RIVIAN AUTOMOTIVE, LLC

Application for Certification - Part 1

2025 **Model Year**

EPA Manufacturer Code: RIV
Test Group: SRIVT00.0193

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

Test Group Description:	Battery Electric Vehicle
Applicable Standards:	U.S. EPA: Tier 3 Bin 0 MDPV CA: ZEV MDV
Carlines Covered:	Rivian R1T Tri Max (22in) Rivian R1S Tri Max (22in) Rivian R1T All-Terrain Tri Max (20in) Rivian R1S All-Terrain Tri Max (20in)
Document Date:	07/30/2024

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

14600 Myford Road
Irvine, CA 92606

Mr. Tristin Rojeck
Compliance and Innovative Strategies Division
Office of Mobile Sources
Environmental Protection Agency
2000 Traverwood, Ann Arbor, MI 48105

Subject: MY 2025 Rivian Medium-Duty Vehicle Initial Application for issuance of Certificate of Conformity for Test Group SRIVT00.0193.

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.

Vehicle Category:	Medium Duty Passenger Vehicle (8532 lbs. GVW)
Test Group:	SRIVT00.0193
Evaporative Family:	N/A
Federal Standard:	Tier 3 Bin 0
California Standard:	ZEV

Test Group Description:

1 - 1 Battery Pack
9 - 9 Module
3 - Ascent Tri Motor

Vehicles Covered by this certificate:

- Rivian R1T Tri Max (22in)
- Rivian R1S Tri Max (22in)
- Rivian R1T All-Terrain Tri Max (20in)
- Rivian R1S All-Terrain Tri Max (20in)

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.

Sepehr Zakeresfahani
Sr. Manager, Homologation and Certification
(Whole Vehicle)

08/01/2024

14600 Myford Road
Irvine, CA 92606

Mr. Tristin Rojeck
Compliance and Innovative Strategies Division
Office of Mobile Sources
Environmental Protection Agency
2000 Traverwood, Ann Arbor, MI 48105

Subject: MY 2025 Rivian Medium-Duty Vehicle OBD letter for issuance of Certificate of Conformity for Test Group SRIVT00.0193.

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:	SRIVT00.0193
Evaporative Family:	N/A
Federal Standard:	Tier 3 Bin 0
California Standard:	ZEV

Test Group Description:

1 - 1 Battery Pack
9 - 9 Module
3 - Ascent Tri Motor

Vehicles Covered by this certificate:

- Rivian R1T Tri Max (22in)
- Rivian R1S Tri Max (22in)
- Rivian R1T All-Terrain Tri Max (20in)
- Rivian R1S All-Terrain Tri Max (20in)

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.

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14600 Myford Road
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Mr. Tristin Rojeck
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Office of Mobile Sources
Environmental Protection Agency
2000 Traverwood, Ann Arbor, MI 48105

Subject: MY 2025 Rivian Medium-Duty Vehicle Durability letter for issuance of Certificate of Conformity for Test Group SRIVT00.0193.

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:	SRIVT00.0193
Evaporative Family:	N/A
Federal Standard:	Tier 3 Bin 0
California Standard:	ZEV

Test Group Description:

1 - Battery Pack
9 - 9 Module
3 - Ascent Tri Motor

Vehicles Covered by this certificate:

- Rivian R1T Tri Max (22in)
- Rivian R1S Tri Max (22in)
- Rivian R1T All-Terrain Tri Max (20in)
- Rivian R1S All-Terrain Tri Max (20in)

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Sepehr Zakeresfahani
Sr. Manager, Homologation and Certification
(Whole Vehicle)

08/01/2024

14600 Myford Road
Irvine, CA 92606

Mr. Steven Hada
Emissions Certification and Compliance Division (ECCD)
Air Resources Board Laboratory
9528 Telstar Avenue, El Monte, CA 91731

Subject: MY 2025 Rivian Medium-Duty Vehicles Initial Application for issuance of an Executive Order for Test Group SRIVT00.0193.

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.

Vehicle Category:	Medium Duty Passenger Vehicle (8532 lbs. GVW)
Test Group:	SRIVT00.0193
Evaporative Family:	N/A
Federal Standard:	Tier 3 Bin 0
California Standard:	ZEV

Test Group Description:

1 - 1 Battery Pack
9 - 9 Module
3 - Ascent Tri Motor

Vehicles Covered by this certificate:

- Rivian R1T Tri Max (22in)
- Rivian R1S Tri Max (22in)
- Rivian R1T All-Terrain Tri Max (20in)
- Rivian R1S All-Terrain Tri Max (20in)

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 DMS.

Sepehr Zakeresfahani
Sr. Manager, Homologation and Certification
(Whole Vehicle)

08/01/2024

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, Sr. Manager, Homologation and Certification (Whole Vehicle)
sepzaker@rivian.com

02.00.00 Confidential Information

02.01.00 Statement of confidentiality

02.02.00 Test vehicle selection

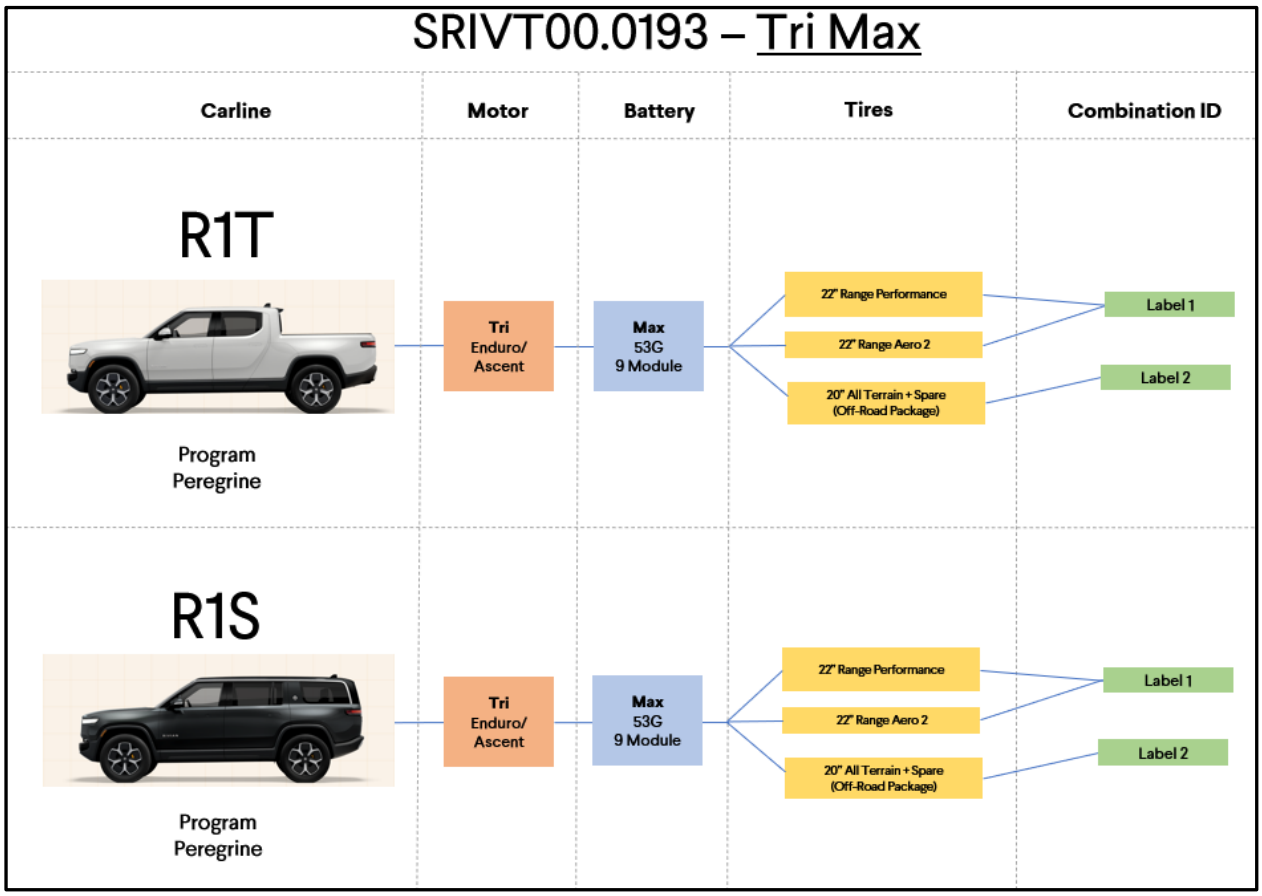
02.03.00 Projected annual model-year sales

