

Kim, Seong Hun

From: noreply@salesforce.com on behalf of California Air <mcertfees@arb.ca.gov>
Sent: Monday, June 16, 2025 11:17 AM
To: Kim, Seong Hun
Subject: [From: External] MS Fee Payment Confirmation for Invoice MSF241249
Attachments: MSF241249 - signed.pdf

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Dear Seong Hun Kim

Attached is documentation for your MS Fee payment for Invoice Name MSF241249. Please include a copy of this invoice and email with each application that is listed when submitting your application to the applicable MS Fee program.

1. Payment ID – 24RA0393
2. Date of Payment – 6/10/2025
3. Payment Status - Paid



MOBILE SOURCE CERTIFICATION AND COMPLIANCE FEE PAYMENT FORM FOR ON-ROAD APPLICATIONS ONLY

CARB USE ONLY

Invoice Name	MSF241249
Invoice Date	May 19, 2025

COMPANY INFORMATION

Company Name	Volkswagen Group of America, Inc.
Address	3800 Hamlin Road
City	Auburn Hills
State	MI
Zip	48326
Country	United States
Contact Name	Seong Hun Kim
Contact Telephone Number	2489314347
Contact Email	sunny.kim@vw.com
CARB Customer Number	CCAM000085

APPLICATION INFORMATION

Payment Row Number	Product Description or File Name	Model Year/Calendar Year	Unique Application Identifier: Test Group, Engine Family, Trailer Family, Vehicle Family, ZEP Family, if applicable (ID listed in payment row must match the unique identifier given to the certification application)	Category Type	Fee Type	Amount
1	VW_Tiguan_LK1&2	Model Year 2026	TVGAJ02.0V3G	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 48,447.00
2	VW_ID.4 82 AWD	Model Year 2026	TVGAT00.0VZA	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,111.00
3	VW_ID.4 82 RWD	Model Year 2026	TVGAV00.0VZR	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,111.00
4	VW_ID.4 AWD	Model Year 2026	TVGAT00.0V8A	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,111.00
5	VW_ID.4 RWD	Model Year 2026	TVGAV00.0V8R	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,111.00
6	VW_ID.Buzz AWD 91	Model Year 2026	TVGAV00.0V9A	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,111.00
7	VW_ID.Buzz RWD 91	Model Year 2026	TVGAV00.0V9R	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,111.00
8	VW_ID.Buzz AWD 89	Model Year 2026	TVGAV00.0VSA	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,111.00
9	VW_ID.Buzz RWD 89	Model Year 2026	TVGAV00.0VSR	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,111.00

Total Due	\$ 145,335.00
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I, Tony Dambrasi
Tony Dambrasi, May 01, 2021 11:04:03Z

(Responsible Party Signature Here)

_, attest that any information provided is true, accurate, and complete.



Volkswagen AG, a member of the Volkswagen Group

Application for Emissions Certification

2026 Model Year

Durability Group: TVGAEEVNNVZB

Evap. Family: N/A

Test Group: TVGAV00.0V9A

Certificate Number: TVGAV00.0V9A-XXX

Test Group Description: BEV, Electric Drive

Battery Capacity (kWh): Li-Ion Battery capacity 91kWh
Nominal Voltage 382V

Applicable Exhaust Standards: 50 State Federal: Tier 3 Bin 0
California: ZEV

Carlines Covered: ID. Buzz 4Motion

Vehicles Tested:

VID	Config.	Test Type / #	Test Type / #
VN41S-15-0009	0	MCT - Mode D / SVGA10086252	MCT- Mode B / SVGA10086253

Issue Date:09/26/2025

Questions, Contact:
EEO Office, Auburn Hills, Michigan

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1. Correspondence and Communication

Please refer to the Common Section

2. Durability Group Description

Not Applicable

3. Evaporative / Refueling Family Description

Not Applicable

4. Durability Procedure Description

Not Applicable

5.0 Test Group Description

Evap. Family:	N/A
Test Group Name:	TVGAV00.0V9A
Certificate Number:	TVGAV00.0V9A-XXX
Engine displacements covered:	Electric – 0.0
Arrangement and number of cylinders:	N/A
Vehicle class(es) covered:	LDV / PC
Federal Emissions Standards Class:	Tier 3 Bin 0
California Emissions Standards Class:	ZEV

5.1 Test Group Emission Standards

Not Applicable

6. Test Vehicle Description

Certificate Number: TVGAV00.0V9A-XXX
Models: ID. Buzz 4Motion Pro S Plus
Test Group: TVGAV00.0V9A
Evaporative/Refueling Family: N/A

VID	Config.	Vehicle Type	Tests Performed
VN41S-14-0270	0	FEDV	MCT - Mode D , MCT - Mode B

7. Test Results

Please refer to the Certification Summary Information Report.

Certification Summary Information Report

Manufacturer	Volkswagen Group of America, Inc.	Manufacturer Code	VGA
Test Group	TVGAV00.0V9A	Evaporative/Refueling Family	--
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	09/26/2025 09:14:58 AM
Model Year	2026		

Test Group Information

CSI Type	Update for Correction	Running Change Reference Number	--
GHG Exempt Status	Not Exempt		

Drive Sources and Fuel(s)

Drive Source #1: Electric Motor

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Electricity	--	--

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	Yes
Fuel Cell Indicator	No	EPA Vehicle Class	LDV
Federal Clean Fuel Vehicle	No	Federal Clean Fuel Vehicle Standard	--
Federal Clean Fuel Vehicle ILEV	No	California Partial Zero Emissions Vehicle Indicator	--
Durability Group Name	TVGAEEVNNVZB	Durability Group Equivalency Factor	1.0
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Not Applicable	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	No		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	TVGAV00.0V9A
Test Group OBD Compliance Level	Full - no deficiencies	Number of Test Group OBD Deficiencies	0
OBD Deficiencies Comments	OBD compliance is not applicable. Values in this section are placeholders to allow submission of data set.		
Mfr Test Group Comments	--		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	TVGAV00.0V9A	Evaporative/Refueling Family	--							
Models Covered by this Certificate										
Carline Manufacturer	Division	Carline	Certification Region Code(s)							
Drive System	Trans - Type	- # of Gears	Trans - Lockup							
Volkswagen Group of America, Inc.	1 - Volkswagen	397 - ID. Buzz 4Motion	California + CAA Section 177 states							
All Wheel Drive	Automatic	1	No							
Volkswagen Group of America, Inc.	1 - Volkswagen	397 - ID. Buzz 4Motion	Federal							
All Wheel Drive	Automatic	1	No							
Engine Description										
Hybrid Type	--	Hybrid Description	--							
Engine Type	--	Mfr Engine Description	--							
Engine Block Arrangement	--	Mfr Engine Block Arrangement Description	--							
Camless Valvetrain Indicator	--	Oil Viscosity/Classification	--							
Number of Cylinders/Rotors	--	Mechanically Variable Compression Ratio Indicator	--							
After Treatment Device(s) (ATD)										
Mfr After Treatment Device (ATD) Comments	--									
Direct Ozone Reduction (DOR) Device	--									
Mfr Emission Control Device Comments	--									
Official Test Numbers										
Test Group Fuel	FTP	US06	SC03	Cold CO	Highway	EPA City Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Electricity	--	--	--	--	--	--	--	--	--	--
SFTP LEV-III Official Test Numbers										
Test Group Fuel	FTP	US06	SC03							
Electricity	--	--	--							
Official Charge Depleting Test Numbers										
Test Group Fuel	UDDS	Highway								
Electricity	--	--								

