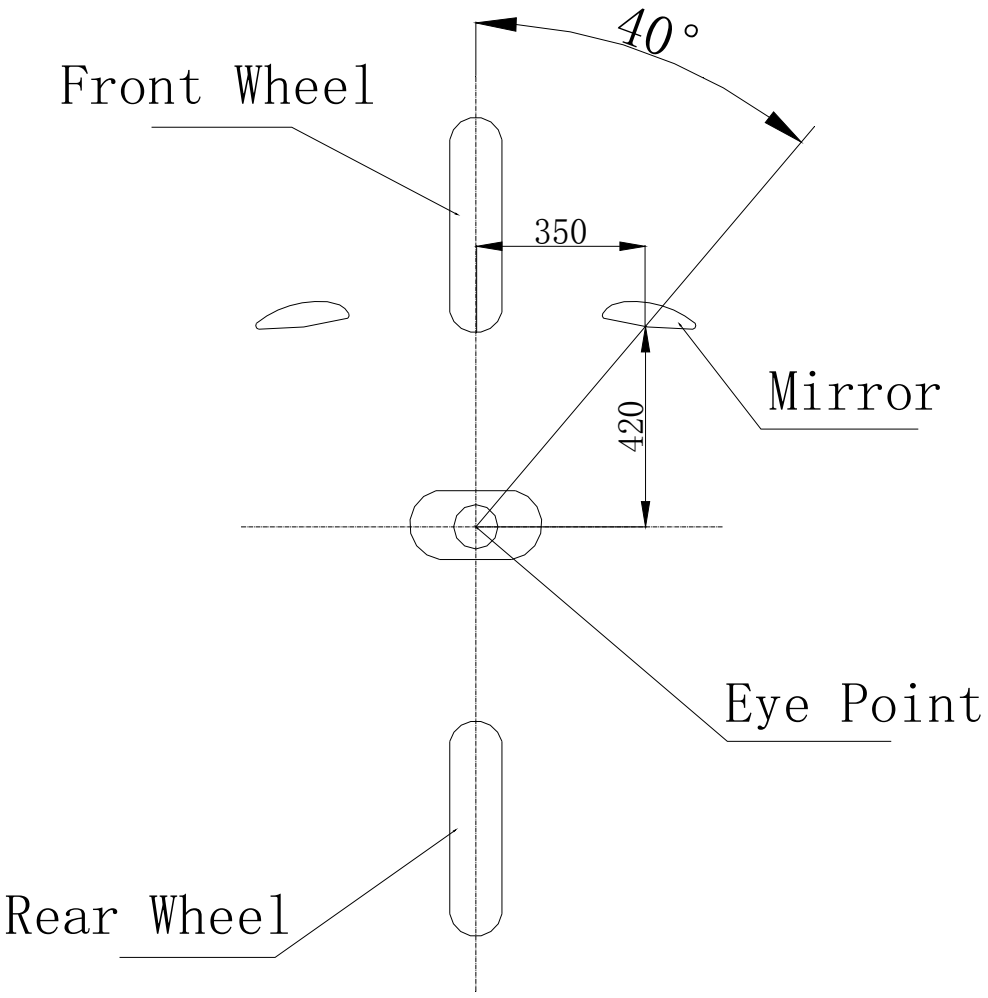
Vehicle Type	XR-V5
Horn Installation	
Drawing No.	XR-V5-19



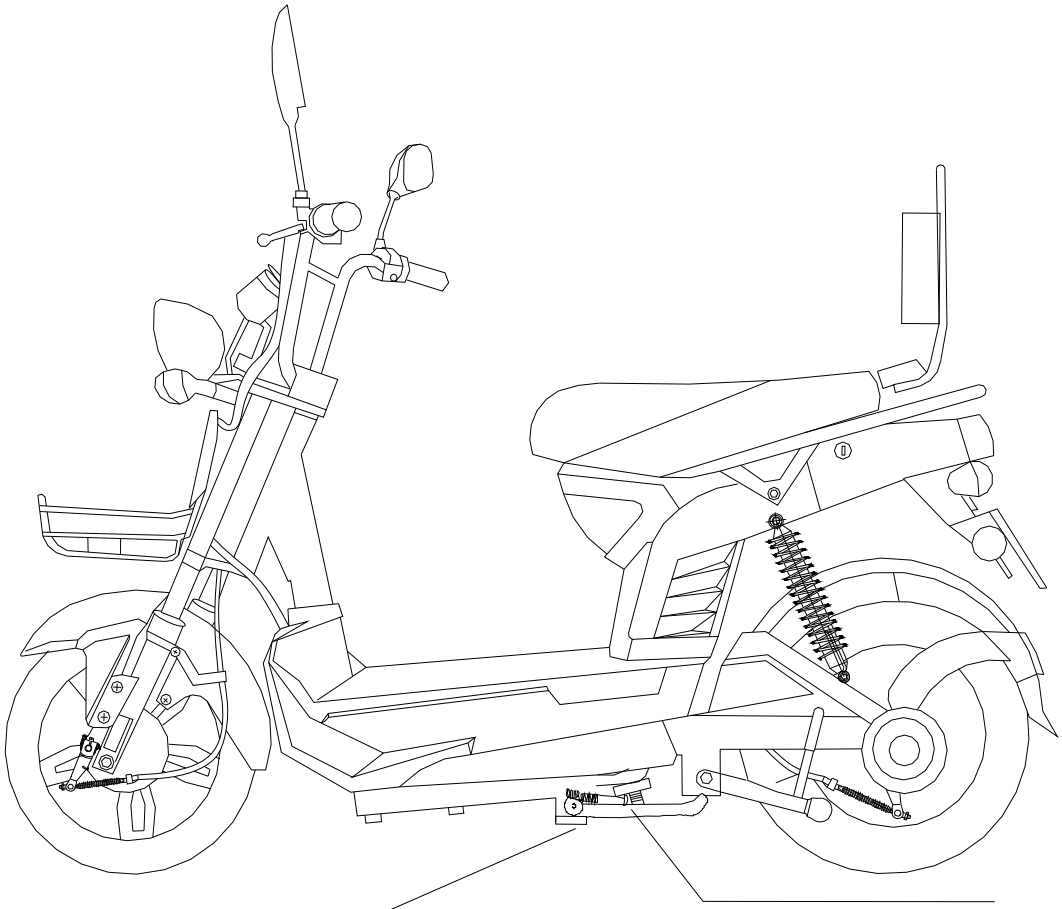
Vehicle Type	XR-V5
Space For Rear Registration Plate	
Drawing No.	XR-V5-20



Vehicle Type	XR-V5
Mirror Position(1)	
Drawing No.	XR-V5-21

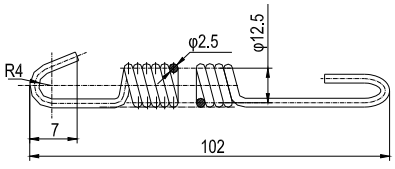


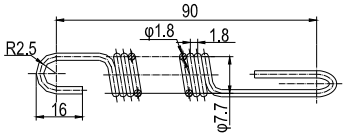
Vehicle Type	XR-V5
Mirror Position(2)	
Drawing No.	XR-V5-22

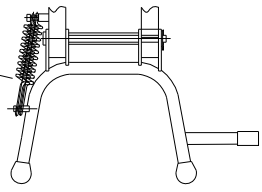


Double Spring

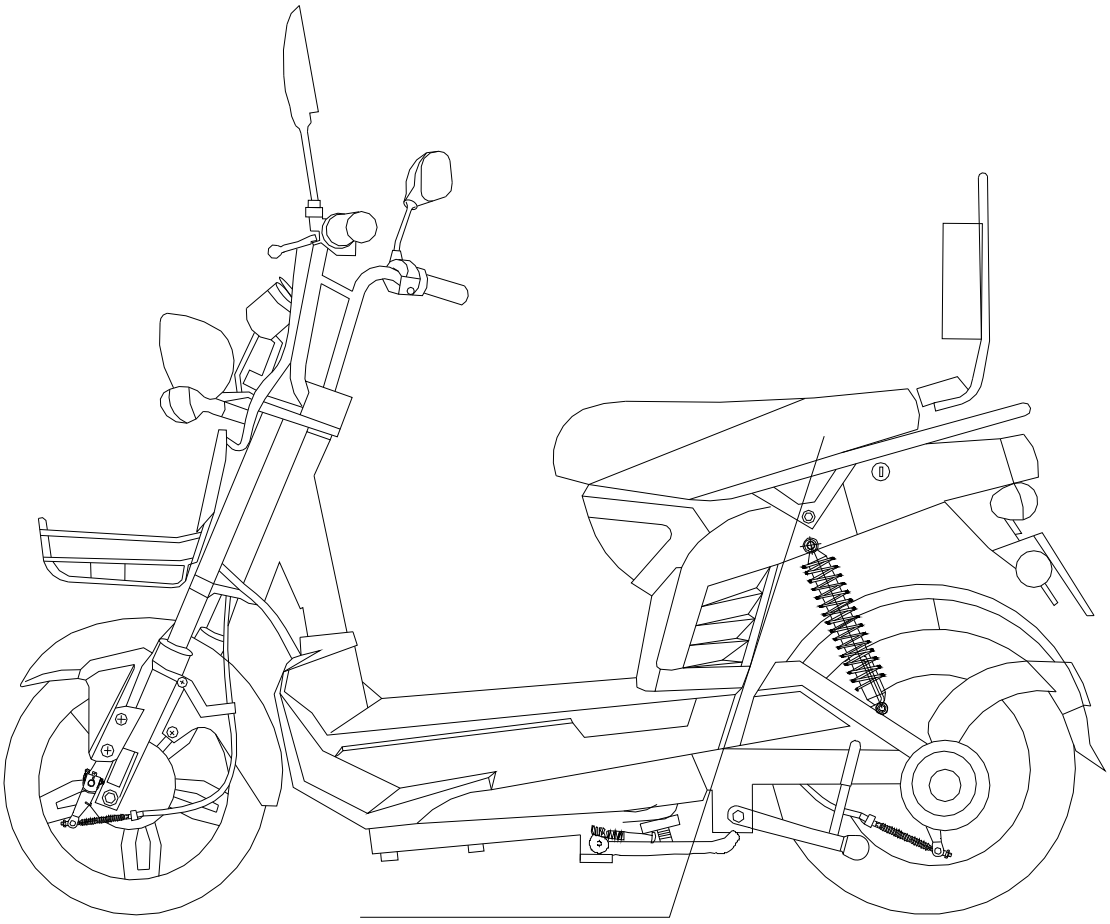
Parking Switch





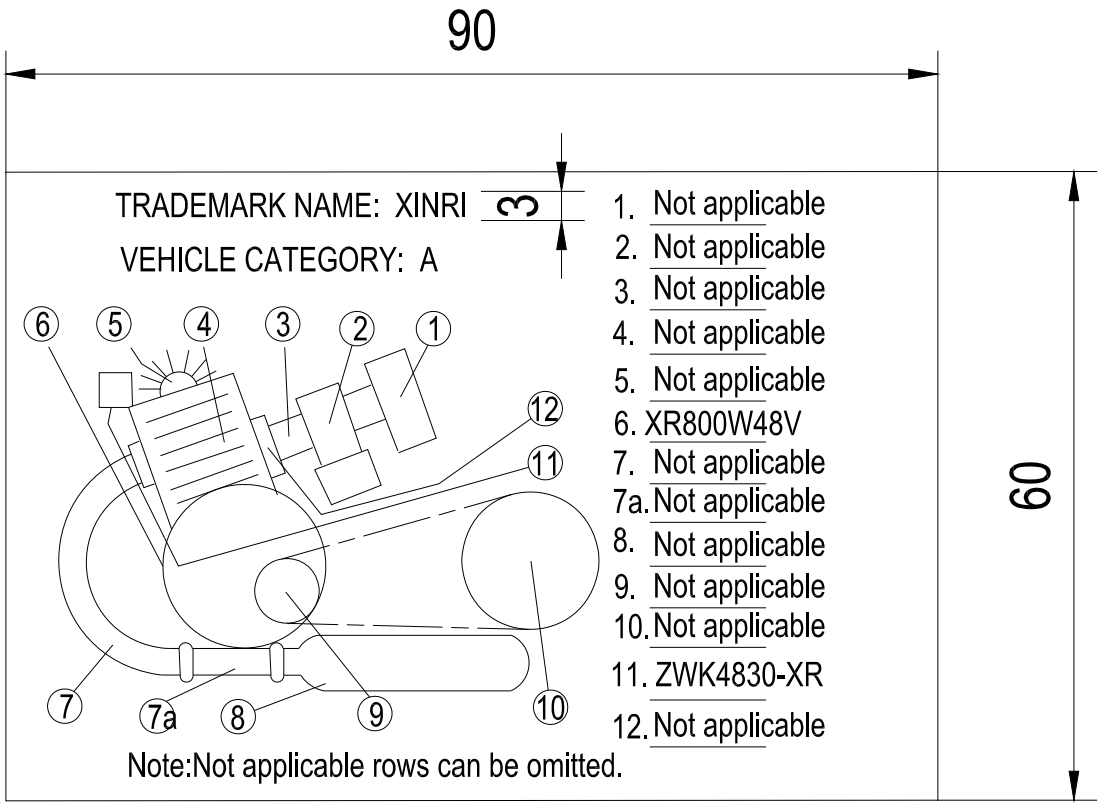


Vehicle Type	XR-V5
Stand	
Drawing No.	XR-V5-23

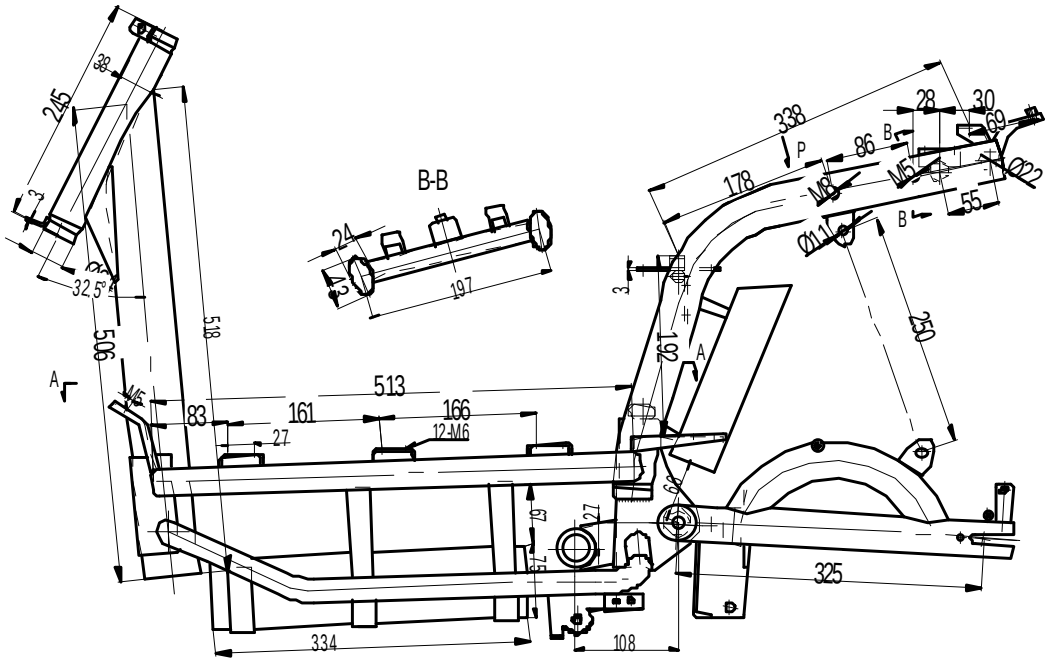


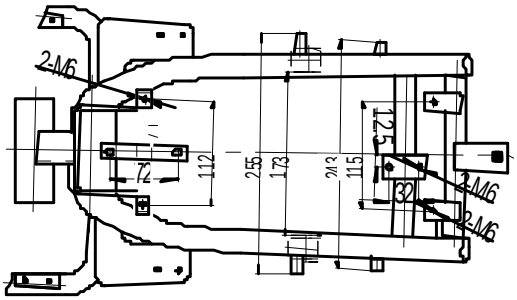
X 1130,Y 0,Z 580(r/o)