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	Ride Height	Drive Mode	A [lbf]	B [lbf/mph]	C [lbf/mph^2]	Test Weight [lbs]	Tire Size
R1S Tri Max (22in)	Auto RH	Conserve	45.62	0.2727	0.02222	7,000	275/50R22
	Standard RH	All-Purpose	46.02	0.1417	0.02689		
R1S All-Terrain Tri Max (20in)	Auto RH	Conserve	53.38	0.4042	0.02364	7,500	275/65R20
	Standard RH	All-Purpose	53.23	0.4740	0.02089		
R1T Tri Max (22in)	Auto RH	Conserve	50.73	-0.01494	0.02473	7,000	275/50R22
	Standard RH	All-Purpose	50.99	-0.03820	0.02484		
R1T All-Terrain Tri Max (20in)	Auto RH	Conserve	57.27	0.5062	0.02077	7,500	275/65R20
	Standard RH	All-Purpose	57.34	0.4310	0.02406		

03.04.00 Test Procedures
03.04.01 Range Test Procedures

03.04.02 Description of Coastdown

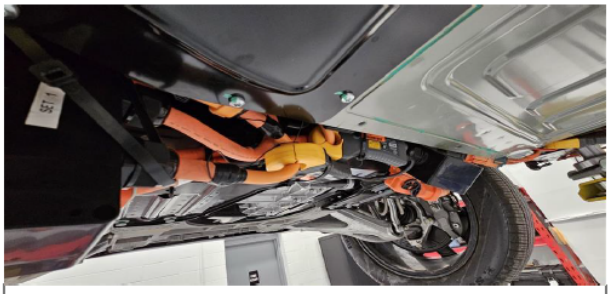
03.05.00 Special Test Instructions
Vehicle Setup:

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 maximum 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 3 Bin 0 regulations applicable to new Medium-Duty Vehicles and state of California ZEV regulations applicable to new Medium-Duty Vehicles for the 2025 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
Rivian Service is our proactive and flexible approach to vehicle care, centered around uptime for our fleet operators. Through remote diagnostics, a large fleet of mobile service vans staffed with Rivian Technicians and a network of service centers deliver rapid care with minimal inconvenience to the fleet operator. Rivian maintenance intervals are determined by onboard prognostics. Vehicle and environment sensors measure or model the remaining life of maintenance items. Operators are informed when maintenance is approaching or due, scheduling necessary maintenance items only. Our fleet of mobile service vans can perform most vehicle care needs at the operator facilities or wherever the vehicle might be. In many instances, the fleet operator won't even have to be present, so can carry on with their day. Mobile service is available anywhere in the US and Canada. As we expand into other markets, our suite of Rivian vehicle care capabilities, including mobile service, will continue to be a key component of our strategy.

Time till repair (year)	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Miles to repair equivalent	12.5K	25K	37.5K	50K	62.5K	75K	87.5K	90K	102.5K	115K
R1T Maintenance Schedule										
Multi-point inspection	X	X	X	X	X	X	X	X	X	X
Drive unit & gearbox fluid lubricant									X	

This table is an example and may not represent the final customer experience.

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**

Coolant: L228

Performance of L288 According to ASTM D3306

Table 1 – ASTM D3306 Results

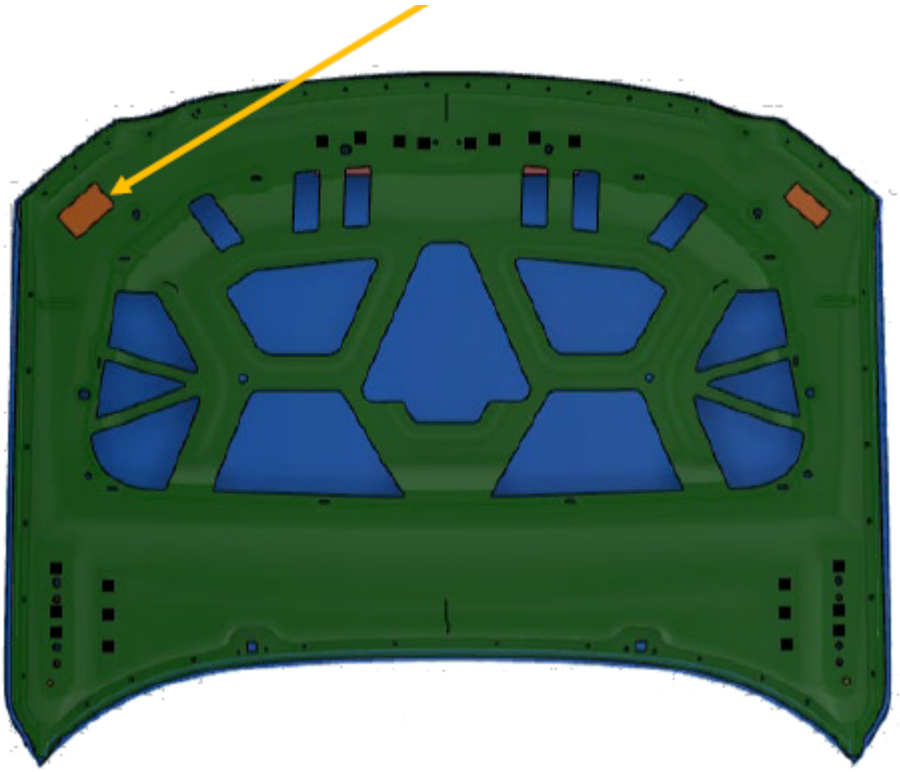
Item			ASTM D3306 Type I	CCI L288
Color			Distinctive	Yellow
Relative Density 15.5/15.5°C			1.110 ~ 1.145	1.128
Freezing Point °C	50 vol% in DI water		-36.4 max.	-37
Boiling Point °C	50 vol% in DI water		108 min.	109
Ash content mass%			5 max.	1.7
pH	50 vol% in DI water		7.5 ~ 11.0	7.6
Chloride μg/g			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/cm²/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 (MY2025 Sample Label):