Certification Summary Information Report

Test Group	TVGAV00.0V9A	Evaporative/Refueling Family	--
Hybrid Electric Vehicle And Fuel Cell Information			
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if Other	--
Battery Type	Lithium Ion	Number of Battery Packs	1
Total Voltage of Battery Packs	382	Battery Energy Capacity	240
Battery Specific Energy	164.2	Battery Charger Type	Both
Number of Capacitors	--	Capacitor Rating (In Farads)	--
Mfr Capacitor Comments	--		
Hydraulic System Description	--		
Regenerative Braking Type	Electrical Regen Brake		
Regenerative Braking Source	Both	Driver Controlled Regenerative Braking	Yes
Mfr Regenerative Braking Description	--		
Drive Motor(s)/Generator(s)	2		
Motor/Generator Type 1	Alternating Current / 3 phases	Rated Motor/Generator Power	80
Motor/Generator Type 2	Alternating Current / 3 phases	Rated Motor/Generator Power	210
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	Usable H2 Fill Capacity (kg)	--
Mfr Hybrid Electric/ Electric Vehicle Comments	1 Battery Pack contains 13 Battery Modules, Battery Total Voltage = Nominal Voltage, 2 Drive Motor: EDDB + ECNB		

Certification Summary Information Report

Test Group	TVGAV00.0V9A	Evaporative/Refueling Family	--						
Emission Data Vehicle Information									
Vehicle ID / Configuration	VN41S-15-0009 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	SVGAV00.0VZB	Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2025								
Vehicle Model									
Represented Test Vehicle Make	Volkswagen	Represented Test Vehicle Model	ID. Buzz 4Motion						
Leak Family Details									
Leak Family Identifier	--	Leak Family Name	--						
Drive Sources and Fuel System Details									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Drive Source and Fuel#</th> <th style="width: 33%;">Drive Source</th> <th style="width: 33%;">Fuel</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Electric Motor</td> <td style="text-align: center;">Electricity</td> </tr> </tbody> </table>				Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity
Drive Source and Fuel#	Drive Source	Fuel							
1	Electric Motor	Electricity							
Hybrid Indicator	No	Multiple Fuel Combustion	--						
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes						
Fuel Cell Indicator	No	Rechargeable Energy Storage System, if 'Other'	--						
Rechargeable Energy Storage System	Battery(s)								
Off-board charge Capable Indicator	Yes	Odometer Correction Factor	0.9965						
Odometer Correction -- Initial	0								
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	EDDB / ECNB	Rated Horsepower	335						
Displacement (liters)	0.01	Air Aspiration Method, if 'Other'							
Air Aspiration Method	Naturally Aspirated	Air Aspiration Device Configuration	--						
Number of Air Aspiration Devices	--	Drive Mode While Testing	All Wheel Drive						
Charge Air Cooler Type	N/A	Aged Emission Components	4,000 (mi)						
Shift Indicator Light Usage	Not equipped	Equivalent Test Weight (pounds)	6500						
Curb Weight (lbs)	6235	N/V Ratio	112.2						
GVWR (lbs)	7408								
Axle Ratio	9.81	# of Transmission Gears	1						
Transmission Type	Automatic	Creeper Gear	No						
Transmission Lockup	No								
Dynamometer Coefficients:									
Target Coefficients			Set Coefficients						
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)						
City/Highway/Evap	47.26	0.1723	0.02505						
			A (lbf)						
			5.04						
			B (lbf/mph)						
			-0.0105						
			C (lbf/mph**2)						
			0.02498						
			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients						
			15.8						
Emission Control Device Comments									
FRONT:EDDB, REAR:ECNB									

Certification Summary Information Report

Test Group	TVGAV00.0V9A	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	MY25 VW ID. Buzz 4Motion tested in D-mode & B-mode. Front Final Axle Ratio: 11.35 -- N/V Ratio: 130.4 Rear Final Axle Ratio: 9.81 -- N/V Ratio: 112.2.		

Certification Summary Information Report

Test Group	TVGAV00.0V9A	Evaporative/Refueling Family	--
Test #	SVGA10086252	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	05/07/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB1		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	8301	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	96.393
Charge Depleting Range (Calculated miles)	351.919	Charge Depleting Range (Actual miles)	351.919
Charge Depleting Range Highway (Calculated miles)	301.319	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	351.919
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--

Charge Depleting Bag/Phase #1

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.456
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.0786
Drive Trace Energy Economy Rating	-1.0293
Drive Trace Inertia Work Ratio Rating	0.4967
Integrated DC KW-HRS	1.9395
Manufacturer Fuel Economy	26.012

Charge Depleting Bag/Phase #2

Certification Summary Information Report

Test Group	TVGAV00.0V9A	Evaporative/Refueling Family	--																
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>10.262</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>2.7948</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-0.3601</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>3.92</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>2.9705</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>28.946</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.262	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	2.7948	Drive Trace Energy Economy Rating	-0.3601	Drive Trace Inertia Work Ratio Rating	3.92	Integrated DC KW-HRS	2.9705	Manufacturer Fuel Economy	28.946
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Drive Trace Energy Economy Rating	-0.3601																		
Drive Trace Inertia Work Ratio Rating	3.92																		
Integrated DC KW-HRS	2.9705																		
Manufacturer Fuel Economy	28.946																		
Charge Depleting Bag/Phase #3																			
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>7.467</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>0.3986</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-0.7043</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>0.78</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>1.8625</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>24.943</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.467	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.3986	Drive Trace Energy Economy Rating	-0.7043	Drive Trace Inertia Work Ratio Rating	0.78	Integrated DC KW-HRS	1.8625	Manufacturer Fuel Economy	24.943
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Integrated DC KW-HRS	1.8625																		
Manufacturer Fuel Economy	24.943																		
Charge Depleting Bag/Phase #4																			
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>179.195</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>6.0309</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>0.097</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>12.26</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>64.7914</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>36.157</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	179.195	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	6.0309	Drive Trace Energy Economy Rating	0.097	Drive Trace Inertia Work Ratio Rating	12.26	Integrated DC KW-HRS	64.7914	Manufacturer Fuel Economy	36.157
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Drive Trace Inertia Work Ratio Rating	12.26																		
Integrated DC KW-HRS	64.7914																		
Manufacturer Fuel Economy	36.157																		
Charge Depleting Bag/Phase #5																			
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>7.466</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>0.5954</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-0.988</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>1.3087</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>1.7854</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>23.914</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.466	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.5954	Drive Trace Energy Economy Rating	-0.988	Drive Trace Inertia Work Ratio Rating	1.3087	Integrated DC KW-HRS	1.7854	Manufacturer Fuel Economy	23.914
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Carbon-Related Exhaust Emissions	0																		
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Drive Trace Energy Economy Rating	-0.988																		
Drive Trace Inertia Work Ratio Rating	1.3087																		
Integrated DC KW-HRS	1.7854																		
Manufacturer Fuel Economy	23.914																		
Charge Depleting Bag/Phase #6																			

