RIVIAN AUTOMOTIVE, LLC

Application for Certification - Part 1 (Carryover)

2027 Model Year

EPA Manufacturer Code: RIV
Test Group: VRIVT00.0172

Durability Group: N.A. **Evaporative Family:** N.A.

Test Group Description:	Battery Electric Vehicle
Applicable Standards:	U.S. EPA: Interim Tier 4 Bin 0 MDPV CA: ZEV MDPV
Carlines Covered:	Rivian R1T Premium (22in) Rivian R1S Premium (22in) Rivian R1T Premium (20in) Rivian R1S Premium (20in) Rivian R1T Premium (20in AT) Rivian R1S Premium (20in AT)
Document Date:	07/02/2026

For Questions, Contact:
S. Zaker, SepZaker@rivian.com

14600 Myford Road
Irvine, CA 92606

Ms. Hannah Frame
Compliance and Innovative Strategies Division
Office of Mobile Sources
Environmental Protection Agency
2000 Traverwood, Ann Arbor, MI 48105

Subject: MY 2027 Rivian Medium-Duty Vehicle Initial Application for issuance of Certificate of Conformity for Test Group VRIVT00.0172.

Rivian believes that all vehicles within this test group comply with all applicable regulations within Code of Federal Regulations Title 40 Parts 85, 86, 600, and California Code of Regulations Title 13 Division 3, Chapter 1, article 2, Sections 1963 Advanced Clean Trucks (ACT). This test group's certification pathway is ACT.

Vehicle Category:	Medium Duty Passenger Vehicle (8532 lbs. GVW)
Test Group:	VRIVT00.0172
Evaporative Family:	N/A
Federal Standard:	Interim Tier 4 Bin 0
California Standard:	ZEV

Test Group Description:

1 - Rivian R1
7 - 7 Module Battery
2 - 2 AC Motors

Vehicles Covered by this certificate:

Rivian R1T Premium (22in)
Rivian R1S Premium (22in)
Rivian R1T Premium (20in)
Rivian R1S Premium (20in)
Rivian R1T Premium (20in AT)
Rivian R1S Premium (20in AT)

Your early review and issuance of the certificate will be greatly appreciated. If you have any questions, please email me at sepzaker@rivian.com or my phone number available on CDX.

Sep Zaker
Director, Homologation

07/02/2026

14600 Myford Road
Irvine, CA 92606

Ms. Hannah Frame
Compliance and Innovative Strategies Division
Office of Mobile Sources
Environmental Protection Agency
2000 Traverwood, Ann Arbor, MI 48105

Subject: MY 2027 Rivian Medium-Duty Vehicle OBD letter for issuance of Certificate of Conformity for Test Group VRIVT00.0172.

Rivian is a manufacturer of Battery Electric Vehicle, including R1T and R1S. Battery Electric Vehicles are exempt from OBD II requirements.

Vehicle Category:	Medium Duty Passenger Vehicle (8532 lbs. GVW)
Test Group:	VRIVT00.0172
Evaporative Family:	N/A
Federal Standard:	Interim Tier 4 Bin 0
California Standard:	ZEV MDPV

Test Group Description:

1 - Rivian R1
7 - 7 Module Battery
2 - 2 AC Motors

Vehicles Covered by this certificate:

Rivian R1T Premium (22in)
Rivian R1S Premium (22in)
Rivian R1T Premium (20in)
Rivian R1S Premium (20in)
Rivian R1T Premium (20in AT)
Rivian R1S Premium (20in AT)

Your early review and issuance of the certificate will be greatly appreciated. If you have any questions, please email me at sepzaker@rivian.com or my phone number available on CDX.

Sep Zaker
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07/02/2026

14600 Myford Road
Irvine, CA 92606

Ms. Hannah Frame
Compliance and Innovative Strategies Division
Office of Mobile Sources
Environmental Protection Agency
2000 Traverwood, Ann Arbor, MI 48105

Subject: MY 2027 Rivian Medium-Duty Vehicle Durability letter for issuance of Certificate of Conformity for Test Group VRIVT00.0172.

Rivian is a manufacturer of Battery Electric Vehicle, including R1T and R1S. Battery Electric Vehicles (no tailpipe emissions) are exempt from emissions equipment durability requirements.

Vehicle Category:	Medium Duty Passenger Vehicle (8532 lbs. GVW)
Test Group:	VRIVT00.0172
Evaporative Family:	N/A
Federal Standard:	Interim Tier 4 Bin 0
California Standard:	ZEV MDPV

Test Group Description:

1 - Rivian R1
7 - 7 Module Battery
2 - 2 AC Motors

Vehicles Covered by this certificate:

Rivian R1T Premium (22in)
Rivian R1S Premium (22in)
Rivian R1T Premium (20in)
Rivian R1S Premium (20in)
Rivian R1T Premium (20in AT)
Rivian R1S Premium (20in AT)

Your early review and issuance of the certificate will be greatly appreciated. If you have any questions, please email me at sepzaker@rivian.com or my phone number available on CDX.

Sep Zaker
Director, Homologation

07/02/2026

14600 Myford Road
Irvine, CA 92606

Mr. Richard Uyehara
Emissions Certification and Compliance Division (ECCD)
Air Resources Board Laboratory
4001 Iowa Ave, Riverside, CA 92507

Subject: MY 2027 Rivian Medium-Duty Vehicles Initial Application for issuance of an Executive Order for Test Group VRIVT00.0172.

Rivian believes that all vehicles within this test group comply with all applicable regulations within Code of Federal Regulations Title 40 Parts 85, 86, 600, and California Code of Regulations Title 13 Division 3, Chapter 1, article 2, Sections 1963 Advanced Clean Trucks (ACT). This test group's certification pathway is ACT.

Vehicle Category:	Medium Duty Passenger Vehicle (8532 lbs. GVW)
Test Group:	VRIVT00.0172
Evaporative Family:	N/A
Federal Standard:	Interim Tier 4 Bin 0
California Standard:	ZEV MDPV

Test Group Description:

1 - Rivian R1
7 - 7 Module Battery
2 - 2 AC Motors

Vehicles covered by this certificate

Rivian R1T Premium (22in)
Rivian R1S Premium (22in)
Rivian R1T Premium (20in)
Rivian R1S Premium (20in)
Rivian R1T Premium (20in AT)
Rivian R1S Premium (20in AT)

Your early review and issuance of the revised executive order will be greatly appreciated. If you have any questions, please email me at sepzaker@rivian.com or my phone number available on DMS.

Sep Zaker
Director, Homologation

07/02/2026

Contents

01.00.00 Communications

01.01.00 Mailing Information
Rivian Automotive, LLC
14600 Myford Road
Irvine, CA 92606
Attention: Sepehr Zakeresfahani

01.01.01 Certification Information
Rivian Automotive, LLC
14600 Myford Road
Irvine, CA 92606

01.01.02 Responsible official
Primary Contact:
Sepehr Zakeresfahani
Director, Homologation
sepzaker@rivian.com
14600 Myford Road
Irvine, CA 92606

02.00.00 Confidential Information

02.01.00 Statement of confidentiality

02.02.00 Test vehicle selection

02.03.00 Projected annual model-year sales

03.00.00 Facilities, equipment, and test procedures

03.01.00 (Reserved)

03.02.00 Battery pre-conditioning procedures (if necessary)

03.03.00 Configurations and Sub configurations

Program	A [lbf]	B [lbf/ mph]	C [lbf/ mph^2]	Curb Weight [lbs]	LVW [lbs]	Test Weight [lbs]	GVWR [lbs]	Tire Size
R1S Premium (22in)	43.12	0.2416	0.02096	6,323	6,623	6,500	8,532	275/50R22
R1T Premium (22in)	39.52	0.1356	0.02583	6,314	6,614	6,500	8,532	275/50R22
R1S Premium (20in)	43.12	0.2416	0.02088	6,323	6,623	6,500	8,532	275/60R20
R1T Premium (20in)	47.47	0.2441	0.02343	6,314	6,614	6,500	8,532	275/60R20
R1S Premium (20in AT)	49.42	0.4286	0.02320	6,453	6.753	7,000	8,532	275/65R20
R1T Premium (20in AT)	50.12	0.5117	0.02079	6,464	6,764	7,000	8,532	275/65R20

03.04.00 Test Procedures
03.04.01 Range Test Procedures

03.04.02 Description of Coastdown

03.05.00 Special Test Instructions

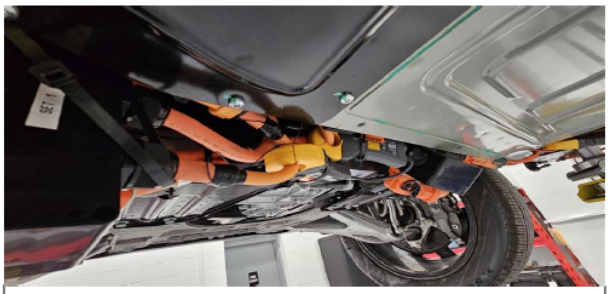
Vehicle Setup:

Bleyer rigid bar fixation system. Front bar fixed to the front tow hook. and rear bar fixed to the tow hitch receiver.