Vehicle Type	XR-V5
Anti Tampering location	
Drawing No.	XR-V5-24

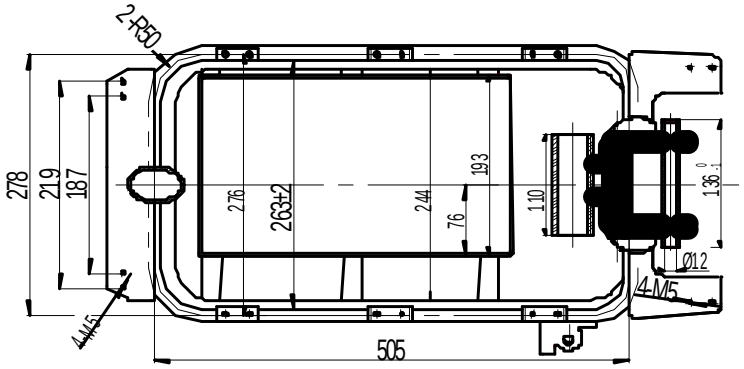


Vehicle Type	XR-V5
Anti Tampering Control Plate	
Drawing No.	XR-V5-25

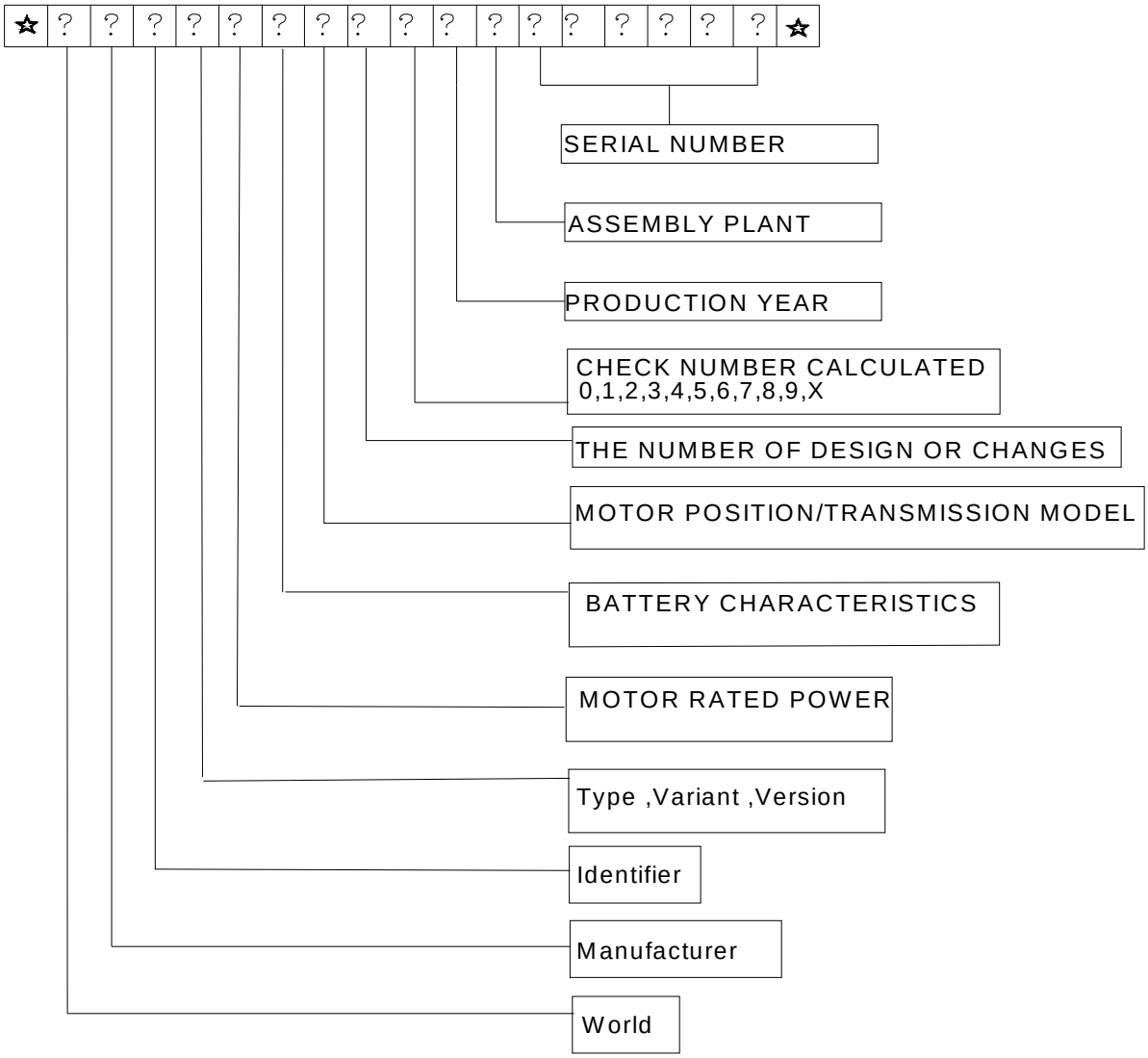




A--A



Vehicle Type	XR-V5
Frame	
Drawing No.	XR-V5-26



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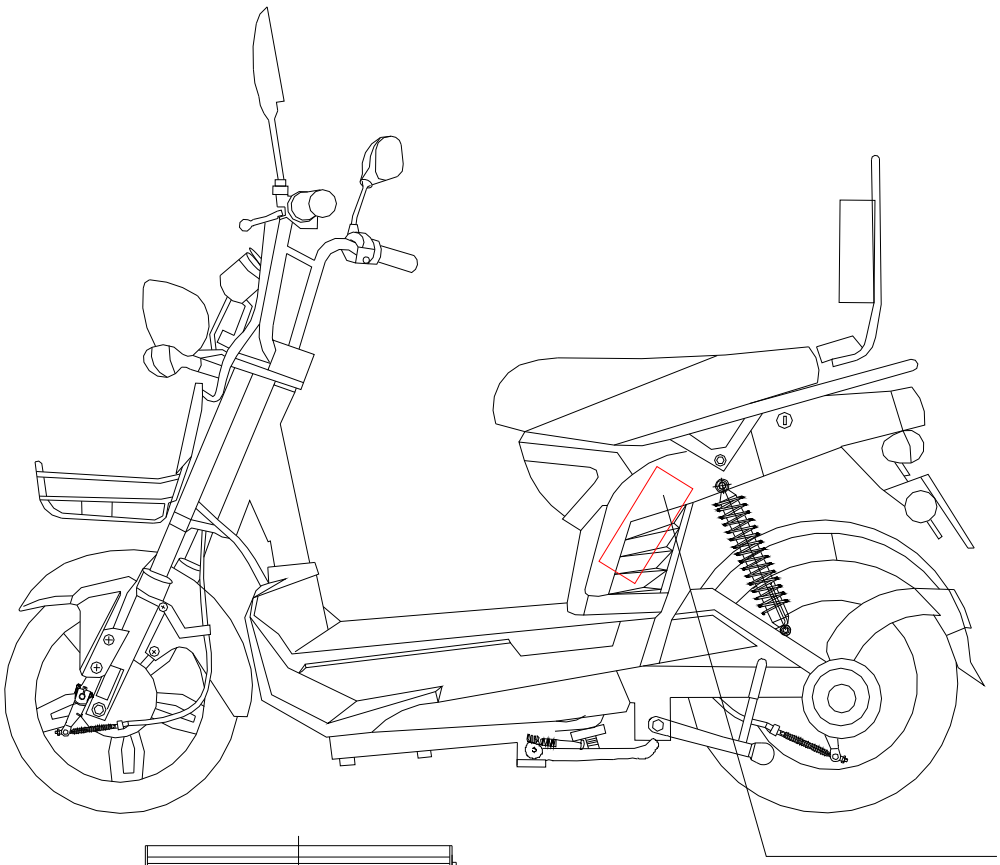
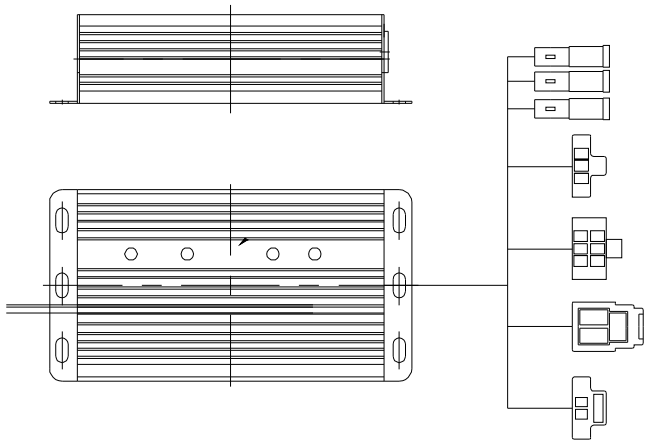
Vehicle Type	XR-V5
VIN Structure	
Drawing No.	XR-V5-27



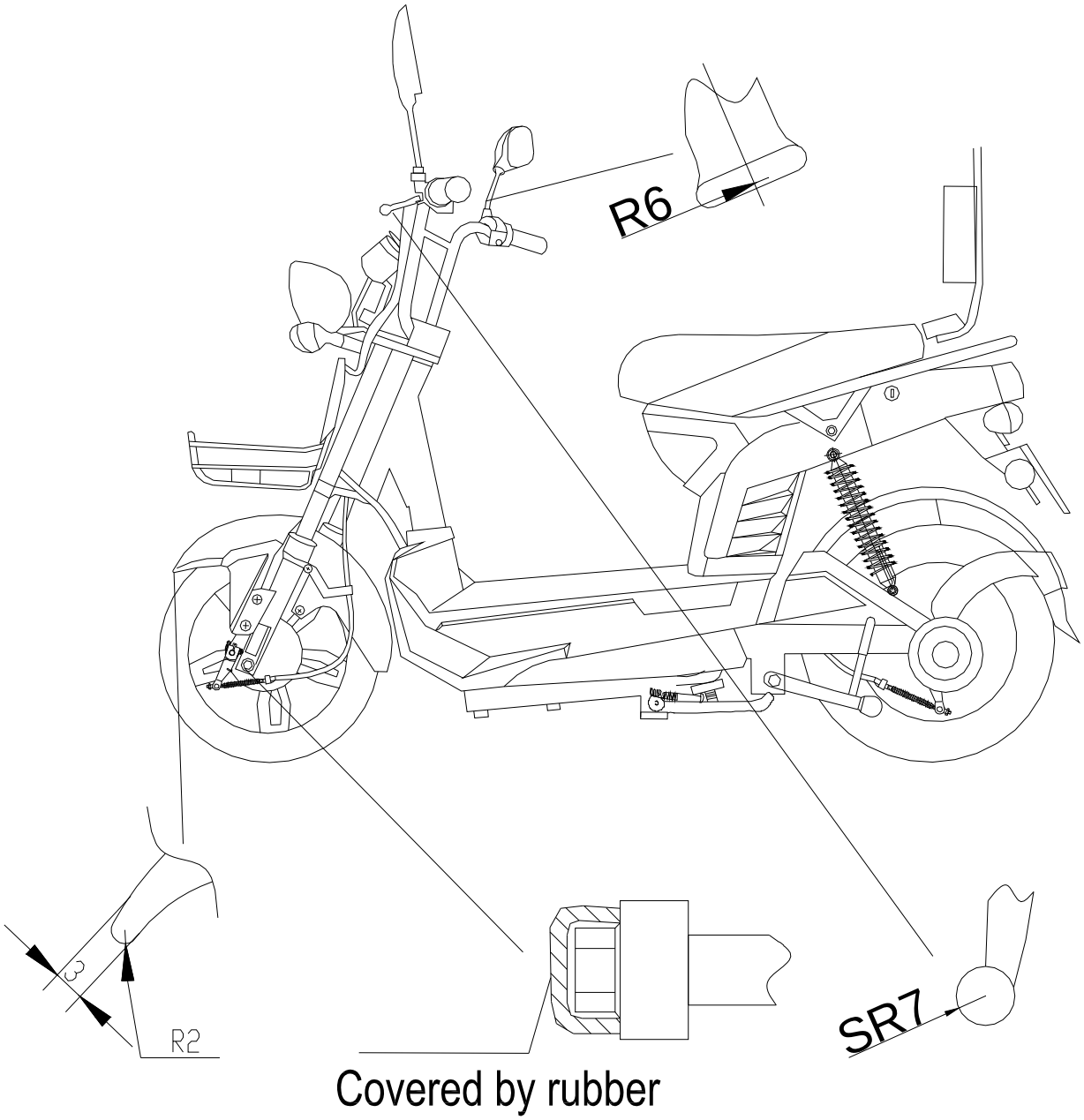


Controller

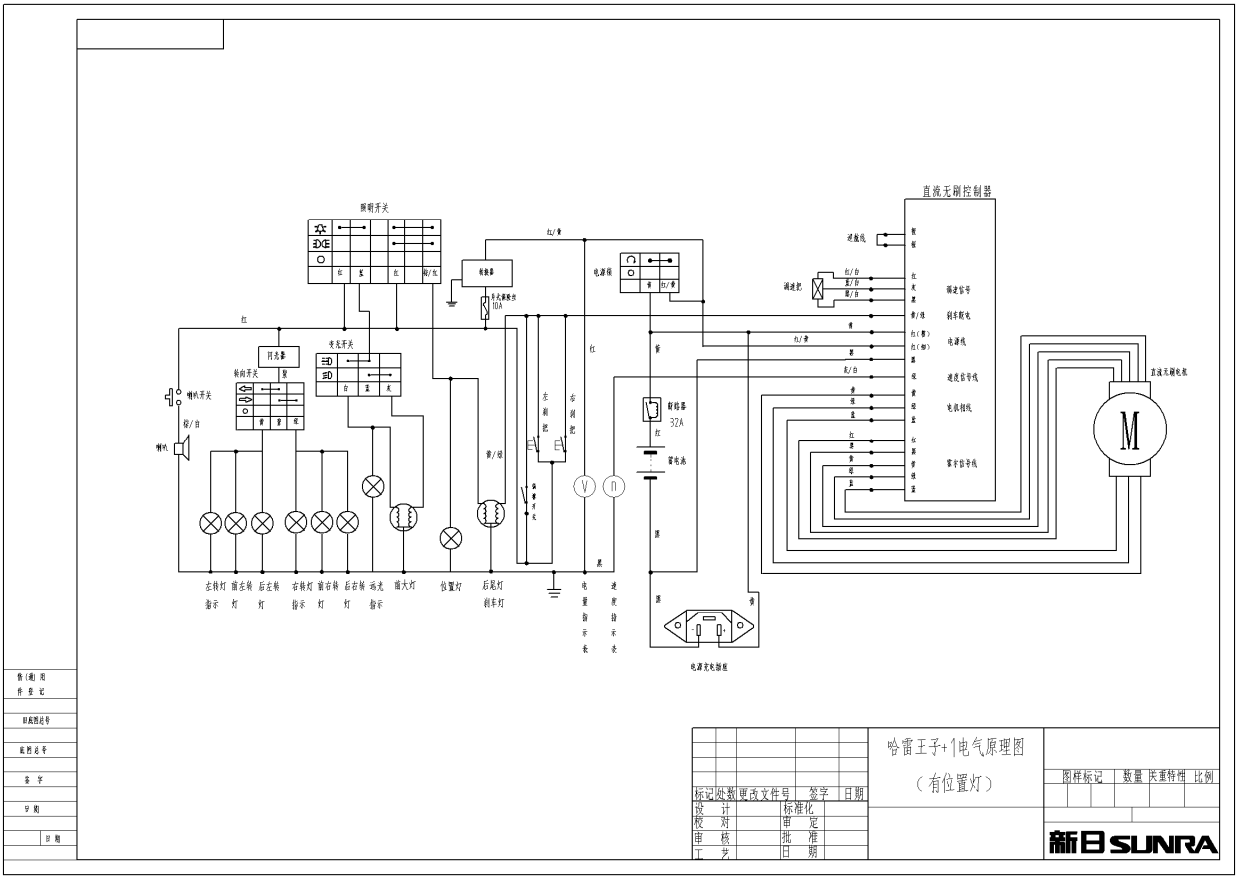
MAKE:XINRI

TYPE:ZWK4830-XR

Vehicle Type	XR-V5
Controller	
Drawing No.	XR-V5-28



Vehicle Type	XR-V5
External projection	
Drawing No.	XR-V5-29



Vehicle Type	XR-V5
Circuit diagram	
Drawing No.	XR-V5-30

Vehicle Certification Agency,
1 The Eastgate Office Centre
Eastgate Road, Bristol,
BS5 6XX,
United Kingdom
Telephone :+44(0)117 951 5151
Fax:+44(0)117 952 4103
Email:enquiries@vca.gov.uk
www.dft.gov.uk/vca

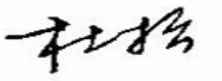
TEST REPORT: Whole Vehicle Type Approval 2 and 3 Wheeled Vehicles and Quadricycles

EC Directive 2002/24/EC Consolidated to Regulation (EC) No. 1137/2008(+2013/60/EU)

Report/Job Number: CWQ316164

TEST DETAILS	
Subject	EC Whole Vehicle
EC Directive	2002/24/EC Consolidated to Reg (EC) No 1137/2008 Motor Cycles
ECE Regulation	N/A
Location of Test	Nanchang Motorcycle Quality Inspection and Testing Center
Date of Test	12 JUNE 2015
VCA Representative	Du Song
Manufacturer's Representative	Xu Zhibin
Reason for Test	New approval

MANUFACTURER DETAILS	
Manufacturer's Name	Jiangsu Xinri E-Vehicle Co.,Ltd.
Manufacturer's Address	No.501,Xishan Avenue,Xishan District,Wuxi City,Jiangsu Province,China
Model Type & description	XR-V5
Category	L1e

CONCLUSION	
	The above mentioned vehicle was tested in accordance with EC Directive 2002/24/EC consolidated to Regulation (EC) No. 1137/2008 and was found to comply in all respects Signature:  Name: Du Song Position: Test Engineer Date: 23 JUNE 2015

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VERSION/VARIANT SELECTION RATIONALE:

Single variant

	Subject	Job Number	Approval Number	Applicable to this vehicle category and configuration?	Complies
95/1	Maximum torque and net power	N/A	N/A	N/A	N/A
97/24 (Ch. 7)	Anti-tampering	N/A	N/A	Y	N/A
97/24 (Ch. 6)	Fuel tank	N/A	N/A	N/A	N/A
	Maximum design speed	CWQ316164	N/A	N/A	Yes
93/93	Masses and dimensions	CWQ316164	N/A	Y	Yes
97/24 (Ch. 5)	Anti air pollution measures	N/A	N/A	N/A	N/A
97/24 (Ch.1)	Tyres	CWQ316164	FR: E4-75R-0006290 RE: E4-75R-0006291	Y	Yes
93/14	Braking system	CWQ316164	N/A	Y	Yes
2006/27 Reg 78	Braking system	N/A	N/A	N/A	N/A

	Subject	*Job Number*	*Approval Number*	*Applicable*	*Complies*
93/92	Lighting installation	CWQ316164	See information documentation	Y	Yes
93/30	Audible warning	CWQ316164	E4-000296	Y	Yes
2009/62	Rear registration plate space	CWQ316164	N/A	Y	Yes
97/24 (Ch. 8)	Electromagnetic compatibility	CWQ316164	N/A	Y	Yes
97/24 (Ch. 9)	Sound levels	N/A	N/A	N/A	N/A
97/24 (Ch.4)	Rear view mirrors	CWQ316164	E4-001192	Y	Yes
97/24 (Ch.3)	External projections	CWQ316164	N/A	Y	Yes
2009/78	Stands	N/A	N/A	Y	N/A
93/33	Anti theft	CWQ316164	N/A	Y	Yes
2009/79	Passenger hand holds	N/A	N/A	N/A	N/A
2000/7	Speedometer	CWQ316164	N/A	Y	Yes
2009/80	Identification of controls	CWQ316164	N/A	Y	Yes
2009/139	Statutory plates	CWQ316164	N/A	Y	Yes

	Subject	*Job Number Applicable*	*Approval Number*	*Complies*	
Reg 100	Electric vehicles- construction & safety Current	N/A	N/A	Y	N/A

\

Annex 1: Check List

MANUFACTURER DETAILS	
Manufacturer's Name	Jiangsu Xinri E-Vehicle Co.,Ltd.
Model Type	XR-V5
Description	Moped
Category	L1e

WVTAyrryh	
Subject	**Job No. /Component Approval No./ Part No./Notes**
Braking	CWQ316164/NA/Fr: Mechanical drum(Ø110),Rr: Mechanical drum(Ø110)/ Fr: disc Rr: drum/ DWG XR-V5-09
I.D. of controls	CWQ316164/NA/ DWG XR-V5-15
Audible warning devices	CWQ316164 E4-28R-000296/ DWG XR-V5-19 electro magnetic with resonator disc,single-tone
Stands	CWQ316164/NA/ N/A
Passenger hand holds	CWQ316164/NA/ N/A
Unauthorised use	CWQ316164/NA/ DWG XR-V5-18
Statutory markings	CWQ316164/NA/ DWG XR-V5 -16
Installation of lighting	CWQ316164/refer to table- LIGHTING INSTALLATION /DWG XR-V5-14
Masses and dimensions	CWQ316164/NA/DWG XR-V5-01
Space for rear plate	CWQ316164/NA/DWG XR-V5-20
Max. Torque/ net engine power	CWQ316164/NA/NA
Tyres	CWQ316164/refer to table-TYRES/ N/A
Lighting and light signalling	not applicable
External projections	CWQ316164/NA/
Rear view mirrors	CWQ316164/ E11-R81-001192/DWG XR-V5-22
Measures against air pollution	N/A
Fuel tanks	N/A
Anti-tamper	CWQ316164/NA/ CWQ316164/NA/N/A
E.M.C	CWQ316164/NA/NA
Noise level and exhaust systems	Not applicable
Coupling devices and attachment	Not applicable
Belt anchorages and belts	Not applicable
Glazing , wipers & washers	Not applicable
Defrosting & demisting devices	Not applicable
Speedometer	CWQ316164/NA/DWG XR-V5 -04

TEST REPORT: Whole Vehicle Type Approval 2 and 3 Wheeled Vehicles and Quadricycles EC Directive 2002/24/ EC Consolidated to Regulation (EC) No. 1137/2008(+2013/60/EU)

Subject	*Job Number*	*Approval Number*	*Complies Applicable*

CHASSIS NUMBER																			
Ref		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
	☆	1	2	2	4	2	1	7	5	5	3	0	0	2	1	9			☆

Masses		
Vehicle in running order (kg)	90kg	
Distribution (F/R) (kg)	40kg	50kg
Vehicle in running order+rider (kg)	165kg	
Distribution (F/R) (kg)	65kg	100kg
Max. Tech. Mass (kg)	165kg	
Distribution (F/R) (kg)	65kg	100kg
Max. Towable mass (kg)	N/A	

DIMENSIONS	
Length (mm)	1690
Width (mm)	720
Height (mm)	1100
Rear View Mirrors Installation	
Height (mm)	1245
Width (mm)	820

Engine	
Manufacturer	Jiangsu Xinri E-Vehicle Co.,Ltd.
Make	SUNRA
Type	XR1500W72V
Cycle 2/4 stroke	N/A
Fuel	Electric motor
Cyl.(no./layout)	N/A
Cap. (CC)	N/A
Max. Net power (kW)	0.8
Position	At the centre of rear wheel

TRANSMISSION	
Final drive ratio	N/A
Type man/auto	N/A
No. Of speeds	45 km/h
Method of selection	N/A

TYRES	Size	Speed Rating	Load Rating	Approval No.
Front	16X2.5	F	36	E4-75R-0006290
Rear	16X3.0	F	36	E4-75R-0006291
Spare	N/A	N/A	N/A	N/A

BRAKING				
Ref.	**CWQ316164**			
Approval No.	N/A			
FRONT BRAKES	Drum			
Pad material	Asbestos free			
Pad size	2500	mm^2		mm^2
Master cyl.dia.	N/A	mm		mm
Lever ratio	145:25			
Wheel cyl. Dia. / No.	N/A	mm		mm
Drum dimensions	110mm	mm		mm
Hydraulic reservoir	N/A			
REAR BRAKES	Drum			
Pad material	Asbestos free			
Pad size	2500	mm^2		mm^2
Master cyl.dia.	N/A	mm		mm
Lever ratio	150:30			
Wheel cyl. Dia. / No.	N/A	mm		mm
Drum dimensions	110mm	mm		mm
Hydraulic reservoir	N/A			
Anti-lock	not applicable			

INSTALLATION OF LIGHTS		
Description	**Identification**	
	Part No. / Drawing No.	Approval No.
Rear DI	Drawing No. XR-V5-14	E4-50R-002288
Front DI	Drawing No. XR-V5-14	E4-50R-002288
Head lamp	Drawing No. XR-V5-14	E4-113R-000253
Rear lamp	Drawing No. XR-V5-14	E4-50R-0014348
Rear reflector	Drawing No. XR-V5-14	IA-E9-02.1269
Side reflector	Drawing No. XR-V5-14	IA-E9-02.1270

INSTALLATION OF OTHER		
Description	**Identification**	
	Part No. / Drawing No.	Approval No.