Certification Summary Information Report

Test Group	TVGAV00.0V9A	Evaporative/Refueling Family	--
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Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.26
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.1361
Drive Trace Energy Economy Rating	-0.6087
Drive Trace Inertia Work Ratio Rating	1.72
Integrated DC KW-HRS	2.8807
Manufacturer Fuel Economy	28.077

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.464
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.5195
Drive Trace Energy Economy Rating	-0.9447
Drive Trace Inertia Work Ratio Rating	0.8961
Integrated DC KW-HRS	1.8115
Manufacturer Fuel Economy	24.269

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	21.132
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	2.2428
Drive Trace Energy Economy Rating	-0.3725
Drive Trace Inertia Work Ratio Rating	4.6
Integrated DC KW-HRS	7.8696
Manufacturer Fuel Economy	37.24

Manufacturer Test Comments

MY25 VW ID. Buzz 4Motion tested in D-mode.

Certification Summary Information Report

Test Group		TVGAV00.0V9A				Evaporative/Refueling Family				--		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

Certification Summary Information Report

Test Group	TVGAV00.0V9A	Evaporative/Refueling Family	--
Test #	SVGA10086253	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	05/08/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB1		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	8700	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	96.353
Charge Depleting Range (Calculated miles)	355.747	Charge Depleting Range (Actual miles)	355.747
Charge Depleting Range Highway (Calculated miles)	301.282	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	355.747
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--

Charge Depleting Bag/Phase #1

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.435
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.078
Drive Trace Energy Economy Rating	-0.2047
Drive Trace Inertia Work Ratio Rating	0.2085
Integrated DC KW-HRS	1.9154
Manufacturer Fuel Economy	25.761

Charge Depleting Bag/Phase #2

Certification Summary Information Report

Test Group	TVGAV00.0V9A	Evaporative/Refueling Family	--																
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>10.265</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>1.4263</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>0.1034</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>1.92</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>2.9701</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>28.934</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.265	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.4263	Drive Trace Energy Economy Rating	0.1034	Drive Trace Inertia Work Ratio Rating	1.92	Integrated DC KW-HRS	2.9701	Manufacturer Fuel Economy	28.934
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.265																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.4263																		
Drive Trace Energy Economy Rating	0.1034																		
Drive Trace Inertia Work Ratio Rating	1.92																		
Integrated DC KW-HRS	2.9701																		
Manufacturer Fuel Economy	28.934																		
Charge Depleting Bag/Phase #3																			
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>7.435</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>1.1794</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>0.9043</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>1.5181</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>1.8356</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>24.689</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.435	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.1794	Drive Trace Energy Economy Rating	0.9043	Drive Trace Inertia Work Ratio Rating	1.5181	Integrated DC KW-HRS	1.8356	Manufacturer Fuel Economy	24.689
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Actual Distance Driven (miles)	7.435																		
Carbon-Related Exhaust Emissions	0																		
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Drive Trace Energy Economy Rating	0.9043																		
Drive Trace Inertia Work Ratio Rating	1.5181																		
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Manufacturer Fuel Economy	24.689																		
Charge Depleting Bag/Phase #4																			
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Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	179.294																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	6.9139																		
Drive Trace Energy Economy Rating	0.1517																		
Drive Trace Inertia Work Ratio Rating	14.07																		
Integrated DC KW-HRS	64.9397																		
Manufacturer Fuel Economy	36.22																		
Charge Depleting Bag/Phase #5																			
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>7.453</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>0.3606</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>0.0615</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>0.9825</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>1.7695</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>23.742</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.453	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.3606	Drive Trace Energy Economy Rating	0.0615	Drive Trace Inertia Work Ratio Rating	0.9825	Integrated DC KW-HRS	1.7695	Manufacturer Fuel Economy	23.742
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.453																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.3606																		
Drive Trace Energy Economy Rating	0.0615																		
Drive Trace Inertia Work Ratio Rating	0.9825																		
Integrated DC KW-HRS	1.7695																		
Manufacturer Fuel Economy	23.742																		
Charge Depleting Bag/Phase #6																			

Certification Summary Information Report

Test Group	TVGAV00.0V9A	Evaporative/Refueling Family	--
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Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.275
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	2.5089
Drive Trace Energy Economy Rating	0.1509
Drive Trace Inertia Work Ratio Rating	3.35
Integrated DC KW-HRS	2.8993
Manufacturer Fuel Economy	28.217

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.441
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.7149
Drive Trace Energy Economy Rating	0.3756
Drive Trace Inertia Work Ratio Rating	0.8901
Integrated DC KW-HRS	1.7906
Manufacturer Fuel Economy	24.064

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	21.714
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	5.5139
Drive Trace Energy Economy Rating	-0.3268
Drive Trace Inertia Work Ratio Rating	11.37
Integrated DC KW-HRS	7.9726
Manufacturer Fuel Economy	36.716

Manufacturer Test Comments

MY25 VW ID. Buzz 4Motion tested in B-mode.

Certification Summary Information Report

Test Group		TVGAV00.0V9A				Evaporative/Refueling Family				--		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

Fuel Properties

Certification Summary Information Report

Test Group	TVGAV00.0V9A		Evaporative/Refueling Family				--			
Consolidated List of Standards										
Exhaust Standards										
Cert Region	Federal			Cert/In-Use Code			Cert			
Vehicle Class	LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 0			
Fuel	Electricity			Test Procedure			Federal fuel 2-day exhaust (w/can load)			
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
150,000 miles	CO	--	--	--	--	--	--	0	0	
Exhaust Standards										
Cert Region	Federal			Cert/In-Use Code			Cert			
Vehicle Class	LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 0			
Fuel	Electricity			Test Procedure			Multi-Cycle Test (MCT)			
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
150,000 miles	CO	--	--	--	--	--	--	0	0	
150,000 miles	CREE	--	--	--	--	--	--	0	0	
Exhaust Standards										
Cert Region	California + CAA Section 177 states			Cert/In-Use Code			Cert			
Vehicle Class	LDV/Passenger Car			Standard Level			California ZEV			
Fuel	Electricity			Test Procedure			Federal fuel 2-day exhaust (w/can load)			
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
150,000 miles	CO	--	--	--	--	--	--	0	0	
Exhaust Standards										
Cert Region	California + CAA Section 177 states			Cert/In-Use Code			Cert			
Vehicle Class	LDV/Passenger Car			Standard Level			California ZEV			
Fuel	Electricity			Test Procedure			Multi-Cycle Test (MCT)			
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
150,000 miles	CO	--	--	--	--	--	--	0	0	
150,000 miles	CREE	--	--	--	--	--	--	0	0	