Instrumentation:

Battery voltage and current measurement were taken using a HBM Gen4TB power analyzer and Hioki CT684X-05 current clamps.

- Clamps installed to minimize number of measured current channels.
- Current clamp sizes determined by Largeimum combined circuit current.



Front/Rear Drive Units – 500A

eAC/eCH & OBC/DCDC/DCAC– 200A

Above: Hioki CT684X-05 current clamp and HBM Gen4TB power analyzer

AC Level 2 240 V/ 48 A (11.5 kW) charger was used for charging.

03.05.00 Statement of Compliance
Every vehicle which is covered by this application conforms to US EPA Federal Tier 4 Bin 0 regulations applicable to new Medium-Duty Vehicles and state of California ZEV regulations applicable to new Medium-Duty Vehicles for the 2027 Model Year.

04.00.00 (Reserved)
05.00.00 (Reserved)
06.00.00 Maintenance
06.01.00 Test vehicle scheduled maintenance

06.02.00 Recommended customer maintenance schedule
Maintenance schedule can be found in the Rivian owner's guide. It is available at
https://rivian.com/support/support-documents

06.03.00 Lubricants and heater fuels if any
Transmission Oil:
BOT 350 M3 transmission fluid for dry electric drive units.
Typical Characteristics:

Test	Method	Units	
SAE Grade		-	**75W**
Density @ 15C, Relative	ASTM D1298	g/ml	**0.852**
Appearance Visual		-	**clear**
Viscosity, Kinematic 100°C	ASTM D445	mm²/s	**6.3**
Viscosity, Kinematic 40°C	ASTM D445	mm²/s	**32**
Viscosity Index		-	**154**
Viscosity, Brookfield @ -40°C	ASTM D2983	mPa.s (cP)	**10000**
Pour Point	ASTM D97	°C	**-51**
Flash Point, COC	ASTM D92	°C	**226**

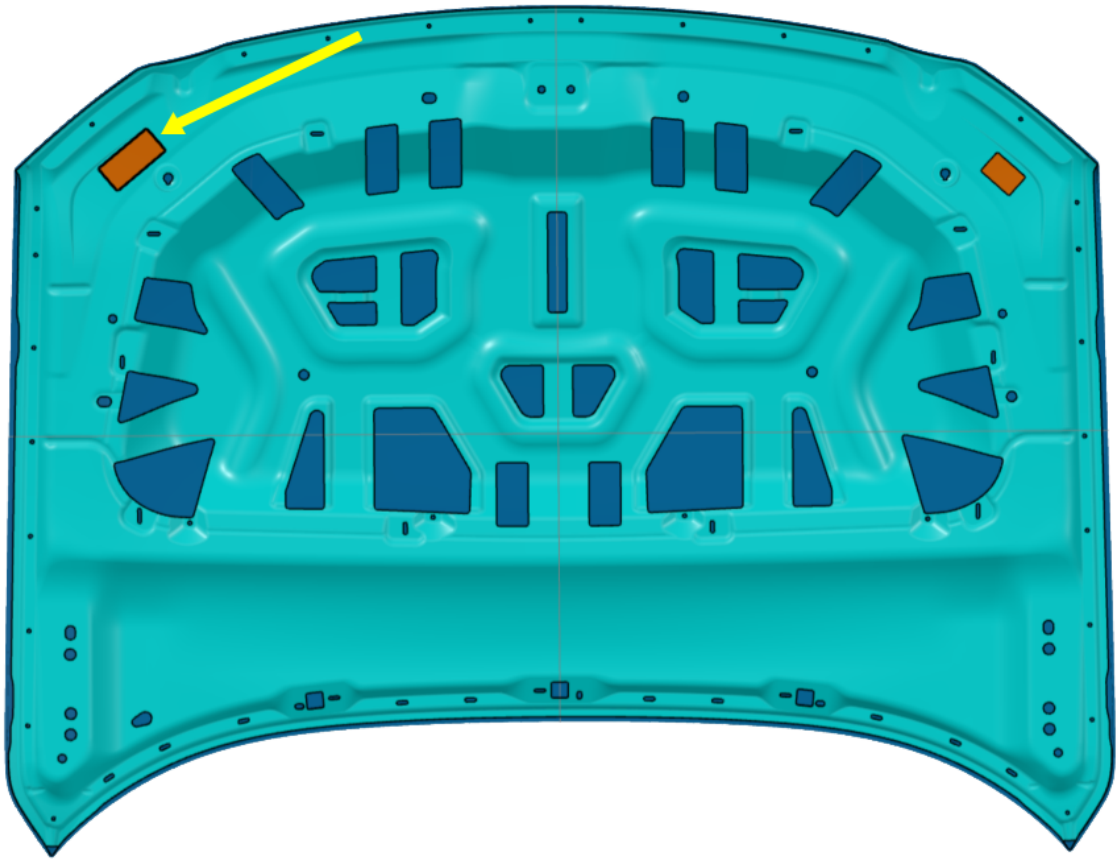
Performance of L288 According to ASTM D3306

Table 1 – ASTM D3306 Results

Item			ASTM D3306 Type I	CCI L288
Color			Distinctive	Yellow
Relative Density 15.5/15.5°C			1.110 ~ 1.145	1.128
Freezing Point °C	50 vol% in DI water		-36.4 max.	-37
Boiling Point °C	50 vol% in DI water		108 min.	109
Ash content mass%			5 max.	1.7
pH	50 vol% in DI water		7.5 ~ 11.0	7.6
Chloride μg/g			25 max.	<25
Water mass%			5 max.	3.8
Reserve Alkalinity mL			Report	8.0
Effect on Automotive Finish			No Effect	Pass
Corrosion in Glassware	Weight Loss[1] mg/Specimen	Copper	10 max.	0.2
		Solder	30 max.	4.3
		Brass	10 max.	1.9
		Steel	10 max.	0.7
		Cast Iron	10 max.	1.4
		Aluminum	30 max.	+0.2
Simulated Service Test	Weight Loss[1] mg/Specimen	Copper	20 max.	0.7
		Solder	60 max.	6.9
		Brass	20 max.	5.9
		Steel	20 max.	0.2
		Cast Iron	20 max.	3.3
		Aluminum	60 max.	0.1
Corrosion of Cast Aluminum Alloys at Heat-Rejecting Surfaces mg/cm^2/week			1.0 max.	0.1
Foaming	Volume mL		150 max.	20
	Break Time s		5 max.	3
Cavitation-Erosion Rating for pitting, cavitation, and erosion of the water pump			8 min.	9

Note (1): A plus sign designates weight gain.

07.00.00 Vehicle Emission Control Information (VECI) and Environmental
07.01.00 VECI Label locations
Under-hood, passenger-side, near front of the vehicle.