Subject	*Job Number*	*Approval Number*	*Complies Applicable*
Horn	Drawing No. XR-V5-19	E4-28R-000296	
Mirror – Left	Drawing No. XR-V5-25	E11-R81-001192	
Mirror- Right	Drawing No. XR-V5-25	E11-R81-001192	

VEHICLE CERTIFICATION AGENCY

Vehicle Certification Agency, 1 The Eastgate Office Centre
Eastgate Road, Bristol, BS5 6XX, United Kingdom
☎Switchboard: 0117 951 5151
System and Component Section Fax: 0117 952 4163

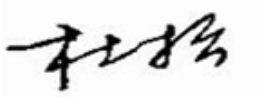
TEST REPORT: MAXIMUM DESIGN SPEED OF TWO OR THREE WHEEL MOTOR VEHICLES

03-021.

Report/Job Number:CWQ316164

TEST DETAILS	
Subject	MAXIMUM DESIGN SPEED OF TWO OR THREE WHEEL MOTOR VEHICLES (Mopeds and light quadricycles only)
EC Directive	95/1/EC – 2006/27/EC
ECE Regulation	N/A
Location of Test	No.1218 West Wenyi Road, HangZhou,China
Date of Test	09 June 2015
VCA Representative	Du Song
Manufacturer's Representative	ZhiBin Xu
Reason for Test	New Approval

MANUFACTURER DETAILS	
Manufacturer's Name	Jiangsu Xinri E-Vehicle Co.,Ltd.
Manufacturer's Address	No.501,Xishan Road,Anzhen Town,Xishan District,Wuxi City,Jiangsu,P.R.China
Model Type & description	XR-V5
Category	L1e

CONCLUSION	
	The above mentioned vehicle was tested in accordance with EC Directive 95/1/EC as amended by 2006/27/EC MAXIMUM DESIGN SPEED and was found to comply in all respects Signature:  Name: Du Song Position: Test Engineer Date: 30 JUNE 2015

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VEHICLE CERTIFICATION AGENCY

TEST REPORT: MAXIMUM DESIGN SPEED OF TWO OR THREE WHEEL MOTOR VEHICLES

Paragraph	*Parameter*	*Complies*

TEST SPECIFICATION/WORST CASE RATIONALE: Single variant

1	Risk assessment completed and stored in job folder	N/A
2	Facilities and test equipments are appropriate	Yes
3	Calibration certificates checked and valid, recorded below	Yes

Equipment	Serial No.	Calibration data
Motorcycle test apparatus	ML300	16 August 2014
Aneroid barometer	DYM3	23 August 2014

Manufacturer's documentation complete		Yes
Manufacturers Declared Maximum Speed	:45 km/h	
Engine Number:	Not applicable	N/A
Mass in running order with rider:	315kg	Yes. Yes
Transmission and gearbox:		N/A
Final Drive Ratio:		N/A
Tyres:	Front: 3.00-12 Rear: 4.00-12	Yes Yes
Tyre Pressures kPa:	Front:250 kPa Rear:250 kPa	Yes Yes
Rider Weight (75 +/-2kg): Rider Height (1.75 +/-0.02m)	75kg 1.73m	Yes Yes
Atmospheric Conditions: Atmospheric pressure (limit 87 to 107 kPa) Temperature (limit 5 to 35 °C) Relative Humidity (limit 30 to 90 %) Wind Speed (limit av 3 m/s 5m/s gusts,	 100.7kPa 25.7°C 72.9% 0 m/s	 Yes Yes Yes Yes

TEST REPORT: MAXIMUM DESIGN SPEED OF TWO OR THREE WHEEL MOTOR VEHICLES

Paragraph	*Parameter*		*Complies*
	measured 1m above ground)		
	Wind direction	N/A	N/A
	Axial Wind Speed (For one direction testing limit 1 m/s)		Yes
	Description of riding position:	Normal riding position	Yes

TEST RESULTS

TEST 1	LEFT	RIGHT
Trap 1	43.5km/h	43.3m/h
Trap 2	43.7km/h	43.5km/h
TEST 2		
Trap1		
Trap 2		
TEST 3		
Trap1		
Trap 2		
TEST 4		
Trap1		
Trap 2		

Average test result: 43.5km/h

Test result (rounded km/h) 44 km/h

Left runs all within 3%? Yes

Right runs within 3%? Yes

Test result within 5% of declared maximum speed? Yes.

07-Jul-15 UK Approval Authority

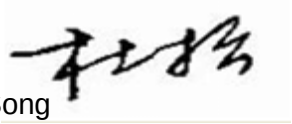
Vehicle Certification Agency,
1 The Eastgate Office Centre
Eastgate Road,
Bristol,
BS5 6XX,
United Kingdom.
Telephone: +44 (0) 117 951 5151
Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
www.vca.gov.uk

TEST REPORT: MASSES AND DIMENSIONS OF TWO OR THREE WHEELED MOTOR VEHICLES
Directive 93/93/EC as amended by Directive 2004/86/EC
Regulation NA

REPORT/JOB NUMBER:	CWQ316164

TEST DETAILS	
Location of Test	No.1218 West Wenyi Road, HangZhou,China
Date of Test	09 June2015
VCA Representative	Du Song
Manufacturer's Representative	ZhiBin Xu
Reason for Test	New Approval

MANUFACTURER DETAILS	
Manufacturer's Name	Jiangsu Xinri E-Vehicle Co.,Ltd.
Manufacturer's Address	No.501,Xishan Road,Anzhen Town,Xishan District,Wuxi City,Jiangsu,P.R.China
Model Type & description	XR-V5
Category	L1e

CONCLUSION	The above mentioned vehicle was tested in accordance with EC Directive 93/93/EEC as last amended by 2004/86/EC and was found to comply in all respects Signature:  Name: Du Song Position: Test Engineer Date: 09 January 2015

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TEST REPORT: MASSES AND DIMENSIONS OF TWO OR THREE WHEELED MOTOR VEHICLES
Directive 93/93 as amended by Directive 2004/86/EC
Regulation NA

TEST SPECIFICATION AND WORST CASE RATIONALE

Single variant

Tests required (if more than one is applicable):

- Geometric dimension test

COMPONENT SPECIFICATION (as specified in agreed worse case rationale)

MANUFACTURER'S DOCUMENTATION

Manufacturer's documentation is complete and reflects the agreed specification for the component tested and covers all variants and versions agreed in the worse case rationale — Yes

FACILITY AND EQUIPMENT CHECKS

1 Generic Risk assessment followed — *Insert RA identifier here* — N/A

OR

Specific Risk assessment completed and stored in electronic job folder — N/A

2 Facilities and test equipment are appropriate — Yes

Brief description of test equipment: Electronic platform scale.

3 Calibration certificates checked and valid, recorded in the following table — Yes

Equipment	Serial No.	Calibration data
TCS-300	10K2794	23 April 2015

Manufacturer's documentation complete — Yes

07-Jul-15
VCA Approval Authority

TEST REPORT: MASSES AND DIMENSIONS OF TWO OR THREE WHEELED MOTOR VEHICLES
Directive 93/93 as amended by Directive 2004/86/EC
Regulation NA

VERIFICATION OF MASSES

CONDITIONS OF THE VEHICLE					
MASSES (kg)	(a) UNLADEN	(b) IN RUNNING ORDER	(c) IN RUNNING ORDER PLUS RIDER	(d) MAX PAYLOAD	(e) MAX PERMISSIBLE
Declared FRONT AXLE		40	65		65
As tested	40	40	65		
Declared REAR AXLE		50	100		100
As tested	50	50	100		
Declared COMBINED	90	90	165	0	165
As tested	90	90	165		

Percentage error between the declared and tested masses for the vehicle in running order {column (b)}:

FRONT AXLE (Less than 5%)	0	%	Yes
REAR AXLE (Less than 5%)	0	%	Yes
COMBINATION	0	%	Yes

Percentage error between the declared and tested masses for the vehicle in running order, together with the rider {column (c)}:

FRONT AXLE (Less than 5%)	0	%	Yes
REAR AXLE (Less than 5%)	0	%	Yes
COMBINATION	0	%	Yes

	Masses of the vehicle in running order {column (b) correspond to those declared by the manufacturer	Yes
	Masses of the vehicle in running order, together with the rider {column (c)} correspond to those declared by the manufacturer	Yes
	The sum of the combined masses verified in columns (c) and (d) is	Yes

07-Jul15

	equal to or less than the maximum mass stated by the manufacturer	
	The sum of the technically permissible maximum masses of the axles is at least equal to the technically permissible mass of the vehicle	Conf.
3.2.4	Maximum mass of trailer, where applicable, is equal to or less than 50% of the unladen vehicle mass	N/A

2002/24 WV

Unladen weight (declared a) for quadricycles is:

Not more than 350kg for light quadricycles**	N/A
Not more than 400kg for quadricycles**	N/A

** Batteries can be removed from unladen mass see 2002/24 Article 1

THREE-WHEEL MOTOR VEHICLES:

3.2.2.1	The combined mass in column (a) is equal to or less than 270 kg (mopeds)	Yes
3.2.2.1	The combined mass in column (a) is equal to or less than 1000 kg (tricycles**)	N/A
3.2.3.1	The combined mass in column (d) is equal to or less than 300 kg (mopeds)	Yes
3.2.3.3.1	The combined mass in column (d) is equal to or less than 1500 kg (tricycles used for transport of goods)	N/A
3.2.3.3.2	The combined mass in column (d) is equal to or less than 300 kg (tricycles used for transport of persons)	N/A

FOUR-WHEEL MOTOR VEHICLES:

3.2.2.2	The combined mass in column (a) is equal to or less than 350 kg (light quadricycles)	
3.2.2.2	The combined mass in column (a) is equal to or less than 400 kg (quadricycles other than light used for transport of persons)	
3.2.2.2	The combined mass in column (a) is equal to or less than 550 kg (quadricycles** other than light used for transport of goods)	
3.2.3.2	The combined mass in column (d) is equal to or less than 200	

	kg (light quadricycles)	
3.2.3.4.1	The combined mass in column (d) is equal to or less than 1000 kg (quadricycles other than light used for transport of goods)	
3.2.3.4.2	The combined mass in column (d) is equal to or less than 200 kg (quadricycles other than light used for transport of persons)	

VERIFICATION OF DIMENSIONS

DIMENSIONS (mm)	Length	Width	Height
Declared	1690	720	1100
Measured	1690	720	1100

3.1.1.1	Length equal to or less than 4.00 m	Yes
3.1.1.2	Width equal to or less than 1.00 m (two-wheel moped)	Yes
3.1.1.2	2.00 m (other vehicles)	N/A
3.1.1.3	Height equal to or less than 2.50 m	Yes

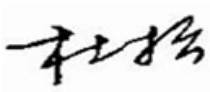
Vehicle Certification Agency
1 The Eastgate Office Centre
Eastgate Road
Bristol
BS5 6XX
United Kingdom
Telephone: +44 (0) 117 951 5151
Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
www.dft.gov.uk/vca/

TEST REPORT: FITTING OF TYRES TO TWO OR THREE WHEEL MOTOR VEHICLES

03-026

TEST DETAILS	
Subject	FITTING OF TYRES TO TWO OR THREE WHEEL MOTOR VEHICLES
EC Directive	97/24/EC CHAPTER 1
ECE Regulation	N/A
Location of Test	No.1218 West Wenyi Road, HangZhou,China
Date of Test	09 JUNE 2015
VCA Representative	Du Song
Manufacturer's Representative	ZhiBin Xu
Reason for Test	New approval

MANUFACTURER DETAILS	
Manufacturer's Name	Jiangsu Xinri E-Vehicle Co., Ltd.
Manufacturer's Address	No.501,Xishan Road,Anzhen Town,Xishan District,Wuxi City,Jiangsu,P.R.China
Model Type & description	XR-V5
Category	L1e

CONCLUSION	
	The above mentioned vehicle was tested in accordance with EC Directive 97/24/EC CHAPTER 1 and was found to comply in all respects
	
	Signature:
	Name: Du Song
	Position: Test Engineer
	Date: 23 JUNE 2015

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VEHICLE CERTIFICATION AGENCY

TEST REPORT: FITTING OF TYRES TO TWO OR THREE WHEEL MOTOR VEHICLES

TEST SPECIFICATION/WORST CASE RATIONALE: Single variant		
1	Risk assessment completed and stored in job folder	Yes
2	Facilities and test equipments are appropriate	N/A
3	Calibration certificates checked and valid, recorded below	N/A

Equipment	Serial No.	Calibration data

Manufacturer's documentation complete — Yes

MAXIMUM AXLE WEIGHT: FRONT:64g REAR:100kg

MAXIMUM SPEED:Variant1: 30 km/h

Details of tyres fitted to vehicle:

	Make	Size	LCI	Load kg	Speed Rating	Speed km/h	Approval No:
Front Axle	Cheng Shin	16X2.5	36	125	F	80	E4-75R-0006290
Rear Axle	Cheng Shin	16X3.0	36	125	F	80	E4-75R-0006291
Spare	N/A						

		Complies Yes/NA
Annex III	REQUIREMENTS FOR VEHICLES WITH REGARD TO THE FITTING OF THEIR TYRES:	
1.1	General	
	Subject to the provisions of section 2 every tyre fitted to a vehicle, including any spare, must bear the EC component type-approval mark (97/24) or the type-approval mark indicating compliance with ECE Regulation Nos: 30, 54, 64 or 75 as referred to in Article 4 of this Directive	Yes
1.2	Tyre fitment	

1.2.1	All of the tyres fitted to a vehicle must have the same speed categories symbol (Annex II 1.1.5)	Yes
1.2.2	All of the tyres fitted to one axle must be of the same type (see Annex II, section 1.1)	Yes
1.2.3	The space in which the wheel revolves must be such as to allow unrestricted movement when using the maximum permissible size of tyres within the suspension and steering constraints provided by the vehicle manufacturer	Yes

2	Special Cases:	
2.1	Motorcycles with side car, three wheel mopeds, tricycles and quadricycles may be fitted with tyres approved to 92/23/EC	
2.2	Mopeds, motorcycles type may be fitted	
2.3	Types for special conditions fitted? Give details:	N/A
2.4	Types for special conditions fitted to low performance mopeds (Annex 1 92/61/EC) Give details:	N/A

Remarks (if applicable): None

Vehicle Certification Agency
1 The Eastgate Office Centre
Eastgate Road
Bristol
BS5 6XX
United Kingdom
Telephone: +44 (0) 117 951 5151
Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
www.dft.gov.uk/vca/

TEST REPORT: Braking of two or three wheel motor vehicles

Directive 93/14/EEC as amended by Directive 2006/27/EC
UNECE Regulation 78.02

REPORT/JOB NUMBER:	CWQ316164

TEST DETAILS	
Location of Test	No.1218 West Wenyi Road, HangZhou,China
Date of Test	11 June 2015
VCA Representative(s)	Du Song
Manufacturer's Representative(s)	Xu Zhibin
Reason for Test	New approval

MANUFACTURER DETAILS	
Manufacturer's Name	Jiangsu Xinri E-Vehicle Co.,Ltd.
Manufacturer's Address	No.501,Xishan Road,Anzhen Town,Xishan District,Wuxi City,Jiangsu,P.R.China
Model Type & description	XR-V5
Category	L1e

CONCLUSION	
	The above mentioned vehicle was tested in accordance with EC Directive 93/14/EEC as amended by 2006/27/EC and UNECE Regulation 78.02 and was found to comply in all respects Signature: Name: Du Song Position: Type Approval Engineer Date: 30 June 2015

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07-Jul-15
Vehicle Approval Authority

TEST REPORT: Braking of two or three wheel motor vehicles

EC Directive 93/14/EEC
UNECE Regulation 78.02

TEST SPECIFICATION AND WORST CASE RATIONALE
Single variant

Tests required (if more than one is applicable)

- Laden test
-
-
-
-

COMPONENT SPECIFICATION (as specified in agreed worse case rationale)

Yes

MANUFACTURER'S DOCUMENTATION

Manufacturer's documentation is complete and reflects the agreed specification for the component tested and covers all variants and versions agreed in the worse case rationale

FACILITY AND EQUIPMENT CHECKS

1 Generic Risk assessment followed *Insert RA identifier here*

OR
Specific Risk assessment completed and stored in electronic job folder

2 Facilities and test equipment are appropriate
Brief description of test equipment:

3 Calibration certificates checked and valid, recorded in the following table

Equipment	Serial No.	Calibration data
Vbox3	/	20 MAY 2015

07-Jul-15
VCA Approval Authority

TEST REPORT: Braking of two or three wheel motor vehicles

EC Directive 93/14/EEC
UNECE Regulation 78.02

TEST SPECIFICATION:

	VEHICLE :
ENGINE:	Electric Motor
GEARBOX:	Not applicable
CATEGORY	L1e

	FRONT AXLE TYRES:
- SIZE/MAKE/TYPE	16X2.5
- PRESSURE (bar)	250kPa
- ROLLING RADIUS (mm)	212
- TREAD DEPTH (mm)	As new

	REAR AXLE TYRES:
- SIZE/MAKE/TYPE	16X3.0
- PRESSURE (bar)	250kPa
- ROLLING RADIUS (mm)	224
- TREAD DEPTH (mm)	As new

	BRAKE SYSTEM:
- FRONT AXLE (Disc/drum & dia, number/axle, piston sizes, master cyl dia, lever ratios, hand or foot)	Drum brake,dia:110mm, 1/axle.,. lever ratio:145:25, hand brake.(right side handlebar)
- FRONT BRAKE MATERIAL	No asbestos
- REAR AXLE (Disc/drum & dia, number/axle, piston sizes, master cyl dia, lever ratios, hand or foot)	Drum brake, 1/axle, Lever ratio:150:30, hand brake(left side handlebar)
- REAR BRAKE MATERIAL	No asbestos
- PARK BRAKE (Hand/foot, axle, brake type, dia, lever ratios)	Not applicable
FRONT/REAR INDEPENDENT OR SPLIT SYSTEM	Independent system
- ANY BRAKE DISTRIBUTION VALVE?	N/A
- ABS?	

TEST REPORT: Braking of two or three wheel motor vehicles

EC Directive 93/14/EEC
UNECE Regulation 78.02

TEST REQUIREMENTS

		Complies Yes/NA
	GENERAL CHECKS (STATICS)	
	Vehicle is as specified in documentation	Yes
2	Systems correctly mounted, made of suitable materials and fitted with locking devices where necessary	Yes
3.1.1.2	Brake linings asbestos free (Declared on drawings or confirmed by material manufacturer)	Yes
5.1.1.3 *2.2.1*	Two independent braking devices with independent controls(L1e, L2e, L3e, L4e, L6e category) OR	Yes
2.2.3.2	a service braking device which operates on all the wheels and a secondary braking device (L2e, L6e, L7e) Brief details: (i.e. foot operated service brake acting on all wheels – see spec on page 2)	N/A
2.2.2	Brake acting on sidecar wheel (L4e) if required	N/A
2.2.4.1	Foot controlled service brake acting on all wheels, and a secondary braking device (L5e,L6e,L7e) Brief details (i.e. foot operated service brake acting on all wheels – see spec on page 2)	N/A
2.1.2.1	Front and rear braking possible with both hands on the steering control	Yes
2.2.2	Parking brake device (L2e, L5e, L6e, L7e) acting on wheels of at least one axle and with: ~~independent control of service brake control (L5e, L6e, L7e)~~ or independent of braking device acting on other axle(s) (L2e,L6e)	N/A
2.1.2.3	Parking braking possible from normal driving position	N/A
2.1.2.3	Parking brake held on by PURELY mechanical device (L2e, L5e, L6e, L7e) {no hydraulic element allowed}	N/A
2.2.5	The braking devices must act on braking surfaces attached to	Yes

	wheels	
2.2.5	Parts amply dimensioned and readily accessible	Yes
2.2.7.1	Means of adjustment accessible and lever ratios appropriate for reserve travel. (Apply the maximum allowed lever force – there must be more travel available)	Yes
2.2.7	Brakes operate freely	Yes
2.1.2.1	Brakes graduable	Yes
2.2.7.3	Brake components do not contact anything other than intended parts	Yes

LINE PRESSURE RELATIVE TO CONTROL EFFORT
(if hydraulic pressure is measured for dynamic testing, pressure valves are fitted or brake boosted systems)

Control Effort (daN)										
Front line pressure/cable force* bar/daN										

LINE PRESSURE RELATIVE TO CONTROL EFFORT
(if hydraulic pressure is measured for dynamic testing, pressure valves are fitted or brake boosted systems)

Control Effort (daN)										
Rear line pressure/cable force* bar/daN										

TEST REPORT: Braking of two or three wheel motor vehicles

EC Directive 93/14/EEC
UNECE Regulation 78.02

DYNAMIC TESTING

Mass (kg)

Load Condition	Front Axle(s)	Rear Axle(s)	GVW
Laden^{++}	64	100	164
Unladen*	64	100	164

* Includes mass of rider, and test equipment, maybe higher than running order with rider weight due to equipment weight.