RIVIAN

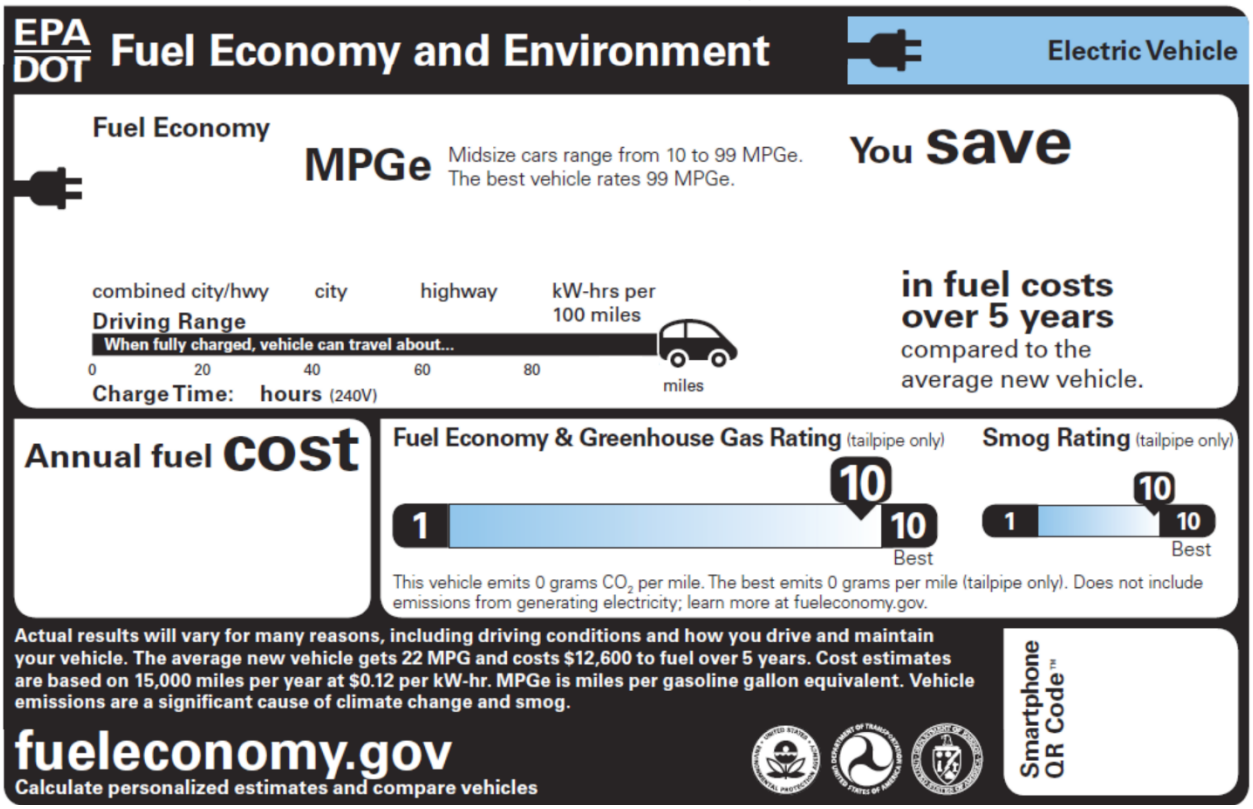
RIVIAN AUTOMOTIVE, LLC
VEHICLE EMISSION CONTROL INFORMATION

CONFORMS TO REGULATIONS: 2025 MY
TEST GROUP: SRIVT00.0193
U.S. EPA: T3B0 MDPV
CALIFORNIA: ZEV MDV

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 3 Bin 0 regulations applicable to new Medium Duty Passenger Vehicles and state of California ZEV regulations applicable to new Medium-Duty Vehicles for the 2025 Model Year.

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
Battery pack nominal capacity for Max Pack is 381.6 Ah based on a constant current C/5 discharge rate. Max: 140.0 kWh.

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
The thermal management system for the high voltage battery is a liquid coolant system. A pump circulates coolant through the battery and a refrigerant-cooled chiller to extract heat and lower the temperature of the battery. In cold weather, an in-line heating element is used to heat the coolant to raise the temperature of the battery.

08.03.04 Definition of end-of-life
The battery warranty for in vehicle use is 8 years or 150k miles, whichever occurs first. See 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
Rivian has adopted a proprietary heat pump design to enhance the user experience and improve thermal efficiency.

- A number of components, including valves, sensors, heat exchangers, and refrigerant bottle, are integrated into a single bundle for cost, mass, packaging, and assembly benefits.
- Real world range is expected to improve over R1 Launch vehicles (which is equipped with conventional AC system) when cabin reheat or heating is required (roughly below 20°C).
- Further range increase is possible via waste heat recovery from the ESS and powertrain when available.

In addition, R1 heat pump has several other upgrades, including:

- Improved cabin cooling during hot ambient.
- Improved NVH due to relocated compressor.
- Improved cold ambient performance with a HV coolant heater.

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
The regenerative braking system can use electric propulsion motor to convert the vehicles kinetic energy to electrical energy which is stored in the vehicles high voltage battery.
08.07.01 Control logic
The regenerative control logic uses two main inputs, acceleration pedal position and vehicle speed to determine a desired regenerative braking torque. Regenerative torque is limited when the vehicle experiences low wheel traction events e.g. ice or snow.

08.07.02 Percentage of braking performed on road by each axle
The percentage of braking performed on road by each axle is constantly changing and redistributing. It is based on the driver demanded torque and has been optimized for vehicle dynamics and range attributes.

08.07.03 Overlap of friction brakes and regenerative braking
One pedal driving by default, and in this mode, fully releasing the pedal yields the maximum regen allowable in the level selected. As the driver manually increases primary service brake pressure and friction braking torque, the vehicle regen level will proportionally ramp down to 0 Nm. The ramp profile is affected by many factors, such as those described in 08.07.01. When auto hold is active and the vehicle approaches standstill, the braking torque will blend from motors to friction brakes.

08.08.00 Description of charger
The Rivian R1T and R1S are capable of conductive charging using Electric Vehicle Supply Equipment (EVSE) off-board chargers for the following charge methods:

- AC Level 1 Charging at 120 V / 12 A
- AC Level 2 Charging at 240 V / 48 A
- DC Fast Charging at up to 210 kW

For Level 1 and Level 2 charging, the vehicle is equipped with an On-Board Charger that will convert the single-phase alternating current from the EVSE into DC current.

The vehicle is equipped with a SAE J1772 Combo CCS inlet, located at the front left corner of the vehicle, and covered by a charge port door.

08.08.01 Proper recharging procedures
Detailed instructions can be found in the owner's guide.

1. Put the vehicle in park (P) or unlock the vehicle.
2. Open the charge port door, located at the front left corner of the vehicle.
3. Plug the charger connector from the Electric Vehicle Supply Equipment (EVSE) into the vehicle's charge inlet so that the connector is fully seated and latched.
4. Follow any instructions provided by the EVSE to begin the charging session.
5. When the charging session is complete, It is indicated by the vehicle's center touchscreen and by an indicator light at the vehicle's charge inlet.
6. Stop the charge via the vehicle touchscreen or button at the charge port, or follow any instructions provided by the EVSE to end the charging station.
7. Remove the charger connector and close the charge port door.

Charging starts automatically. There may be a short delay if the battery requires heating or cooling.

NOTE: When the vehicle is plugged in but not actively charging, it draws energy from the charger instead of using the battery.

The charge port light color indicates the charging status:

White (solid), Ready.
White (pulsing), Starting to charge.
Green (pulsing), Charging.
Green (solid), Charge Complete.
Blue (solid), Charge Scheduled.
Red (solid), Error.
Red (pulsing), Error.

To stop the charging session:
- Select Stop Charge from Energy menu.
- Unplug the charge cable and return the plug to the charger.

Signs of discharged 12-volt batteries include the following:
- Doors and storage areas will not unlock.
- Vehicle does not respond to key fob.
- Lighting will not illuminate.
- Displays will not power up.

To jump start the 12-volt batteries:
- Remove the trailer hitch cover to access the jump start wire harness at the rear of the vehicle.
- Remove the round access panel to the right of the trailer hitch.
- Pull out the jump start wire harness.
- Connect the positive lead (red) to the red lead on the jump start wire harness and negative lead (black) to the black lead on the jump start wire harness.

Once energized, you can unlock the vehicle and power up the vehicle displays. If the vehicle battery has drained to 0%, open the charge port and charge as soon as possible.

08.08.02 Power requirements necessary to recharge vehicle
The Rivian R1T and R1S complies with industry standard SAE J1772 for AC Level 1 (120 VAC) and AC Level 2 (240 VAC) charging. Rivian R1T and R1S will be compatible with NACS through the use of an approved adapter.

