

Certification Summary Information Report

Manufacturer	Rivian Automotive LLC	Manufacturer Code	RIV
Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--
Certificate Number	VRIVD00.0VXA-006	CARB Executive Order #	--
Certificate Issue Date	09/17/2026	Certificate Revision Date	--
Certificate Effective Date	09/17/2026	Conditional Certificate	No
CSI Revision #	--	CSI Submission/Revision Date	08/11/2026 11:28:57 PM
Model Year	2027		

Test Group Information

CSI Type	New	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	HDV1
Federal Clean Fuel Vehicle	Yes	Federal Clean Fuel Vehicle Standard	ZEV
Federal Clean Fuel Vehicle ILEV	No	California Partial Zero Emissions Vehicle Indicator	--
Durability Group Name	VRIVR0000VXA	Durability Group Equivalency Factor	1
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	Yes		
Introduction into Commerce Date	09/15/2026	CAP2000 Conditional Certificate?	No
Independent Commercial Importer?	No	Alternative Fuel Converter Certificate?	No
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	VRIVD00.0VXA
Test Group OBD Compliance Level	Full - no deficiencies	Number of Test Group OBD Deficiencies	0
OBD Deficiencies Comments	OBD COMPLIANCE IS NOT APPLICABLE TO ZEV. PARAMETERS ARE PLACEHOLDERS TO ALLOW DATASET SUBMISSION.		
Mfr Test Group Comments	DURABILITY IS NOT APPLICABLE TO ZEV. PARAMETERS ARE PLACEHOLDERS TO ALLOW DATASET SUBMISSION.		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group		VRIVD00.0VXA		Evaporative/Refueling Family		--	
Models Covered by this Certificate							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Rivian Automotive LLC	1 - Rivian	713 - Rivian Commercial Van 700 Large FWD	Federal	2-Wheel Drive, Front	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	511 - Rivian Commercial Van 500 Standard FWD	Federal	2-Wheel Drive, Front	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	703 - EDV 700 Large FWD	Federal	2-Wheel Drive, Front	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	713 - Rivian Commercial Van 700 Large FWD	California + CAA Section 177 states	2-Wheel Drive, Front	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	711 - Rivian Commercial Van 700 Standard FWD	California + CAA Section 177 states	2-Wheel Drive, Front	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	711 - Rivian Commercial Van 700 Standard FWD	Federal	2-Wheel Drive, Front	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	701 - EDV 700 Standard FWD	California + CAA Section 177 states	2-Wheel Drive, Front	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	511 - Rivian Commercial Van 500 Standard FWD	California + CAA Section 177 states	2-Wheel Drive, Front	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	712 - Rivian Commercial Van 700 Large AWD	Federal	All Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	702 - EDV 700 Large AWD	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	712 - Rivian Commercial Van 700 Large AWD	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	501 - EDV 500 Standard FWD	Federal	2-Wheel Drive, Front	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	703 - EDV 700 Large FWD	California + CAA Section 177 states	2-Wheel Drive, Front	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	702 - EDV 700 Large AWD	Federal	All Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	701 - EDV 700 Standard FWD	Federal	2-Wheel Drive, Front	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	501 - EDV 500 Standard FWD	California + CAA Section 177 states	2-Wheel Drive, Front	Automatic	1	No

Certification Summary Information Report

Test Group	VRIVD00.0VXA				Evaporative/Refueling Family				--		
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		--	--	--							

Certification Summary Information Report

Test Group	VRIVD00.0VXA	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 Ferro-Phosphate	Number of Battery Packs	1
Total Voltage of Battery Packs	384	Battery Energy Capacity	353
Battery Specific Energy	134	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	Front Wheels	Driver Controlled Regenerative Braking	Yes
Mfr Regenerative Braking Description	--		
Drive Motor(s)/Generator(s)	2		
Motor/Generator Type 1	AC 3 PHASE PERMANENT MAGNET	Rated Motor/Generator Power	265
Motor/Generator Type 2	AC 3 PHASE PERMANENT MAGNET	Rated Motor/Generator Power	265
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	Usable H2 Fill Capacity (kg)	--
Mfr Hybrid Electric/ Electric Vehicle Comments	--		

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--
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Emission Data Vehicle Information

Vehicle ID / Configuration	177X / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	SRIVD00.0VLE	Original Evaporative/Refueling Family	--
Original Test Vehicle Model Year	2025		

Vehicle Model

Represented Test Vehicle Make	Rivian	Represented Test Vehicle Model	Rivian Commercial Van 500
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Leak Family Details

Leak Family Identifier	--	Leak Family Name	--
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Drive Sources and Fuel System Details

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 -- Initial	0	Odometer Correction Factor	1
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	264X1OG	Rated Horsepower	354
Displacement (liters)	99.999		
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--
Charge Air Cooler Type	--	Drive Mode While Testing	2-Wheel Drive, Front
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	6857	Equivalent Test Weight (pounds)	8000
GVWR (lbs)	9500	N/V Ratio	151
Axle Ratio	9.99		
Transmission Type	Automatic	# of Transmission Gears	1
Transmission Lockup	Yes	Creeper Gear	No