$^{++}$ **If unladen test mass is close to laden GVW testing may only be needed in one condition. The laden requirements must be meet.**

UNLADEN TESTS-Only laden test

Brake system and Load Condition		Nom Speed km/h	Recd Speed km/h	Recd Dist m	Distance corrected for speed m	Recd MFDD m/sec^2	~~Recd line pressure or~~ control effort ~~bar~~/daN
Front ~~(Or Service)~~	U/L						
Rear ~~(Or Secondary)~~	U/L						
LIMITS FRONT	U/L						
LIMITS REAR	U/L						
Connected stops (in gear)	30% Vmax						F R
Both Brakes Together	55% Vmax						F R
(Record max performance and stability, no distance or decal limits).	80% Vmax upto 160						F R

1.2.1.1 Record Distance and MFDD, both limits must be met.

Comment stability during connect stops:

NB: Wet test needs to be conducted Laden.-front and rear drum brake

SPECIAL TYPE `O' WET TEST - L1e, L2e, L3e AND L4e Exposed disc brakes							
	Brake system and Load condition		Nom Speed km/h	Recd Speed km/h		Deceleration m/s^2	~~Recd line pressure or~~ control effort ~~bar~~/daN
DRY REF	Front	U/L		27.48	MFDD 0.5 to 1.0 sec window		
	Rear				MFDD 0.5 to 1.0 sec window		
WET	Front	U/L	27	28.08	MFDD 0.5 to 1.0 sec window		
	Rear	U/L			MFDD 0.5 to 1.0 sec window		

Mean deceleration wet test at least 60% of dry reference (in 0.5 – 1.0 second window)	Front:68.7%	Yes
	Rear:-	N/A
Deceleration during wet test never more than 120% of dry reference	Front:	Yes
	Rear:-	N/A

TEST REPORT: Braking of two or three wheel motor vehicles

EC Directive 93/14/EEC
UNECE Regulation 78.02

LADEN TESTS

PARKING BRAKE GRADIENT TEST:N/A

Vehicle GVW on 18 % hill

Gradient used %	Facing	Control Force	Limit	Complies
18	UP			
18	DOWN			

Brake system and Load Condition		Nom Speed km/h	Recd Speed km/h	Recd Dist m	Distance corrected for speed m	Recd MFDD m/sec^2	Recd line pressure or control effort ~~bar~~/daN
Front (Or Service)	L	31.5	32.1	9.90	9.53	4.29	17.4
Rear (Or Secondary)	L	31.5	32.0	14.2	13.76	2.99	15.7
LIMITS FRONT	L				14.18	3.4	20
LIMITS REAR	L				17.33	2.7	20

1.2.1.1 Record Distance and MFDD, both limits must be met.

TYPE I TEST: COLD REFERENCE TEST (LADEN) L3 L4, L5, L7(N/A)
(Type O result can be used, or a lower effort cold reference to avoid wheel lock on hot stop if performance improves)

Brake system and Load condition		Nom Speed km/h	Recd Speed km/h	Recd Dist m	Distance corrected for speed m	MFDD m/sec^2	~~Recd line pressure or~~ control effort bar/daN
Front	L						
Rear							

TEST REPORT: Braking of two or three wheel motor vehicles

EC Directive 93/14/EEC
UNECE Regulation 78.02

TYPE I FADE TEST

FRONT BRAKE

Speed V km/h
Number of applications: 10
Interval Distance 1000 m
Control effort for repeated braking: Front daN (Force to give MFDD of 3.0) N/A

Time elapsed between last fade application and hot Type `O' test secs N/A

REAR BRAKE

Speed V km/h
Number of applications: 10
Interval Distance 1000 m
Control effort for repeated braking: Rear daN (Force to give MFDD of 3.0) N/A

Time elapsed between last fade application and hot Type `O' test secs N/A

		Nom Speed km/h	Recd Speed km/h	Recd Dist m	Distance corrected for speed m	Recd AV Decel m/sec^2	Recd line pressure or control effort bar/daN
HOT Type `O'	F	60					
	R	60					
Limit: 60% of cold reference	F	60					
	R	60					

TEST REPORT: Braking of two or three wheel motor vehicles

EC Directive 93/14/EEC
UNECE Regulation 78.02

Conditions during dynamic testing:

Wind speed : 0 km/h Ambient temperature 32.3 °C	Yes
Brakes were not binding or rubbing at ambient temperature	Yes
Subjective assessment of the handling and stability during braking, and the progressive action of the controls etc:	Yes

Remarks (if applicable): None

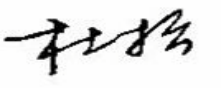
Vehicle Certification Agency,
1 The Eastgate Office Centre
Eastgate Road,
Bristol,
BS5 6XX,
United Kingdom.
Telephone: +44 (0) 117 951 5151
Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
www.dft.gov.uk/vca/

TEST REPORT: Installation of lights and light signalling devices on two and three wheel motor vehicles
Directive 2009/67/EC

REPORT/JOB NUMBER:	CWQ316164

TEST DETAILS	
Subject	Installation of lights and light signalling devices on two and three wheel motor vehicles
EC Directive	2009/67/EC
ECE Regulation	N/A
Location of Test	No.1218 West Wenyi Road, HangZhou,China
Date of Test	09 June 2015
VCA Representative	Du Song
Manufacturer's Representative	ZhiBin Xu
Reason for Test	New Approval

MANUFACTURER DETAILS	
Manufacturer's Name	Jiangsu Xinri E-Vehicle Co.,Ltd.
Manufacturer's Address	No.501,Xishan Road,Anzhen Town,Xishan District,Wuxi City,Jiangsu,P.R.China
Model Type & description	XR-V5
Category	L1e

CONCLUSION	The above mentioned vehicle was tested in accordance with EC Directive 2009/67/EC and was found to comply in all respects Signature:  Name: Du Song Position: Type Approval Engineer Date:30JUNE 2015

LIST OF ANNEXES		
ANNEX	**No of PAGES**	**SUBJECT**

1		Check sheet for lighting installation
2		Component approval mark table
3		
4		

Complies Yes/NA

TEST SPECIFICATION AND WORST CASE RATIONALE
Single variant

Tests required (if more than one is applicable)

- Geometric check
- Approval mark check
-
-
-

COMPONENT SPECIFICATION (as specified in agreed worse case rationale)

Yes

MANUFACTURER'S DOCUMENTATION

Manufacturer's documentation is complete and reflects the agreed specification for the component tested and covers all variants and versions agreed in the worse case rationale — Yes

FACILITY AND EQUIPMENT CHECKS

1 Generic Risk assessment followed *Insert RA identifier here* — N/A

OR

Specific Risk assessment completed and stored in electronic job folder — N/A

2 Facilities and test equipment are appropriate — Yes

Brief description of test equipment: See table below

3 Calibration certificates checked and valid, recorded in the following table — Yes

Equipment	Serial No.	Calibration data
Tape		

Complies Yes/NA

TEST REQUIREMENTS

Annex I, B, Item 1	Vehicle and lamps are as specified in documentation	Yes
Item 1	All lamps and reflectors securely mounted	Yes
Item 2	Not likely to become obscured or misaligned	Yes
Item 2	Headlamp can be easily adjusted	Yes
Annex I, B, Item 5.1	All pairs of lamps are symmetrically mounted	Yes
Item 5.3 & 5.4	All pairs of lamps appear to be the same colour and brightness	Yes
Item 9	No red light visible to the front	Yes
Item 9	No white light visible to the rear	Yes
	SPECIFICATIONS OF INDIVIDUAL LAMPS	
Annex I, B, Item 3	All lamps and reflectors (except head, front fog and reversing lamps)have reference axis ± 3° parallel to the ground and to the longitudinal plane	Yes
Item 3	Any specific mounting recommendations have been complied with	Yes
Item 3	All side reflectors have their reference axis ± 3° perpendicular to the longitudinal medianplane	Yes
	All the requirements of sub paragraphs (6.1) to (6.12) are complied with as appropriate to the motorcycle category as shown below:	Yes
	Main (Driving) beam headlamp(s) .	Yes
	Dipped (Passing) beam headlamp(s)	Yes

	Direction indicator lamps		Yes
	Stop lamp(s)		Yes
	Front position (side) lamp(s)		Yes
	Rear position (side) lamp(s)		Yes
	Front fog lamp(s)		N/A
	Rear fog lamp(s)		N/A
	Hazard warning signal		N/A
	Rear registration plate lamp(s)		Yes
	Side reflex reflectors, non triangular		Yes
	Rear reflex reflector(s), non triangular		Yes
	DIPPED (PASSING) HEADLAMP ALIGNMENT		
	Possible to re-set alignment using normal screws		Yes
	Vehicle category	L2e	Yes

ANNEX 1 to TST107 Check sheet **page 1**

Lamp	(1) Presence	(2) No	(4.1) Width	(4.2) Height	(4.3) Length	(5) Visibility from edge of light emitting surface	(6) Alignment
6.2 Headlamp Main Beam	Y	1	LC	Y	At the front of the vehicle	Y	Towards the front
6.1 Headlamp Dip Beam	Y	1	LC	Y	At the front of the	Y	Towards the front

					vehicle		
6.3 Direction Indicators	Y	2	Y	Y	Y	Y	/
6.4 Stop Lamp(s)	Y	1	LC	Y	at the rear of the vehicle .	Y	towards the rear of the vehicle.
6.5 Front Position Lamp(s)							
6.6 Rear Position lamp(s)	Y	1	LC	Y	at the rear of the vehicle .	Y	towards the rear of the vehicle.
6.7 Front fog lamp(s)	Optional	N/A	N/A	N/A	N/A	N/A	N/A
6.8 Rear fog lamp(s)	Optional	N/A	N/A	N/A	N/A	N/A	N/A
6.9 Hazard warning	Optional	N/A	N/A	N/A	N/A	N/A	N/A
6.10 Rear reg lamp(s)	Y	1	Y	Y	at rear of vehicle	Y	:towards the rear
6.11 Side reflectors	Optional	2	Y	Y	at sides of vehicle	Y	towards the outside of vehicle
6.12 Rear reflector	Y	2	Y	Y	at rear of vehicle	Y	towards the rear

ANNEX 1 to TST107 Check sheet **page 2**

	(7)	(8)	(9)	(10)	(11)	12)

Lamp	Grouped with	Combined with	Reciprocally incorporated	Electrical connections	Tell-tale	Other requirements*
6.2 Headlamp Main Beam	N/A	N/A	6.1	Y	Y	430 000CD
6.1 Headlamp Dip Beam	N/A	N/A	6.2	Y	N/A	**General switch on, Dip beam lighting**
6.3 Front: Direction Indicators Rear:	N/A	N/A	N/A	Y	Y	N/A
	N/A	N/A	N/A	Y	Y	N/A
6.4 Stop Lamp(s)	N/A	N/A	6.6	Y	N/A	N/A
6.5 Front Position Lamp(s)	N/A	N/A	N/A	N/A	N/A	N/A
6.6 Rear Position lamp(s)	N/A	6.10	N/A	Y	N/A	N/A
6.7 Front fog lamp(s)	N/A	N/A	N/A	N/A	N/A	N/A
6.8 Rear fog lamp(s)	N/A	N/A	N/A	N/A	N/A	N/A
6.9 Hazard warning	N/A	N/A	N/A	N/A	N/A	N/A
6.10 Rear reg lamp(s)	N/A	6.6	N/A	Y	N/A	N/A
6.11 Side reflectors	N/A	N/A	N/A	N/A	N/A	N/A
6.12 Rear reflector	N/A	N/A	N/A	N/A	N/A	N/A

ANNEX II Component approval mark details

Main beam head lamp	E4-113R-000253
Dip beam head lamp	E4-113R-000253
Front position lamp	N/A
Front direction indicators	E4-50R-002288
Front fog lamps	N/A
Rear direction indicators	E4-50R-002288
Rear position lamp	E4-50R-0014348
Rear stop lamp	E4-50R-0014348
Rear fog lamp	N/A
Rear reflector	IA-E9-02.1269
Side reflectors	IA-E9-02.1270
Rear registration lamp	E4-50R-0014348

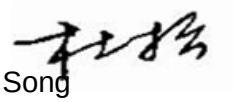
Remarks (if applicable): None

Vehicle Certification Agency
1 The Eastgate Office Centre
Eastgate Road
Bristol
BS5 6XX
United Kingdom
Telephone: +44 (0) 117 951 5151
Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
www.dft.gov.uk/vca/

TEST REPORT: Audible warning device (installation) for two or three wheel motor vehicles

TEST DETAILS	
Subject	Audible warning device (installation) for two or three wheel motor vehicles
EC Directive	93/30/EEC
ECE Regulation	N/A
Location of Test	No.1218 West Wenyi Road, HangZhou,China
Date of Test	12 June 2015
VCA Representative	Du Song
Manufacturer's Representative	ZhiBin Xu
Reason for Test	New approval

MANUFACTURER DETAILS	
Manufacturer's Name	Jiangsu Xinri E-Vehicle Co., Ltd.
Manufacturer's Address	No.501,Xishan Road,Anzhen Town,Xishan District,Wuxi City,Jiangsu,P.R.China
Model Type & description	XR-V5
Category	L1e

CONCLUSION	
	The above mentioned vehicle was tested in accordance with EC Directive 93/30/EEC and was found to comply in all respects Signature:  Name: Du Song Position: Test Engineer Date: 23 June 2015

LIST OF ANNEXES

ANNEX	No of PAGES	SUBJECT
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TEST REPORT: Audible warning devices for two or three wheel motor vehicles

TEST SPECIFICATION/WORST CASE RATIONALE:
Single variant

1	Risk assessment completed and stored in job folder	N/A
2	Facilities and test equipments are appropriate	Yes
3	Calibration certificates checked and valid, recorded below	Yes

Equipment	Serial No.	Calibration data
Sound level meter:	TES1350A	26 April 2015
Acoustic calibrator	ND9	05 May 2015
Paper tape		
Tape measure		

	Complies Yes/NA
Manufacturer's documentation complete	Yes
Details of horns fitted:	
Make & Type	 Yes
Model number: DL70	Yes
Voltage rating: 12V	Yes
Number fitted: 1	Yes
Approval number: E4-28R-000296	Yes
Mounting position of horn as manufacturers documents	Yes

Brief description of weather conditions:

Sunny day

Supply voltage	13Volts	Yes
Microphone located 7m ahead of the test vehicle		Yes
Ambiant noise level	46.7dB(A)	Yes

Test Results

Microphone height (m)	Sound Level dB(A)	
1.42	100.2	
1.47	100	
1.5	99.9	Yes

Test requirement within 0.5 to 1.5m height peak of:
75 to 112 dB(A) Mopeds
80 to 112 dB(A) Motorcycles <7 kW
93 to 112 dB(A) Motorcycles >7 kW

Remarks (if applicable):None

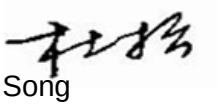
Vehicle Certification Agency,
1 The Eastgate Office Centre
Eastgate Road,
Bristol,
BS5 6XX,
United Kingdom.
Telephone: +44 (0) 117 951 5151
Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
www.dft.gov.uk/vca/

TEST REPORT: Space for mounting rear registration plate of two or three wheel vehicles
Directive 2009/62/EC

REPORT/JOB NUMBER:	CWQ316164

TEST DETAILS	
Subject	Space for mounting rear registration plate of two or three wheel vehicles
EC Directive	2009/62/EC
ECE Regulation	N/A
Location of Test	No.1218 West Wenyi Road, HangZhou,China
Date of Test	11 January 2015
VCA Representative	Du Song
Manufacturer's Representative	ZhiBin Xu
Reason for Test	New approval

MANUFACTURER DETAILS	
Manufacturer's Name	Jiangsu Xinri E-Vehicle Co., Ltd.
Manufacturer's Address	No.501,Xishan Road,Anzhen Town,Xishan District,Wuxi City,Jiangsu,P.R.China
Model Type & description	XR-V5
Category	L1e

CONCLUSION	The above mentioned vehicle was tested in accordance with EC Directive 2009/62/EC and was found to comply in all respects Signature:  Name: Du Song Position: Type Approval Engineer Date: 30 JUNE 2015

LIST OF ANNEXES

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TEST SPECIFICATION AND WORST CASE RATIONALE
Single variant

Tests required (if more than one is applicable)

- Geometric checking
-
-
-
-

COMPONENT SPECIFICATION (as specified in agreed worse case rationale)

Yes

MANUFACTURER'S DOCUMENTATION

Manufacturer's documentation is complete and reflects the agreed specification for the component tested and covers all variants and versions agreed in the worse case rationale	Yes

			Complies Yes/NA
FACILITY AND EQUIPMENT CHECKS			
1	Generic Risk assessment followed	*Insert RA identifier here*	NA
	OR Specific Risk assessment completed and stored in electronic job folder		NA
2	Facilities and test equipment are appropriate Brief description of test equipment: angle gauge and tape measurement		Yes
3	Calibration certificates checked and valid, recorded in the following table		Yes

Equipment	Serial No.	Calibration data
Angle gauge	JX-2011050079	03 May 2015

TEST REQUIREMENTS

Annex I, Item 1	Dimensions of the space for mounting rear registration plate	Conf.
Item 1.1	Mopeds ~~and light quadricycles~~ without body:	Conf.
Item 1.1.1/2	100mm wide, 175mm high	N/A
Item 1.1.3/4	**OR** 145mm wide, 125mm high	Conf.
Item 1.2	Motorcycles, tricycles (15kW), Quads, no body. 280mm wide, 210 high	N/A
Annex I, Item 2	General location	
	Located at the rear of the vehicle, within the width of the vehicle	Conf.
Item 3	Inclination:	
Item 3.1.1	At right angles to longitudinal median plane of the vehicle	Conf.
Item 3.1.2/3	Vertical inclination between 30º facing up to 15º facing down **25** degrees UP / ~~DOWN~~	Conf.
	Height (Vehicle at kerb mass)	
Item 4.1	Maximum 1.5m **0.550**m	Conf.
Item 5.1	Minimum 0.2m **OR** wheel radius if less than 0.2m **0.437**m	Conf.
Item 6.1	Geometric Visibility:	
Figure 1	30º up from the top edge of the plate	Conf.
Figure 1	5º down from the bottom edge of the plate	Conf.
Figure 2	30º either side	Conf.