Certification Summary Information Report

Test Group	TVGAV00.0V9A	Evaporative/Refueling Family	--
Glossary			
Useful Life			
4	4,000 miles	120	120,000 miles
50	50,000 miles	150	150,000 miles
100	100,000 miles		
Emission Name			
HC-TOTAL	Total Hydrocarbon	AS-VOLT	Average System Voltage
CO	Carbon Monoxide	CO2 BAG 1	Bag 1 Carbon Dioxide
CO2	Carbon dioxide	CO2 BAG 2	Bag 2 Carbon Dioxide
CREE	Carbon-Related Exhaust Emissions	CO2 BAG 3	Bag 3 Carbon Dioxide
OPT-CREE	Optional Carbon-Related Exhaust Emissions	CO2 BAG 4	Bag 4 Carbon Dioxide
NOX	Nitrogen Oxide	NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides
PM	Particulate Matter	NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides
PM-COMP	SFTP Composite Particulate Matter	DT-IWRR	Drive Trace Inertia Work Ratio Rating
HC-NM	Non-methane Hydrocarbon	DT-ASCR	Drive Trace Absolute Speed Change Rating
OMHCE	Organic material Hydrocarbon Equivalent	DT-EER	Drive Trace Energy Economy Rating
OMNMHCE	Organic material non-methane HC equivalent	COMB-CREE	Combined Carbon-Related Exhaust Emissions
NMOG	Non-methane organic gases	COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions
HCHO	Formaldehyde	HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only
H3C2HO	Acetaldehyde	METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03	N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides	LEAK-DIA	Effective Leak Diameter (inches)
CO-COMP	SFTP Composite Carbon Monoxide	LEAK-GAS CAP	Gas Cap Leakage (cc/min)
ETHANOL	C2H5OH - Ethanol	CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only
FE BAG 1	Bag 1 Fuel Economy	KW-HRS	Integrated DC KW-HRS
FE BAG 2	Bag 2 Fuel Economy	CH4 BAG 1	Bag 1 Methane
FE BAG 3	Bag 3 Fuel Economy	CH4 BAG 2	Bag 2 Methane
FE BAG 4	Bag 4 Fuel Economy	CH4 BAG 3	Bag 3 Methane
MFR FE	Manufacturer Fuel Economy	CH4 BAG 4	Bag 4 Methane
HC	Hydrocarbon for Running Loss and ORVR	CO BAG 1	Bag 1 Carbon Monoxide
METHANE	CH4 - Methane	CO BAG 2	Bag 2 Carbon Monoxide
METHANOL	CH3OH - Methanol	CO BAG 3	Bag 3 Carbon Monoxide
N2O	Nitrous Oxide	CO BAG 4	Bag 4 Carbon Monoxide
SPITBACK	Spitback Hydrocarbon in grams	NMOG BAG 1	Bag 1 Non-methane organic gases
AMP-HRS	Integrated Amp-hours	NMOG BAG 2	Bag 2 Non-methane organic gases
START-SOC	System Start State of Charge Watt-hours	NMOG BAG 3	Bag 3 Non-methane organic gases
END-SOC	System End State of Charge Watt-hours	NMOG BAG 4	Bag 4 Non-methane organic gases
ACT-DISTANCE	Actual Distance Driven (miles)		

Certification Region

Certification Summary Information Report

Test Group	TVGAV00.0V9A	Evaporative/Refueling Family	
CA	California + CAA Section 177 states	FA	Federal
Exhaust Emission Standard Level			
B1	Federal Tier 2 Bin 1	T3B160	Federal Tier 3 Bin 160
B2	Federal Tier 2 Bin 2	T3B125	Federal Tier 3 Bin 125
B3	Federal Tier 2 Bin 3	T3B110	Federal Tier 3 Transitional Bin 110
B4	Federal Tier 2 Bin 4	T3B85	Federal Tier 3 Transitional Bin 85
B5	Federal Tier 2 Bin 5	T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover
B6	Federal Tier 2 Bin 6	T3B70	Federal Tier 3 Bin 70
B7	Federal Tier 2 Bin 7	T3B50	Federal Tier 3 Bin 50
B8	Federal Tier 2 Bin 8	T3B30	Federal Tier 3 Bin 30
B9	Federal Tier 2 Bin 9	T3B20	Federal Tier 3 Bin 20
B10	Federal Tier 2 Bin 10	T3B0	Federal Tier 3 Bin 0
B11	Federal Tier 2 Bin 11	HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)	HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)	HDV2B250	Federal Tier 3 HD Class 2b Bin 250
L2	California LEV-II LEV	HDV2B200	Federal Tier 3 HD Class 2b Bin 200
L2OP	California LEV-II LEV Optional	HDV2B170	Federal Tier 3 HD Class 2b Bin 170
U2	California LEV-II ULEV	HDV2B150	Federal Tier 3 HD Class 2b Bin 150
S2	California LEV-II SULEV	HDV2B0	Federal Tier 3 HD Class 2b Bin 0
ZEV	California ZEV	HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630
OT	Other	HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570
T1	Federal Tier 1	HDV3B400	Federal Tier 3 HD Class 3 Bin 400
PZEV	California PZEV	HDV3B270	Federal Tier 3 HD Class 3 Bin 270
L2LEV160	California LEV-II LEV160	HDV3B230	Federal Tier 3 HD Class 3 Bin 230
L2ULEV125	California LEV-II ULEV125	HDV3B200	Federal Tier 3 HD Class 3 Bin 200
L2SULEV30	California LEV-II SULEV30	HDV3B0	Federal Tier 3 HD Class 3 Bin 0
L2LEV395	California LEV-II LEV395	L4SULEV100	California LEV-IV SULEV100
L2ULEV340	California LEV-II ULEV340	L4SULEV125	California LEV-IV SULEV125
L2LEV630	California LEV-II LEV630	L4SULEV15	California LEV-IV SULEV15
L2ULEV570	California LEV-II ULEV570	L4SULEV150	California LEV-IV SULEV150
L3LEV160	California LEV-III LEV160	L4SULEV170	California LEV-IV SULEV170
L3ULEV125	California LEV-III ULEV125	L4SULEV175	California LEV-IV SULEV175
L3ULEV70	California LEV-III ULEV70	L4SULEV20	California LEV-IV SULEV20
L3ULEV50	California LEV-III ULEV50	L4SULEV200	California LEV-IV SULEV200
L3SULEV30	California LEV-III SULEV30	L4SULEV230	California LEV-IV SULEV230
L3SULEV20	California LEV-III SULEV20	L4SULEV25	California LEV-IV SULEV25
L3LEV395	California LEV-III LEV395	L4SULEV30	California LEV-IV SULEV30
L3ULEV340	California LEV-III ULEV340	L4SULEV75	California LEV-IV SULEV75
L3ULEV250	California LEV-III ULEV250	L4SULEV85	California LEV-IV SULEV85
L3ULEV200	California LEV-III ULEV200	L4ULEV125	California LEV-IV ULEV125