Dynamometer Coefficients:

Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	64.85	0.0987	0.04881	31.25	0.1119	0.04627	25.6

Emission Control Device Comments

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Certification Summary Information Report

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	Axle Ratio is 13.7:1		

Certification Summary Information Report

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--																
Test #	SRIV10088334	Test Procedure	77 - Multi-Cycle Test (MCT)																
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity																
Test Date	08/06/2024	Fuel	N/A																
Fuel Batch ID	--	Fuel Calibration Number	--																
Vehicle Class	N/A	DF Type	EPA Assigned																
Verify Test Lab ID	FEV Michigan																		
E10 Evaporative Test Measurement Method	--																		
Test Start Odometer Reading	3403	Odometer Units	M																
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--																
State of Charge Delta	Yes																		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes																
PHEV/EV Charge Depleting Test Information																			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	104.52																
Charge Depleting Range (Calculated miles)	255.5	Charge Depleting Range (Actual miles)	255.5																
Charge Depleting Range Highway (Calculated miles)	199.6	Derived 5-Cycle Coefficient Model Year	--																
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	255.5																
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--																
Charge Depleting Bag/Phase #1																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.413</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.9</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.3</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.43</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.6792</td></tr><tr><td>Manufacturer Fuel Economy</td><td>36.14</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.413	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.9	Drive Trace Energy Economy Rating	0.3	Drive Trace Inertia Work Ratio Rating	1.43	Integrated DC KW-HRS	2.6792	Manufacturer Fuel Economy	36.14
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Carbon-Related Exhaust Emissions	0																		
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Drive Trace Inertia Work Ratio Rating	1.43																		
Integrated DC KW-HRS	2.6792																		
Manufacturer Fuel Economy	36.14																		
Charge Depleting Bag/Phase #2																			

Charge Depleting Bag/Phase #3

Charge Depleting Bag/Phase #4

Charge Depleting Bag/Phase #5

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.246</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>6.03</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.15</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>7.65</td></tr><tr><td>Integrated DC KW-HRS</td><td>4.5315</td></tr><tr><td>Manufacturer Fuel Economy</td><td>44.22</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.246	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	6.03	Drive Trace Energy Economy Rating	0.15	Drive Trace Inertia Work Ratio Rating	7.65	Integrated DC KW-HRS	4.5315	Manufacturer Fuel Economy	44.22		
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Carbon-Related Exhaust Emissions	0																		
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Drive Trace Inertia Work Ratio Rating	7.65																		
Integrated DC KW-HRS	4.5315																		
Manufacturer Fuel Economy	44.22																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.449</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.44</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.72</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>3.13</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.5866</td></tr><tr><td>Manufacturer Fuel Economy</td><td>34.72</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.449	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.44	Drive Trace Energy Economy Rating	0.72	Drive Trace Inertia Work Ratio Rating	3.13	Integrated DC KW-HRS	2.5866	Manufacturer Fuel Economy	34.72		
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Manufacturer Fuel Economy	34.72																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>6.686</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>99.9</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-2.85</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>26.86</td></tr><tr><td>Integrated DC KW-HRS</td><td>3.9844</td></tr><tr><td>Manufacturer Fuel Economy</td><td>59.59</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	6.686	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	99.9	Drive Trace Energy Economy Rating	-2.85	Drive Trace Inertia Work Ratio Rating	26.86	Integrated DC KW-HRS	3.9844	Manufacturer Fuel Economy	59.59		
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Drive Trace Energy Economy Rating	-2.85																		
Drive Trace Inertia Work Ratio Rating	26.86																		
Integrated DC KW-HRS	3.9844																		
Manufacturer Fuel Economy	59.59																		
Manufacturer Test Comments		Rivian Commercial Van 500 UDDS1: 361.42 Wh/mi, UDDS2: 349.23 Wh/mi, UDDS3: 344.23 Wh/mi, UDDS4: 347.25 Wh/mi. UDDS1 Energy: 2679.22 Wh HWY1: 447.02 Wh/mi, HWY2: 442.25 Wh/mi MCT Energy: 88747.35 Wh																	