Remarks (if applicable): None

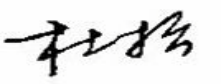
Vehicle Certification Agency,
1 The Eastgate Office Centre
Eastgate Road,
Bristol,
BS5 6XX,
United Kingdom.
Telephone: +44 (0) 117 951 5151
Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
www.dft.gov.uk/vca/

TEST REPORT: RADIO INTERFERENCE (ELECTROMAGNETIC COMPATIBILITY)
Directive 97/24/EC Chapter 8

REPORT/JOB NUMBER:	CWQ316164

TEST DETAILS	
Subject	ELECTROMAGNETIC COMPATIBILITY
EC Directive	97/24 Chapter 8
ECE Regulation	N/A
Location of Test	Nanjing SIEMIC EMC testing Centre Shanghai EMC Testing lab
Date of Test	16 JUNE 2015 and 25 JUNE 2015
VCA Representative	Du Song, Pan Yuyu
Manufacturer's Representative	ZhiBin Xu
Reason for Test	New approval

MANUFACTURER DETAILS	
Manufacturer's Name	Jiangsu Xinri E-Vehicle Co.,Ltd.
Manufacturer's Address	No.501,Xishan Avenue,Xishan District,Wuxi City,Jiangsu Province,China
Model Type & description	XR-V5
Category	L1e

CONCLUSION	
	The above mentioned vehicle was tested in accordance with EC Directive 97/24 chapter 8 and was found to comply in all respects Signature:  Name:Du Song Position: Test Engineer Date:26 JUNE 2015

LIST OF ANNEXES		
ANNEX	**No of PAGES**	**SUBJECT**
1	4	NARROWBAND TEST RESULTS
2	4	BROADBAND TEST RESULTS
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TEST SPECIFICATION AND WORST CASE RATIONALE

Electric moped with controller

Tests required (if more than one is applicable)

- Narrow band test
- Broad band test
- Immunity test
-
-

COMPONENT SPECIFICATION (as specified in agreed worse case rationale)

Eelectric motor and ECU

MANUFACTURER'S DOCUMENTATION

Manufacturer's documentation is complete and reflects the agreed specification for the component tested and covers all variants and versions agreed in the worse case rationale

Complies Yes/NA

FACILITY AND EQUIPMENT CHECKS

1 Generic Risk assessment followed *Insert RA identifier here* — N/A

OR

Specific Risk assessment completed and stored in electronic job folder — N/A

2 Facilities and test equipment are appropriate — Yes

Brief description of test equipment:

3 Calibration certificates checked and valid, recorded in the following table — Yes

Equipment	Serial No.	Calibration data
Shanghai EMC testing Lab		
Forward power meter	VHBD 9134-4	20 September 2014
Field probe(10-40MHz)	ETS-LINDGREN/HI-6153	20 October 2014
Field probe	HI6105	20EE3E3 September 2014
Nanjing SIEMIC test equipments as following		
EMI TEST RECEIVER	ESPI 13/101206/003	27 September 2014
Pre-Amplifier	8447F/1937a01160	27 October 2014
ANTENNA	JBI/A112107	23 September 2014

TEST REQUIREMENTS

		Complies Yes/NA
	Vehicle corresponds to that agreed in worst-case meeting	**Yes**

EMISSIONS

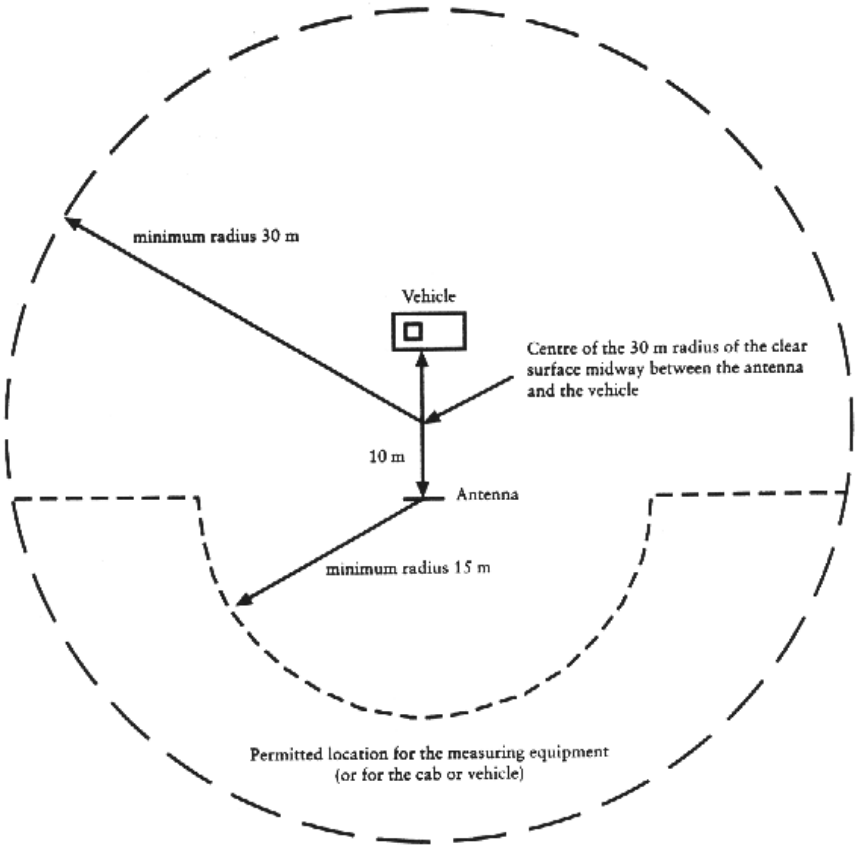
Annex II & III 1.1	Measuring equipment complies with CISPR 16-1(93)	**Yes**

Type and calibration date:

TEST LOCATION:

Annex II& III 3.1	O.A.T.S. Is level, clear area free from electromagnetic reflecting surfaces within a circle of minimum radius 30m	**N/A**
Annex II & III 3.2	Measuring equipment within test site but only in permitted region (See Figure 1)	**N/A**
Annex II & III 3.4	Ambient noise at least 10 dB below reference limits	**N/A**

Figure 1 - Vehicle test surface
Clear horizontal surface free of electromagnetic reflection



ANTENNA

Annex II & III 5.1	Types and calibration dates:	**Yes**

Annex II & III 5.2.1. **HEIGHT**

Annex II & III 5.2.1.1.	Tests at 10 m. The antenna phase mid-point must be 3,0 ± 0,05m above the vehicle plane.	**Yes**

Annex II & III 5.2.1.2.	Tests at 3 m. The antenna phase mid-point must be 1,8 ± 0,05m above the vehicle plane.	**Yes**

Annex II & III 5.2.2. **MEASURING DISTANCE**

Annex II & III 5.2.2.1.	Tests at 10 m. The horizontal distance from the antenna phase mid-point to the external surface of the vehicle must be 10,0 ± 0,2m.	**Yes**
Annex II & III 5.2.2.2.	Tests at 3 m. The horizontal distance from the antenna phase mid-point to the external surface of the vehicle must be 3,0 ± 0,05m.	**N/A**
Annex II & III 5.2.1.3.	Antenna's receiving elements no closer than 0.25m to the plane on which the vehicle rests	**Yes**
Annex II & III 5.2.2.3.	If enclosed test facility is used, antenna's receiving elements no closer than 1.0m to any radio absorbent material or closer than 1.5m to the wall of facility	**Yes**
Annex II & III 5.2.2.3.	No absorbent material between receiving antenna and vehicle	**Yes**
Annex II & III 6.1	Pre-test sweep supplied to show compliance throughout frequency range 30 to 1000 MHz	**Yes**
	Test frequencies chosen from pre-test data	**Yes**

Annex VI **NARROWBAND TEST**

Initial test carried out	**Yes**

Ignition switched on	**Yes**
Electronic systems in normal operating mode	**Yes**

Comments:
None

Detector used and bandwidth : Mean-value, 120kHz	**Yes**

Vehicle Certification Agency,
1 The Eastgate Office Centre
Eastgate Road,
Bristol,
BS5 6XX,
United Kingdom.
Telephone: +44 (0) 117 951 5151
Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
www.dft.gov.uk/vca/

TEST REPORT: RADIO INTERFERENCE (ELECTROMAGNETIC COMPATIBILITY)
Directive 97/24/EC Chapter 8

NARROWBAND TEST RESULTS

Frequency Range (MHz)	Frequency (MHz)	Left Hand Side		Right Hand Side		Correction Factor dB (µ V/m)	Maximum Value dB (µ V/m)	Limit dB (µ V/m)
		Horizontal dB (µ V/m)	Vertical dB (µ V/m)	Horizontal dB (µ V/m)	Vertical dB (µ V/m)			
30 – 45								
45 – 80								
80 - 130								
130 – 170								
170 – 225								
225 - 300								
300 - 400								
400 – 525								

525 – 700								
700 – 850								
850 - 1000								

Vehicle Certification Agency,
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TEST REPORT: RADIO INTERFERENCE (ELECTROMAGNETIC COMPATIBILITY)
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Annex V **BROADBAND TEST - SEE ANNEX 2 FOR TEST RESULTS**

Engine is at normal operating temperature and running at correct speed ~~Single cylinder 2500rpm +/- 10%~~ ~~> one cylinder 1500rpm +/- 10%~~ Electric motors 75% of maximum operating power	**Yes**
Speed setting mechanism not influencing electromagnetic radiation	**Yes**
Other sources of broadband noise at maximum current drain	**Yes**

List:
Headlamp, direction indicator lamp.

Detector used and bandwidth :Quasi-peak detector, 120kHz	**Yes**

Vehicle Certification Agency,
1 The Eastgate Office Centre
Eastgate Road,
Bristol,
BS5 6XX,
United Kingdom.
Telephone: +44 (0) 117 951 5151
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Email: enquiries@vca.gov.uk
www.dft.gov.uk/vca/

TEST REPORT: RADIO INTERFERENCE (ELECTROMAGNETIC COMPATIBILITY)
Directive 97/24/EC Chapter 8

BROADBAND TEST RESULTS

Details of optional features fitted:

Frequency Suggested (MHz)	Frequency (MHz)	Left Hand Side		Right Hand Side		Correction Factor dB (μ V/m)	Maximum Value dB (μ V/m)	Limit dB (μ V/m)
		Horizontal dB (μ V/m)	Vertical dB (μ V/m)	Horizontal dB (μ V/m)	Vertical dB (μ V/m)			
45								
65								
90								
150								
180								
220								
300								
450								
600								

750								
900								

Vehicle Certification Agency,
1 The Eastgate Office Centre
Eastgate Road,
Bristol,
BS5 6XX,
United Kingdom.
Telephone: +44 (0) 117 951 5151
Fax: +44 (0) 117 952 4103
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TEST REPORT: RADIO INTERFERENCE (ELECTROMAGNETIC COMPATIBILITY)
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Annex IV **IMMUNITY**

	TEST FACILITY DESIGNATION/NO: See facility and equipments checks	**Yes**
	CALIBRATION: Date: See facility and equipments checks	**Yes**
Annex IV 6.1.1.	Antenna type(s) and frequency range(s):	**Yes**
Annex IV 6.1.	Antenna polarization -Vertical	
Annex IV 5.2.1.	Antenna height - 1.5m	
Annex IV 5.2.1.2	Antenna elements no closer than 0.25 m to plane on which vehicle rests	**Yes**
	and no closer than 1.0 m to any absorber	**Yes**
Annex IV 5.2.2.2.	and no closer than 1.5 m to any wall	**Yes**
Annex IV 5.2.2.2.	No absorbent material between antenna and vehicle	**Yes**
Annex IV 5.4.	REFERENCE POINT	
	- as Appendix 1 ~~or 2~~ -	**Yes**
	- distance from antenna -2.0m	**Yes**
	- on vehicle centre line	**Yes**
Annex IV 5.4.1.3	- height 1.0 ± 0.05m ~~or 2.0 ± 0.05m -~~	**Yes**

	Extraneous equipment in place during calibration	**Yes**
Annex IV 7.1.2.	Forward power used to define test field	**Yes**
	OR another parameter directly related	**N/A**
	Calibration steps ≤ 2% of previous frequency	**Yes**
Annex IV 7.2.1.	Field strength contour minimum 50% of nominal in minimum 80% of calibration steps	**Yes**

TEST ARRANGEMENTS

4.1	Vehicle	**Yes**
4.1.1	- unladen except test equipment	**Yes**
	- on appropriately loaded dynamometer	**N/A**
	- OR insulated axle stands	**Yes**
4.1.2	- headlights on dipped beam	**Yes**
4.1.3	- left or right direction indicator flashing	**Yes**
4.1.4	- all other systems which affect driver's control on as in normal operation of vehicle	**Yes**
4.1.5	- no connections to test area	**Yes**
	- reports for other systems attached	**Yes**
4.3	- only non-perturbing monitoring equipment	**Yes**
4.4	- facing antenna on centre line	**N/A**
	- OR other (state position)	**Yes**
5.3.2	Antenna elements no closer than 0.5m to outer body surface of vehicle	.....
5.3.3	TLS ≥ 75% of length of vehicle	**N/A**
7.1.2	Antenna and test equipment layout to the same specification as for calibration	**Yes**

Pre-test sweep supplied to show compliance throughout frequency range 20 to 1000 MHz	**Yes**
Test frequencies chosen from pre-test data	**Yes**
Test signal dwell time sufficient (minimum 2 seconds)	**Yes**
Vehicle speed: 20 km/h gear	**Yes**
Modulated test signal peak value equals unmodulated sine wave peak value whose test limits are defined in paragraph 5.4.2 of Annex I (For Modulation, carrier wave power is reduced by 5.1 dB to conserve peaks)	**Yes**

VEHICLE IMMUNITY TEST RESULTS –

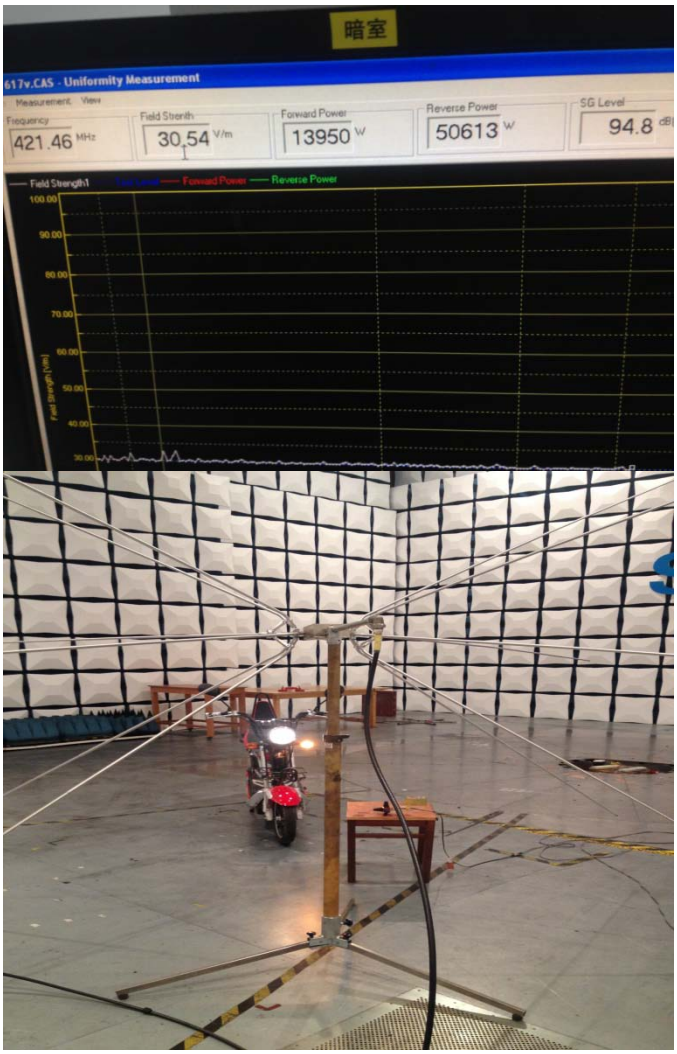
Frequency Suggested (MHz)	Frequency (MHz)	Forward Power		Output level		Field Strength (V/m)
		Cal. (W)	Test (W)	Cal. (dBm)	Test (dBm)	
27						
45						
65						
90						
150						
180						
220						
300						
450						
600						
750						
900						

Annex I 5.4.2.2.	No malfunction at 30 V/m or below	Yes

Annex I 5.4.2.1.	Malfunction between 25 and 30 V/m over less than 10% of 20 to 1000 MHz frequency band	Yes

	Tests not performed at chamber resonant frequencies	Yes

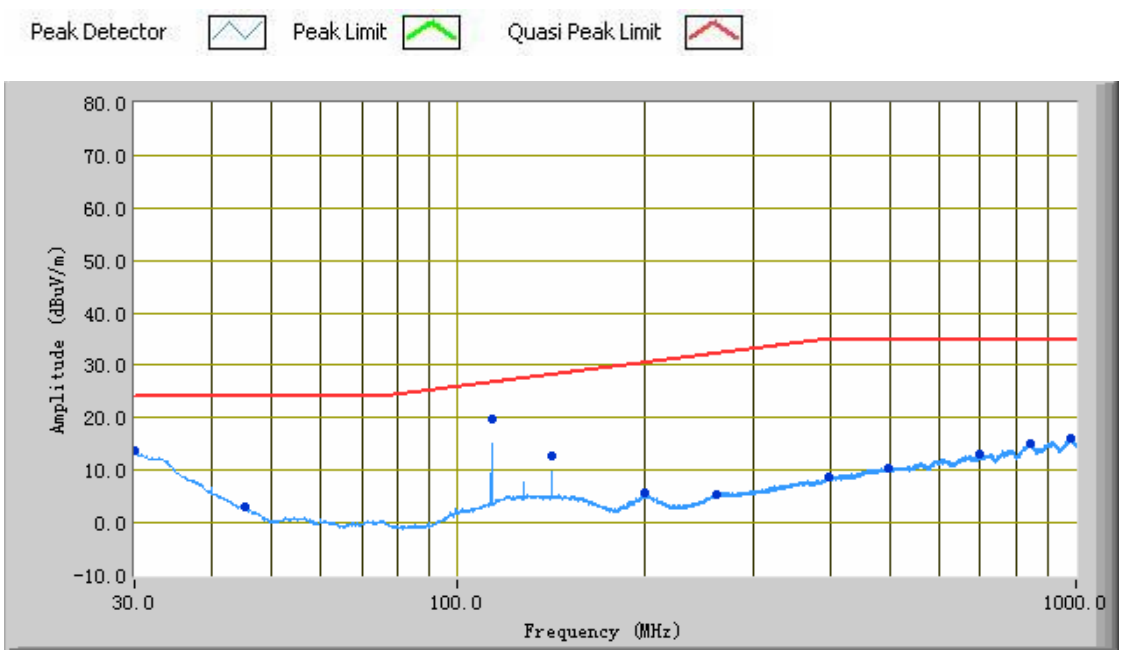
Remarks (if applicable) : None



Report Information

Test Engineer :	
Test Date :	***2015-6-17 10:54***
Customer/Manufacturer :	
EUT Description :	***Narrowband***
Test Description :	***10m vehicle NB RV***
Temperature (Celsius) :	***oC***
Humidity (%) :	***%***

Graph-10m vehicle NB RV



Test Data

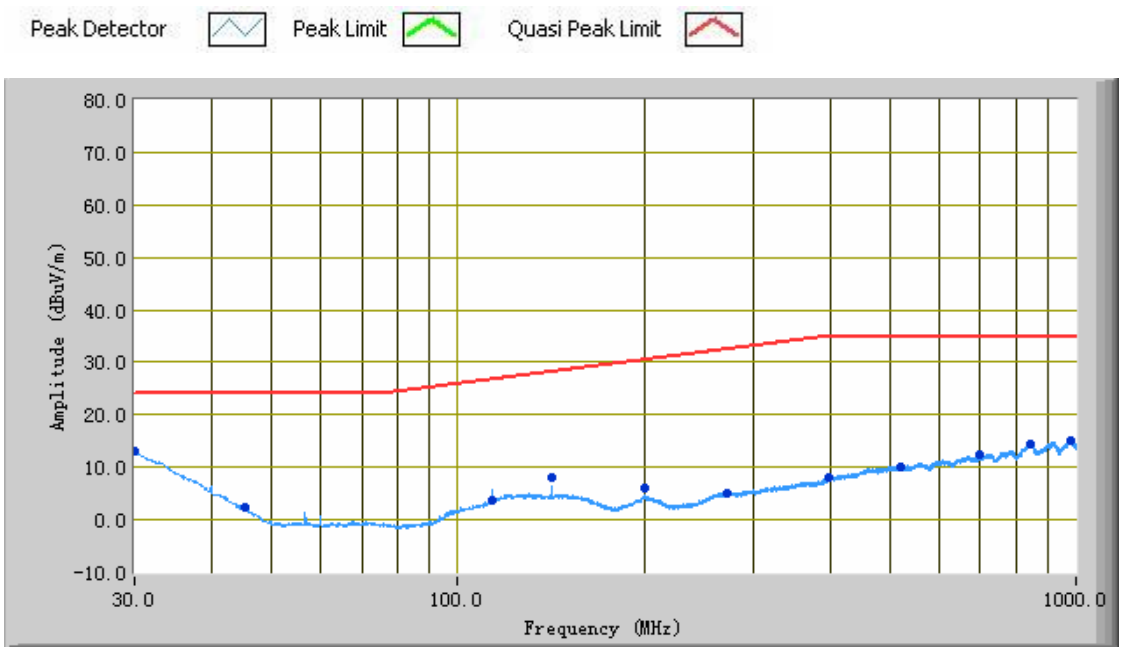
Frequency (MHz)	Average	Azimuth	Polarity	Height	Factors	Limit (dBuV/m)	Margin (dB)
29.91	13.85	0.00	V	300.00	-21.43	24.00	-10.15
45.20	2.91	0.00	V	300.00	-32.65	24.00	-21.09
113.52	19.91	0.00	V	300.00	-31.59	26.72	-6.80
141.88	12.85	0.00	V	300.00	-32.08	28.19	-15.34
200.29	5.59	0.00	V	300.00	-31.70	30.45	-24.86
261.70	5.51	0.00	V	300.00	-31.71	32.21	-26.70
397.28	8.67	0.00	V	300.00	-29.59	34.96	-26.28

496.19	10.50	0.00	V	300.00	-27.83	35.00	-24.50
699.71	13.07	0.00	V	300.00	-21.73	35.00	-21.93
841.74	15.17	0.00	V	300.00	-20.02	35.00	-19.83
981.58	16.14	0.00	V	300.00	-19.30	35.00	-18.86

Report Information

Test Engineer :	
Test Date :	***2015-6-17 11:00***
Customer/Manufacturer :	
EUT Description :	***Narrowband***
Test Description :	***10m vehicle NB RH***
Temperature (Celsius) :	***oC***
Humidity (%) :	***%***