07.02.00 Sample VECI labels (MY2027 Sample Label):

RIVIAN

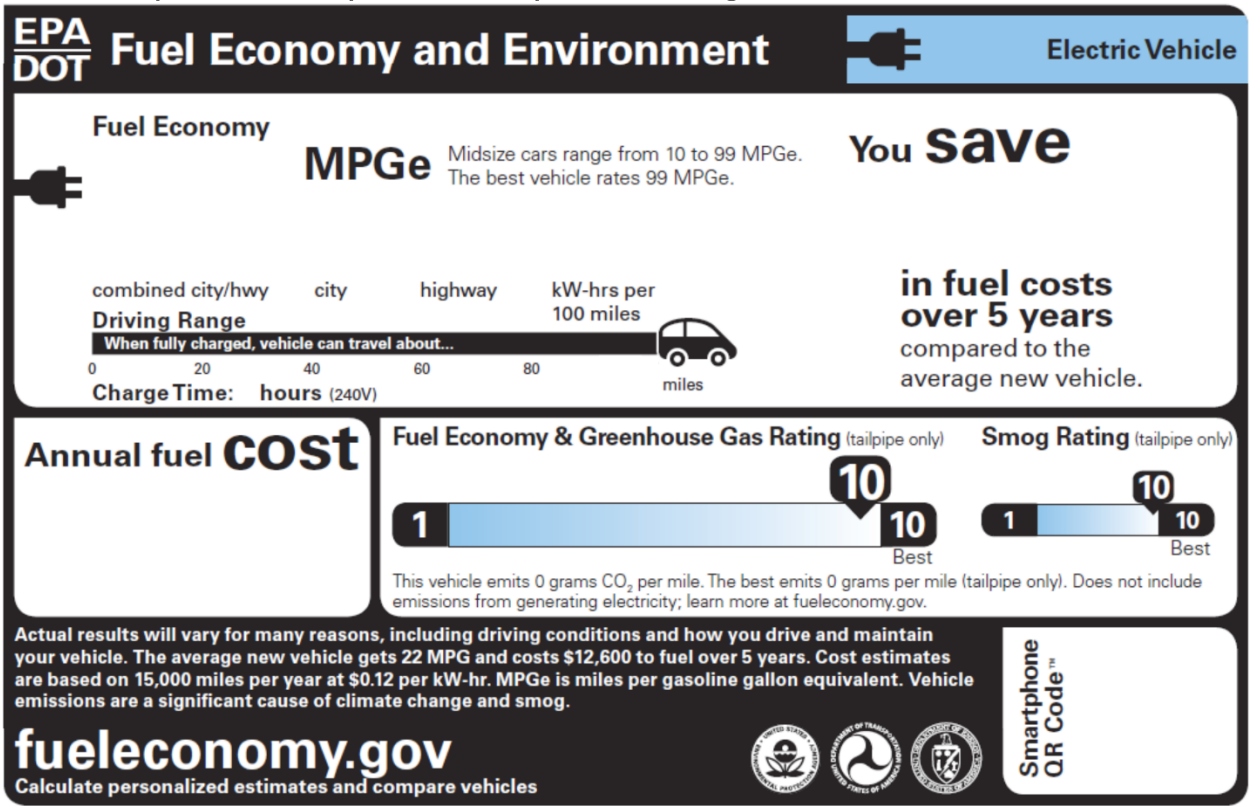
RIVIAN AUTOMOTIVE, LLC
VEHICLE EMISSION CONTROL INFORMATION

CONFORMS TO REGULATIONS: 2027 MY
TEST GROUP: VRIVT00.0172
U.S. EPA: IT4B0 MDPV
CALIFORNIA: ZEV MDPV

MOTOR: ELECTRIC MOTOR
FUEL: ELECTRICITY
EVAP: N/A
OBD: N/A

THIS VEHICLE CONFORMS TO ALL APPLICABLE STANDARDS PRESCRIBED BY THE ON-ROAD VEHICLE AND ENGINE EMISSION REGULATIONS / CE VÉHICULE EST CONFORME À TOUTES LES NORMES QUI LUI SONT APPLICABLES EN VERTU DU RÈGLEMENT SUR LES ÉMISSIONS DES VÉHICULES ROUTIERS ET DE LEURS MOTEURS.

07.03.00 Sample Fuel Economy Label (Formerly called the Smog Index label)



07.04.00 Statement of compliance

Every vehicle which is covered by this application conforms to US EPA Federal Tier 4 Bin 0 regulations applicable to new Medium Duty Passenger Vehicles and state of California ZEV regulations applicable to new Medium-Duty Vehicles for the 2027 Model Year.

07.05.00 Sample Battery Specification Label

08.00.00 General technical description
08.01.00 Description of Propulsion System
See 08.01.01 through 08.01.06

08.01.01 Description of Vehicle Architecture

08.01.02 Description of Drive Unit Architecture

08.01.03 Description of Motor(s)

08.01.04 Description of Gearbox(s)

08.01.05 Description of Inverter(s)

08.01.06 Description of Drivetrain(s)

08.03.00 Description of Batteries

08.03.01 Battery charging capacity

08.03.02 Self-discharge information
Rivian estimates the average self-discharge rate of the battery is less than 4% per month.

08.03.03 Description of thermal management system

08.03.04 Definition of end-of-life
section 08.03.05 for information on reuse strategy.

08.03.05 Description of battery disposal plan

Safe battery removal and discharge by Rivian service is recommended. Rivian service will determine which battery components meet standards for reuse. Rivian prioritizes the remanufacture of battery components into equivalent vehicle parts, then consumption in 2nd life applications. For components which do not meet the necessary standards, Rivian approved partners will transport, break down and recycle all materials used within the battery.

Rivian is pursuing UL 1973 certification of vehicle battery modules to enable their reuse for 2nd life grid storage applications. Rivian also plans to develop a process to evaluate the suitability of modules from field returned packs for reuse for grid storage applications in line with UL 1974 (Standard for Evaluation for Repurposing Batteries).

If a facility other than one approved by Rivian intends to dispose of the HV Battery or components, the vehicle owner and/or facility assume the responsibility to comply with any local or federal standards that may apply. A certificate from the recycler should be obtained as proof the materials were properly and legally disposed of.

08.04.00 Description of Controller/Inverter

See Section 08.01.05

08.05.00 Description of Transmission

See Section 08.01.04

08.06.00 Description of climate control system

- Rivian's climate control is a Dual Zone system with Automatic Temperature control.
- HVAC predominantly includes Defrost mode, Panel mode, and Floor mode (or any combination of these three).
- The vehicle could be remotely conditioned to a comfortable climate setpoint using a Mobile Application.
- The system consists of four electronically controlled face vent to direct airflow around passengers.
- The recirculation door is independently controlled by the passengers.
- Auto humidity control.
- Auto/manual blower fan control.

08.06.01 Electric Heat Pump

08.06.02 (Reserved)

08.06.03 Climate control system logic

HVAC software has multiple modes which can be selected based on user preference:

- In Manual Mode, the user has complete control on blower speed, temperature, and airflow distribution to face or feet. Recirculation of air is also manually controlled by the user.

- In Auto mode, the software provides adequate heating and cooling requests to control the breathing temperature of both driver and passenger to the requested setpoint. In this mode, the airflow distribution and the blower speeds are automatically selected to maintain the desired temperature from the screen. The software estimates the breathing temperature of individual passenger based on airflow through ducts, In-Cabin sensors, external ambient temperature sensors, and solar load sensors. Recirculation of air inside the cabin is automatically selected based on humidity level inside the cabin.
- Additionally, defrost or demist mode is provided to the user for a clear view while driving. During defog mode, the software supplies conditioned air towards the windshield based on the dew point calculation. If the desired mode is Defrost, the heat pump blows hot air towards the windshield to clear frost.

08.06.04 (Reserved)

08.07.00 Description of Regenerative Braking System

08.07.01 Control logic

08.07.02 Percentage of braking performed on road by each axle

08.07.03 Overlap of friction brakes and regenerative braking

08.08.00 Description of charger

AC Adapter Specifications

Specification	Description
Product part number	PT01472026
Product type	J1772 AC Adapter for NACS vehicles
Compatibility	J1772 AC chargers
Rate voltage	250V

Use the J1772 AC adapter with J1772 AC L2 chargers only. Don't attempt to use the adapter with a DC fast charger.

08.08.01 Proper recharging procedures

Detailed instructions can be found in the owner's guide.

08.08.02 Power requirements necessary to recharge vehicle

The Rivian R1T and R1S complies with industry standard NACS for AC Level 1 (120 VAC) and AC Level 2 (240 VAC) charging. Rivian R1T and R1S will be compatible with SAE J1772 using an approved adapter.

See section 08.08.00 for power adapters.

AC Level 1 charging requires a conventional 110-120 Volt AC grounded outlet capable of the rating of the EVSE to be used. A portable EVSE cord set that is capable of AC Level 1 charging is included with the vehicle.

AC Level 2 charging requires a 220-240 Volt AC outlet capable of the rating of the EVSE to be used.

08.09.00 Accessories which draw energy from the batteries

08.10.00 Other unique features (e.g. solar panels)

N/A

08.11.00 Description of warning system(s) for maintenance / malfunction

The Rivian vehicles communicate maintenance and malfunction needs to the driver through easy-to-read and timely notifications. If issues do occur, the notification system uses a combination of telltales, texts, and visuals to explain the situation. Our notifications are simple to understand, communicate when the vehicle needs service, and alerts customer if an issue arises. The customer leaves the experience feeling confident

knowing the system explains the proper actions to take. Any notifications that appear in the driver's instrument cluster retire to the center display so the driver can recall still relevant notifications later.