Page 10 of 38 CSI Submission/Revision Date: 08/11/2026 11:28:57 PM

Certification Summary Information Report

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	Axle Ratio is 13.7:1		

Certification Summary Information Report

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--																
Test #	SRIV10088335	Test Procedure	77 - Multi-Cycle Test (MCT)																
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity																
Test Date	08/16/2024	Fuel	N/A																
Fuel Batch ID	--	Fuel Calibration Number	--																
Vehicle Class	N/A	DF Type	EPA Assigned																
Verify Test Lab ID	FEV Michigan																		
E10 Evaporative Test Measurement Method	--																		
Test Start Odometer Reading	3794	Odometer Units	M																
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--																
State of Charge Delta	Yes																		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes																
PHEV/EV Charge Depleting Test Information																			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	104.4																
Charge Depleting Range (Calculated miles)	254.2	Charge Depleting Range (Actual miles)	254.2																
Charge Depleting Range Highway (Calculated miles)	201.7	Derived 5-Cycle Coefficient Model Year	--																
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	254.2																
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--																
Charge Depleting Bag/Phase #1																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.428</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.79</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.16</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.76</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.6954</td></tr><tr><td>Manufacturer Fuel Economy</td><td>36.29</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.428	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.79	Drive Trace Energy Economy Rating	0.16	Drive Trace Inertia Work Ratio Rating	1.76	Integrated DC KW-HRS	2.6954	Manufacturer Fuel Economy	36.29
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.428																		
Carbon-Related Exhaust Emissions	0																		
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Integrated DC KW-HRS	2.6954																		
Manufacturer Fuel Economy	36.29																		
Charge Depleting Bag/Phase #2																			

Certification Summary Information Report

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	10.231
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	4.33
		Drive Trace Energy Economy Rating	0
		Drive Trace Inertia Work Ratio Rating	5.51
		Integrated DC KW-HRS	4.4969
		Manufacturer Fuel Economy	43.95
Charge Depleting Bag/Phase #3			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.409
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	0.44
		Drive Trace Energy Economy Rating	-0.36
		Drive Trace Inertia Work Ratio Rating	1.03
		Integrated DC KW-HRS	2.5873
		Manufacturer Fuel Economy	34.92
Charge Depleting Bag/Phase #4			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	107.419
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	12.62
		Drive Trace Energy Economy Rating	-1.78
		Drive Trace Inertia Work Ratio Rating	25.22
		Integrated DC KW-HRS	63.4654
		Manufacturer Fuel Economy	59.08
Charge Depleting Bag/Phase #5			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.463
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	-0.2
		Drive Trace Energy Economy Rating	-0.55
		Drive Trace Inertia Work Ratio Rating	-0.13
		Integrated DC KW-HRS	2.5832
		Manufacturer Fuel Economy	34.61
Charge Depleting Bag/Phase #6			

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Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.268</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.18</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.14</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-1.36</td></tr><tr><td>Integrated DC KW-HRS</td><td>4.4898</td></tr><tr><td>Manufacturer Fuel Economy</td><td>43.73</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.268	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.18	Drive Trace Energy Economy Rating	-0.14	Drive Trace Inertia Work Ratio Rating	-1.36	Integrated DC KW-HRS	4.4898	Manufacturer Fuel Economy	43.73		
Test Result/Emission Name	Unrounded Test Result																		
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Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-1.18																		
Drive Trace Energy Economy Rating	-0.14																		
Drive Trace Inertia Work Ratio Rating	-1.36																		
Integrated DC KW-HRS	4.4898																		
Manufacturer Fuel Economy	43.73																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.475</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.02</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.69</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.16</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.5899</td></tr><tr><td>Manufacturer Fuel Economy</td><td>34.65</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.475	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.02	Drive Trace Energy Economy Rating	-0.69	Drive Trace Inertia Work Ratio Rating	0.16	Integrated DC KW-HRS	2.5899	Manufacturer Fuel Economy	34.65		
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Drive Trace Absolute Speed Change Rating	-0.02																		
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Drive Trace Inertia Work Ratio Rating	0.16																		
Integrated DC KW-HRS	2.5899																		
Manufacturer Fuel Economy	34.65																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>9.009</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>99.9</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.89</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>8.9</td></tr><tr><td>Integrated DC KW-HRS</td><td>5.4991</td></tr><tr><td>Manufacturer Fuel Economy</td><td>61.04</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	9.009	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	99.9	Drive Trace Energy Economy Rating	-1.89	Drive Trace Inertia Work Ratio Rating	8.9	Integrated DC KW-HRS	5.4991	Manufacturer Fuel Economy	61.04		
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Drive Trace Inertia Work Ratio Rating	8.9																		
Integrated DC KW-HRS	5.4991																		
Manufacturer Fuel Economy	61.04																		
Manufacturer Test Comments		EDV 500 UDDS1: 362.87 Wh/mi, UDDS2: 349.20 Wh/mi, UDDS3: 346.12 Wh/mi, UDDS4: 346.47 Wh/mi. UDDS1 Energy: 2695.36 Wh HWY1: 439.54 Wh/mi, HWY2: 437.28 Wh/mi MCT Energy: 88406.95 Wh																	

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--
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Emission Data Vehicle Information

Vehicle ID / Configuration	188X / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	SRIVD00.0VLE	Original Evaporative/Refueling Family	--
Original Test Vehicle Model Year	2025		

Vehicle Model

Represented Test Vehicle Make	Rivian	Represented Test Vehicle Model	EDV 700
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Leak Family Details

Leak Family Identifier	--	Leak Family Name	--
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Drive Sources and Fuel System Details