Graph-10m vehicle NB RH



Test Data

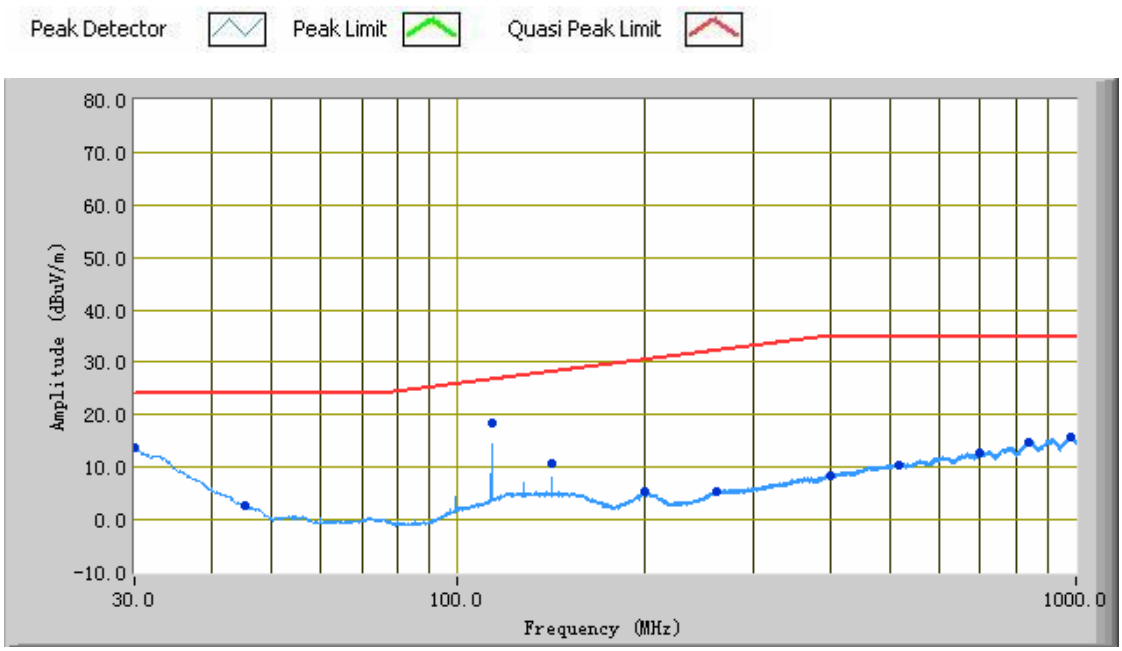
Frequency (MHz)	Average	Azimuth	Polarity	Height	Factors	Limit (dBuV/m)	Margin (dB)
29.97	13.21	0.00	H	300.00	-22.13	24.00	-10.79
45.17	2.35	0.00	H	300.00	-33.10	24.00	-21.65
113.31	3.60	0.00	H	300.00	-31.75	26.72	-23.12
141.89	8.14	0.00	H	300.00	-32.47	28.19	-20.05
200.26	6.00	0.00	H	300.00	-32.50	30.45	-24.46
272.73	5.19	0.00	H	300.00	-32.29	32.48	-27.29
397.97	7.94	0.00	H	300.00	-30.26	34.97	-27.03

519.07	10.17	0.00	H	300.00	-28.16	35.00	-24.83
699.50	12.37	0.00	H	300.00	-22.34	35.00	-22.63
843.52	14.59	0.00	H	300.00	-20.73	35.00	-20.41
982.32	15.20	0.00	H	300.00	-20.15	35.00	-19.80

Report Information

Test Engineer :	
Test Date :	***2015-6-17 11:13***
Customer/Manufacturer :	
EUT Description :	***Narrowband***
Test Description :	***10m vehicle NB LV***
Temperature (Celsius) :	***oC***
Humidity (%) :	***%***

Graph-10m vehicle NB LV



Test Data

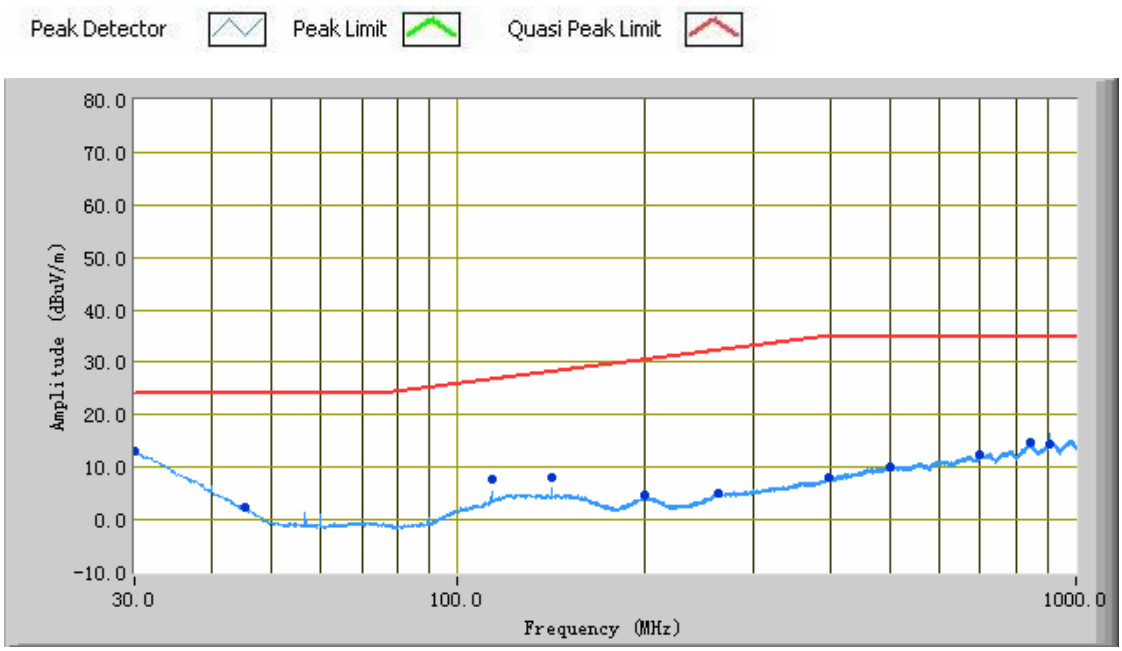
Frequency (MHz)	Average	Azimuth	Polarity	Height	Factors	Limit (dBuV/m)	Margin (dB)
30.10	13.91	0.00	V	300.00	-21.43	24.00	-10.09
45.20	2.78	0.00	V	300.00	-32.65	24.00	-21.22
113.51	18.28	0.00	V	300.00	-31.59	26.72	-8.44
141.88	10.78	0.00	V	300.00	-32.08	28.18	-17.41
200.31	5.45	0.00	V	300.00	-31.70	30.45	-25.01
263.07	5.45	0.00	V	300.00	-31.71	32.25	-26.79
399.79	8.45	0.00	V	300.00	-29.48	35.00	-26.55

518.50	10.33	0.00	V	300.00	-27.76	35.00	-24.67
699.88	12.68	0.00	V	300.00	-21.73	35.00	-22.32
840.04	14.83	0.00	V	300.00	-19.93	35.00	-20.17
980.47	15.83	0.00	V	300.00	-19.25	35.00	-19.17

Report Information

Test Engineer :	
Test Date :	***2015-6-17 11:08***
Customer/Manufacturer :	
EUT Description :	***Narrowband***
Test Description :	***10m vehicle NB LH***
Temperature (Celsius) :	***oC***
Humidity (%) :	***%***

Graph-10m vehicle NB LH



Test Data

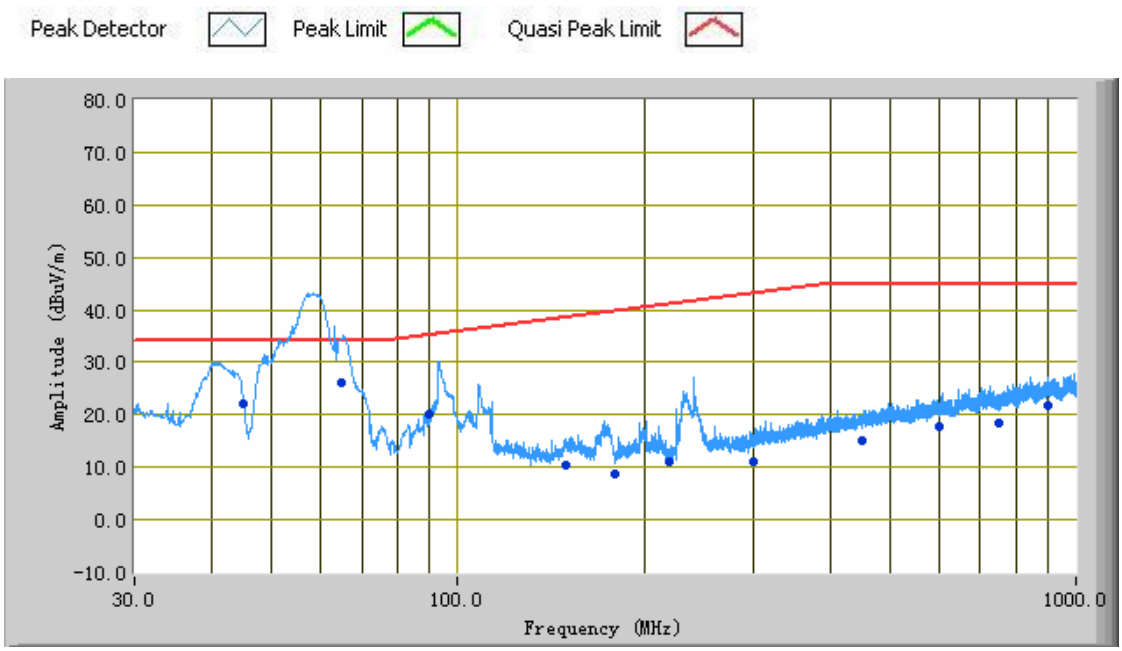
Frequency (MHz)	Average	Azimuth	Polarity	Height	Factors	Limit (dBuV/m)	Margin (dB)
30.09	13.18	0.00	H	300.00	-22.13	24.00	-10.82
45.14	2.40	0.00	H	300.00	-33.10	24.00	-21.60
113.53	7.78	0.00	H	300.00	-31.75	26.72	-18.94
141.91	8.09	0.00	H	300.00	-32.47	28.19	-20.10
200.15	4.59	0.00	H	300.00	-32.50	30.45	-25.87
264.08	5.06	0.00	H	300.00	-32.30	32.27	-27.21
398.75	8.01	0.00	H	300.00	-30.22	34.98	-26.97

499.98	10.10	0.00	H	300.00	-28.18	35.00	-24.90
699.76	12.47	0.00	H	300.00	-22.33	35.00	-22.53
844.62	14.61	0.00	H	300.00	-20.79	35.00	-20.39
904.99	14.46	0.00	H	300.00	-20.83	35.00	-20.54

Report Information

Test Engineer :	
Test Date :	***2015-6-16 16:43***
Customer/Manufacturer :	*杭州维德*
EUT Description :	***Broadband***
Test Description :	***10m vehicle BB RV***
Temperature (Celsius) :	***oC***
Humidity (%) :	***%***

Graph-10m vehicle BB RV



Test Data

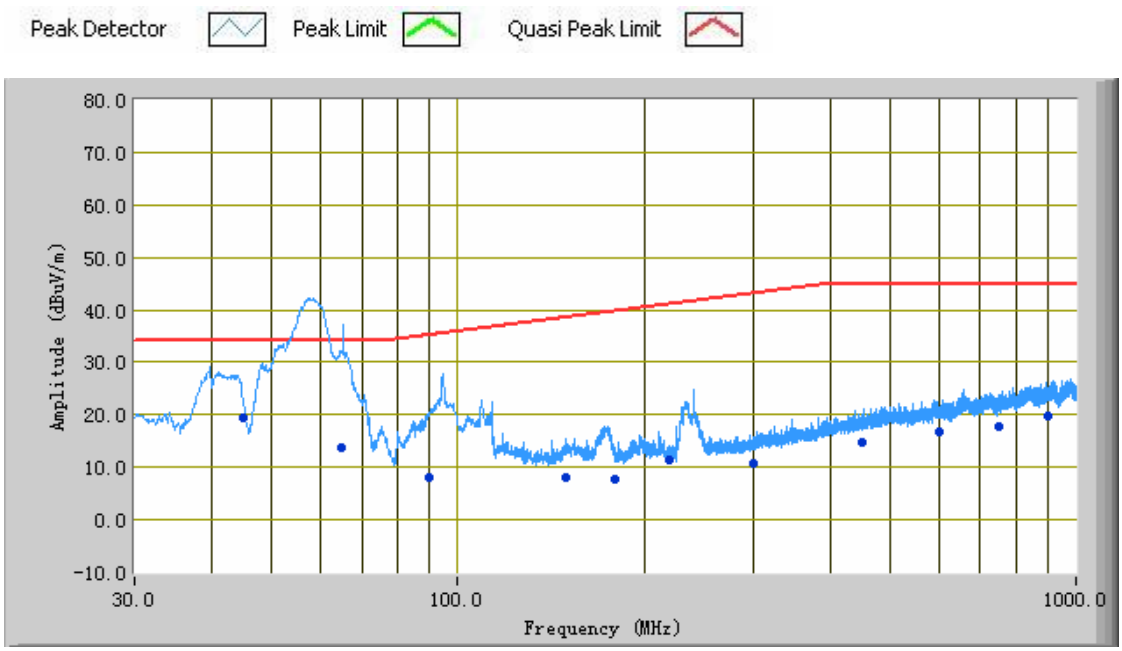
Frequency (MHz)	Quasi Peak (dBuV/m)	Azimuth	Polarity	Height	Factors	Limit (dBuV/m)	Margin (dB)
44.88	22.17	0.00	V	300.00	-32.49	34.00	-11.83
65.00	26.08	0.00	V	300.00	-37.17	34.00	-7.92
90.04	20.01	0.00	V	300.00	-36.73	35.19	-15.18
150.01	10.26	0.00	V	300.00	-32.01	38.55	-28.30
179.99	8.75	0.00	V	300.00	-33.29	39.75	-31.00
220.08	11.16	0.00	V	300.00	-34.02	41.07	-29.91

299.95	11.18	0.00	V	300.00	-31.18	43.11	-31.93
450.03	15.18	0.00	V	300.00	-28.71	45.00	-29.82
599.98	17.63	0.00	V	300.00	-25.99	45.00	-27.37
749.95	18.36	0.00	V	300.00	-22.04	45.00	-26.64
900.14	21.65	0.00	V	300.00	-20.22	45.00	-23.35

Report Information

Test Engineer :	
Test Date :	***2015-6-16 16:48***
Customer/Manufacturer :	*杭州维德*
EUT Description :	***Broadband***
Test Description :	***10m vehicle BB RH***
Temperature (Celsius) :	***oC***
Humidity (%) :	***%***

Graph-10m vehicle BB RH



Test Data

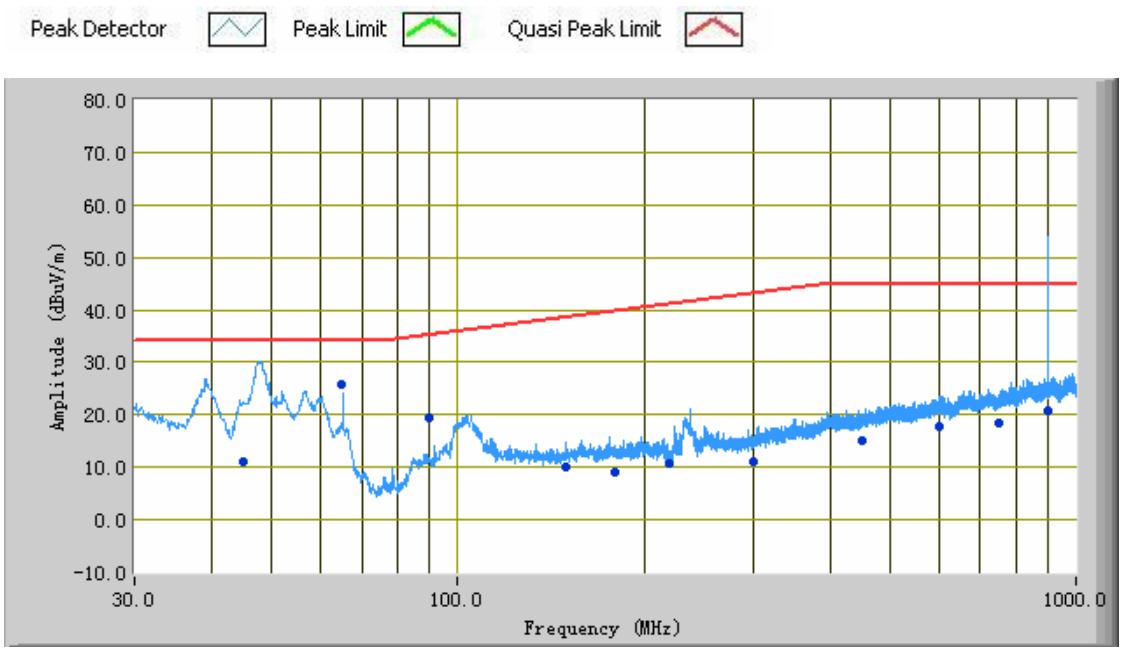
Frequency (MHz)	Quasi Peak (dBuV/m)	Azimuth	Polarity	Height	Factors	Limit (dBuV/m)	Margin (dB)
44.87	19.52	0.00	H	300.00	-32.94	34.00	-14.48
64.93	13.79	0.00	H	300.00	-37.47	34.00	-20.21
90.02	8.19	0.00	H	300.00	-36.93	35.19	-27.00
149.96	8.04	0.00	H	300.00	-32.36	38.55	-30.51
180.06	7.61	0.00	H	300.00	-33.69	39.75	-32.14
219.95	11.48	0.00	H	300.00	-34.62	41.07	-29.59

300.04	10.70	0.00	H	300.00	-31.68	43.11	-32.41
449.99	14.84	0.00	H	300.00	-29.11	45.00	-30.16
600.03	16.90	0.00	H	300.00	-26.79	45.00	-28.10
749.90	17.68	0.00	H	300.00	-22.69	45.00	-27.32
899.98	19.93	0.00	H	300.00	-21.02	45.00	-25.07

Report Information

Test Engineer :	
Test Date :	***2015-6-16 17:00***
Customer/Manufacturer :	*杭州维德*
EUT Description :	***Broadband***
Test Description :	***10m vehicle BB LV***
Temperature (Celsius) :	***oC***
Humidity (%) :	***%***

Graph-10m vehicle BB LV



Test Data

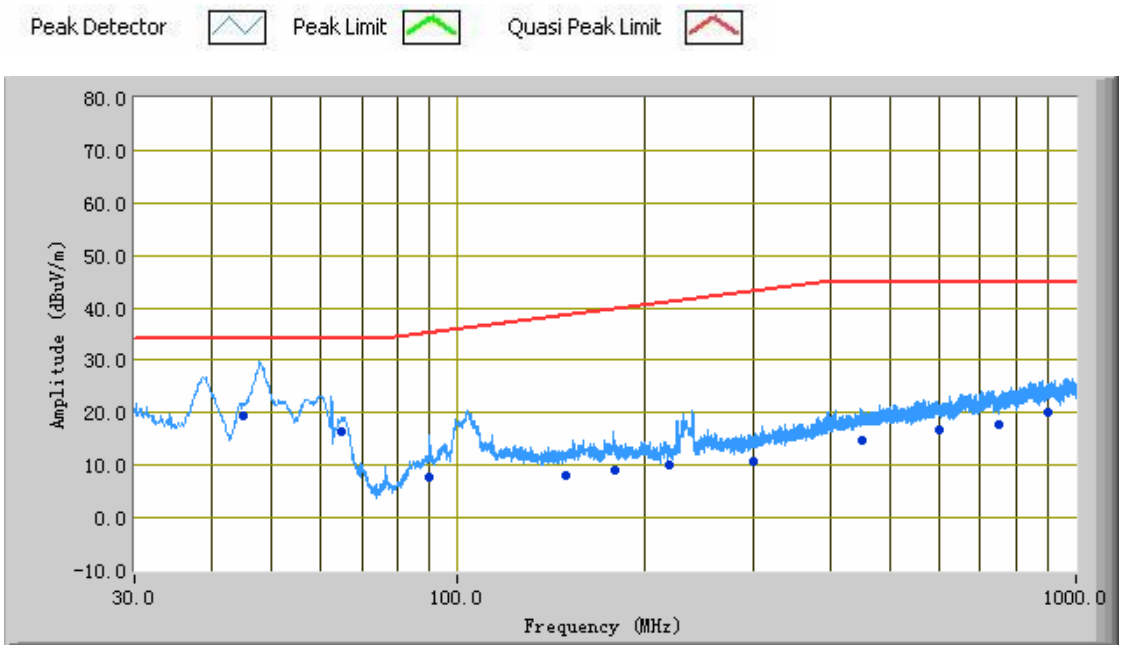
Frequency (MHz)	Quasi Peak (dBuV/m)	Azimuth	Polarity	Height	Factors	Limit (dBuV/m)	Margin (dB)
44.95	11.21	0.00	V	300.00	-32.49	34.00	-22.79
65.13	25.78	0.00	V	300.00	-37.17	34.00	-8.22
90.07	19.30	0.00	V	300.00	-36.73	35.19	-15.89
149.86	10.13	0.00	V	300.00	-32.01	38.55	-28.42
180.08	8.96	0.00	V	300.00	-33.29	39.75	-30.79
219.95	10.71	0.00	V	300.00	-34.02	41.07	-30.36