The Rivian R1S and R1T provide warning tell-tale lights on the driver's display for minor and major defects. A message and audible tone may also be provided for some major defects. Detailed descriptions of the warnings can be found in the owner's guide.

08.11.01 Cut off terminal voltages for prevention of battery damage
Battery management control system is programmed to prevent a state of under-voltage or over-voltage per the voltage limits defined by Rivian. Contactor opens and DTCs are set when voltage of the battery is below 315 V (264.6V if cell temperature is below 5°C) or above 459 V.

09.00.00 (Reserved)
10.00.00 (Reserved)
11.00.00 Starting and shifting schedules

12.00.00 (Reserved)
13.00.00 (Reserved)
14.00.00 (Reserved)
15.00.00 (Reserved)
16.00.00 (Reserved)
17.00.00 California requirements

17.01.00 Statement of compliance
Every vehicle which is covered by this application conforms to US EPA Federal Interim Tier 4 Bin 0 regulations applicable to new Medium Duty Passenger Vehicles and state of California ZEV regulations applicable to new Medium-Duty Vehicles for the 2027 Model Year.

17.01.01 General statement
Rivian confirms that the production vehicles covered by this application will be substantially the same as the vehicles tested for the purposes of this application.

17.01.02 Drivability statement
As of 01/01/2006, This statement is no longer included in the California Exhaust Emission Standards and Test Procedures.

17.02.00 Supplemental Data and Certification Review Sheets
See end of document for ZEV Supplemental Sheets

17.03.00 (Reserved)
17.04.00 Credits

17.04.01 Description of multi-manufacturer arrangements
N/A

17.04.02 Credit calculation

17.05.00 Vehicle Safety

The Rivian architecture comprises a body attached to a skateboard frame structure. The primary structure encompasses engineered crush zones used to, in case of crash, absorb the crash energy. The “safety cage” comprises of body pillars, side impact bars, floor sills and roof rails (working with other structural elements) and with an advanced optimized restraint system to help properly restrain and protect occupants.

17.05.01 All information for safe operation of vehicle

See sections 03.04.00, 03.05.00, and 11.00.00.

17.05.02 Information on safe handling of battery system

17.05.03 Description of emergency procedures

Test Results:

R1T Premium (22in)

EPA EV Multicycle Calculator (SAE J1634 Oct 2012)

Manufacturer:	RIVIAN		
Carline:	R1T		
Model Year	2025	D.Good	March 8, 2016
Vehicle	R1T 386X 22" Range		
Test Number			
Comments:	ALL PURPOSE		
Test Date	9/19/2024		

Cycle	Energy (Wh)	Distance (mi)	ECdc_cyc	Kuwgt	Kwgt	Recharge AC WattHrs
UDDS1	1985.68	7.433	267.14	66.79	4.87	128525.33
UDDS2	1642.90	7.456	220.35	55.09	72.11	
UDDS3	1552.89	7.413	209.48	52.37	68.55	
UDDS4	1565.77	7.438	210.51	52.63	68.89	
HWY1	2756.10	10.264	268.52	134.26		
HWY2	2614.80	10.241	255.33	127.66		
SS1	85522.33	255.211	335.10			
SS2	11248.35	33.228	338.52			
TOTAL	108888.815	338.684				

K-Factors	UDDS1	UDDS2	UDDS3	UDDS4	HWY1	HWY2
Unweighted	0.250	0.250	0.250	0.250	0.500	0.500
Weighted	0.018	0.327	0.327	0.327	NA	NA

Results	Range (mi)	AC Wh/mi	MPGe	kWh/100mi	EPA version kWh/100mi
UDDSu	479.96	267.78			
UDDSw	507.82	253.09	133.1718	25.3094	25.30941
HWY	415.73	309.16	109.0220	30.9158	30.91577

MCT Results	whdc/mi	mi/kwhdc	mi/kwhac
UDDS	214.4255	4.6636	3.9511
HFEDS	261.9236	3.8179	3.2346

R1T Premium (20in)

EPA EV Multicycle Calculator (SAE J1634 Oct 2012)

Manufacturer:	RIVIAN
Carline:	R1T
Model Year	2025
Vehicle	R1T 386X 20" Base
Test Number	
Comments:	ALL PURPOSE
Test Date	9/29/2024

D.Good March 8, 2016

Cycle	Energy (Wh)	Distance (mi)	ECdc_cyc	Kuwgt	Kwgt
UDDS1	1976.73	7.468	264.71	66.18	4.85
UDDS2	1788.01	7.454	239.87	59.97	78.49
UDDS3	1687.45	7.422	227.37	56.84	74.40
UDDS4	1723.13	7.446	231.42	57.86	75.73
HWY1	2895.66	10.284	281.56	140.78	
HWY2	2760.15	10.251	269.25	134.62	
SS1	84887.92	245.096	346.35		
SS2	10167.59	29.443	345.33		
TOTAL	107886.6333	324.864			

Recharge AC WattHrs: 128334.750

K-Factors	UDDS1	UDDS2	UDDS3	UDDS4	HWY1	HWY2
Unweighted	0.250	0.250	0.250	0.250	0.500	0.500
Weighted	0.018	0.327	0.327	0.327	NA	NA

Results	Range (mi)	AC Wh/mi	MPGe	kWh/100mi	EPA version kWh/100mi
UDDSu	447.96	286.49			
UDDSw	462.10	277.72	121.3629	27.7721	27.77209
HWY	391.74	327.60	102.8841	32.7602	32.76017

MCT Results	whdc/mi	mi/kwhdc	mi/kwhac
UDDS	233.4704	4.2832	3.6007
HFEDS	275.4035	3.6310	3.0525

EPA EV Multicycle Calculator (SAE J1634 Oct 2012)

Manufacturer:	RIVIAN		
Carline:	R1S		
Model Year	2025	D.Good	March 8, 2016
Vehicle	R1S 378X 20" All-Terrain		
Test Number			
Comments:	ALL PURPOSE		
Test Date	10/4/2024		

Cycle	Energy (Wh)	Distance (mi)	ECdc_cyc	Kuwgt	Kwgt	Recharge AC WattHrs
UDDS1	2165.91	7.473	289.82	72.46	5.80	127401.57
UDDS2	1907.84	7.456	255.86	63.97	83.58	
UDDS3	1838.59	7.465	246.31	61.58	80.46	
UDDS4	1861.98	7.456	249.71	62.43	81.57	
HWY1	3084.34	10.264	300.51	150.25		
HWY2	2971.57	10.262	289.57	144.79		
SS1	83840.59	227.969	367.77			
SS2	10479.14	27.852	376.25			
TOTAL	108149.955	306.197				

K-Factors	UDDS1	UDDS2	UDDS3	UDDS4	HWY1	HWY2
Unweighted	0.250	0.250	0.250	0.250	0.500	0.500
Weighted	0.020	0.327	0.327	0.327	NA	NA

Results	Range (mi)	AC Wh/mi	MPGe	kWh/100mi	EPA version kWh/100mi
UDDSu	415.278	306.786			
UDDSw	430.166	296.168	113.8036	29.6168	29.61682
HWY	366.561	347.559	96.9765	34.7559	34.75586

MCT Results	whdc/mi	mi/kwhdc	mi/kwhac
UDDS	251.414	3.977	3.376
HFEDS	295.039	3.389	2.877

US EPA Fee Form

Help and EPA Instructions

* Required Field

General Information

Date: 05/13/2026

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

RIV

Manufacturer Name *

Rivian Automotive LLC

Contact Name *

Sep Zaker

Contact Email Address *

sepzaker@rivian.com

Contact Phone *

Calendar Year complete application submitted to EPA *

2026

PLEASE NOTE: These fees apply to complete certification applications received by EPA from January 1, 2026, through December 31, 2026. 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 *

VRIVT00.0172

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

$32,317.00

Payment Type *

Online ACH

Comments

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.