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 -- Initial	0	Odometer Correction Factor	1
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	264X1OG	Rated Horsepower	354
Displacement (liters)	99.999		
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--
Charge Air Cooler Type	--	Drive Mode While Testing	2-Wheel Drive, Front
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	7295	Equivalent Test Weight (pounds)	8500
GVWR (lbs)	9500	N/V Ratio	151
Axle Ratio	9.99		
Transmission Type	Automatic	# of Transmission Gears	1
Transmission Lockup	Yes	Creeper Gear	No

Dynamometer Coefficients:

Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	65.93	-0.0438	0.05249	30.36	-0.0351	0.04903	26

Emission Control Device Comments

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Page 16 of 38 CSI Submission/Revision Date: 08/11/2026 11:28:57 PM

Certification Summary Information Report

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--
Test #	SRIV10088336	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	08/28/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2865	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	108.7
Charge Depleting Range (Calculated miles)	261.7	Charge Depleting Range (Actual miles)	261.7
Charge Depleting Range Highway (Calculated miles)	201.2	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	261.7
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)		7.479	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-0.21	
Drive Trace Energy Economy Rating		-0.51	
Drive Trace Inertia Work Ratio Rating		-0.24	
Integrated DC KW-HRS		2.721	
Manufacturer Fuel Economy		36.38	
Charge Depleting Bag/Phase #2			

Charge Depleting Bag/Phase #3

Charge Depleting Bag/Phase #4

Charge Depleting Bag/Phase #5

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><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>0.2</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.05</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.34</td></tr><tr><td>Integrated DC KW-HRS</td><td>4.563</td></tr><tr><td>Manufacturer Fuel Economy</td><td>44.46</td></tr></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	0.2	Drive Trace Energy Economy Rating	-0.05	Drive Trace Inertia Work Ratio Rating	0.34	Integrated DC KW-HRS	4.563	Manufacturer Fuel Economy	44.46		
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Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.2																		
Drive Trace Energy Economy Rating	-0.05																		
Drive Trace Inertia Work Ratio Rating	0.34																		
Integrated DC KW-HRS	4.563																		
Manufacturer Fuel Economy	44.46																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.424</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.41</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.62</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.25</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.545</td></tr><tr><td>Manufacturer Fuel Economy</td><td>34.28</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.424	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.41	Drive Trace Energy Economy Rating	0.62	Drive Trace Inertia Work Ratio Rating	0.25	Integrated DC KW-HRS	2.545	Manufacturer Fuel Economy	34.28		
Test Result/Emission Name	Unrounded Test Result																		
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Integrated DC KW-HRS	2.545																		
Manufacturer Fuel Economy	34.28																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.753</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>4.24</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.04</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>8.56</td></tr><tr><td>Integrated DC KW-HRS</td><td>6.846</td></tr><tr><td>Manufacturer Fuel Economy</td><td>63.67</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.753	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	4.24	Drive Trace Energy Economy Rating	-0.04	Drive Trace Inertia Work Ratio Rating	8.56	Integrated DC KW-HRS	6.846	Manufacturer Fuel Economy	63.67		
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Carbon-Related Exhaust Emissions	0																		
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Drive Trace Energy Economy Rating	-0.04																		
Drive Trace Inertia Work Ratio Rating	8.56																		
Integrated DC KW-HRS	6.846																		
Manufacturer Fuel Economy	63.67																		
Manufacturer Test Comments		EDV 700 UDDS1: 363.82 Wh/mi, UDDS2: 344.43 Wh/mi, UDDS3: 340.77 Wh/mi, UDDS4: 342.76 Wh/mi. UDDS1 Energy: 2721.14 Wh HWY1: 448.58 Wh/mi, HWY2: 444.61 Wh/mi MCT Energy: 89836.71 Wh																	

Page 20 of 38 CSI Submission/Revision Date: 08/11/2026 11:28:57 PM

Certification Summary Information Report

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	Axle Ratio is 13.7:1		

Page 22 of 38 CSI Submission/Revision Date: 08/11/2026 11:28:57 PM

Certification Summary Information Report

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	10.263
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	3.65
		Drive Trace Energy Economy Rating	0.37
		Drive Trace Inertia Work Ratio Rating	4.54
		Integrated DC KW-HRS	4.825
		Manufacturer Fuel Economy	47.01
		Watt Hours	4824.76
Charge Depleting Bag/Phase #3			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.47
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	1.17
		Drive Trace Energy Economy Rating	0.84
		Drive Trace Inertia Work Ratio Rating	2.15
		Integrated DC KW-HRS	2.766
		Manufacturer Fuel Economy	37.03
		Watt Hours	2766.21
Charge Depleting Bag/Phase #4			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	154.947
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	35.1
		Drive Trace Energy Economy Rating	0.05
		Drive Trace Inertia Work Ratio Rating	70.38
		Integrated DC KW-HRS	96.281
		Manufacturer Fuel Economy	62.14
Charge Depleting Bag/Phase #5			