300.10	11.11	0.00	V	300.00	-31.18	43.11	-32.00
450.01	15.23	0.00	V	300.00	-28.71	45.00	-29.77
600.01	17.70	0.00	V	300.00	-25.99	45.00	-27.30
749.95	18.31	0.00	V	300.00	-22.04	45.00	-26.69
899.97	20.75	0.00	V	300.00	-20.22	45.00	-24.25

Report Information

Test Engineer :	
Test Date :	***2015-6-16 16:54***
Customer/Manufacturer :	*杭州维德*
EUT Description :	***Broadband***
Test Description :	***10m vehicle BB LH***
Temperature (Celsius) :	***oC***
Humidity (%) :	***%***

Graph-10m vehicle BB LH



Test Data

Frequency (MHz)	Quasi Peak (dBuV/m)	Azimuth	Polarity	Height	Factors	Limit (dBuV/m)	Margin (dB)
44.92	19.40	0.00	H	300.00	-32.94	34.00	-14.60
65.07	16.40	0.00	H	300.00	-37.47	34.00	-17.60
90.02	7.84	0.00	H	300.00	-36.93	35.19	-27.35
150.07	8.08	0.00	H	300.00	-32.36	38.55	-30.47
179.99	9.09	0.00	H	300.00	-33.69	39.75	-30.66
220.13	9.92	0.00	H	300.00	-34.62	41.07	-31.15

300.02	10.62	0.00	H	300.00	-31.68	43.11	-32.48
450.03	14.82	0.00	H	300.00	-29.11	45.00	-30.18
599.97	16.88	0.00	H	300.00	-26.79	45.00	-28.12
749.99	17.66	0.00	H	300.00	-22.69	45.00	-27.34
899.96	19.98	0.00	H	300.00	-21.02	45.00	-25.02

Vehicle Certification Agency
1 The Eastgate Office Centre
Eastgate Road
Bristol
BS5 6XX
United Kingdom
Telephone: +44 (0) 117 951 5151
Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
www.dft.gov.uk/vca/

TEST REPORT: FITTING OF REAR VIEW MIRRORS TO TWO OR THREE WHEEL MOTOR VEHICLES (UNBODIED)

EC Directive 97/24/EEC, Chapter 4 (Annex III) as amended by Directive 2006/27/EC

REPORT/JOB NUMBER:	**CWQ316164**

TEST DETAILS	
Location of Test	No.1218 West Wenyi Road, HangZhou,China
Date of Test	11 JUNE 2015
VCA Representative(s)	Du Song
Manufacturer's Representative(s)	ZhiBin Xu(Weide Consultancy Company)
Reason for Test	New approval

MANUFACTURER DETAILS	
Manufacturer's Name	Jiangsu Xinri E-Vehicle Co., Ltd.
Manufacturer's Address	No.501,Xishan Road,Anzhen Town,Xishan District,Wuxi City,Jiangsu,P.R.China
Model Type & description	XR-V5
Category	L1e

CONCLUSION	The above mentioned vehicle was tested in accordance with EC Directive 97/24/EC and was found to comply in all respects Signature: Name: Du Song Position: Type Approval Engineer Date: 23 JUNE 2015

LIST OF ANNEXES		
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07-Jul-15
VCA Approval Authority

TEST REPORT: FITTING OF REAR VIEW MIRRORS TO TWO OR THREE WHEEL MOTOR VEHICLES (UNBODIED)

EC Directive 97/24/EEC

TEST SPECIFICATION AND WORST CASE RATIONALE
Single variant

Tests required (if more than one is applicable)

- Geometric testing
-
-
-
-

COMPONENT SPECIFICATION (as specified in agreed worse case rationale)

Make : XIONGXIN
Nominal R:1200mm

MANUFACTURER'S DOCUMENTATION	
Manufacturer's documentation is complete and reflects the agreed specification for the component tested and covers all variants and versions agreed in the worse case rationale	Yes

FACILITY AND EQUIPMENT CHECKS

1	Generic Risk assessment followed	*Insert RA identifier here*		N/A
	OR Specific Risk assessment completed and stored in electronic job folder			N/A
2	Facilities and test equipment are appropriate Brief description of test equipment: tape			Yes
3	Calibration certificates checked and valid, recorded in the following table			Yes

Equipment	Serial No.	Calibration data
tape	/	/

07-Jul-15
VCA Approval Authority

TEST REPORT: FITTING OF REAR VIEW MIRRORS TO TWO OR THREE WHEEL MOTOR VEHICLES (UNBODIED)

EC Directive 97/24/EEC

TEST REQUIREMENTS

			Complies Yes/NA
	See definition of unbodied in 2006/27/EC – explain specification below.		
	unbodied		Yes

Mirrors Fitted to the vehicle:

	Approval No:	Nominal R mm	Measured R mm	
Exterior Left	E11-R81-001192	1200		Yes
Exterior Right	E11-R81-001192	1200		Yes

1.1	All mirrors remain stable under normal operating conditions				
1.2	Centre of reflecting surface ≥280 mmfrom median longitudinal plane of the vehicle:				
		Exterior Left:	410	mm	Yes
		Exterior Right:	410	mm	Yes
1.3	Normal driving position gives clear view of the road to side(s) and to the rear of the vehicle:				Yes
1.6	Angle between median longitudinal plane of the vehicle and line from the centre of the ocular points and the centre of the mirror is not more than 55º				Yes
		Actual angle:	40	º	Yes
1.7	Exterior mirrors do not project beyond bodywork more than necessary for field of vision				Yes
1.8	If lower edge of exterior mirror is below 2m (vehicle fully laden) mirror projects less than 0.20m beyond overall vehicle width:				
		Actual projection left:	0.05	m	Yes
		Actual projection right:	0.05	m	Yes
2.3	If single exterior mirror is fitted is on the appropriate side				NA
3	Adjustment:				
3.1	Mirrors are adjustable from the driving position				Yes

Remarks (if applicable): None

Vehicle Certification Agency
1 The Eastgate Office Centre
Eastgate Road
Bristol
BS5 6XX
United Kingdom
Telephone: +44 (0) 117 951 5151
Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
www.dft.gov.uk/vca/

TEST REPORT: EXTERNAL PROJECTIONS, UNBODIED MOTOR VEHICLES

03-011rev1

TEST DETAILS	
Subject	EXTERNAL PROJECTIONS, UNBODIED MOTOR VEHICLES
EC Directive	97/24/EC CHAPTER 3
ECE Regulation	N/A
Location of Test	No.1218 West Wenyi Road, HangZhou,China
Date of Test	11 June 2015
VCA Representative	Du Song
Manufacturer's Representative	ZhiBin Xu
Reason for Test	New approval

MANUFACTURER DETAILS	
Manufacturer's Name	Jiangsu Xinri E-Vehicle Co., Ltd.
Manufacturer's Address	No.501,Xishan Road,Anzhen Town,Xishan District,Wuxi City,Jiangsu,P.R.China
Model Type & description	XR-V5
Category	L1e

CONCLUSION	
	The above mentioned vehicle was tested in accordance with EC Directive 97/24/EC CHAPTER 3 as amended by 2006/27/EC and was found to comply in all respects Signature:  Name: Du Song Position: Test Engineer Date: 30 JUNE 2015

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TEST REPORT: DIRECTIVE 97/24/EC CHAPTER 3 ANNEX I
EXTERIOR PROJECTIONS UNBODIED MOTOR VEHICLES

TEST SPECIFICATION/WORST CASE RATIONALE: Single variant

1	Risk assessment completed and stored in job folder	N/A
2	Facilities and test equipments are appropriate	Yes
3	Calibration certificates checked and valid, recorded below	N/A

Equipment	Serial No.	Calibration data

Note: If 2, 3 or 4 wheel vehicles are considered as bodied they must meet the requirements of Annex II

TEST SPECIFICATION/ WORST CASE RATIONALE: Yes
Un-bodied two-wheel moped

		Complies Yes/NA
	Manufacturers documentation is complete	Yes
3.1	The external surface of the vehicle does not exhibit directed outwards any pointed or sharp parts or any projections of such shape, dimensions, direction or hardness as to be likely to increase the risk or seriousness of bodily injury to a person hit by the external surface or by brushing against it in the event of a collision	Yes
4.1	Vehicle in straight line, vertical position as level floor with 50 percentile rider	Yes
	Steering free to move	Yes
5	Criteria	
5.2.1	GROUP 1 PARTS - GRAZING	

TEST REPORT: DIRECTIVE 97/24/EC CHAPTER 3 ANNEX I
EXTERIOR PROJECTIONS UNBODIED MOTOR VEHICLES

Left Side:

Part	Plates Corners R>3mm edges R>0.5mm	Stems Ø>10mm edge R>2mm	Soft Rubber or Plastic <60 share
Front mudguard	Yes		
Foot plate	Yes		
Rear mudflap	Yes		

5.2.1 GROUP 1 PARTS - GRAZING

Right Side:

Part	Plates Corners R>3mm edges R>0.5mm	Stems Ø>10mm edge R>2mm	Soft Rubber or Plastic <60 share
Front tyre	Yes		Yes
Rear mudflap	Yes		

5.2.2 GROUP 2 PARTS: COLLISION

Left Side:

Part	Plates Edges and Corners R>2mm	Stems Length <0.5Ø if Ø <20mm if Ø >20mm edges R>2mm	Soft Rubber or Plastic <60 share

5.2.2 GROUP 2 PARTS: COLLISION

Right Side:

Part	Plates Edges and Corners R>2mm	Stems Length <0.5Ø if Ø <20mm if Ø >20mm edges R>2mm	Soft Rubber or Plastic <60 share

TEST REPORT: DIRECTIVE 97/24/EC CHAPTER 3 ANNEX I
EXTERIOR PROJECTIONS UNBODIED MOTOR VEHICLES

6	Specific requirements:		
6.1	Upper edge of fairing windscreen either: R≥2mm OR Covered with edge protection of soft rubber or plastic <60 share		N/A N/A
6.2	Outer ends of Clutch and brake levers spherical		
	Radius ≥ 7mm		Yes
	Outer edges ≥2mmR		Yes
6.3	Front mudguard leading edge R≥ 2mm		Yes
6.4	Filler cap located in tank upper surface		N/A
	Projection ≤ 15mm		N/A
	Connection with underlying surface smooth and spherical		N/A
	≤15 mm projection not met, but alternative protective device provided Give details:		N/A
6.5	Ignition Key:		
	Folding Type		N/A
	Flush Fitting		N/A
	Protective Cap		Yes
	Test Location: Hangzhou		
	Test Date: 09 June 2015		

* Delete where inapplicable

Remarks (if applicable): None

TEST REPORT: **DIRECTIVE 97/24/EC CHAPTER 3 ANNEX I**

EXTERIOR PROJECTIONS UNBODIED MOTOR VEHICLES

Vehicle Certification Agency
1 The Eastgate Office Centre
Eastgate Road
Bristol
BS5 6XX
United Kingdom
Telephone: +44 (0) 117 951 5151
Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
www.dft.gov.uk/vca/

TEST REPORT: Protective devices intended to prevent unauthorised use of two or three wheel motor vehicles

EC Directive 93/33/EEC as amended by / Directive 1999/23/EC
UN Regulation 62.00

REPORT/JOB NUMBER:	CWQ316164

TEST DETAILS	
Subject	Protective devices intended to prevent unauthorised use of two or three wheel vehicles
EC Directive	93/33/EEC as amended by 1999/23/EC
ECE Regulation	62.00
Location of Test	No.1218 West Wenyi Road, HangZhou,China
Date of Test	11 January 2015
VCA Representative	Du Song
Manufacturer's Representative	ZhiBin Xu
Reason for Test	New approval

MANUFACTURER DETAILS	
Manufacturer's Name	Jiangsu Xinri E-Vehicle Co., Ltd.
Manufacturer's Address	No.501,Xishan Road,Anzhen Town,Xishan District,Wuxi City,Jiangsu,P.R.China
Model Type & description	XR-V5
Category	L1e

CONCLUSION	
	The above mentioned vehicle was tested in accordance with EC Directive 93/33/EEC - 1999/23/EC and was found to comply in all respects Signature:  Name: Du Song Position: test engineer Date: 30 June 2015

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		Complies Yes/NA
	TEST SPECIFICATION/ WORST CASE RATIONALE: Single variant	
	Manufacturer's documentation complete	Yes
	GENERAL CHECKS	
2.4	Type Number of device (1, 2, 3 or 4) Type 2	Yes
	~~Type 1: solely and positively operated on the steering alone,~~	
	Type 2: positively operated on the steering in conjunction with the device which de-activates the engine,	
	~~Type 3: pre-loaded, operating on the steering in conjunction with the device which de-activates the engine,~~	
	~~Type 4: positively operated on the transmission~~	
	Device is as specified in documentation	Yes
3	GENERAL SPECIFICATIONS	
3.2.1	Vehicle cannot be steered or driven/moved forward in a straight line with device engaged	Yes
3.2.2	Transmission prevented from functioning with device engaged (Type 4 only)	N/A
3.2.2	If activation is by control of parking device, does this act in conjunction with device for de-activating engine (Type 4 only)	N/A
3.2.3	Key extraction only possible with bolt in fully engaged or fully disengaged position	Yes
	No intermediate position of key will risk bolt engagement (with or without key inserted)	Yes
3.3	Only one key used	Yes
3.4	Special tools required for dismantling	Yes

	Cannot be easily rendered ineffective or destroyed	Yes
3.5	Original equipment	Yes
	Lock securely assembled in protective device:	Yes
3.6	Manufacturer certifies 1000 different combinations:	Yes
3.7	Key and lock not visibly coded:	Yes
3.8	Nearest key in combination does not turn lock cylinder with a torque of less than 0.245 mdaN:	Yes
3.8.1	Design of tumblers meets requirements:	Yes
3.8.2		
3.9	Risk of accidental locking excluded:	Yes
3.10	Device withstood torque application of 20 mdaN in both directions (excluding Type 4)	Yes
	No damage sustained to steering mechanism likely to compromise safety (excluding Type 4)	Yes
3.11	Steering can only be locked at a minimum angle of 20° to the left ~~and/or right~~ of straight ahead position (excluding Type 4): 30Degs	Yes
4	SPECIFIC REQUIREMENTS	
4.1.1	Lockable only by movement of key (handlebars being in appropriate position for bolt to engage in slot) (Types 1 and 2 only)	Yes
4.1.2	Pre-loading of bolt only possible by separate action combined with or in addition to turning of key (type 3 only)	N/A
	Removal of key not possible after bolt has been pre-loaded other than in accordance with 5.1.3 (Type 3 only)	N/A
4.2	Bolt prevented from engaging when device is in position which permits starting of engine (Types 2 and 3 only)	Yes
4.3	Impossible to prevent device functioning when set (Type 3 only)	N/A
4.4	Device subjected to wear test for 2500 cycles (Type 3 only)	N/A
	Device in good working order and complies with 5.7,5.8, 5.9 and 6.3 after wear test (Type 3 only)	N/A

INSTRUMENTATION

Torque wrench	Type:230DB3(80~300Nm) 29 April 2015
	Type:NB-5(0~6Nm) 29 April 2015

Remarks (if applicable): None

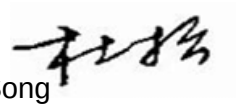
Vehicle Certification Agency,
1 The Eastgate Office Centre
Eastgate Road,
Bristol,
BS5 6XX,
United Kingdom.
Telephone: +44 (0) 117 951 5151
Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
www.dft.gov.uk/vca/

TEST REPORT: SPEEDOMETER
Directive 2000/7/EC
Regulation 39.00 (Revision 1 Supp 9)

REPORT/JOB NUMBER:	CWQ316164

TEST DETAILS	
Subject	SPEEDOMETER
EC Directive	2000/7/EC
ECE Regulation	R39.00
Location of Test	No.1218 West Wenyi Road, HangZhou,China
Date of Test	11January 2015
VCA Representative	Du Song
Manufacturer's Representative	ZhiBin Xu
Reason for Test	New approval

MANUFACTURER DETAILS	
Manufacturer's Name	Jiangsu Xinri E-Vehicle Co., Ltd.
Manufacturer's Address	No.501,Xishan Road,Anzhen Town,Xishan District,Wuxi City,Jiangsu,P.R.China
Model Type & description	XR-V5
Category	L1e

CONCLUSION	
	The above mentioned vehicle was tested in accordance with ECE Regulation 39.00 and EC Directive 2000/7 and was found to comply in all respects Signature:  Name: Du Song Position: Test Engineer Date: 30 JUNE 2015

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TEST REPORT: SPEEDOMETER

Directive 2000/7/EC Regulation 39.00 (Revision 1 Supp 9)

TEST SPECIFICATION AND WORST CASE RATIONALE

Single variant

Tests required (if more than one is applicable)

-
-
-
-
-

COMPONENT SPECIFICATION (as specified in agreed worse case rationale)

Make: SUNRA

Type: SR01

MANUFACTURER'S DOCUMENTATION

Manufacturer's documentation is complete and reflects the agreed specification for the component tested and covers all variants and versions agreed in the worse case rationale — Yes

FACILITY AND EQUIPMENT CHECKS

1 Generic Risk assessment followed — *Insert RA identifier here* — N/A

OR

Specific Risk assessment completed and stored in electronic job folder — N/A

2 Facilities and test equipment are appropriate — Yes

Brief description of test equipment: TianBo test equipment.

3 Calibration certificates checked and valid, recorded in the following table — Yes

Equipment	Serial No.	Calibration data
Motorcycle test apparatus	ML300	16 August 2014

TEST REQUIREMENTS

TEST REPORT: SPEEDOMETER

Directive 2000/7/EC Regulation 39.00 (Revision 1 Supp 9)

		Complies Yes/NA
TEST SPECIFICATION:		
VEHICLE :	L1e	
ENGINE:	Electric engine	
GEARBOX:	/	
AXLE RATIO:	/	
FRONT AXLE TYRES:		
- SIZE/MAKE/TYPE	16X2.5/Cheng Shin/diagonal	
- QUOTED PRESSURE	250 kPa	
- TEST PRESSURE	270 kPa	
- ROLLING RADIUS	212 mm	
- TREAD DEPTH	As new mm	
REAR AXLE TYRES:		
- SIZE/MAKE/TYPE	16X3.0/Cheng ShinL/diagonal	
- PRESSURE	250 kPa	
- TEST PRESSURE	270 kPa	
- ROLLING RADIUS	224 mm	
- TREAD DEPTH	As new mm	

DETAILS OF SPEEDOMETER:

3.2.1	Make: Xinri	**Yes**
	Type: V5	

Description:
dual marked analogue scale

Overall speedometer drive ratio: 35:1 **Yes**

2.1 (5.1)	Location: in front of driver's view	**Yes**
2.1 (5.1)	Legible day and night:	**Yes**
2.1 (5.1)	Range of speed indicated:	
2.2.1 (5.1.1)	km/h Scale:	**N/A**
2.2.3 (5.1.2)	Dual mph-km/h Scale:0-80km/h,0-50mph	**Yes**

	Manufacturer's quoted max speed for model range: km/h: 45 mph: 22	 **Yes** **N/A**
2.1 (5.1).	Indicated speed range enough to cover quoted maximum speed:	**Yes**
2.2	Analogue Scale/Digital Display: Analogue Scale	**Yes**
2.2.1.1, (4.2.2)	Indicated max speed does not exceed 200 km/h:	**Yes**
2.2.1.1 5.1.1	Steps for Marked Speed Indication:10km/h and 10mph [Requirement: Marked Speed at intervals not exceeding 20 (km/h and mph)]	**Yes**
2.2.1.2, (4.2.2)	Indicated max speed exceeds 200 km/h:	**N/A**
2.2.1.2 (5.1.1)	Steps for Marked Speed Indication: [Requirement: Marked Speed at intervals not exceeding 30 (km/h only)]	
2.2.1 & 2	Steps for Marked Graduations (Analogue Scales only): 5km/h and 5mph	**Yes**
2.2.1&2 (5.1.1 & 2)	[Requirement: marking to be in steps of 1, 2, 5 or 10 (km/h and mph)]	**Yes**

TEST CONDITIONS

2.3.1	Tyre size and pressures - SEE VEHICLE SPECIFICATION TABLE	**Yes**
2.3.4, (5.2.4)	Tyre pressure for test were at Manufacturer's quoted pressure plus 0.2 bar:	**Yes**
2.3.6.1 (5.2.6.1)	Track condition: Flat and Dry	**Yes**
2.3.3 (5.2.3)	Speedometer temperature with range 23 ±5°C: ambient temp =26°C	**Yes**

Manufacturer's quoted mass in running order (fuel and rider) - ref 70/156/EEC Annex 1 para 2.6 (minimum value for model range):	165	kg	**Yes**
Front axle:	65	kg	**Yes**
Rear axle:	100	kg	**Yes**

TEST REPORT: SPEEDOMETER

Directive 2000/7/EC Regulation 39.00 (Revision 1 Supp 9)

Test vehicle masses:	165	kg	**Yes**
Front axle:	65	kg	**Yes**
Rear Axle:	100	kg	**Yes**

2.3.2	Load on axle(s) driving speedometer correspond to quoted axle mass(es)	**Yes**

RESULTS

Requirement:

$$0 \leq V_1 - V_2 \leq (V_2/10) + 4 \text{ km/h}$$

2.3.5 (5.3)

Test No	Indicated Speed V_1 (km/h)	True Speed (km/h) East	True Speed (km/h) West	True Speed (km/h) Average V_2	$V_1 - V_2$	$(V_2/10) + 4$ km/h	
TEST RESULTS FOR TYRE SIZE: 3.00-12 Tyre Rolling Radius: 234mm ~~or Tyre Revs/km:*~~							
	28	25.9	25.5	25.7	2.3	6.57	**Yes**
	35						
	120[1)]						
TEST/CALCULATED* RESULTS FOR TYRE SIZE: Tyre Rolling Radius: mm or Tyre Revs/km:*							

Note: Above results valid for all tyre sizes with rolling radii between ... mm and .. mm

* Delete as appropriate

2.3.5 (5.2.5).	[1)] Test speed 120 km/h or 80% of maximum speed if maximum is less than 150 km/h	

Notes:
For given actual road speed measured during the test the revised indicated speed for an alternative tyre size =

$$\text{Indicated Speed For Test} \times \frac{\text{Test Tyre Rolling Rad mm}}{\text{}}$$

OR

$$\text{Indicated Speed For Test} \times \frac{\text{Alternative Tyre Rolling Rad mm}}{\text{Alternative Tyre Revs/km}} \Big/ \text{Test Tyre Revs/km}$$

This assumes that the same speedo drive ratios and (where relevant) transmission ratios are the same for all tyre sizes covered by the calculations

NB: Maybe tested on rolling road if roll diameter > 400mm for mopeds, > 2000mm for other vehicles.