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
Energy from the high voltage battery is used to power the electric heater and electric air conditioning. Energy is drawn by an on-board DC-DC converter that converts the high voltage to 14 Volts DC to maintain the low voltage battery system and power 12 Volt systems. Energy is also drawn by an on-board DC-AC converter to provide AC power to NEMA 15-5 outlets located in the vehicle.

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 Tier 3 Bin 0 regulations applicable to new Medium Duty Passenger Vehicles and state of California ZEV regulations applicable to new Medium-Duty Vehicles for the 2025 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
The high voltage battery is to be serviced and handled only by technicians authorized by Rivian.

17.05.03 Description of emergency procedures
Emergency procedures are described in the owner's manual. Please refer to the owner's manual for details. Emergency procedures for first responders are described in the Emergency Response Guide provided for this vehicle.

17.06.00 (Reserved)

Test Results:

R1S Performance Tri Max (22in) - Conserve

EPA EV Multicycle Calculator (SAE J1634 Oct 2012)

Manufacturer:	RIVIAN			
Carline:	R1S			
Model Year	2025		D.Good	March 8, 2016
Vehicle	R1S 351X 22" Range			
Test Number				
Comments:	**CONSERVE**			
Test Date	6/21/2024			

Cycle	**Energy (Wh)**	**Distance (mi)**	**ECdc_cyc**	**Kuwgt**	**Kwgt**
UDDS1	2003.34	7.463	268.43	67.11	3.85
UDDS2	1776.33	7.465	237.95	59.49	78.18
UDDS3	1719.92	7.432	231.43	57.86	76.04
UDDS4	1723.82	7.442	231.63	57.91	76.10
HWY1	2829.76	10.260	275.80	137.90	
HWY2	2700.00	10.230	263.94	131.97	
SS1	111777.76	332.187	336.49		
SS2	15104.62	44.487	339.53		
TOTAL	**139635.55**	**426.966**			

Recharge AC WattHrs: 163410.30

K-Factors	**UDDS1**	**UDDS2**	**UDDS3**	**UDDS4**	**HWY1**	**HWY2**
Unweighted	0.250	0.250	0.250	0.250	0.500	0.500
Weighted	0.014	0.329	0.329	0.329	NA	NA

Results	**Range (mi)**	**AC Wh/mi**	**MPGe**	**kWh/100mi**	**EPA version** kWh/100mi
UDDSu	**576.15**	**283.62**			
UDDSw	**596.30**	**274.04**	**122.9933**	**27.4039**	27.40393
HWY	**517.42**	**315.82**	**106.7220**	**31.5821**	31.58205

MCT Results	**whdc/mi**	**mi/kwhdc**	**mi/kwhac**
UDDS	234.1691	4.2704	3.6491
HFEDS	269.8714	3.7055	3.1664

Range

	0.7 Adj	**Adj**	**MPGe**	**MPGe**
Factor	0.70000	0.70550	0.70000	0.70550
City	417.41	420.69	86.0953	86.7713
Hwy	362.19	365.03	74.7054	75.2920
Combined	392.56	395.64	80.57	81.20

R1S Performance Tri Max (22in) – All-Purpose

EPA EV Multicycle Calculator (SAE J1634 Oct 2012)

Manufacturer:	RIVIAN		
Carline:	R1S		
Model Year	2025	D.Good	March 8, 2016
Vehicle	R1S 351X 22" Range		
Test Number			
Comments:	**ALL PURPOSE**		
Test Date	7/11/2024		

Cycle	Energy (Wh)	Distance (mi)	ECdc_cyc	Kuwgt	Kwgt
UDDS1	2335.09	7.433	314.13	78.53	5.25
UDDS2	2099.79	7.438	282.29	70.57	92.52
UDDS3	1973.75	7.448	264.99	66.25	86.85
UDDS4	1993.89	7.453	267.52	66.88	87.68
HWY1	3369.80	10.243	329.00	164.50	
HWY2	3135.57	10.256	305.74	152.87	
SS1	114604.44	294.089	389.69		
SS2	10085.58	24.632	409.44		
TOTAL	**139597.89**	**368.994**			

Recharge AC WattHrs: 163748.79

K-Factors	UDDS1	UDDS2	UDDS3	UDDS4	HWY1	HWY2
Unweighted	0.250	0.250	0.250	0.250	0.500	0.500
Weighted	0.017	0.328	0.328	0.328	NA	NA

Results	Range (mi)	AC Wh/mi	MPGe	kWh/100mi
UDDSu	**494.62**	**331.06**		
UDDSw	**512.64**	**319.42**	**105.5194**	**31.9420**
HWY	**439.86**	**372.27**	**90.5386**	**37.2272**

EPA version
kWh/100mi
31.94201
37.22723

MCT Results	whdc/mi	mi/kwhdc	mi/kwhac
UDDS	272.310	3.672	3.131
HFEDS	317.367	3.151	2.686

Range

	0.7 Adj	Adj	MPGe	MPGe
Factor	0.70000	0.72120	0.70000	0.72120
City	358.85	369.72	73.8636	76.1000
Hwy	307.90	317.23	63.3770	65.2960
Combined	335.92	346.10	68.74	70.83

R1T All-Terrain Performance Tri Max (20in) - Conserve

Test results pending.

EPA EV Multicycle Calculator (SAE J1634 Oct 2012)

Manufacturer:	RIVIAN
Carline:	R1T
Model Year	2025
Vehicle	R1T 358X 20" AT
Test Number	
Comments:	**ALL PURPOSE**
Test Date	7/3/2024

D.Good March 8, 2016

Cycle	**Energy (Wh)**	**Distance (mi)**	**ECdc_cyc**	**Kuwgt**	**Kwgt**
UDDS1	2672.62	7.463	358.12	89.53	6.87
UDDS2	2388.47	7.458	320.26	80.06	104.70
UDDS3	2285.36	7.382	309.59	77.40	101.22
UDDS4	2278.74	7.396	308.10	77.03	100.73
HWY1	3787.81	10.261	369.15	184.57	
HWY2	3528.15	10.193	346.13	173.07	
SS1	113225.04	261.853	432.40		
SS2	9134.19	20.257	450.92		
TOTAL	**139300.38**	**332.263**			

Recharge AC WattHrs: 163443.200

K-Factors	**UDDS1**	**UDDS2**	**UDDS3**	**UDDS4**	**HWY1**	**HWY2**
Unweighted	0.250	0.250	0.250	0.250	0.500	0.500
Weighted	0.019	0.327	0.327	0.327	NA	NA

Results	**Range (mi)**	**AC Wh/mi**	**MPGe**	**kWh/100mi**
UDDSu	**429.92**	**380.17**		
UDDSw	**444.31**	**367.86**	**91.6248**	**36.7859**
HWY	**389.50**	**419.62**	**80.3217**	**41.9625**

EPA version
kWh/100mi
36.78588
41.96248

MCT Results	**whdc/mi**	**mi/kwhdc**	**mi/kwhac**
UDDS	313.521	3.190	2.718
HFEDS	357.640	2.796	2.383

Range

	0.7 Adj	**Adj**	**MPGe**	**MPGe**
Factor	0.70000	0.73500	0.70000	0.73500
City	311.02	326.57	64.1374	67.3443
Hwy	272.65	286.28	56.2252	59.0365
Combined	293.75	308.44	60.32	63.33

US EPA Fee Form

Help and EPA Instructions

* Required Field

General Information

Date: 07/22/2024

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 *

2024

PLEASE NOTE: These fees apply to complete certification applications received by EPA from January 1, 2024, through December 31, 2024. 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 *