Certification Summary Information Report

Test Group		TVGAV00.0V9A	Evaporative/Refueling Family		--
L3SULEV170	California LEV-III SULEV170		L4ULEV200	California LEV-IV ULEV200	
L3SULEV150	California LEV-III SULEV150		L4ULEV250	California LEV-IV ULEV250	
L3LEV630	California LEV-III LEV630		L4ULEV270	California LEV-IV ULEV270	
L3ULEV570	California LEV-III ULEV570		L4ULEV40	California LEV-IV ULEV40	
L3ULEV400	California LEV-III ULEV400		L4ULEV400	California LEV-IV ULEV400	
L3ULEV270	California LEV-III ULEV270		L4ULEV50	California LEV-IV ULEV50	
L3SULEV230	California LEV-III SULEV230		L4ULEV60	California LEV-IV ULEV60	
L3SULEV200	California LEV-III SULEV200		L4ULEV70	California LEV-IV ULEV70	
Transmission Type Code					
AMS	Automated Manual- Selectable (e.g. Automated Manual with paddles)		M	Manual	
A	Automatic		OT	Other	
AM	Automated Manual		SA	Semi-Automatic	
CVT	Continuously Variable		SCV	Selectable Continuously Variable (e.g. CVT with paddles)	
Drive System Code					
4	4-Wheel Drive		P	Part-time 4-Wheel Drive	
F	2-Wheel Drive, Front		A	All Wheel Drive	
R	2-Wheel Drive, Rear				
Additional Terms and Acronyms					
AFC	Alternative Fuel Converter		ICI	Independent Commercial Importer	
CSI	Certificate Summary Information		ORVR	Onboard Refueling Vapor Recovery	
DF	Deterioration Factor		SIL	Shift Indicator Light	
Evap	Evaporation, Evaporative		Trans	Transmission	

8. Emission Testing Waiver Statements

Not Applicable

9.0 OBD System Description

Not Applicable

10. Description of Alternate Fueled Vehicles

Not applicable

11. Auxiliary Emission Control Devices (AECD) Descriptions

Not Applicable

12.0 List of Certified Vehicles

Durability Group	TVGAEEVNNVZB
Test Group	TVGAV00.0V9A
Evap Family	N/A
Emission Control System:	N/A

Engine Displacement:	0.0 liter
Valves per Cylinder:	N/A
Sales Area:	50 states
MMS:	N/A
SIL:	N/A

Engine Code	Model	Vehicle Class	Engine Code Characteristics			HP @RPM	Torque @RPM [lb-ft]	Trans. / OD	ETW	Curb Weight [lbs]	Tire size	N/V Ratio
			Cat. Code	Compression ratio	Idle [rpm]							
Front: EDDB / Rear: ECNB	ID. Buzz 4Motion Pro S Plus	LDV	N/A	N/A	N/A	Please see Section 12	Please see Section 12	Front: EQ150-1K / Rear: EQ550-1P	6500	6219 (USA 6-Seater) 6243 (Canada 6-Seater)	Front: 235/50 R20 Rear: 265/45 R20	Rear: 112.187

12.1 Transmissions

Transmission	Transmission Characteristic				
	Drivetrain	Gear Count	Gearbox Ratios		
			Axle	Gear 1	Drive Ratio
Front: EQ150-1K / Rear: EQ550-1P	AWD	1	Front: 3.783 Rear: 3.895	Front: 3.000 Rear: 2.519	Front: 11.348 Rear: 9.809

12.2 Test conditions

Model	ETW	Road Track Coefficients						TRL50	TCDT	Fan Pos.	Drive Mode for Testing	Shift Sched. I.D.
		F0	F1	F2	F0	F1	F2					
	[lbs]	[lb*f]	[lb*f/mph]	[lb*f/(mph) ²]	[N]	[N/(km/h)]	[N/(km/h) ²]	[hp]	[s]			
ID. Buzz 4Motion	6500	47.26	0.1723	0.02505	210.24	0.4761	0.04303	15.8	25.75	20	D and B modes	automatic

Vehicle Starting procedure:

Turning on the ignition by sitting on the driver-seat or by pressing the "Stop/Start" button.

The vehicle will show "ON" in the instrument cluster.

To get the vehicle into "READY" the doors must be closed and the seatbelts have to be buckled in.

By pressing the brake pedal and shifting the gear lever into ether R or D/B the car will switch into "READY".

ESP/ABS Deactivation procedure

Dyno Mode must be activated.

Refer to Section 16 for Dyno Mode activation procedure.

Fan Position during dyno testing:

Road Speed Fan (Modulated)

Automatic Headlight System:

Automatic headlight system must be disabled prior to any emissions or fuel economy / range testing. Automatic headlights can be turned off via the infotainment / MMI screen.

Please contact VWGoA Engineering and Environmental Office if you need assistance with disabling the automatic headlights.

Daytime Running Lights (DRL):

Daytime running lights must be disabled prior to fuel economy / range testing. DRLs can be turned off via the infotainment / MMI screen.

Please contact VWGoA Engineering and Environmental Office if you need assistance with disabling the daytime running lights.

SAE Tested Version:

Vehicles in this test group were tested according to SAE J1634 ver. 2017/2021/2025.

Constant Speed used for test: 65mph

CSC Lenth: 179 miles

12.3 e-Motor Details

Model Name	ID. Buzz Pro S Plus
Engine Identification Number	Rear: ECNB
Engine Management System	Vitesco
Nominal Voltage	382V
<u>ECNB (Rear Axle)</u>	
Transmission Arrangement (Parallel / Transaxial / Other)	parallel
Motor Maximum Speed	~11600 rpm
Gearbox Outlet Shaft (gear engaged)	Direct Drive
Direct Current (DC) / Alternating Current (AC) number of phases	Alternating Current (AC) / 3 phases
Maximum Net Torque (at zero speed) acc. to SAEJ2907	560 Nm
Maximum Net Power acc. to SAEJ2907	210 kW @ 3581 - 6500 rpm
Maximum Net Torque acc. to SAEJ2907	560 Nm @ 0 - 3581 rpm
Horsepower acc. to SAEJ2907	282 hp @ 3581 - 6500 rpm
<u>EDDB (Front Axle)</u>	
Transmission Arrangement (Parallel / Transaxial / Other)	coaxial
Motor Maximum Speed	~13500 rpm
Gearbox Outlet Shaft (gear engaged)	Direct Drive
Direct Current (DC) / Alternating Current (AC) number of phases	Alternating Current (AC) / 3 phases
Maximum Net Torque (at zero speed) acc. to SAEJ2907	134 Nm
Maximum Net Power acc. to SAEJ2907	80 kW
Maximum Net Torque acc. to SAEJ2907	134 Nm
Horsepower acc. to SAEJ2907	107 hp
<u>Combined</u>	
Maximum Power (Boost)	The vehicles in this test group does not have a Boost function
Maximum Power	250 kW / 335 HP
Maximum Power (Boost)	The vehicles in this test group does not have a Boost function
Maximum Torque (Boost)	The vehicles in this test group does not have a Boost function
Maximum Torque	560 Nm (rear) / 134 Nm (front)