Remarks (if applicable): None

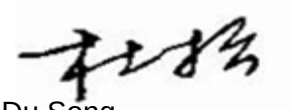
VEHICLE CERTIFICATION AGENCY

Vehicle Certification Agency,
1 The Eastgate Office Centre
Eastgate Road,
Bristol,
BS5 6XX,
United Kingdom
☎Switchboard: 0117 951 5151
System and Component Section Fax: 0117 952 4163

TEST REPORT: **IDENTIFICATION OF CONTROLS, TELL-TALES AND INDICATORS FOR TWO OR THREE WHEEL MOTOR VEHICLES**

TEST DETAILS	
Subject	IDENTIFICATION OF CONTROLS, TELL-TALES AND INDICATORS FOR TWO OR THREE WHEEL MOTOR VEHICLES
EC Directive	93/29/EEC and 2000/74/EC
ECE Regulation	Not Applicable
Location of Test	No.1218 West Wenyi Road, HangZhou,China
Date of Test	11 JUNE 2015
VCA Representative	Du Song
Manufacturer's Representative	ZhiBin Xu
Reason for Test	New approval

MANUFACTURER DETAILS	
Manufacturer's Name	Jiangsu Xinri E-Vehicle Co., Ltd.
Manufacturer's Address	No.501,Xishan Road,Anzhen Town,Xishan District,Wuxi City,Jiangsu,P.R.China
Model Type & description	XR-V5
Category	L1e

CONCLUSION	
	The above mentioned vehicle was tested in accordance with EC Directive 93/29/EEC as last amended by 2000/74/EC and was found to comply in all respects Signature:  Name: Du Song Position: Test Engineer Date: 30 JUNE 2015

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VEHICLE CERTIFICATION AGENCY

TEST REPORT: IDENTIFICATION OF CONTROLS, TELL-TALES AND INDICATORS FOR TWO OR THREE

TEST SPECIFICATION/WORST CASE RATIONALE:
Single variant

Equipment	Serial No.	Calibration data

MANUFACTURERS DOCUMENTATION

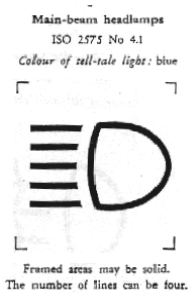
Manufacturers documentation is complete and reflects the agreed specification for the component tested and covers all variants and versions agreed in the worse case rationale — Yes

Complies Yes/NA

ANNEX I ITEMS:

(Where fitted controls tell-tales and indictors must be identified by symbols as defined in Annex I)

FIGURE 1



BLUE

MAIN BEAM HEADLAMPS

Control Fitted	YES
Control has correct symbol	Y
Symbol meets visibility and clarity requirements	Y
Symbol on or close to control	Close
Remarks: The steering wheel to the left of	
Tell-tale Fitted [Requirement: Mandatory]	Yes
Colour of Tell-tale [Requirement: Blue]	Yes
Tell-tale has correct symbol	Y
Symbol meets visibility and clarity requirements	Y
Symbol on or close to Tell-tale	Close
Remarks:N/A	

TEST REPORT: IDENTIFICATION OF CONTROLS, TELL-TALES AND INDICATORS FOR TWO OR THREE

FIGURE 2 **DIPPED BEAM HEADLAMPS**

GREEN

Control Fitted	YES
Control has correct symbol	Y
Symbol meets visibility and clarity requirements	Y
Symbol on or close to control	Close
Remarks: The steering wheel to the left of	
Tell-tale Fitted [Requirement: Optional]	NO
Colour of Tell-tale [Requirement: Green]	NO
Tell-tale has correct symbol	NO
Symbol meets visibility and clarity requirements	NO
Symbol on or close to Tell-tale	NO

FIGURE 3 **DIRECTION INDICATORS**

GREEN

Control Fitted	YES
Control has correct symbol	Y
Symbol meets visibility and clarity requirements	Y
Symbol on or close to control	Close
Remarks: The steering wheel to the left of	
Tell-tale Fitted [Requirement: Mandatory unless Audible warning fitted]	Yes
Colour of Tell-tale [Requirement: Green]	Y
Tell-tale has correct symbol	Y
Symbol meets visibility and clarity requirements	Y
Symbol on or close to Tell-tale	Close
Remarks: Tell-tale arrows operate together * for left and right indicators * Delete as appropriate	

FIGURE 4 **HAZARD WARNING**

RED

Control Fitted	NO
Control has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to control	
Remarks: The steering wheel to the left of	
Tell-tale Fitted [Requirement: Mandatory]	
Colour of Tell-tale [Requirement: Red - See Remarks]	
Tell-tale has correct symbol - See Remarks	
Symbol meets visibility and clarity requirements	
Symbol on or close to Tell-tale	
Remarks: Tell-tale/symbol ~~as Fig 4 used alone* OR Fig 4 used together~~ ~~with~~ Both ~~arrows in~~Fig 3 OR Both arrows inFig 3 used without Fig 4 * Delete as appropriate	

FIGURE 5 **CHOKE** NO

AMBER

Control Fitted	
Control has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to control	
Remarks: on the left hand bar close to instrument panel	
Tell-tale Fitted [Requirement: Optional]	
Colour of Tell-tale [Requirement: Amber]	
Tell-tale has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to Tell-tale	
Remarks:	

VEHICLE CERTIFICATION AGENCY

TEST REPORT: IDENTIFICATION OF CONTROLS, TELL-TALES AND INDICATORS FOR TWO OR THREE

FIGURE 6

HORN

Control Fitted	YES
Control has correct symbol	Y
Symbol meets visibility and clarity requirements	Y
Symbol on or close to control	CLOSE
Remarks: The steering wheel to the left of	

FIGURE 7

Outline only may also be used

AMBER

FUEL LEVEL

Indicator (Gauge) Fitted	NO
Gauge has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to gauge	
Remarks:	
Tell-tale Fitted [Requirement: Optional]	
Colour of Tell-tale [Requirement: Amber]	
Tell-tale has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to Tell-tale	
Remarks:	

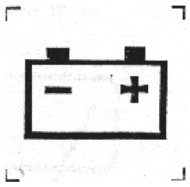
FIGURE 8

RED

ENGINE COOLANT TEMPERATURE

Indicator (Gauge) Fitted	NO
Gauge has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to gauge	
Remarks:	
Tell-tale Fitted [Requirement: Optional]	
Colour of Tell-tale [Requirement: Red]	
Tell-tale has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to Tell-tale	
Remarks:	

FIGURE 9 **BATTERY CHARGING CONDITION**



RED

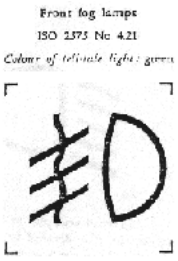
Indicator (Gauge) Fitted	YES
Gauge has correct symbol	Y
Symbol meets visibility and clarity requirements	Y
Symbol on or close to gauge	close
Remarks:	
Tell-tale Fitted [Requirement: Optional]	N/A
Colour of Tell-tale [Requirement: Red]	N/A
Tell-tale has correct symbol	N/A
Symbol meets visibility and clarity requirements	N/A
Symbol on or close to Tell-tale	N/A
Remarks:	N/A

FIGURE 10 **ENGINE OIL PRESSURE**

RED

Indicator (Gauge) Fitted	NO
Gauge has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to gauge	
Remarks:	
Tell-tale Fitted [Requirement: Optional]	
Colour of Tell-tale [Requirement: Red]	
Tell-tale has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to Tell-tale	
Remarks:	

FIGURE 11

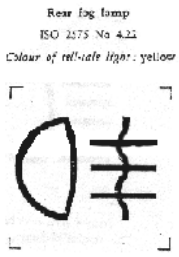


GREEN

FRONT FOG LAMPS

Control Fitted	NO
Control has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to control	
Remarks:	
Tell-tale Fitted [Requirement: Optional]	
Colour of Tell-tale [Requirement: Green]	
Tell-tale has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to Tell-tale	
Remarks:	

FIGURE 12



AMBER

REAR FOG LAMPS

Control Fitted	NO
Control has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to control	
Remarks:	
Tell-tale Fitted [Requirement: Mandatory]	
Colour of Tell-tale [Requirement: Amber]	
Tell-tale has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to Tell-tale	
Remarks:	

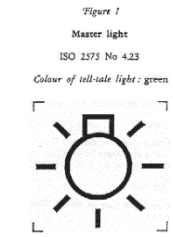
FIGURE 13 **Engine Ignition Cut Off In Out Of Use Position**

Control Fitted	YES
Control has correct symbol	Y
Symbol meets visibility and clarity requirements	Y
Symbol on or close to control	Close
Remarks: The steering wheel to the left of	

FIGURE 14 **Engine Ignition Cut Off In Operating Position**

Control Fitted	YES
Control has correct symbol	Y
Symbol meets visibility and clarity requirements	Y
Symbol on or close to control	Close
Remarks: The steering wheel to the left of	

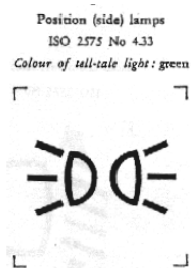
FIGURE 15 **GENERAL LIGHTING**



GREEN

Control Fitted	Yes
Control has correct symbol	Y
Symbol meets visibility and clarity requirements	Y
Symbol on or close to control	Close
Remarks:	Panel
Tell-tale Fitted [Requirement: Mandatory]**	Y
Colour of Tell-tale	Y
Tell-tale has correct symbol	Panel lamp
Symbol meets visibility and clarity requirements	
Symbol on or close to Tell-tale	NO
Remarks:** See position lamps (Fig 4) for details of tell-tale	Panel lamp

FIGURE 16 **POSITION (SIDE) LAMPS**



GREEN

Control Fitted	Y
Control has correct symbol [Can be identified by Fig15]	Y
Symbol meets visibility and clarity requirements	Y
Symbol on or close to control	CLOSE
Remarks: The steering wheel to the left of	Panel

Tell-tale Fitted [Requirement: Mandatory] (can be via panel lamp provided panel lamp cannot be turned off - brightness adjustment acceptable)	Y
Colour of Tell-tale [Requirement: Green - N/A if via panel lamp]	PANEL LAMP
Tell-tale has correct symbol (N/A if via panel lamp)	N/A
Symbol meets visibility and clarity requirements	Y
Symbol on or close to Tell-tale	CLOSE
Remarks:	PANEL LAMP

FIGURE 17
93/29 ONLY

Not Applicable For 2000/74

GREEN

PARKING LAMPS

Control Fitted	NO
Control has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to control	
Remarks:	
Tell-tale Fitted [Requirement: Optional]	
Colour of Tell-tale [Requirement: Green]	
Tell-tale has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to Tell-tale	
Remarks:	

FIGURE 18
93/29

FIGURE 17
2000/74

GREEN

GEARBOX NEUTRAL INDICATOR NO

Tell-tale Fitted [Requirement: Optional]	
Colour of Tell-tale [Requirement: Green]	
Tell-tale has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to Tell-tale	
Remarks:	

FIGURE 19
93/29
FIGURE 18
2000/74

ELECTRIC STARTER	NO
Control Fitted	
Control has correct symbol	
Symbol meets visibility and clarity requirements	
Symbol on or close to control	
Remarks: The steering wheel to the left of	

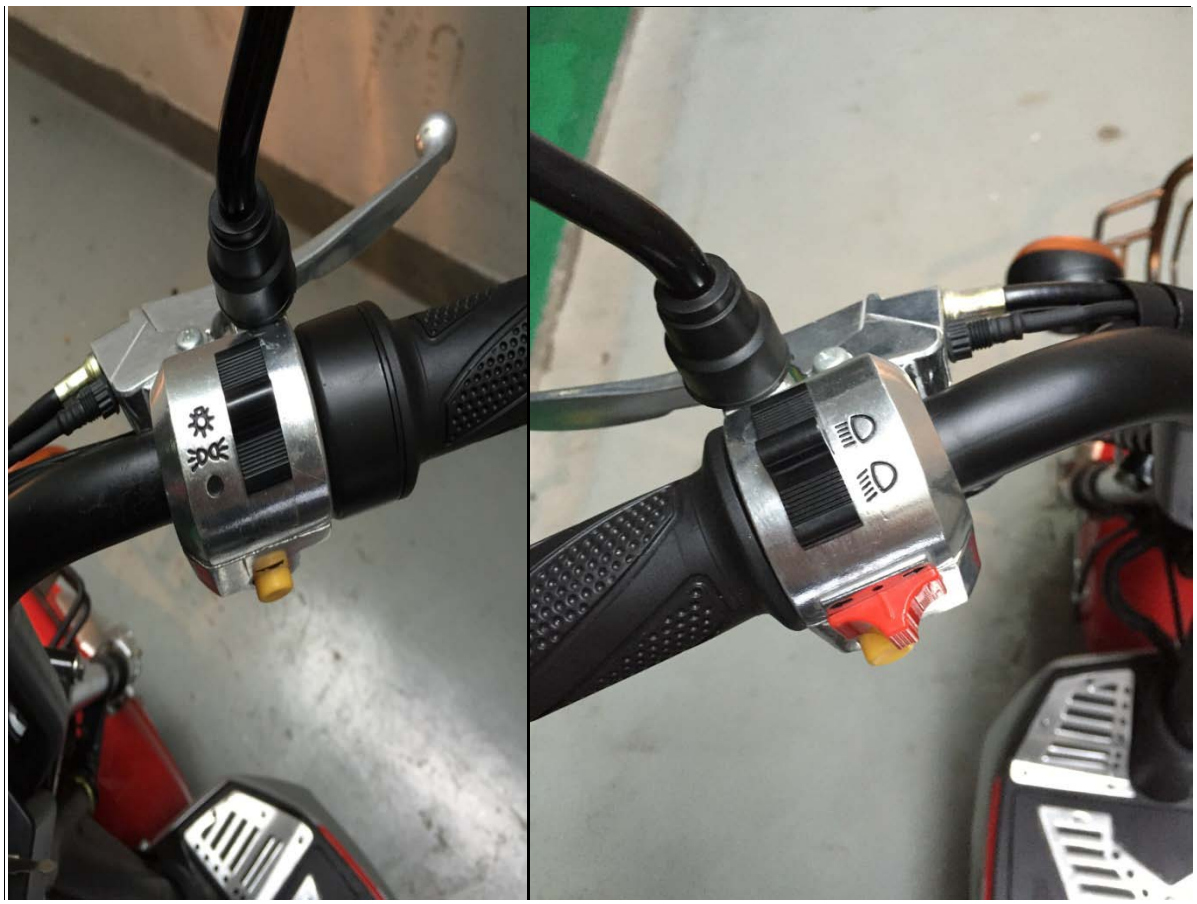
Vehicle specification include Controls, Tell-tales and/or Indicators not listed in Annex 2 and Annex 3 Give details:	N/A

Symbols used will not cause confusion with those listed in Annex 2 and Annex 3	Yes

Remarks (if applicable): None

VEHICLE CERTIFICATION AGENCY

TEST REPORT: IDENTIFICATION OF CONTROLS, TELL-TALES AND INDICATORS FOR TWO OR THREE



Vehicle Certification Agency,
1 The Eastgate Office Centre,
Eastgate Road,
Bristol,
BS5 6XX,
United Kingdom.
Telephone: +44 (0) 117 951 5151
Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
www.vca.gov.uk

TEST REPORT: Statutory markings for two or three wheel motor vehicles
Directive 93/34/EC as amended by Directive 2006/27/EC

Report/Job Number: CWQ316164

1	Risk assessment completed and stored in job folder	NA
2	Facilities and test equipments are appropriate	NA
3	Calibration certificates checked and valid, recorded below	NA

Equipment	Serial No.	Calibration data

		Complies Yes/NA
	Manufacturer's documentation complete	Yes

GENERAL

2.1	The plate conforms to the model shown in the Appendix 1.It is firmly fixed in an accessible position to a part not subject to replacement, and is easily legible.	Yes
4.2.2.2	The characters are at least 3 mm high.	Yes
2.1	The plate makes provision for the following information:	Yes
2.1.1	Name of Manufacturer: **JIANGSU XINRI E-VEHICLE CO.,LTD.**	Yes
2.1.2	Type Approval Number (including latest amending directive number) **e11*2002/24*1891**	Yes

2.1.3	Vehicle identification number		Yes
2.1.4	Static Sound Level: -- dB(A)	at --rev/min	Yes
2.1	The information above is in the correct order and indelible		Yes
2.3	Additional information (where applicable) is only marked outside the clearly marked rectangle below or to the side of the prescribed inscriptions		Yes
	The prescribed rectangle only encloses the information prescribed in 2.1.1 to 2.1.4.		Yes

2. VEHICLE IDENTIFICATION NUMBER

2(a) On the Plate:

3.1.1	The number consists of three sections:	Yes
3.1.1.1	The first has three characters which identify the manufacturer.	Yes
3.1.1.2	The second has six characters which indicate the general characteristics of the vehicle. (For mopeds type/variant/version other vehicles type and variant).	Yes
	Each characteristic represented by no more than two characters	Yes
	Unused spaces filled by alphabetical or numerical characters.	Yes
3.1.1.3	The third has eight characters (of which the last four are numerical) which identifies the particular vehicle.	Yes
	Unused spaces filled by zeros	Yes
3.1.2	There are no spaces between the characters	Yes
3.1.2	The number is marked on one line only	Yes
3.1.2	If marked on two lines:	N/A
	The valid technical reason why it is not marked on one line only is .	

	No section is divided between the two lines	
	The beginning and end of each line is indicated by a symbol which is neither an Arabic numeral nor a capital Latin letter.	
	(In the case of the data plate only), the number is marked on one line only but has no special symbol at each end	

2(b) On the Chassis / Frame

3.1	The number is hammered or punched on the right hand side of the chassis or frame and is easily accessible.	Yes
3	The marking has been designed to last 30 years.	Yes
4.2.2.1	The characters are at least 4 mm high.	Yes
3.1.1	The number consists of three sections as described in 2(a) above.	Yes
3.1.2	There are no spaces between the characters	Yes
3.1.2	The number is marked on one line only.	Yes
3.1.2	If marked on two lines:	N/A
	The valid technical reason why it is not marked on one line only is	
	No section is divided between the two lines.	
	The beginning and end of each line is indicated by a symbol which is neither an Arabic numeral nor a capital Latin letter	

3. CHARACTERS

4.1	The characters used are Latin letters and Arabic numerals.	Yes
	The manufacturer's name and VIN are marked in capital letters.	Yes
4.2.1	The characters in the VIN do not include I, O, Q, dashes, asterisks and other specific signs	Yes

Remarks (if applicable): None