Certification Summary Information Report

Manufacturer	Rivian Automotive LLC	**Manufacturer Code**	RIV
Test Group	VRIVT00.0172	**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**	07/02/2026 01:47:31 PM
Model Year	2027		

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**	MDPV
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	TRIVR0000172	**Durability Group Equivalency Factor**	1
Reduced Fee Test Group	No	**Certification Region Code(s)**	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	06/01/2026	**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**	VRIVT00.0172
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	TEST GROUP COVERS MY27 VEHICLE MODEL NAMES: Rivian R1T Premium (22in), Rivian R1S Premium (22in), Rivian R1T Premium (20in), Rivian R1S Premium (20in), Rivian R1T Premium (20in AT), Rivian R1S Premium (20in AT) DURABILITY IS NOT APPLICABLE TO ZEV. PARAMETERS ARE PLACEHOLDERS TO ALLOW DATASET SUBMISSION.		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VRIVT00.0172	**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	503 - R1S Premium (20in)	Federal	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	705 - R1T Premium (22in)	Federal	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	507 - R1S Premium (20in AT)	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	705 - R1T Premium (22in)	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	703 - R1T Premium (20in)	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	505 - R1S Premium (22in)	Federal	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	503 - R1S Premium (20in)	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	505 - R1S Premium (22in)	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	707 - R1T Premium (20in AT)	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	703 - R1T Premium (20in)	Federal	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	507 - R1S Premium (20in AT)	Federal	4-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	--	--	--	--	--	--	--	--	--	--

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

SFTP LEV-III Official Test Numbers

Test Group Fuel	FTP	US06	SC03
Electricity	--	--	--

Hybrid Electric Vehicle And Fuel Cell Information

Rechargable Energy Storage System	Battery(s)	**Rechargable Energy Storage System, if Other**	--
Battery Type	Lithium Ion	**Number of Battery Packs**	1
Total Voltage of Battery Packs	406	**Battery Energy Capacity**	286
Battery Specific Energy	273	**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	AC Permanent Magnet	**Rated Motor/Generator Power**	264
Motor/Generator Type 2	AC Permanent Magnet	**Rated Motor/Generator Power**	264
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	**Usable H2 Fill Capacity (kg)**	--
Mfr Hybrid Electric/ Electric Vehicle Comments	All-Purpose Drive Mode (DEFAULT)		

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	R1S378XR20AT / 0	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	SRIVT00.0172	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2025		

Vehicle Model

Represented Test Vehicle Make	Rivian	**Represented Test Vehicle Model**	R1S All-Terrain Performance Dual Large (20in)

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

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	1	**Odometer Correction Factor**	1
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	264X2RW	**Rated Horsepower**	665
Displacement (liters)	99.999		
Air Aspiration Method	Naturally Aspirated	**Air Aspiration Method, if 'Other'**	Electric
Number of Air Aspiration Devices	--	**Air Aspiration Device Configuration**	--
Charge Air Cooler Type	--	**Drive Mode While Testing**	4-Wheel Drive
Shift Indicator Light Usage	Not eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	6453	**Equivalent Test Weight (pounds)**	7000
GVWR (lbs)	--	**N/V Ratio**	999
Axle Ratio	9.99		
Transmission Type	Automatic	**# of Transmission Gears**	1
Transmission Lockup	No	**Creeper Gear**	No

Certification Summary Information Report

Test Group	VRIVT00.0172	Evaporative/Refueling Family	--

Dynamometer Coefficients:

Coefficient Category	Target Coefficients A (lbf)	Target Coefficients B (lbf/mph)	Target Coefficients C (lbf/mph**2)	Set Coefficients A (lbf)	Set Coefficients B (lbf/mph)	Set Coefficients C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
City/Highway/Evap	49.42	0.4286	0.0232	-8.95	0.1717	0.0222	17.2
Cold CO	54.36	0.4715	0.02552	9.99	9.9999	0.09999	N/A
US06	49.42	0.4286	0.0232	-8.95	0.1717	0.0222	N/A

Emission Control Device Comments Battery Electric Vehicle

Manufacturer Test Vehicle Comments FDU Axle Ratio: 11.0:1 RDU Axle Ratio: 13.7:1 FDU N/V: 135.0 RDU N/V: 108.4

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test #	**SRIV10088278**	**Test Procedure**	**2 - CVS 75 and later (w/o can. load)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	10/10/2024	**Fuel**	Electricity
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	MDPV	**DF Type**	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3726	**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

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.15	--
DT-EER (Drive Trace Energy Economy Rating)	-0.5	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.04	--
MFR FE (Manufacturer Fuel Economy)	25.97	129.7843666
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Large Battery Pack, and 20" All-Terrain wheels. Cycle 1: 292.97 Wh/mi, Cycle 2: 235.84 Wh/mi, Cycle 3: 280.50 Wh/mi, Cycle 4: 233.14 Wh/mi.

Certification Summary Information Report

Test Group VRIVT00.0172 **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	CO	0.0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0.0	--	--	--	0	--	0	0	Pass

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test #	**SRIV10088279**	**Test Procedure**	**3 - HWFE**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	10/10/2024	**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	3726	**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

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.18	--
DT-EER (Drive Trace Energy Economy Rating)	-0.13	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.25	--
MFR FE (Manufacturer Fuel Economy)	29.35	114.8381601
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Large Battery Pack, and 20" All-Terrain wheels. Cycle 1: 293.49 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test #	**SRIV10088280**	**Test Procedure**	**90 - US06**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	10/09/2024	**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	3710	**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

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.93	--
DT-EER (Drive Trace Energy Economy Rating)	-0.69	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.3	--
MFR FE (Manufacturer Fuel Economy)	39.12	86.1579755
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Large Battery Pack, and 20" All-Terrain wheels. Cycle 1 (City1): 369.49 Wh/mi, Cycle 2 (HWY): 391.60 Wh/mi, Cycle 3 (City2): 442.23 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test #	**SRIV10088281**	**Test Procedure**	**95 - SC03**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	10/12/2024	**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	3751	**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

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.42	--
DT-EER (Drive Trace Energy Economy Rating)	-0.3	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.31	--
MFR FE (Manufacturer Fuel Economy)	37.42	90.0721539
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Large Battery Pack, and 20" All-Terrain wheels. Cycle 1: 374.23 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test #	**SRIV10088040**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	10/04/2024	**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	3358	**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)**	127.4
Charge Depleting Range (Calculated miles)	430.1	**Charge Depleting Range (Actual miles)**	430.1
Charge Depleting Range Highway (Calculated miles)	366.6	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	430.1
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)	7.473
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.33
Drive Trace Energy Economy Rating	-0.73
Drive Trace Inertia Work Ratio Rating	-0.16
Integrated DC KW-HRS	2.166
Manufacturer Fuel Economy	28.98

Charge Depleting Bag/Phase #2

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.264
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.91
Drive Trace Energy Economy Rating	0.16
Drive Trace Inertia Work Ratio Rating	1.22
Integrated DC KW-HRS	3.084
Manufacturer Fuel Economy	30.05

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.456
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.17
Drive Trace Energy Economy Rating	-0.12
Drive Trace Inertia Work Ratio Rating	0.31
Integrated DC KW-HRS	1.908
Manufacturer Fuel Economy	25.59

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	227.969
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	39.98
Drive Trace Energy Economy Rating	-1.36
Drive Trace Inertia Work Ratio Rating	80
Integrated DC KW-HRS	83.841
Manufacturer Fuel Economy	36.78

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.465
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.14
Drive Trace Energy Economy Rating	-0.39
Drive Trace Inertia Work Ratio Rating	-0.01
Integrated DC KW-HRS	1.839
Manufacturer Fuel Economy	24.63

Charge Depleting Bag/Phase #6

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.262
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.24
Drive Trace Energy Economy Rating	-0.06
Drive Trace Inertia Work Ratio Rating	-0.08
Integrated DC KW-HRS	2.972
Manufacturer Fuel Economy	28.96

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.456
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.14
Drive Trace Energy Economy Rating	-0.21
Drive Trace Inertia Work Ratio Rating	0.4
Integrated DC KW-HRS	1.862
Manufacturer Fuel Economy	24.97

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	27.852
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-4.41
Drive Trace Energy Economy Rating	0.5
Drive Trace Inertia Work Ratio Rating	20.03
Integrated DC KW-HRS	10.479
Manufacturer Fuel Economy	37.62

Manufacturer Test Comments R1S - Drive Mode: All-Purpose (Default Mode) Performance Dual Motor, Large Battery Pack, and 20" All-Terrain Tires. UDDS1: 289.82 Wh/mi, UDDS2: 255.86 Wh/mi, UDDS3: 246.31 Wh/mi, UDDS4: 249.71 Wh/mi. UDDS1 Energy: 2165.91 Wh HWY1: 300.51 Wh/mi, HWY2: 289.57 Wh/mi MCT Energy: 108149.96 Wh

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test #	**SRIV10088282**	**Test Procedure**	**86 - Charge Depleting 20 Degree F FTP**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	10/15/2024	**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	3851	**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)**	127.4
Charge Depleting Range (Calculated miles)	14.9	**Charge Depleting Range (Actual miles)**	14.9
Charge Depleting Range Highway (Calculated miles)	--	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	14.9
Number of Charge Depleting Bags/Phases Conducted	4	**Transition Bag/Phase Number**	--