12.4 Battery details

Battery Manufacturer	CATL
Battery Type	Lithium-ion (NMC)
Number of Battery Cells	208
Cell Design	Prismatic
Number of Battery Modules	13
Battery Cathode	Li-Ni-Co-Mn Lithium Nickel Cobalt Manganese,
Battery Anode	Graphite based
Electrolyte Type	Seperator Electrolyte
Total Weight of Battery System	558 kg
Nominal voltage	382 Volts
Battery Working Voltage	260 – 442 Volts
Total System Energy Capacity (Ah) *	240 Ah
Energy Density (Wh/Kg) *	164.2 Wh/kg
Battery Thermal Management	liquid

(*) Battery capacity and energy density were measured on a single cell basis and this single data was used to estimate the pack level capacity and energy density.

12.5 Charging details

Connecting the charging cable

1. Unlock the vehicle
2. Press gently on the charging socket flap to open it
3. Remove the charging cable from the charging station and fully unwind
4. Insert the charging connector straight into the charging socket and check that it is fully plugged in

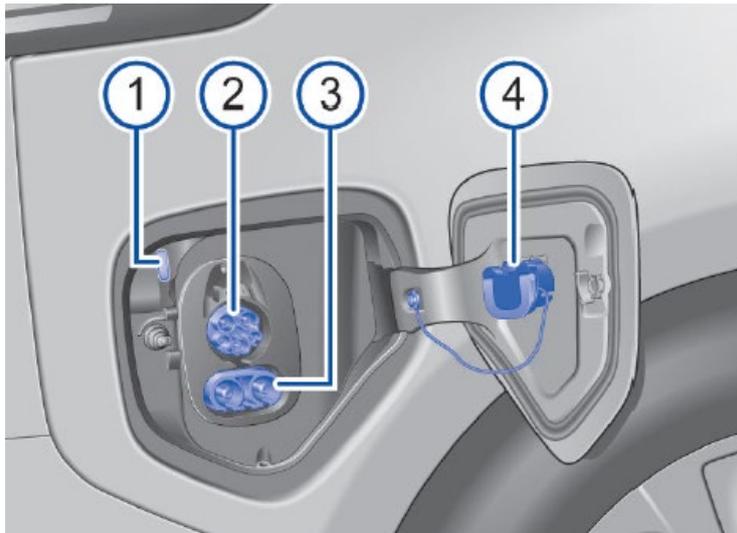
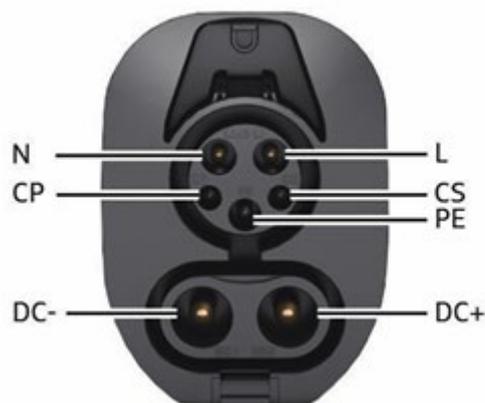


Figure: Behind the rear-right charging socket flap:

1. Charging process indicator
2. Charging socket with AC connection
3. Charging socket with DC connection
4. Protective cap on the support

High-voltage battery charging socket



Starting the charging process

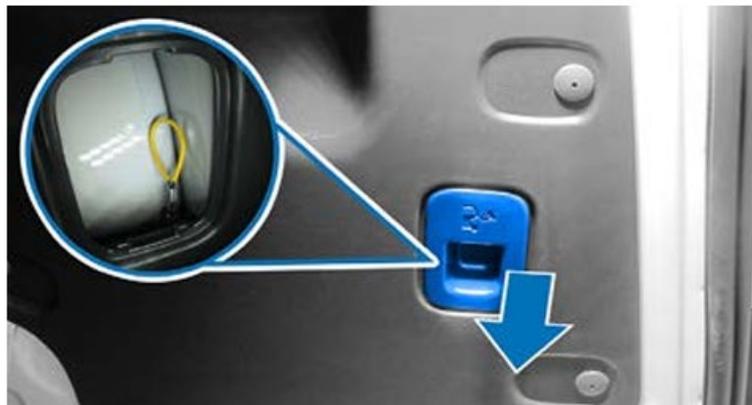
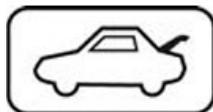
To achieve the desired range with immediate charging, set the maximum battery charge level on the charging information screen.

Charging displays

Light on charging unit	Meaning
White Blinking	Connecting
Green Pulsing	Charging high-voltage battery
Green Pulsating and flashing red	Emergency charging mode active. Reduced charging power, fault detected, e.g. the charging connector is not fully inserted
Green Lit up	Charging process completed
Green Flashing	A time-delayed charging process has been activated and has not yet begun.
Red Lit up	Charging system malfunction or an error has occurred

If the charging connector cannot be removed from the vehicle charging connection, unlock the vehicle via the central locking system. Immediately unplug the charging connector. If this is not successful, manually unlock the charging connector as described in the manual.

The picture below shows the emergency release of the charging connector located in the right luggage compartment trim.



Charging Unit

The 11kW charging unit converts the AC current from the charging connection to DC current. It is located in the rear of the vehicle. The charging unit itself is water-cooled.

Voltage Range AC	180V – 264V
Voltage Range DC	195V – 470V
Max. AC charging power	~ 11 kW
Operating range	-40°C - 65°C
Weight	~ 9.8 kg

Charging times

Charing time for direct current (DC)	With maximum charging output (10% to ≤ 80 %)	26 min
Recharged Energy for direct current (DC)	in 10 min max. DC	30 kWh
Charging time for alternating current (AC)	With 11 kW (0% to ≤ 100 %)	9 h
Recharged Energy for alternate current (AC)	in 1h max. AC	9.6 kWh

13.0 Test Group Projected Sales

Refer to Section 16 of this Test Group Application

13.1 Compliance Plans

Refer to Section 16 of the Common Section

15.3 ORVR Safety Application for Carry-Over ORVR Systems

Not Applicable

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 09/24/2025

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

VGA

Manufacturer Name *

Volkswagen Group of America

Contact Name *

Gregory Allen

Contact Email Address *

Gregory.Allen@vw.com

Contact Phone *

248-754-4209

Calendar Year complete application submitted to EPA *

2025

PLEASE NOTE: These fees apply to complete certification applications received by EPA from January 1, 2025, through December 31, 2025. The applicable fee is determined by the

calendar year in which the complete certification application is received, not the model year.

