

EV Service Check-List



Document ID:	SC-BCI-SD-0055-25	Date:	Jan-2025	VER:	1.0
Application:	EV (electric vehicles)				
Version:	All ZEB (excluding 5.6 and 7.5 metre vans / buses).				
Production:	Effective from vehicle produced on or after 2025.				



Although the following activities do not involve High Voltage (HV) repairs, be aware that the vehicle contains HV components that can cause serious injury or death. **DO NOT** touch any **ORANGE** harnesses or cable unless qualified to do so.

Customer:		Date:	
VIN:		Rego:	
Yr/Model:		Kms:	
		RO No:	

“A” Service:

- 1st Inspection at **5000kms** (or 6 months) whichever occurs first.
- Than at **30,000kms**, and every **30,000kms** after that (or yearly) whichever occurs first.

Special Services:

- Required once the vehicles reaches a specific kilometre or time period.

Item	Maintenance activities, inspection or checks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.0. General			
1	Check error memory and record any faults in comments area.		
2	Clean and lubricate the (24V) battery slides (if applicable) and terminals.		
3	Check operation of all external lights, including school lights if fitted.		
4	Check the operation and condition of wipers and washers: fill the washer bottle.		
5	Fire extinguishers (including fire suppression systems) - Check security, charge and expiry date.		
6	Check tension of all wheel nuts.		
7	Inspect tyres for irregular wear or damage: report and document any discrepancies.		
8	Check tyre pressures and adjust as required (including spare wheel , if applicable)		
9	Inspect all front, rear and side glass for damage.		
10	Check all mirrors and/or cameras for secure attachment and/or damage.		
11	Inspect emergency decals for fading and damage		

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2.0 Under vehicle inspections			
12	Inspect all coolant pipes to ensure they are secure and free from damage.		
13	Inspect all brake lines to ensure they are secure and free from damage.		
14	Inspect all power steering lines to ensure they are secure and free from damage.		
15	Check for air leaks.		
16	Drain air tanks to remove any water.		
17	Check front suspension, ball joints, shock absorbers, air bags and steering knuckles for excessive movement / security, or damage.		
18	Check kingpins and wheel bearing for excessive movement.		
19	Check rear suspension, air bags, shock absorbers, sway bar bushes for excessive movement / security or damage.		
20	Check tailshaft for security and excessive movement.		
21	Perform a general check of chassis components, fasteners, wiring harnesses, and piping for leaks, damage and security.		
22	Check rear axle oil level.		
23	Inspect rear axle for oil leaks.		
24	Ensure the rear axle breather is clean.		
25	Check condition of the front and rear brake rotors.		
26	Check front and rear brake pad thickness and record measurements.		
27	Adjust brakes, if required.		
28	Lubricate all grease points.		
3.0. High Voltage components			
<i>Traction motor</i>			
29	Check for external damage.		
30	Clean the outside of the motor to remove excessive mud, dirt or debris , if required.		
31	Check the condition and security of motor mounts.		
32	Perform an external inspection of all electrical harnesses for security and damage.		
<i>Traction batteries</i>			
33	External inspection of battery casings for damage , leaks and security.		
34	External inspection of all coolant lines for security and damage.		
35	Perform an external inspection of all electrical harnesses for security and damage.		
<i>Air compressor drive unit</i>			
36	External inspection of AC drive for damage , leaks and security.		
37	Perform an external inspection of all electrical harnesses for security and damage.		
38	Inspect and clean primary and secondary filters. Replace as required.		
39	Ensure motor is free from dust or mud build up on all surfaces. Clean with air gun if required.		
40	Ensure air compressor drive fan is operating correctly.		

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Power steering drive unit			
41	Check power steering fluid level and add fluid if required.		
42	External inspection of drive unit for damage , leaks and security.		
43	Perform an external inspection of all electrical harnesses for security and damage.		
Coolant drive unit (2 systems)			
44	Check coolant levels in both reservoirs and add coolant if required.		
45	External inspection of drive unit for damage / leaks and security.		
46	Perform an external inspection of all electrical harnesses for security and damage.		
47	Check and ensure correct operation of fans.		
4.0. Interior inspection			
48	Check passenger seats for damage and security.		
49	Check operation of all seat belts (if applicable).		
50	Inspect emergency hammers and lighting for operation, and decals for fading and damage.		
51	Check driver's seat for functionality, security and damage.		
52	Check USB connectors for functionality (if applicable).		
5.0 Door inspection (repeat each task on all doors)			
Ventura doors reference " PlugslidingDoor_MM_PS2_200001.PDF " and " InwardGlidingDoor_MM_IG4_100001.PDF " (J: Parts and service after Sales Folder/ doors)			
53	Check for ease of movement, height, position, and alignment of door leaves.		
54	Check operation for entrapment safety .		
55	Inspect emergency decals for fading and damage.		
56	Check operation of wheelchair ramp for ease of movement and safety interlock.		
57	Check doors to ensure compliance to TS155.		
*Check special service requirement s before moving to road test.			
6.0. Road test			
58	Check operation of horn.		
59	Check operation of all gauges , switches and controls.		
60	Check operation of park brake.		
61	Check operation of brakes for smooth and controlled braking.		
62	Check steering operation for response, smoothness without vibration or excessive play		