Charge Depleting Bag/Phase #1

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.593
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.2
Drive Trace Energy Economy Rating	0
Drive Trace Inertia Work Ratio Rating	1.65
Integrated DC KW-HRS	1.745
Manufacturer Fuel Economy	48.55

Charge Depleting Bag/Phase #2

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.882
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.62
Drive Trace Energy Economy Rating	0.67
Drive Trace Inertia Work Ratio Rating	1.36
Integrated DC KW-HRS	1.507
Manufacturer Fuel Economy	38.83

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.596
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.02
Drive Trace Energy Economy Rating	1.17
Drive Trace Inertia Work Ratio Rating	0.91
Integrated DC KW-HRS	1.591
Manufacturer Fuel Economy	44.25

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.862
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.22
Drive Trace Energy Economy Rating	-0.3
Drive Trace Inertia Work Ratio Rating	0.31
Integrated DC KW-HRS	1.556
Manufacturer Fuel Economy	40.29

Manufacturer Test Comments R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Large Battery Pack, and 20" All-Terrain wheels. Cycle 1: 485.52 Wh/mi, Cycle 2: 388.27 Wh/mi, Cycle 3: 442.46 Wh/mi, Cycle 4: 402.85 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	R1T386XR20 / 0	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	SRIVT00.0172	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2025		

Vehicle Model

Represented Test Vehicle Make	Rivian	**Represented Test Vehicle Model**	R1T Performance Dual Large (20in)

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

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	1	**Odometer Correction Factor**	1
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	264X2RW	**Rated Horsepower**	665
Displacement (liters)	99.999		
Air Aspiration Method	Naturally Aspirated	**Air Aspiration Method, if 'Other'**	Electric
Number of Air Aspiration Devices	--	**Air Aspiration Device Configuration**	--
Charge Air Cooler Type	--	**Drive Mode While Testing**	4-Wheel Drive
Shift Indicator Light Usage	Not eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	6314	**Equivalent Test Weight (pounds)**	6500
GVWR (lbs)	--	**N/V Ratio**	999
Axle Ratio	9.99		
Transmission Type	Automatic	**# of Transmission Gears**	1
Transmission Lockup	No	**Creeper Gear**	No

Certification Summary Information Report

Test Group	VRIVT00.0172	Evaporative/Refueling Family	--

Dynamometer Coefficients:

Coefficient Category	Target Coefficients A (lbf)	Target Coefficients B (lbf/mph)	Target Coefficients C (lbf/mph**2)	Set Coefficients A (lbf)	Set Coefficients B (lbf/mph)	Set Coefficients C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
City/Highway/Evap	47.47	0.2441	0.02343	-7.05	0.2157	0.02083	15.8
Cold CO	52.22	0.2685	0.02577	99.99	0.0999	0.09999	N/A
US06	47.47	0.2441	0.02343	-7.05	0.2157	0.02083	N/A

Emission Control Device Comments Battery Electric Vehicle

Manufacturer Test Vehicle Comments FDU Axle Ratio: 11.0:1 RDU Axle Ratio: 13.7:1 FDU N/V: 139.5 RDU N/V: 112.0

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test #	**SRIV10088041**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	09/29/2024	**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	4075	**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)**	128.33
Charge Depleting Range (Calculated miles)	462.2	**Charge Depleting Range (Actual miles)**	462.2
Charge Depleting Range Highway (Calculated miles)	391.7	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	462.2
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)	7.468
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.33
Drive Trace Energy Economy Rating	-0.78
Drive Trace Inertia Work Ratio Rating	0.26
Integrated DC KW-HRS	1.977
Manufacturer Fuel Economy	26.47

Charge Depleting Bag/Phase #2

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.284
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.26
Drive Trace Energy Economy Rating	0.08
Drive Trace Inertia Work Ratio Rating	-0.27
Integrated DC KW-HRS	2.896
Manufacturer Fuel Economy	28.16

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.454
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.62
Drive Trace Energy Economy Rating	-0.94
Drive Trace Inertia Work Ratio Rating	-0.67
Integrated DC KW-HRS	1.788
Manufacturer Fuel Economy	23.99

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	245.096
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	35.71
Drive Trace Energy Economy Rating	-1.29
Drive Trace Inertia Work Ratio Rating	71.63
Integrated DC KW-HRS	84.888
Manufacturer Fuel Economy	34.63

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.422
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-2.59
Drive Trace Energy Economy Rating	-1.8
Drive Trace Inertia Work Ratio Rating	-3.88
Integrated DC KW-HRS	1.687
Manufacturer Fuel Economy	22.74

Charge Depleting Bag/Phase #6

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.251
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-2.29
Drive Trace Energy Economy Rating	-0.42
Drive Trace Inertia Work Ratio Rating	-2.97
Integrated DC KW-HRS	2.76
Manufacturer Fuel Economy	26.92

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.446
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.79
Drive Trace Energy Economy Rating	-0.46
Drive Trace Inertia Work Ratio Rating	-1.53
Integrated DC KW-HRS	1.723
Manufacturer Fuel Economy	23.14

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	29.443
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	16.32
Drive Trace Energy Economy Rating	-0.47
Drive Trace Inertia Work Ratio Rating	32.74
Integrated DC KW-HRS	10.168
Manufacturer Fuel Economy	34.53

Manufacturer Test Comments R1T - Drive Mode: All-Purpose (Default Mode) Performance Dual Motor, Large Battery Pack, and 20" All Season Tires. UDDS1: 264.71 Wh/mi, UDDS2: 239.87 Wh/mi, UDDS3: 227.37 Wh/mi, UDDS4: 231.42 Wh/mi. UDDS1 Energy: 1976.73 Wh HWY1: 281.56 Wh/mi, HWY2: 269.25 Wh/mi MCT Energy: 107886.63 Wh

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	R1T386XR22 / 0	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	SRIVT00.0172	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2025		

Vehicle Model

Represented Test Vehicle Make	Rivian	**Represented Test Vehicle Model**	R1T Performance Dual Large (22in)

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

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	1	**Odometer Correction Factor**	1
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	264X2RW	**Rated Horsepower**	533
Displacement (liters)	99.999		
Air Aspiration Method	Naturally Aspirated	**Air Aspiration Method, if 'Other'**	Electric
Number of Air Aspiration Devices	--	**Air Aspiration Device Configuration**	--
Charge Air Cooler Type	--	**Drive Mode While Testing**	4-Wheel Drive
Shift Indicator Light Usage	Not eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	6314	**Equivalent Test Weight (pounds)**	6500
GVWR (lbs)	--	**N/V Ratio**	999
Axle Ratio	9.99		
Transmission Type	Automatic	**# of Transmission Gears**	1
Transmission Lockup	No	**Creeper Gear**	No

Certification Summary Information Report

Test Group	VRIVT00.0172	Evaporative/Refueling Family	--

Dynamometer Coefficients:

Coefficient Category	Target Coefficients A (lbf)	Target Coefficients B (lbf/mph)	Target Coefficients C (lbf/mph**2)	Set Coefficients A (lbf)	Set Coefficients B (lbf/mph)	Set Coefficients C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
City/Highway/Evap	39.52	0.1356	0.02583	-6.94	0.1421	0.02367	14.8
Cold CO	43.47	0.1492	0.02841	-7.85	-0.2801	0.02875	N/A
US06	39.52	0.1356	0.02583	-6.94	0.1421	0.02367	N/A

Emission Control Device Comments Battery Electric Vehicle

Manufacturer Test Vehicle Comments FDU Axle Ratio: 11.0:1 FDU N/V: 140.4

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test #	**SRIV10087918**	**Test Procedure**	**2 - CVS 75 and later (w/o can. load)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	09/21/2024	**Fuel**	Electricity
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	MDPV	**DF Type**	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3838	**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

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.56	--
DT-EER (Drive Trace Energy Economy Rating)	0.73	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.62	--
MFR FE (Manufacturer Fuel Economy)	22.51	149.7334518
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Large Battery Pack, and 22" Tires. Cycle 1: 252.47 Wh/mi, Cycle 2: 202.86 Wh/mi, Cycle 3: 246.30 Wh/mi, Cycle 4: 202.09 Wh/mi.