Certification Summary Information Report

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--																		
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.46</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.34</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.75</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.27</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.742</td></tr><tr><td>Manufacturer Fuel Economy</td><td>36.76</td></tr><tr><td>Watt Hours</td><td>2742.25</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.46	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.34	Drive Trace Energy Economy Rating	0.75	Drive Trace Inertia Work Ratio Rating	2.27	Integrated DC KW-HRS	2.742	Manufacturer Fuel Economy	36.76	Watt Hours	2742.25		
Test Result/Emission Name	Unrounded Test Result																				
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Integrated DC KW-HRS	2.742																				
Manufacturer Fuel Economy	36.76																				
Watt Hours	2742.25																				
Charge Depleting Bag/Phase #6																					
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.264</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>2.81</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.52</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>3.5</td></tr><tr><td>Integrated DC KW-HRS</td><td>4.809</td></tr><tr><td>Manufacturer Fuel Economy</td><td>46.85</td></tr><tr><td>Watt Hours</td><td>4808.6</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.264	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	2.81	Drive Trace Energy Economy Rating	0.52	Drive Trace Inertia Work Ratio Rating	3.5	Integrated DC KW-HRS	4.809	Manufacturer Fuel Economy	46.85	Watt Hours	4808.6		
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Charge Depleting Bag/Phase #7																					
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.464</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.65</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>1</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.87</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.75</td></tr><tr><td>Manufacturer Fuel Economy</td><td>36.85</td></tr><tr><td>Watt Hours</td><td>2750.12</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.464	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.65	Drive Trace Energy Economy Rating	1	Drive Trace Inertia Work Ratio Rating	2.87	Integrated DC KW-HRS	2.75	Manufacturer Fuel Economy	36.85	Watt Hours	2750.12		
Test Result/Emission Name	Unrounded Test Result																				
Actual Distance Driven (miles)	7.464																				
Carbon-Related Exhaust Emissions	0																				
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Drive Trace Energy Economy Rating	1																				
Drive Trace Inertia Work Ratio Rating	2.87																				
Integrated DC KW-HRS	2.75																				
Manufacturer Fuel Economy	36.85																				
Watt Hours	2750.12																				
Charge Depleting Bag/Phase #8																					

Page 25 of 38 CSI Submission/Revision Date: 08/11/2026 11:28:57 PM

Certification Summary Information Report

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--					
Emission Data Vehicle Information								
Vehicle ID / Configuration	260X / 0	Manufacturer Vehicle Configuration Number	0					
Original Test Group Name	VRIVD00.0VXA	Original Evaporative/Refueling Family	--					
Original Test Vehicle Model Year	2027							
Vehicle Model								
Represented Test Vehicle Make	Rivian	Represented Test Vehicle Model	EDV 700 Large AWD					
Leak Family Details								
Leak Family Identifier	--	Leak Family Name	--					
Drive Sources and Fuel System Details								
	<table border="1"> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> <tr> <td>1</td> <td>Electric Motor</td> <td>Electricity</td> </tr> </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 Storage	--	Multiple Fuel Combustion	--					
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes					
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--					
Off-board charge Capable Indicator	Yes							
Odometer Correction -- Initial	0	Odometer Correction Factor	1					
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor							
Odometer Correction Units	Miles							
Engine Code	2x264X10G	Rated Horsepower	708					
Displacement (liters)	99.999							
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'						
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--					
Charge Air Cooler Type	--	Drive Mode While Testing	All Wheel Drive					
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)					
Curb Weight (lbs)	8677	Equivalent Test Weight (pounds)	9500					
GVWR (lbs)	10000	N/V Ratio	151					
Axle Ratio	9.99							
Transmission Type	Automatic	# of Transmission Gears	1					
Transmission Lockup	Yes	Creep Gear	No					
Dynamometer Coefficients:								
	Target Coefficients		Set Coefficients					
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)					
City/Highway/Evap	69.83	0.0638	0.05911					
			A (lbf)					
			B (lbf/mph)					
			C (lbf/mph**2)					
			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients					
			29.4					
Emission Control Device Comments	--							

Page 27 of 38 CSI Submission/Revision Date: 08/11/2026 11:28:57 PM

Certification Summary Information Report

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--
Test #	VRIV10095258	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	08/04/2026	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	Rivian Torrance		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3239	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	160.89
Charge Depleting Range (Calculated miles)	322.25	Charge Depleting Range (Actual miles)	322.25
Charge Depleting Range Highway (Calculated miles)	252.99	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	322.25
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)		7.414	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		1.12	
Drive Trace Energy Economy Rating		0.54	
Drive Trace Inertia Work Ratio Rating		2.27	
Integrated DC KW-HRS		3.205	
Manufacturer Fuel Economy		43.23	
Watt Hours		3205.31	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--
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Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.219
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	6.38
Drive Trace Energy Economy Rating	0.49
Drive Trace Inertia Work Ratio Rating	7.48
Integrated DC KW-HRS	5.278
Manufacturer Fuel Economy	51.65
Watt Hours	5277.74

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.438
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.87
Drive Trace Energy Economy Rating	0.21
Drive Trace Inertia Work Ratio Rating	1.93
Integrated DC KW-HRS	3.005
Manufacturer Fuel Economy	40.4
Watt Hours	3004.84