SRIVT00.0193

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

$34,461.00

Payment Type *

Online ACH

Comments

EPA Form Number 3520-29
OMB Control No. 2060-0545
Approval expires 12/31/2022

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	SRIVT00.0193	**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**	07/30/2024 06:57:53 PM
Model Year	2025		

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**	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	SRIVR0000193	**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	--	**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**	SRIVT00.0193
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	SRIVT00.0193	**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	700 - R1T All-Terrain Tri Max (20in)	Federal	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	700 - R1T All-Terrain Tri Max (20in)	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	702 - R1T Tri Max (22in)	Federal	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	500 - R1S All-Terrain Tri Max (20in)	Federal	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	502 - R1S Tri Max (22in)	Federal	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	702 - R1T Tri Max (22in)	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	500 - R1S All-Terrain Tri Max (20in)	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	502 - R1S Tri Max (22in)	California + CAA Section 177 states	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	--	--	--	--	--	--	--	--	--	--

SFTP LEV-III Official Test Numbers

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

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

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	392	**Battery Energy Capacity**	382
Battery Specific Energy	190	**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)	3		
Motor/Generator Type 1	AC Permanent Magnet	**Rated Motor/Generator Power**	233
Motor/Generator Type 2	AC Permanent Magnet	**Rated Motor/Generator Power**	201
Motor/Generator Type 3	AC Permanent Magnet	**Rated Motor/Generator Power**	201
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 and Conserve Drive Mode.		

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	R1S351XR22 / 0	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	SRIVT00.0193	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2025		

Vehicle Model

Represented Test Vehicle Make	Rivian	**Represented Test Vehicle Model**	R1S Tri Max (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	201X2SW233X1	**Rated Horsepower**	850
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)	6812	**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	SRIVT00.0193	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	45.62	0.2727	0.02222	-8.16	0.2842	0.02125	15.3
Cold CO	50.18	0.3	0.02444	-11.65	-0.02747	0.02485	N/A
US06	45.62	0.2727	0.02222	-8.16	0.2842	0.02125	N/A

Emission Control Device Comments Battery Electric Vehicle

Manufacturer Test Vehicle Comments R1S Tri Max (22in) - Conserve Drive Mode FDU Axle Ratio: 11.0:1 RDU Axle Ratio: 11.7:1 FDU N/V: 120.0 RDU N/V: 113.1

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087219**	**Test Procedure**	**2 - CVS 75 and later (w/o can. load)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	06/28/2024	**Fuel**	Electricity
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	MDPV (Federal Tier 2, GVWR 8501-10000)	**DF Type**	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4243	**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)	2.79	--
DT-EER (Drive Trace Energy Economy Rating)	1.93	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	4.47	--
MFR FE (Manufacturer Fuel Economy)	24.16	139.5074503
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 - Conserve Drive Mode, Tri Motor, Max Battery Pack, and 22" Sport Bright Wheels. Cycle 1: 268.96 Wh/mi, Cycle 2: 222.57 Wh/mi, Cycle 3: 260.40 Wh/mi, Cycle 4: 217.77 Wh/mi.

Certification Summary Information Report

Test Group SRIVT00.0193 **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	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087217**	**Test Procedure**	**3 - HWFE**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	06/28/2024	**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	4243	**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)	3.65	--
DT-EER (Drive Trace Energy Economy Rating)	0.37	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	4.26	--
MFR FE (Manufacturer Fuel Economy)	26.9	125.2973978
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 - Conserve Drive Mode, Tri Motor, Max Battery Pack, and 22" Sport Bright Wheels. Cycle 1: 269.00 Wh/mi

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087220**	**Test Procedure**	**90 - US06**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	06/27/2024	**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	4227	**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)	-0.92	--
DT-EER (Drive Trace Energy Economy Rating)	-0.95	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-2.08	--
MFR FE (Manufacturer Fuel Economy)	37.16	90.7023681
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 Conserve Drive Mode, Tri Motor, Max Battery Pack, and 22" Sport Bright Wheels. Cycle 1 (City1): 360.14 Wh/mi, Cycle 2 (HWY): 367.33 Wh/mi, Cycle 3 (City2): 455.29 Wh/mi

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087218**	**Test Procedure**	**95 - SC03**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	06/28/2024	**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	4269	**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)	2.04	--
DT-EER (Drive Trace Energy Economy Rating)	0.86	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.52	--
MFR FE (Manufacturer Fuel Economy)	33.77	99.8075215
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 - Conserve Drive Mode, Tri Motor, Max Battery Pack, and 22" Sport Bright Wheels. Cycle 1: 337.71 Wh/mi

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087216**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	06/21/2024	**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	3295	**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)**	163.41
Charge Depleting Range (Calculated miles)	596.3	**Charge Depleting Range (Actual miles)**	596.3
Charge Depleting Range Highway (Calculated miles)	517.42	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	596.3
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)	7.463
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.33
Drive Trace Energy Economy Rating	-0.75
Drive Trace Inertia Work Ratio Rating	-0.44
Integrated DC KW-HRS	2.003
Manufacturer Fuel Economy	26.84

Charge Depleting Bag/Phase #2

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.26
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.97
Drive Trace Energy Economy Rating	-0.34
Drive Trace Inertia Work Ratio Rating	-1.22
Integrated DC KW-HRS	2.83
Manufacturer Fuel Economy	27.58

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.465
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.06
Drive Trace Energy Economy Rating	-0.51
Drive Trace Inertia Work Ratio Rating	-0.07
Integrated DC KW-HRS	1.776
Manufacturer Fuel Economy	23.79

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	332.187
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	74.63
Drive Trace Energy Economy Rating	-1.59
Drive Trace Inertia Work Ratio Rating	99.99
Integrated DC KW-HRS	111.778
Manufacturer Fuel Economy	33.65

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.432
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	2.41
Drive Trace Energy Economy Rating	1.77
Drive Trace Inertia Work Ratio Rating	3.73
Integrated DC KW-HRS	1.72
Manufacturer Fuel Economy	23.14

Charge Depleting Bag/Phase #6

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.23
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	6.27
Drive Trace Energy Economy Rating	2.46
Drive Trace Inertia Work Ratio Rating	6.61
Integrated DC KW-HRS	2.7
Manufacturer Fuel Economy	26.39

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.442
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	2.22
Drive Trace Energy Economy Rating	1.59
Drive Trace Inertia Work Ratio Rating	3.22
Integrated DC KW-HRS	1.724
Manufacturer Fuel Economy	23.16

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	44.487
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	99.99
Drive Trace Energy Economy Rating	-0.24
Drive Trace Inertia Work Ratio Rating	94.11
Integrated DC KW-HRS	15.105
Manufacturer Fuel Economy	33.95

Manufacturer Test Comments R1S - Conserve Drive Mode, Tri Motor, Max Battery Pack, and 22" Sport Bright wheels. UDDS1: 268.43 Wh/mi, UDDS2: 237.95 Wh/mi, UDDS3: 231.43 Wh/mi, UDDS4: 231.63 Wh/mi. UDDS1 Energy: 2003.34 Wh HWY1: 275.80 Wh/mi, HWY2: 263.94 Wh/mi MCT Energy: 139635.55 Wh

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087221**	**Test Procedure**	**86 - Charge Depleting 20 Degree F FTP**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/02/2024	**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	4276	**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)**	163.41
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)	3.59
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.65
Drive Trace Energy Economy Rating	-0.39
Drive Trace Inertia Work Ratio Rating	-1.35
Integrated DC KW-HRS	1.859
Manufacturer Fuel Economy	51.8

Charge Depleting Bag/Phase #2

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.85
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.88
Drive Trace Energy Economy Rating	-0.99
Drive Trace Inertia Work Ratio Rating	-0.59
Integrated DC KW-HRS	1.582
Manufacturer Fuel Economy	41.08