Engine Family / Evaporative Family / Test Group *

TVGAV00.0V9A

Certificate Request Type (Industry Sector Code)

Certificate Request Type *

- On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (Federal) (A, B, D, J, T, V)
- On-Highway HDE Dyno Cert (Federal) (E, H)
- On-Highway LD ICI, MDPV ICI, HDV ICI (A, B, D, J, T, V)
- On-Highway Motorcycle (C)
- On-Highway HDV Evap (F)
- On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (California-Only) (A, B, D, J, T, V)
- On-Highway HDE Dyno Cert (California-Only) (E, H)
- Nonroad CI (L)
- Nonroad SI (B, S)
- Locomotive (G, K)
- All Nonroad Recreational, excluding Marine engines (X, Y)
- All Marine (Including IMO) (M, N, W)
- Component Certification for Evaporative Emissions (P)

IMO Name (Required for dual US/IMO Marine Only)

ICI VIN Number (Required for ICIs Only)

Do you qualify for a Reduced Fee? *

No

Payment Information

Amount Owed

\$32,939.00

Payment Type *

Offline ACH

Comments

MY2026 Certification fee for TVGAV00.0V9A.
Pay.gov Tracking ID: 27RLLJNF
Agency Tracking ID: 77164642188

EPA Form Number 3520-29

OMB Control No. 2060-0545

Approval expires 7/31/2027

The public reporting and recordkeeping burden for this collection of information is estimated to average 12 minutes per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed forms to this address.

VOLKSWAGEN

GROUP OF AMERICA

Mr. Joshua Kimball
Compliance and Innovative Strategies Division
Office of Mobile Sources
U. S. Environmental Protection Agency
2000 Traverwood Drive
Ann Arbor, MI 48105

Anthony D'Ambrosi Name
Dir. Homologation Title
EEO - Certification Department
(248) 754-4396 Phone
Tony.DAmbrosi@vw.com E-Mail

September 25, 2025 Date

Subject: MY 2026 Volkswagen Group Light Duty Vehicle Initial Application for Emissions
Certification for Test Group TVGAV00.0V9A with Evaporative Family N/A.

Dear Mr. Kimball,

We submit, with this letter, the model year 2026 Part 1 Application for Emissions Certification for the following Test Group:

<u>Test Group</u>	<u>Standards</u>	<u>Sales Area</u>
TVGAV00.0V9A	Tier 3 Bin 0 LEVIII ZEV	Federal California

Copies of the Certification Fee filing form is contained in sections 15 of the included electronic application.

All vehicles within this test group comply with all applicable regulations contained in 40 CFR Part 86, Part 1066 and the compliance statements contained in sections 8 and 14.

This submission constitutes our final application and the request for issuance of a Certificate of Conformity.

If you have any questions with regard to this information, please contact our office in Auburn Hills at (248) 754-4396.

Sincerely,

D'Ambrosi Anthony
VWPKI
5406C07D40F4331C
Digitally signed by D'Ambrosi
Anthony VWPKI
5406C07D40F4331C
Date: 2025.09.28 20:40:17 -04'00'

Anthony D'Ambrosi
Volkswagen Group of America, Inc.
Engineering and Environmental Office

Enclosure(s)

VOLKSWAGEN

GROUP OF AMERICA

Ms. Robin U. Lang, Chief
Emissions Certification and Compliance Division
California Air Resources Board
4001 Iowa Avenue
Riverside, California 92507

Anthony D'Ambrosi Name
Dir, Homologation Title
EEO - Certification Department
(248) 754-4396 Phone
Tony.DAmbrosi@vw.com E-Mail

September 25, 2025 Date

Subject: MY 2026 Volkswagen Group Light Duty Vehicle Initial Application for Emissions
Certification for Test Group TVGAV00.0V9A with Evaporative Family N/A.

Dear Ms. Lang,

We submit, with this letter, the model year 2026 Part 1 Application for Emissions Certification
for the following Test Group:

<u>Test Group</u>	<u>Standards</u>	<u>Sales Area</u>
TVGAV00.0V9A	Tier 3 Bin 0 LEVIII ZEV	Federal California

This submission constitutes our final application and the request for issuance of the
Executive Order.

If you have any questions with regard to this information, please contact our office in
Auburn Hills at (248) 754-4396.

Sincerely,

D'Ambrosi Anthony
VWPKI
5406C07D40F4331C
Digitally signed by D'Ambrosi
Anthony VWPKI
5406C07D40F4331C
Date: 2025.09.28 20:41:10 -04'00'

Tony D'Ambrosi
Volkswagen Group of America, Inc.
Engineering and Environmental Office

Enclosure(s)

California ARB Information

17.1 California Compliance Statements

Production Vehicle same as Test Vehicle Statement

The production vehicles represented by the particular engine families will be in all material respects of the same design as those for which vehicle approval is granted.

Environmental Performance Label Information

VW Group applies new EPA label in lieu of the CA EP label.

California Emissions Warranty Statement

Please refer to California Emissions Warranty booklets located in Section 16 of the Common Section.

Service Information Compliance Statement

In accordance with Title 13 CCR 1969, the Volkswagen Group hereby states compliance with the service information option of (I)(1)(C)

17.2 Fill Pipe Specifications

Not applicable

17.3 Evaporative Emission Deterioration Program

Not applicable

17.4 Assembly line NMOG / NMHC Factor

Not applicable

17.5 Continuity of Emissions

Not applicable

17.6 Applicable Deterioration Factors

Not applicable

17.7 Method of Determining Battery State of Charge

The current battery charge level of the high-voltage battery is shown by the battery-symbol with a percentage value in the digital instrument cluster, and is also available in the charging settings in the infotainment system. The State of Charge is available through the data link connector (DLC).

17.8 Battery Charging Capacity

Please refer to Section 12.4 Battery details

17.9 Recharging Procedures

Please refer to Section 12.5 Charging details

17.10 Climate Control System Description

Please refer to Section 16.7

17.11 Battery Specific Energy data and Calculations (C/3 energy capacity)

Please refer to the separately provided C/3 report.

The specific energy of batteries used to power a ZEV was determined in accordance with the U.S. Advanced Battery Consortium's Electric Vehicle Battery Procedure Manual (January 1996), Procedure No. 2, "Constant Current Discharge Test Series," using the C/3 rate. The weight calculation (section 12.4) reflects a completely functional battery system as defined in the Appendix of the Manual, including pack(s), required support ancillaries (e.g., thermal management), and electronic controller.