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	132.287
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	10.41
Drive Trace Energy Economy Rating	-0.85
Drive Trace Inertia Work Ratio Rating	20.7
Integrated DC KW-HRS	92.072
Manufacturer Fuel Economy	69.6

Charge Depleting Bag/Phase #5

Certification Summary Information Report

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--
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Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.444
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.15
Drive Trace Energy Economy Rating	0.95
Drive Trace Inertia Work Ratio Rating	1.9
Integrated DC KW-HRS	3.01
Manufacturer Fuel Economy	40.43
Watt Hours	3009.9

Charge Depleting Bag/Phase #6

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.231
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	5.67
Drive Trace Energy Economy Rating	0.03
Drive Trace Inertia Work Ratio Rating	7.51
Integrated DC KW-HRS	5.276
Manufacturer Fuel Economy	51.57
Watt Hours	5276.21

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.419
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.22
Drive Trace Energy Economy Rating	0.92
Drive Trace Inertia Work Ratio Rating	2.75
Integrated DC KW-HRS	3.006
Manufacturer Fuel Economy	40.51
Watt Hours	3005.61

Charge Depleting Bag/Phase #8

Certification Summary Information Report

Test Group	VRIVD00.0VXA	Evaporative/Refueling Family	--
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	22.382	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	7.99	
	Drive Trace Energy Economy Rating	-1.63	
	Drive Trace Inertia Work Ratio Rating	15.92	
	Integrated DC KW-HRS	15.714	
	Manufacturer Fuel Economy	70.21	
Manufacturer Test Comments	EDV 700 Large AWD UDDS1: 432.33 Wh/mi, UDDS2: 403.98 Wh/mi, UDDS3: 404.34 Wh/mi, UDDS4: 405.12 Wh/mi. UDDS1 Energy: 3205.31 Wh HWY1: 516.46 Wh/mi, HWY2: 515.71 Wh/mi MCT Energy: 130565.43 Wh		
Fuel Properties			

Certification Summary Information Report

Test Group		VRIVD00.0VXA			Evaporative/Refueling Family			--	
Consolidated List of Standards									
Exhaust Standards									
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		HDV1 (Federal HD chassis Class 2b GVW 8501-10000)			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			CVS 75 and later (w/o 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
150,000 miles	CO2	--	--	--	--	--	--	0	0
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		HDV1 (Federal HD chassis Class 2b GVW 8501-10000)			Standard Level			Federal Tier 3 Bin 0	
Fuel		Electricity			Test Procedure			CVS 75 and later (w/o 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
150,000 miles	CO2	--	--	--	--	--	--	0	0
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		HDV1 (Federal HD chassis Class 2b GVW 8501-10000)			Standard Level			Federal Tier 3 Bin 0	
Fuel		Electricity			Test Procedure			HWFE	
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	CO2	--	--	--	--	--	--	0	0

Certification Summary Information Report

Test Group	VRIVD00.0VXA				Evaporative/Refueling Family				--	
Cert Region	California + CAA Section 177 states				Cert/In-Use Code				Cert	
Vehicle Class	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)				Standard Level				California ZEV	
Fuel	Electricity				Test Procedure				Charge Depleting UDDS	
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	CO2	--	--	--	--	--	--	0	0	

Cert Region	California + CAA Section 177 states				Cert/In-Use Code				Cert	
Vehicle Class	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)				Standard Level				California ZEV	
Fuel	Electricity				Test Procedure				Charge Depleting Highway	
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	CO2	--	--	--	--	--	--	0	0	

Cert Region	Federal				Cert/In-Use Code				Cert	
Vehicle Class	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)				Standard Level				Federal Tier 3 Bin 0	
Fuel	Electricity				Test Procedure				Charge Depleting UDDS	
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	CO2	--	--	--	--	--	--	0	0	

Certification Summary Information Report

Test Group		VRIVD00.0VXA			Evaporative/Refueling Family			--	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		HDV1 (Federal HD chassis Class 2b GVW 8501-10000)			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			HWFE	
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	CO2	--	--	--	--	--	--	0	0
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		HDV1 (Federal HD chassis Class 2b GVW 8501-10000)			Standard Level			Federal Tier 3 Bin 0	
Fuel		Electricity			Test Procedure			Charge Depleting Highway	
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	CO2	--	--	--	--	--	--	0	0