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.585
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.53
Drive Trace Energy Economy Rating	-1.36
Drive Trace Inertia Work Ratio Rating	-0.62
Integrated DC KW-HRS	1.426
Manufacturer Fuel Economy	39.78

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.836
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.35
Drive Trace Energy Economy Rating	-0.49
Drive Trace Inertia Work Ratio Rating	-0.26
Integrated DC KW-HRS	1.34
Manufacturer Fuel Economy	34.94

Manufacturer Test Comments R1S - Conserve Drive Mode, Tri Motor, Max Battery Pack, and 22" Sport Bright Wheels. Cycle 1: 517.98 Wh/mi, Cycle 2: 410.80 Wh/mi, Cycle 3: 397.78 Wh/mi, Cycle 4: 349.45 Wh/mi,

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	R1S351XR22 / 1	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	SRIVT00.0193	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2025		

Vehicle Model

Represented Test Vehicle Make	Rivian	**Represented Test Vehicle Model**	R1S Tri Max (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	201X2SW233X1	**Rated Horsepower**	850
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)	6812	**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	SRIVT00.0193	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	45.62	0.2727	0.02222	-8.16	0.2842	0.02125	15.3
Cold CO	50.18	0.3	0.02444	-11.65	-0.02747	0.02485	N/A
US06	45.62	0.2727	0.02222	-8.16	0.2842	0.02125	N/A

Emission Control Device Comments Battery Electric Vehicle

Manufacturer Test Vehicle Comments R1S Tri Max (22in) - All Purpose Drive Mode FDU Axle Ratio: 11.0:1 RDU Axle Ratio: 11.7:1 FDU N/V: 120.0 RDU N/V: 113.1

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087223**	**Test Procedure**	**2 - CVS 75 and later (w/o can. load)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/16/2024	**Fuel**	Electricity
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	MDPV (Federal Tier 2, GVWR 8501-10000)	**DF Type**	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4794	**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)	1.17	--
DT-EER (Drive Trace Energy Economy Rating)	0.75	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.92	--
MFR FE (Manufacturer Fuel Economy)	28.82	116.9500347
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 - All Purpose Drive Mode, Tri Motor, Max Battery Pack, and 22" Sport Bright Wheels. Cycle 1: 323.82 Wh/mi, Cycle 2: 265.49 Wh/mi, Cycle 3: 309.28 Wh/mi, Cycle 4: 257.94 Wh/mi.

Certification Summary Information Report

Test Group SRIVT00.0193 **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	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087224**	**Test Procedure**	**3 - HWFE**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/16/2024	**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	4794	**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)	3.91	--
DT-EER (Drive Trace Energy Economy Rating)	-0.16	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	4.81	--
MFR FE (Manufacturer Fuel Economy)	31.91	105.6251959
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 - All Purpose Drive Mode, Tri Motor, Max Battery Pack, and 22" Sport Bright Wheels. Cycle 1: 319.06 Wh/mi

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087225**	**Test Procedure**	**90 - US06**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/18/2024	**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	4834	**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)	0.09	--
DT-EER (Drive Trace Energy Economy Rating)	-0.63	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.15	--
MFR FE (Manufacturer Fuel Economy)	41.46	81.2952243
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 All Purpose Drive Mode, Tri Motor, Max Battery Pack, and 22" Sport Bright Wheels. Cycle 1 (City1): 396.19 Wh/mi, Cycle 2 (HWY): 415.69 Wh/mi, Cycle 3 (City2): 448.65 Wh/mi

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087226**	**Test Procedure**	**95 - SC03**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/18/2024	**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	4850	**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)	1.34	--
DT-EER (Drive Trace Energy Economy Rating)	0.68	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.33	--
MFR FE (Manufacturer Fuel Economy)	37.18	90.6535772
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 - All Purpose Drive Mode, Tri Motor, Max Battery Pack, and 22" Sport Bright Wheels. Cycle 1: 371.83 Wh/mi

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087222**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/11/2024	**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	4298	**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)**	163.75
Charge Depleting Range (Calculated miles)	512.64	**Charge Depleting Range (Actual miles)**	512.64
Charge Depleting Range Highway (Calculated miles)	439.8	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	512.64
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	-0.63
Drive Trace Energy Economy Rating	-0.99
Drive Trace Inertia Work Ratio Rating	-1.01
Integrated DC KW-HRS	2.335
Manufacturer Fuel Economy	31.41

Charge Depleting Bag/Phase #2

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.243
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.16
Drive Trace Energy Economy Rating	-0.17
Drive Trace Inertia Work Ratio Rating	1.42
Integrated DC KW-HRS	3.37
Manufacturer Fuel Economy	32.9

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	-0.92
Drive Trace Energy Economy Rating	-0.43
Drive Trace Inertia Work Ratio Rating	-1.49
Integrated DC KW-HRS	2.1
Manufacturer Fuel Economy	28.23

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	294.089
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	29.63
Drive Trace Energy Economy Rating	-1.78
Drive Trace Inertia Work Ratio Rating	59.16
Integrated DC KW-HRS	114.604
Manufacturer Fuel Economy	38.97

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.448
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.02
Drive Trace Energy Economy Rating	0.46
Drive Trace Inertia Work Ratio Rating	1.61
Integrated DC KW-HRS	1.974
Manufacturer Fuel Economy	26.5

Charge Depleting Bag/Phase #6

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.256
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.79
Drive Trace Energy Economy Rating	0.14
Drive Trace Inertia Work Ratio Rating	2.57
Integrated DC KW-HRS	3.136
Manufacturer Fuel Economy	30.57

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.453
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.35
Drive Trace Energy Economy Rating	1.07
Drive Trace Inertia Work Ratio Rating	2.16
Integrated DC KW-HRS	1.994
Manufacturer Fuel Economy	26.75

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	24.632
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	99.99
Drive Trace Energy Economy Rating	-0.64
Drive Trace Inertia Work Ratio Rating	33.99
Integrated DC KW-HRS	10.086
Manufacturer Fuel Economy	40.94

Manufacturer Test Comments R1S - All Purpose Drive Mode, Tri Motor, Max Battery Pack, and 22" Sport Bright wheels. UDDS1: 314.13 Wh/mi, UDDS2: 282.29 Wh/mi, UDDS3: 264.99 Wh/mi, UDDS4: 267.52 Wh/mi. UDDS1 Energy: 2335.09 Wh HWY1: 329.00 Wh/mi, HWY2: 305.74 Wh/mi MCT Energy: 139597.89 Wh

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087227**	**Test Procedure**	**86 - Charge Depleting 20 Degree F FTP**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/17/2024	**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	4276	**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)**	163.41
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)	3.59
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.4
Drive Trace Energy Economy Rating	-0.09
Drive Trace Inertia Work Ratio Rating	0.68
Integrated DC KW-HRS	2.09
Manufacturer Fuel Economy	58.23

Charge Depleting Bag/Phase #2

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.86
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.71
Drive Trace Energy Economy Rating	0.16
Drive Trace Inertia Work Ratio Rating	1.19
Integrated DC KW-HRS	1.831
Manufacturer Fuel Economy	47.43

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.592
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.24
Drive Trace Energy Economy Rating	0.93
Drive Trace Inertia Work Ratio Rating	1.87
Integrated DC KW-HRS	1.651
Manufacturer Fuel Economy	45.97

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.864
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.97
Drive Trace Energy Economy Rating	0.21
Drive Trace Inertia Work Ratio Rating	1.64
Integrated DC KW-HRS	1.529
Manufacturer Fuel Economy	39.56

Manufacturer Test Comments R1S - All Purpose Drive Mode, Tri Motor, Max Battery Pack, and 22" Sport Bright Wheels. Cycle 1: 582.32 Wh/mi, Cycle 2: 474.26 Wh/mi, Cycle 3: 459.68 Wh/mi, Cycle 4: 395.60 Wh/mi,