Certification Summary Information Report

Test Group VRIVT00.0172 **Evaporative/Refueling Family** --

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0.0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0.0	--	--	--	0	--	0	0	Pass

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test #	**SRIV10087919**	**Test Procedure**	**3 - HWFE**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	09/21/2024	**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	3838	**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

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	3.81	--
DT-EER (Drive Trace Energy Economy Rating)	0.44	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	4.95	--
MFR FE (Manufacturer Fuel Economy)	26.14	128.9403213
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Large Battery Pack, and 22" Tires. Cycle 1: 261.40 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test #	**SRIV10087920**	**Test Procedure**	**90 - US06**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	09/21/2024	**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	3864	**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

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.97	--
DT-EER (Drive Trace Energy Economy Rating)	-1.33	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-3.85	--
MFR FE (Manufacturer Fuel Economy)	35.35	95.3465347
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Large Battery Pack, and 22" Tires. Cycle 1 (City1): 325.61 Wh/mi, Cycle 2 (HWY): 356.36 Wh/mi, Cycle 3 (City2): 390.19 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test #	**SRIV10087921**	**Test Procedure**	**95 - SC03**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	09/21/2024	**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	3880	**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

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.36	--
DT-EER (Drive Trace Energy Economy Rating)	1.37	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.4	--
MFR FE (Manufacturer Fuel Economy)	33.36	101.0341727
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Large Battery Pack, and 22" Tires. Cycle 1: 333.62 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test #	**SRIV10087895**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	09/19/2024	**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	3386	**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)**	128.53
Charge Depleting Range (Calculated miles)	507.82	**Charge Depleting Range (Actual miles)**	507.82
Charge Depleting Range Highway (Calculated miles)	415.73	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	507.82
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)	7.433
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.35
Drive Trace Energy Economy Rating	-0.29
Drive Trace Inertia Work Ratio Rating	-0.81
Integrated DC KW-HRS	1.986
Manufacturer Fuel Economy	26.71

Charge Depleting Bag/Phase #2

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.264
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.88
Drive Trace Energy Economy Rating	-0.78
Drive Trace Inertia Work Ratio Rating	-2.18
Integrated DC KW-HRS	2.756
Manufacturer Fuel Economy	26.85

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.456
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.76
Drive Trace Energy Economy Rating	0.03
Drive Trace Inertia Work Ratio Rating	1.54
Integrated DC KW-HRS	1.643
Manufacturer Fuel Economy	22.03

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	255.211
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	33.71
Drive Trace Energy Economy Rating	-1.41
Drive Trace Inertia Work Ratio Rating	67.58
Integrated DC KW-HRS	85.522
Manufacturer Fuel Economy	26.85

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.413
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.31
Drive Trace Energy Economy Rating	0.69
Drive Trace Inertia Work Ratio Rating	0.64
Integrated DC KW-HRS	1.553
Manufacturer Fuel Economy	20.95

Charge Depleting Bag/Phase #6

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.241
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.89
Drive Trace Energy Economy Rating	0.25
Drive Trace Inertia Work Ratio Rating	1.32
Integrated DC KW-HRS	2.615
Manufacturer Fuel Economy	25.53

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.438
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.59
Drive Trace Energy Economy Rating	0.58
Drive Trace Inertia Work Ratio Rating	1.51
Integrated DC KW-HRS	1.566
Manufacturer Fuel Economy	21.05

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	33.228
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	99.9
Drive Trace Energy Economy Rating	-0.34
Drive Trace Inertia Work Ratio Rating	75.74
Integrated DC KW-HRS	11.248
Manufacturer Fuel Economy	33.85

Manufacturer Test Comments R1T - Drive Mode: All-Purpose (Default Mode) Performance Dual Motor, Large Battery Pack, and 22" Tires. UDDS1: 267.15 Wh/mi, UDDS2: 220.33 Wh/mi, UDDS3: 209.48 Wh/mi, UDDS4: 210.50 Wh/mi. UDDS1 Energy: 1985.68 Wh HWY1: 268.53 Wh/mi, HWY2: 255.33 Wh/mi MCT Energy: 108888.81 Wh

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test #	**SRIV10087922**	**Test Procedure**	**86 - Charge Depleting 20 Degree F FTP**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	09/26/2024	**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	4029	**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)**	128.53
Charge Depleting Range (Calculated miles)	14.9	**Charge Depleting Range (Actual miles)**	14.9
Charge Depleting Range Highway (Calculated miles)	--	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	14.9
Number of Charge Depleting Bags/Phases Conducted	4	**Transition Bag/Phase Number**	--

Charge Depleting Bag/Phase #1

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.588
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.89
Drive Trace Energy Economy Rating	-0.73
Drive Trace Inertia Work Ratio Rating	-1.72
Integrated DC KW-HRS	1.519
Manufacturer Fuel Economy	42.35

Charge Depleting Bag/Phase #2

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.865
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.03
Drive Trace Energy Economy Rating	-1.22
Drive Trace Inertia Work Ratio Rating	-0.19
Integrated DC KW-HRS	1.363
Manufacturer Fuel Economy	35.26

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.59
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.41
Drive Trace Energy Economy Rating	-0.26
Drive Trace Inertia Work Ratio Rating	0
Integrated DC KW-HRS	1.293
Manufacturer Fuel Economy	36.03

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.874
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.47
Drive Trace Energy Economy Rating	-0.75
Drive Trace Inertia Work Ratio Rating	0.96
Integrated DC KW-HRS	1.286
Manufacturer Fuel Economy	33.2

Manufacturer Test Comments R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Large Battery Pack, and 22" Tires. Cycle 1: 423.47 Wh/mi, Cycle 2: 352.62 Wh/mi, Cycle 3: 360.28 Wh/mi, Cycle 4: 331.97 Wh/mi,

Fuel Properties

Certification Summary Information Report

Test Group	VRIVT00.0172	**Evaporative/Refueling Family**	--

Consolidated List of Standards

Exhaust Standards

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	MDPV	**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	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	MDPV	**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	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	MDPV	**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

Certification Summary Information Report

Test Group VRIVT00.0172 **Evaporative/Refueling Family** --

Cert Region Federal **Cert/In-Use Code** Cert
Vehicle Class MDPV **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	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0

Cert Region Federal **Cert/In-Use Code** Cert
Vehicle Class MDPV **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	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0

Cert Region Federal **Cert/In-Use Code** Cert
Vehicle Class MDPV **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

Certification Summary Information Report

Test Group	VRIVT00.0172	**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	VRIVT00.0172	**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	VRIVT00.0172	**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	VRIVT00.0172	**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

Suggested ZEV Application Format for Certification

E.O.#. _____ Page 1 of 2

2027 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Rivian Automotive, LLC Test Group: VRIVT00.0172

Vehicle Class(es): PC____, LDT1 (0-3750 lbs. LVW)____, LDT2 (≥ 3,751 lbs. LVW)____,
MDV6 (8,500-10,000 lbs. GVW)__X__, MDV7 (10,001-14,000 lbs. GVW)____

ZEV Type: NEV___, ZEV__X__

Vehicle value: 0.8 (ACT)

Fuel Type: Electro-chemical Battery__X__, Fuel Cell___, Capacitor___, Other (specify)_____

Battery Type(s): Lead Acid____ Nickel Cadmium____ SBLA____ Sodium Sulfur_____
Sodium Nickel Chloride____ Nickel Metal Hydride____ Lithium Metal Disulfide_____
Zinc Air _____ Zinc Bromine _____ Lithium Polymer ___, Lithium Ion __X__,

Other (specify):_____

Total Battery Weight (kg.): 634 Total Battery Volume (liters): 521

No. of batteries or modules per vehicle: 1 Total Battery Voltage: 407

Charger(s): On-board X Off-board X Conductive X Inductive___.

Drive Motors(s): AC Induction____ DC Brush____. DC Brushless_____
Switched Reluctance____ Other (specify): AC Permanent Magnet___.

No. of Drive Motors 2 Rated motor power 264 kW @ 6000 rpm Max rpm: 16000 .

Drive: FWD_____ RWD ___ 4WD-FT 4WD-PT X _

Regenerative Braking: No ____ Yes _X_ FW __ RW____ AW_X_ .

Driver Controlled Regen Braking: Yes _X_ No ____ Coast Regen Braking: Yes _X_ No ___.

Air Conditioning: Yes_X_ No___, Fuel Fired Heater:[1] Yes____ No _X_.