Certification Summary Information Report

Test Group		VRIVD00.0VXA	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		COMB-CREE	Combined Carbon-Related Exhaust Emissions	
CO	Carbon Monoxide		COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions	
CO2	Carbon dioxide		HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only	
CREE	Carbon-Related Exhaust Emissions		METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only	
OPT-CREE	Optional Carbon-Related Exhaust Emissions		N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only	
NOX	Nitrogen Oxide		LEAK-DIA	Effective Leak Diameter (inches)	
PM	Particulate Matter		LEAK-GAS CAP	Gas Cap Leakage (cc/min)	
PM-COMP	SFTP Composite Particulate Matter		CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only	
HC-NM	Non-methane Hydrocarbon		KW-HRS	Integrated DC KW-HRS	
OMHCE	Organic material Hydrocarbon Equivalent		CH4 BAG 1	Bag 1 Methane	
OMNMHCE	Organic material non-methane HC equivalent		CH4 BAG 2	Bag 2 Methane	
NMOG	Non-methane organic gases		CH4 BAG 3	Bag 3 Methane	
HCHO	Formaldehyde		CH4 BAG 4	Bag 4 Methane	
H3C2HO	Acetaldehyde		CO BAG 1	Bag 1 Carbon Monoxide	
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03		CO BAG 2	Bag 2 Carbon Monoxide	
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides		CO BAG 3	Bag 3 Carbon Monoxide	
CO-COMP	SFTP Composite Carbon Monoxide		CO BAG 4	Bag 4 Carbon Monoxide	
ETHANOL	C2H5OH - Ethanol		NMOG BAG 1	Bag 1 Non-methane organic gases	
FE BAG 1	Bag 1 Fuel Economy		NMOG BAG 2	Bag 2 Non-methane organic gases	
FE BAG 2	Bag 2 Fuel Economy		NMOG BAG 3	Bag 3 Non-methane organic gases	
FE BAG 3	Bag 3 Fuel Economy		NMOG BAG 4	Bag 4 Non-methane organic gases	
FE BAG 4	Bag 4 Fuel Economy		ACT-DISTANCE BAG 1	Bag 1 Actual Distance	
MFR FE	Manufacturer Fuel Economy		ACT-DISTANCE BAG 2	Bag 2 Actual Distance	
HC	Hydrocarbon for Running Loss and ORVR		ACT-DISTANCE BAG 3	Bag 3 Actual Distance	
METHANE	CH4 - Methane		ACT-DISTANCE BAG 4	Bag 4 Actual Distance	
METHANOL	CH3OH - Methanol		HC-TOTAL BAG 1	Bag 1 Total Hydrocarbon	
N2O	Nitrous Oxide		HC-TOTAL BAG 2	Bag 2 Total Hydrocarbon	
SPITBACK	Spitback Hydrocarbon in grams		HC-TOTAL BAG 3	Bag 3 Total Hydrocarbon	
AMP-HRS	Integrated Amp-hours		HC-TOTAL BAG 4	Bag 4 Total Hydrocarbon	
START-SOC	System Start State of Charge Watt-hours		WATT-HRS BAG 1	Bag 1 Watt Hours	
END-SOC	System End State of Charge Watt-hours		WATT-HRS BAG 2	Bag 2 Watt Hours	

Certification Summary Information Report

Test Group		VRIVD00.0VXA	Evaporative/Refueling Family		--
ACT-DISTANCE	Actual Distance Driven (miles)		WATT-HRS BAG 3	Bag 3 Watt Hours	
AS-VOLT	Average System Voltage		WATT-HRS BAG 4	Bag 4 Watt Hours	
CO2 BAG 1	Bag 1 Carbon Dioxide		WATT-HRS	Watt Hours	
CO2 BAG 2	Bag 2 Carbon Dioxide		HC-NM BAG 1	Bag 1 Non-methane Hydrocarbon	
CO2 BAG 3	Bag 3 Carbon Dioxide		HC-NM BAG 2	Bag 2 Non-methane Hydrocarbon	
CO2 BAG 4	Bag 4 Carbon Dioxide		HC-NM BAG 3	Bag 3 Non-methane Hydrocarbon	
NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides		HC-NM BAG 4	Bag 4 Non-methane Hydrocarbon	
NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides		N2O BAG 1	Bag 1 Nitrous Oxide	
DT-IWRR	Drive Trace Inertia Work Ratio Rating		N2O BAG 2	Bag 2 Nitrous Oxide	
DT-ASCR	Drive Trace Absolute Speed Change Rating		N2O BAG 3	Bag 3 Nitrous Oxide	
DT-EER	Drive Trace Energy Economy Rating		N2O BAG 4	Bag 4 Nitrous Oxide	
Certification Region					
CA	California + CAA Section 177 states		FA	Federal	
Exhaust Emission Standard Level					
B1	Federal Tier 2 Bin 1		HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340	
B2	Federal Tier 2 Bin 2		HDV2B250	Federal Tier 3 HD Class 2b Bin 250	
B3	Federal Tier 2 Bin 3		HDV2B200	Federal Tier 3 HD Class 2b Bin 200	
B4	Federal Tier 2 Bin 4		HDV2B170	Federal Tier 3 HD Class 2b Bin 170	
B5	Federal Tier 2 Bin 5		HDV2B150	Federal Tier 3 HD Class 2b Bin 150	
B6	Federal Tier 2 Bin 6		HDV2B0	Federal Tier 3 HD Class 2b Bin 0	
B7	Federal Tier 2 Bin 7		HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630	
B8	Federal Tier 2 Bin 8		HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570	
B9	Federal Tier 2 Bin 9		HDV3B400	Federal Tier 3 HD Class 3 Bin 400	
B10	Federal Tier 2 Bin 10		HDV3B270	Federal Tier 3 HD Class 3 Bin 270	
B11	Federal Tier 2 Bin 11		HDV3B230	Federal Tier 3 HD Class 3 Bin 230	
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)		HDV3B200	Federal Tier 3 HD Class 3 Bin 200	
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)		HDV3B0	Federal Tier 3 HD Class 3 Bin 0	
L2	California LEV-II LEV		L4SULEV100	California LEV-IV SULEV100	
L2OP	California LEV-II LEV Optional		L4SULEV125	California LEV-IV SULEV125	
U2	California LEV-II ULEV		L4SULEV15	California LEV-IV SULEV15	
S2	California LEV-II SULEV		L4SULEV150	California LEV-IV SULEV150	
ZEV	California ZEV		L4SULEV170	California LEV-IV SULEV170	
OT	Other		L4SULEV175	California LEV-IV SULEV175	
T1	Federal Tier 1		L4SULEV20	California LEV-IV SULEV20	
PZEV	California PZEV		L4SULEV200	California LEV-IV SULEV200	
L2LEV160	California LEV-II LEV160		L4SULEV230	California LEV-IV SULEV230	
L2ULEV125	California LEV-II ULEV125		L4SULEV25	California LEV-IV SULEV25	
L2SULEV30	California LEV-II SULEV30		L4SULEV30	California LEV-IV SULEV30	
L2LEV395	California LEV-II LEV395		L4SULEV75	California LEV-IV SULEV75	