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	R1T358XR20AT / 1	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	SRIVT00.0193	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2025		

Vehicle Model

Represented Test Vehicle Make	Rivian	**Represented Test Vehicle Model**	R1T All-Terrain Tri Max (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	201X2SW233X1	**Rated Horsepower**	850
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)	6952	**Equivalent Test Weight (pounds)**	7500
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	SRIVT00.0193	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	57.27	0.5062	0.02077	-12.35	0.2486	0.0214	17.9
Cold CO	63	0.5568	0.02285	-22.79	0.2746	0.02198	N/A
US06	57.27	0.5062	0.02077	-12.35	0.2486	0.0214	N/A

Emission Control Device Comments Battery Electric Vehicle

Manufacturer Test Vehicle Comments R1T All-Terrain Tri Max (20in) - All Purpose Drive Mode FDU Axle Ratio: 11.0:1 RDU Axle Ratio: 11.7:1 FDU N/V: 115.4 RDU N/V: 108.8

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087234**	**Test Procedure**	**2 - CVS 75 and later (w/o can. load)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/14/2024	**Fuel**	Electricity
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	MDPV (Federal Tier 2, GVWR 8501-10000)	**DF Type**	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4038	**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)	-0.7	--
DT-EER (Drive Trace Energy Economy Rating)	-0.72	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.08	--
MFR FE (Manufacturer Fuel Economy)	33.11	101.7970402
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 - All Purpose Drive Mode, Tri Motor, Max Battery Pack, and 20" All-Terrain Wheels. Cycle 1: 372.80 Wh/mi, Cycle 2: 307.49 Wh/mi, Cycle 3: 351.05 Wh/mi, Cycle 4: 297.33 Wh/mi.

Certification Summary Information Report

Test Group SRIVT00.0193 **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	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087235**	**Test Procedure**	**3 - HWFE**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/14/2024	**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	4038	**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)	-0.49	--
DT-EER (Drive Trace Energy Economy Rating)	0.19	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.82	--
MFR FE (Manufacturer Fuel Economy)	35.86	93.9905187
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 - All Purpose Drive Mode, Tri Motor, Max Battery Pack, and 20" All-Terrain Wheels. Cycle 1: 358.65 Wh/mi

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087236**	**Test Procedure**	**90 - US06**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/13/2024	**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	4022	**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)	-0.47	--
DT-EER (Drive Trace Energy Economy Rating)	-0.56	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.4	--
MFR FE (Manufacturer Fuel Economy)	46.21	72.9387578
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 All Purpose Drive Mode, Tri Motor, Max Battery Pack, and 20" All-Terrain Wheels. Cycle 1 (City1): 447.70 Wh/mi, Cycle 2 (HWY): 459.04 Wh/mi, Cycle 3 (City2): 536.43 Wh/mi

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087237**	**Test Procedure**	**95 - SC03**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/09/2024	**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	3991	**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)	0.03	--
DT-EER (Drive Trace Energy Economy Rating)	0.14	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.59	--
MFR FE (Manufacturer Fuel Economy)	42.68	78.9714152
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 - All Purpose Drive Mode, Tri Motor, Max Battery Pack, and 20" All-Terrain Wheels. Cycle 1: 426.75 Wh/mi

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087233**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/03/2024	**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	3503	**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)**	163.44
Charge Depleting Range (Calculated miles)	444.31	**Charge Depleting Range (Actual miles)**	444.31
Charge Depleting Range Highway (Calculated miles)	389.5	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	444.31
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)	7.463
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.41
Drive Trace Energy Economy Rating	-0.76
Drive Trace Inertia Work Ratio Rating	-0.57
Integrated DC KW-HRS	2.673
Manufacturer Fuel Economy	35.81

Charge Depleting Bag/Phase #2

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.261
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.05
Drive Trace Energy Economy Rating	-0.23
Drive Trace Inertia Work Ratio Rating	0.11
Integrated DC KW-HRS	3.788
Manufacturer Fuel Economy	36.91

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.458
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.07
Drive Trace Energy Economy Rating	-0.4
Drive Trace Inertia Work Ratio Rating	0.26
Integrated DC KW-HRS	2.388
Manufacturer Fuel Economy	32.02

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	261.853
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	25.34
Drive Trace Energy Economy Rating	-0.14
Drive Trace Inertia Work Ratio Rating	50.63
Integrated DC KW-HRS	113.225
Manufacturer Fuel Economy	43.24

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.382
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.3
Drive Trace Energy Economy Rating	-0.46
Drive Trace Inertia Work Ratio Rating	-1.62
Integrated DC KW-HRS	2.285
Manufacturer Fuel Economy	30.96

Charge Depleting Bag/Phase #6

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.193
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-2.98
Drive Trace Energy Economy Rating	-1.27
Drive Trace Inertia Work Ratio Rating	-3.81
Integrated DC KW-HRS	3.528
Manufacturer Fuel Economy	34.61

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.396
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.24
Drive Trace Energy Economy Rating	-0.05
Drive Trace Inertia Work Ratio Rating	-1.32
Integrated DC KW-HRS	2.279
Manufacturer Fuel Economy	30.81

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	20.257
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	12.4
Drive Trace Energy Economy Rating	-0.78
Drive Trace Inertia Work Ratio Rating	24.78
Integrated DC KW-HRS	9.134
Manufacturer Fuel Economy	45.09

Manufacturer Test Comments R1T - All Purpose Drive Mode, Tri Motor, Max Battery Pack, and 20" All-Terrain Wheels. UDDS1: 358.13 Wh/mi, UDDS2: 320.24 Wh/mi, UDDS3: 309.59 Wh/mi, UDDS4: 308.10 Wh/mi. UDDS1 Energy: 2672.62 Wh HWY1: 369.13 Wh/mi, HWY2: 346.14 Wh/mi MCT Energy: 139300.36 Wh

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test #	**SRIV10087238**	**Test Procedure**	**86 - Charge Depleting 20 Degree F FTP**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/17/2024	**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	4089	**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)**	163.44
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)	3.592
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.21
Drive Trace Energy Economy Rating	0.24
Drive Trace Inertia Work Ratio Rating	1.67
Integrated DC KW-HRS	2.221
Manufacturer Fuel Economy	61.83

Charge Depleting Bag/Phase #2

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.864
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.53
Drive Trace Energy Economy Rating	-0.29
Drive Trace Inertia Work Ratio Rating	0.73
Integrated DC KW-HRS	1.835
Manufacturer Fuel Economy	47.49

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.593
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.16
Drive Trace Energy Economy Rating	-0.09
Drive Trace Inertia Work Ratio Rating	2.22
Integrated DC KW-HRS	1.777
Manufacturer Fuel Economy	49.45

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	0.68
Drive Trace Energy Economy Rating	-0.28
Drive Trace Inertia Work Ratio Rating	0.93
Integrated DC KW-HRS	1.642
Manufacturer Fuel Economy	42.5

Manufacturer Test Comments R1T - All Purpose Drive Mode, Tri Motor, Max Battery Pack, and 20" All-Terrain Wheels. Cycle 1: 582.32 Wh/mi, Cycle 2: 474.26 Wh/mi, Cycle 3: 459.68 Wh/mi, Cycle 4: 395.60 Wh/mi,

Fuel Properties

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Consolidated List of Standards

Exhaust Standards

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	MDPV (Federal Tier 2, GVWR 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	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 (Federal Tier 2, GVWR 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	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 (Federal Tier 2, GVWR 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	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	MDPV (Federal Tier 2, GVWR 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

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	MDPV (Federal Tier 2, GVWR 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

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	MDPV (Federal Tier 2, GVWR 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	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0