17.12 Proper and Safe Operation of the Vehicle

Please refer to Section 16.4

VWGoA has implemented a nationwide recycling program for the transportation and recycling of lithium ion (li-ion) batteries used to power full battery electric vehicles (BEVs) and plug-in hybrid electric vehicles (PHEVs). The program is available to affiliate dealers.

Additionally, as part of the Alternative Fuel Vehicles Safety Training Program, VW Group vehicles have an extensive list of precautionary / safety related measures that can be found at the links below:

Volkswagen:

<https://www.nfpa.org/education-and-research/emergency-response/emergency-response-guides/volkswagen>

Audi:

<https://www.nfpa.org/education-and-research/emergency-response/emergency-response-guides/audi>

17.13 Vehicle and Battery Break-in

Volkswagen Group BEV's are operated either on-track or on a mileage accumulation dynamometer for 2,000 miles using the Standard Road Cycle (SRC).

17.14 Propulsion Related Parts Length and Terms of Warranty

Propulsion-related Parts- and Battery Warranty Statement

CCR 1962.4 (i) (3)

(H) Identification of the length and terms of the propulsion-related parts warranty and battery warranty, pursuant to CCR, title 13, section 1962.8.

Low-Cost Propulsion is covered by 4yr/50k warranty (bumper to bumper). High-Cost Propulsion is covered by 7yr/70k warranty. The parts list will be available with the part 2 final application.

17.15 Battery Label Information

CCR 1962.4 (i) (3)

(G) Sample label pursuant to CCR, title 13, section 1962.6, including label format, size, and location.

This test group is not part of the ZEVIII program related to CCR 1962.4 in MY2026.

For Battery Degradation please refer to Section 16.10

17.16 Data Standardization Requirements / Vehicle Communication Protocol

CCR 1962.4 (i) (3)

(F) Data used by the manufacturer to establish that the battery state of health parameter will correlate to usable battery energy as determined per the 2026 ZEV and PHEV Test Procedures within the required accuracy per CCR, title 13, 1962.5, and include a chart or table identifying the expected degradation in usable battery energy relative to time and mileage over the useful life for vehicles in the test group as defined under subsection (d)(2)

Please refer to Section 16.10

CCR 1962.4 (i) (3)

(G) A copy of instructions provided to vehicle owners on how to access, in vehicle and without the use of tools, the battery state of health parameter, distance traveled since battery state of health last reset, actual rate of charge occurring, and maximum charge rate vehicle can currently accept as required by CCR, title 13, 1962.5.

Please refer to Section 16.11

CCR 1962.4 (i) (3)

(L) An attestation that all vehicles, except as otherwise allowed in CCR, title 13, section 1962.5(g), in the test group covered by the application comply with the requirements of CCR, title 13, section 1962.5, and that the manufacturer will comply with the required deadlines for submission of results and data for production vehicle evaluation testing under CCR, title 13, section 1962.5(e)(5). For vehicles with deficient requirements per CCR, title 13, section 1962.5(g), the manufacturer must include a list of the deficient requirements and any changes in or resolutions of those deficient requirements from the equivalent previous model year test group.

This test group is not part of the Phase-In of CCR 1962.5 in MY2026.

See "VW Group Fleet Compliance Status – ZEVIII - §1962.5 "UDS" Data Standardization"
VW's 2026 MY Certification Preview Meeting with CARB

CCR 1962.4 (i) (3)

(M) Identification of the communication protocol utilized by vehicles in the test group for communication of the required standardized data to an off-board tool, per CCR, title 13, section 1962.5.

This test group is not part of the Phase-In of CCR 1962.5 in MY2026.

See "VW Group Fleet Compliance Status – ZEVIII - §1962.5 "UDS" Data Standardization"
VW's 2026 MY Certification Preview Meeting with CARB

17.17 Data Link Connector & Location

Will be available with Update Application

21.0 Vehicle Emission Control Information Label

VW Volkswagen LOGO VEHICLE EMISSION CONTROL INFORMATION		
Conforms to regulations: 2026 MY BEV		
U.S. EPA: BIN0 LDV	OBD: N/A	Fuel: Electric
California: ZEV PC	OBD: N/A	Fuel: Electric
No adjustments needed		
Group: TVGAV00.0V9A Evap: N/A	DMC	0EH 010 005 AA

21.1 Powertrain Control Module (PCM) Information

Model	Engine Code	Software ID/ Master	Cal ID	CVN	Comments
ID. Buzz 4Motion	ECNB/ ECNB	0EA.906.014.HN 4719	0EA014HN4719FZcS	74541AEE	w/o heatpump / OCDC with 11kW ID.S.5.6
			0EA014HN4719IsCq	652F79E8	with heatpump / OCDC with 11kW ID.S.5.6

21.3 Rear Drive Motor Control Module (DMCM)

Model	Engine Code	Software ID	Master	Comments
ID. Buzz 4Motion	ECNB/ ECNB	0ET.907.121.AE	7300	ID.S.5.6

21.4 Gateway Information / Sensor Actuator Module (SAM)

Model	Engine Code	Software ID	Master	Comments
ID. Buzz 4Motion	ECNB/ ECNB	1EE.937.089.Q	0570	ID.S.5.6

21.5 Battery Energy Control Module (BECM) Information

Model	Engine Code	Software ID	Master	Comments
ID. Buzz 4Motion	ECNB/ ECNB	0Z1.915.184.AL	1142	ID.S.5.6

21.6 HV Battery Charger Information / DC/DC-Converter (OCDC)

Model	Engine Code	Software ID	Master	Comments
ID. Buzz 4Motion	ECNB/ ECNB	1EK.915.692.L	1209	ID.S.5.6

21.7 Brake System Control Module Information

Model	Engine Code	Software ID	Master	Comments
ID. Buzz 4Motion	ECNB/ ECNB	1EA.907.379.BR	0757	ID.S.5.4

21.8 Brake Servo Control Module (Brake Boost) Information

Model	Engine Code	Software ID	Master	Comments
ID. Buzz 4Motion	ECNB/ ECNB	1N3.909.059.AA	0853	SOP SW

21.9 Thermo-Management Control Module (VTCM) Information

Model	Engine Code	Software ID	Master	Comments
ID. Buzz 4Motion	ECNB/ ECNB	1N3.907.007.E	0262	ID.S.5.4

21.10 ICAS 1 – Diagnostic Interface Information

Model	Engine Code	Software ID	Master	Comments
ID. Buzz 4Motion	ECNB/ ECNB	1EE.937.012.K	0711	ID.S.5.6

22. Calibration Information

Not Applicable

23. Vehicle Description

Please refer to Section 12.0 of this Test Group Application

24. Final U.S. Sales

Final Sales will be available with the Final Part 2 Application