Certification Summary Information Report

Test Group		VRIVD00.0VXA	Evaporative/Refueling Family		--
L2ULEV340	California LEV-II ULEV340		L4SULEV85	California LEV-IV SULEV85	
L2LEV630	California LEV-II LEV630		L4ULEV125	California LEV-IV ULEV125	
L2ULEV570	California LEV-II ULEV570		L4ULEV200	California LEV-IV ULEV200	
L3LEV160	California LEV-III LEV160		L4ULEV250	California LEV-IV ULEV250	
L3ULEV125	California LEV-III ULEV125		L4ULEV270	California LEV-IV ULEV270	
L3ULEV70	California LEV-III ULEV70		L4ULEV40	California LEV-IV ULEV40	
L3ULEV50	California LEV-III ULEV50		L4ULEV400	California LEV-IV ULEV400	
L3SULEV30	California LEV-III SULEV30		L4ULEV50	California LEV-IV ULEV50	
L3SULEV20	California LEV-III SULEV20		L4ULEV60	California LEV-IV ULEV60	
L3LEV395	California LEV-III LEV395		L4ULEV70	California LEV-IV ULEV70	
L3ULEV340	California LEV-III ULEV340		T4B170	Federal Tier 4 MDV Bin 170	
L3ULEV250	California LEV-III ULEV250		T4B150	Federal Tier 4 MDV Bin 150	
L3ULEV200	California LEV-III ULEV200		T4B125	Federal Tier 4 MDV Bin 125	
L3SULEV170	California LEV-III SULEV170		T4B100	Federal Tier 4 MDV Bin 100	
L3SULEV150	California LEV-III SULEV150		T4B85	Federal Tier 4 MDV Bin 85	
L3LEV630	California LEV-III LEV630		T4B75	Federal Tier 4 MDV Bin 75	
L3ULEV570	California LEV-III ULEV570		T4B70	Federal Tier 4 Bin 70	
L3ULEV400	California LEV-III ULEV400		T4B65	Federal Tier 4 Bin 65	
L3ULEV270	California LEV-III ULEV270		T4B60	Federal Tier 4 Bin 60	
L3SULEV230	California LEV-III SULEV230		T4B55	Federal Tier 4 Bin 55	
L3SULEV200	California LEV-III SULEV200		T4B50	Federal Tier 4 Bin 50	
T3B160	Federal Tier 3 Bin 160		T4B45	Federal Tier 4 Bin 45	
T3B125	Federal Tier 3 Bin 125		T4B40	Federal Tier 4 Bin 40	
T3B110	Federal Tier 3 Transitional Bin 110		T4B35	Federal Tier 4 Bin 35	
T3B85	Federal Tier 3 Transitional Bin 85		T4B30	Federal Tier 4 Bin 30	
T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover		T4B25	Federal Tier 4 Bin 25	
T3B70	Federal Tier 3 Bin 70		T4B20	Federal Tier 4 Bin 20	
T3B50	Federal Tier 3 Bin 50		T4B15	Federal Tier 4 Bin 15	
T3B30	Federal Tier 3 Bin 30		T4B10	Federal Tier 4 Bin 10	
T3B20	Federal Tier 3 Bin 20		T4B5	Federal Tier 4 Bin 5	
T3B0	Federal Tier 3 Bin 0		T4B0	Federal Tier 4 Bin 0	
HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395				
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		

Certification Summary Information Report

Test Group		VRIVD00.0VXA		Evaporative/Refueling Family		--	
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		