Vehicle Make & Models (If coded, see attachments)	Trans type M5, A4 (If applicable)	GVWR	Curb Weight	ETW or Test Weight	DPA / RLHP or Dyno Coeff. a=, b=, c=
Make: Rivian Model: R1S Premium (20in AT)	Automatic	8532 lbs.	6453 lbs. (R1S)	7000 lbs.	a: 49.42 lbf b: 0.4286 lbf/mph c: 0.02320 lbf/mph^2

Date Issued: 05/22/2026 Revisions:

[1] Fuel fired heaters are not allowed in pure ZEVs for model year 2009 and subsequently.

2027 MODEL-YEAR AIR RESOURCES BOARD CERTIFICATION REVIEW SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Rivian Automotive, LLC Test Group: VRIVT00.0172

Range Test Results

Vehicle ID	Trans	(check one) _____TW __X__ETW	(check one) _____DPA _____RLHP Or dyno coeff.	City Range	System AC (Wh/mi)	System DC (Wh/mi)	Vehicle DC (Wh/mi)
R1S378XR20AT	Auto	7000 lbs.	a: -8.95 lbf b: 0.1717 lbf/mph c: 0.02220 lbf/mph^2	415.278	296.17	251.41	251.41
				Hwy. Range	System AC (Wh/mi)	System DC (Wh/mi)	Vehicle DC (Wh/mi)
				366.561	347.56	295.04	295.04

Battery Test Results: PASS Specific Energy: Wh/kg 167

Remarks: Rated motor power 264 kW @ 6,000 rpm corresponds to Premium w/ 665 Hp

Date Issued: 05/22/2026 Revisions:

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Application:

Processed By:_____ Date:_____ Reviewed by:_____ Date:_____

Suggested ZEV Application Format for Certification

E.O.#. _____ Page 1 of 2

2027 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Rivian Automotive, LLC Test Group: VRIVT00.0172

Vehicle Class(es): PC____, LDT1 (0-3750 lbs. LVW)____, LDT2 (≥ 3,751 lbs. LVW)____,
MDV6 (8,500-10,000 lbs. GVW)__X__, MDV7 (10,001-14,000 lbs. GVW)____

ZEV Type: NEV___, ZEV__X__

Vehicle Value: 0.8 (ACT)

Fuel Type: Electro-chemical Battery__X__, Fuel Cell___, Capacitor___, Other (specify)_____

Battery Type(s): Lead Acid____ Nickel Cadmium____ SBLA____ Sodium Sulfur_____
Sodium Nickel Chloride____ Nickel Metal Hydride____ Lithium Metal Disulfide_____
Zinc Air _____ Zinc Bromine _____ Lithium Polymer ___, Lithium Ion __X__,

Other (specify):_____

Total Battery Weight (kg.): 634 Total Battery Volume (liters): 521

No. of batteries or modules per vehicle: 1 Total Battery Voltage: 407

Charger(s): On-board X Off-board X Conductive X Inductive___.

Drive Motors(s): AC Induction____ DC Brush____. DC Brushless_____
Switched Reluctance____ Other (specify): AC Permanent Magnet___.

No. of Drive Motors 2 Rated motor power 264 kW @ 6000 rpm Max rpm: 16000 .

Drive: FWD_____ RWD ___ 4WD-FT 4WD-PT X _

Regenerative Braking: No ____ Yes _X_ FW __ RW____ AW_X_ .

Driver Controlled Regen Braking: Yes _X_ No ____ Coast Regen Braking: Yes _X_ No ___.

Air Conditioning: Yes_X_ No___, Fuel Fired Heater:[1] Yes____ No _X_.

Vehicle Make & Models (If coded, see attachments)	Trans type M5, A4 (If applicable)	GVWR	Curb Weight	ETW or Test Weight	DPA / RLHP or Dyno Coeff. a=, b=, c=
Make: Rivian Model: R1T Premium (20in)	Automatic	8532 lbs.	6314 lbs. (R1T)	6500 lbs.	a: 47.47 lbf b: 0.2441 lbf/mph c: 0.02343 lbf/mph^2

Date Issued: 05/22/2026 Revisions:

[1] Fuel fired heaters are not allowed in pure ZEVs for model year 2009 and subsequently.

2027 MODEL-YEAR AIR RESOURCES BOARD CERTIFICATION REVIEW SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Rivian Automotive, LLC Test Group: VRIVT00.0172

Range Test Results

Vehicle ID	Trans	(check one) ____TW X ETW	(check one) ____DPA ____RLHP Or dyno coeff.	City Range	System AC (Wh/mi)	System DC (Wh/mi)	Vehicle DC (Wh/mi)
R1T386XR20	Auto	6500 lbs.	a: -7.05 lbf b: 0.2157 lbf/mph c: 0.02083 lbf/mph^2	462.10	277.72	233.47	233.47
				Hwy. Range	System AC (Wh/mi)	System DC (Wh/mi)	Vehicle DC (Wh/mi)
				391.74	327.60	275.40	275.40

Battery Test Results: PASS Specific Energy: Wh/kg 167

Remarks: Rated motor power 264 kW @ 6,000 rpm corresponds to Premium w/ 665 Hp

Date Issued: 05/22/2026 Revisions:

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Application:

Processed By:_____ Date:_____ Reviewed by:_____ Date:_____

Suggested ZEV Application Format for Certification

E.O.#. _____ Page 1 of 2

2027 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Rivian Automotive, LLC Test Group: VRIVT00.0172

Vehicle Class(es): PC____, LDT1 (0-3750 lbs. LVW)____, LDT2 (≥ 3,751 lbs. LVW)____,
MDV6 (8,500-10,000 lbs. GVW)__X__, MDV7 (10,001-14,000 lbs. GVW)____

ZEV Type: NEV___, ZEV__X__

Vehicle value: 0.8 (ACT)

Fuel Type: Electro-chemical Battery__X__, Fuel Cell___, Capacitor___, Other (specify)_____

Battery Type(s): Lead Acid____ Nickel Cadmium____ SBLA____ Sodium Sulfur_____
Sodium Nickel Chloride____ Nickel Metal Hydride____ Lithium Metal Disulfide_____
Zinc Air _____ Zinc Bromine _____ Lithium Polymer ___, Lithium Ion _X__,

Other (specify):_____

Total Battery Weight (kg.): 634 Total Battery Volume (liters): 521

No. of batteries or modules per vehicle: 1 Total Battery Voltage: 407

Charger(s): On-board X Off-board X Conductive X Inductive___.

Drive Motors(s): AC Induction____ DC Brush____. DC Brushless_____
Switched Reluctance____ Other (specify): AC Permanent Magnet___.

No. of Drive Motors 2 Rated motor power 264 kW @ 6000 rpm Max rpm: 16000 .

Drive: FWD_____ RWD ___ 4WD-FT 4WD-PT X _

Regenerative Braking: No ____ Yes _X_ FW __ RW____ AW_X_ .

Driver Controlled Regen Braking: Yes _X_ No ____ Coast Regen Braking: Yes _X_ No ___.

Air Conditioning: Yes_X_ No___, Fuel Fired Heater:[1] Yes____ No _X_.

Vehicle Make & Models (If coded, see attachments)	Trans type M5, A4 (If applicable)	GVWR	Curb Weight	ETW or Test Weight	DPA / RLHP or Dyno Coeff. a=, b=, c=
Make: Rivian Model: R1T Premium (22in)	Automatic	8532 lbs.	6314 lbs. (R1T)	6500 lbs.	a: 39.52 lbf b: 0.1356 lbf/mph c: 0.02583 lbf/mph^2

Date Issued: 05/22/2026 Revisions:

[1] Fuel fired heaters are not allowed in pure ZEVs for model year 2009 and subsequently.

2027 MODEL-YEAR AIR RESOURCES BOARD CERTIFICATION REVIEW SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Rivian Automotive, LLC Test Group: VRIVT00.0172

Range Test Results

Vehicle ID	Trans	(check one) _____TW X ETW	(check one) _____DPA _____RLHP Or dyno coeff.	City Range	System AC (Wh/mi)	System DC (Wh/mi)	Vehicle DC (Wh/mi)
R1T386XR22	Auto	6500 lbs.	a: -6.94 lbf b: -0.1421 lbf/mph c: 0.02367 lbf/mph^2	507.82	253.09	214.43	214.43
				Hwy. Range	System AC (Wh/mi)	System DC (Wh/mi)	Vehicle DC (Wh/mi)
				415.73	309.16	261.92	261.92

Battery Test Results: PASS Specific Energy: Wh/kg 167

Remarks: Rated motor power 264 kW @ 6,000 rpm corresponds to Premium w/ 665 Hp.

Date Issued: 05/22/2026 Revisions:

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Application:

Processed By:_____ Date:_____ Reviewed by:_____ Date:_____