Certification Summary Information Report

Test Group	SRIVT00.0193	**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	N2O	Nitrous Oxide
CO	Carbon Monoxide	SPITBACK	Spitback Hydrocarbon in grams
CO2	Carbon dioxide	AMP-HRS	Integrated Amp-hours
CREE	Carbon-Related Exhaust Emissions	START-SOC	System Start State of Charge Watt-hours
OPT-CREE	Optional Carbon-Related Exhaust Emissions	END-SOC	System End State of Charge Watt-hours
NOX	Nitrogen Oxide	ACT-DISTANCE	Actual Distance Driven (miles)
PM	Particulate Matter	AS-VOLT	Average System Voltage
PM-COMP	SFTP Composite Particulate Matter	CO2 BAG 1	Bag 1 Carbon Dioxide
HC-NM	Non-methane Hydrocarbon	CO2 BAG 2	Bag 2 Carbon Dioxide
OMHCE	Organic material Hydrocarbon Equivalent	CO2 BAG 3	Bag 3 Carbon Dioxide
OMNMHCE	Organic material non-methane HC equivalent	CO2 BAG 4	Bag 4 Carbon Dioxide
NMOG	Non-methane organic gases	NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides
HCHO	Formaldehyde	NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides
H3C2HO	Acetaldehyde	DT-IWRR	Drive Trace Inertia Work Ratio Rating
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03	DT-ASCR	Drive Trace Absolute Speed Change Rating
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides	DT-EER	Drive Trace Energy Economy Rating
CO-COMP	SFTP Composite Carbon Monoxide	COMB-CREE	Combined Carbon-Related Exhaust Emissions
ETHANOL	C2H5OH - Ethanol	COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions
FE BAG 1	Bag 1 Fuel Economy	HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only
FE BAG 2	Bag 2 Fuel Economy	METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only
FE BAG 3	Bag 3 Fuel Economy	N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only
FE BAG 4	Bag 4 Fuel Economy	LEAK-DIA	Effective Leak Diameter (inches)
MFR FE	Manufacturer Fuel Economy	LEAK-GAS CAP	Gas Cap Leakage (cc/min)
HC	Hydrocarbon for Running Loss and ORVR	CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only
METHANE	CH4 - Methane	KW-HRS	Integrated DC KW-HRS
METHANOL	CH3OH - Methanol		

Certification Region			
CA	California + CAA Section 177 states	FA	Federal

Exhaust Emission Standard Level			
B1	Federal Tier 2 Bin 1	L3ULEV340	California LEV-III ULEV340
B2	Federal Tier 2 Bin 2	L3ULEV250	California LEV-III ULEV250
B3	Federal Tier 2 Bin 3	L3ULEV200	California LEV-III ULEV200
B4	Federal Tier 2 Bin 4	L3SULEV170	California LEV-III SULEV170

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--
B5	Federal Tier 2 Bin 5	L3SULEV150	California LEV-III SULEV150
B6	Federal Tier 2 Bin 6	L3LEV630	California LEV-III LEV630
B7	Federal Tier 2 Bin 7	L3ULEV570	California LEV-III ULEV570
B8	Federal Tier 2 Bin 8	L3ULEV400	California LEV-III ULEV400
B9	Federal Tier 2 Bin 9	L3ULEV270	California LEV-III ULEV270
B10	Federal Tier 2 Bin 10	L3SULEV230	California LEV-III SULEV230
B11	Federal Tier 2 Bin 11	L3SULEV200	California LEV-III SULEV200
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)	T3B160	Federal Tier 3 Bin 160
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)	T3B125	Federal Tier 3 Bin 125
L2	California LEV-II LEV	T3B110	Federal Tier 3 Transitional Bin 110
L2OP	California LEV-II LEV Optional	T3B85	Federal Tier 3 Transitional Bin 85
U2	California LEV-II ULEV	T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover
S2	California LEV-II SULEV	T3B70	Federal Tier 3 Bin 70
ZEV	California ZEV	T3B50	Federal Tier 3 Bin 50
OT	Other	T3B30	Federal Tier 3 Bin 30
T1	Federal Tier 1	T3B20	Federal Tier 3 Bin 20
PZEV	California PZEV	T3B0	Federal Tier 3 Bin 0
L2LEV160	California LEV-II LEV160	HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395
L2ULEV125	California LEV-II ULEV125	HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340
L2SULEV30	California LEV-II SULEV30	HDV2B250	Federal Tier 3 HD Class 2b Bin 250
L2LEV395	California LEV-II LEV395	HDV2B200	Federal Tier 3 HD Class 2b Bin 200
L2ULEV340	California LEV-II ULEV340	HDV2B170	Federal Tier 3 HD Class 2b Bin 170
L2LEV630	California LEV-II LEV630	HDV2B150	Federal Tier 3 HD Class 2b Bin 150
L2ULEV570	California LEV-II ULEV570	HDV2B0	Federal Tier 3 HD Class 2b Bin 0
L3LEV160	California LEV-III LEV160	HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630
L3ULEV125	California LEV-III ULEV125	HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570
L3ULEV70	California LEV-III ULEV70	HDV3B400	Federal Tier 3 HD Class 3 Bin 400
L3ULEV50	California LEV-III ULEV50	HDV3B270	Federal Tier 3 HD Class 3 Bin 270
L3SULEV30	California LEV-III SULEV30	HDV3B230	Federal Tier 3 HD Class 3 Bin 230
L3SULEV20	California LEV-III SULEV20	HDV3B200	Federal Tier 3 HD Class 3 Bin 200
L3LEV395	California LEV-III LEV395	HDV3B0	Federal Tier 3 HD Class 3 Bin 0

Transmission Type Code			
AMS	Automated Manual- Selectable (e.g. Automated Manual with paddles)	M	Manual
A	Automatic	OT	Other
AM	Automated Manual	SA	Semi-Automatic
CVT	Continuously Variable	SCV	Selectable Continuously Variable (e.g. CVT with paddles)

Drive System Code			
4	4-Wheel Drive	P	Part-time 4-Wheel Drive
F	2-Wheel Drive, Front	A	All Wheel Drive

Certification Summary Information Report

Test Group	SRIVT00.0193	**Evaporative/Refueling Family**	--
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

2025 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Rivian Automotive, LLC Test Group: SRIVT00.0193

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__

No. of ZEV Credits per vehicle: 4.0

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.): 787 Total Battery Volume (liters): 562

No. of batteries or modules per vehicle: 1 Total Battery Voltage: 392

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 3 Rated motor power 233 kW @ 4985 RPM Front / 2x 201 kW @ 5252 RPM Rears 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 Tri Max (22in) R1T Tri Max (22in)	Automatic	8532 lbs.	6812 lbs. (R1S) 6791 lbs. (R1T)	7000 lbs.	Conserve a: 45.62 lbf b: 0.2727 lbf/mph c: 0.02222 lbf/mph2 All-Purpose a: 46.02 lbf b: 0.1417 lbf/mph c: 0.02689 lbf/mph2

Date Issued: 07/30/2024 Revisions:

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

2025 MODEL-YEAR AIR RESOURCES BOARD CERTIFICATION REVIEW SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Rivian Automotive, LLC Test Group: SRIVT00.0193

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)
R1S351XR22	Auto	7000 lbs.	Conserve/All-Purpose: a: -8.16 lbs b: 0.2842 lbs/mph c: 0.02125 lbs/mph2	Conserve: 596.30 All-Purpose: 512.64	274.04 319.27	234.17 272.31	234.17 272.31

Hwy. Range	System AC (Wh/mi)	System DC (Wh/mi)	Vehicle DC (Wh/mi)
Conserve: 517.42 All-Purpose: 439.86	315.82 372.27	269.87 317.37	269.87 317.37

Battery Test Results: PASS Specific Energy: Wh/kg 190

Remarks:

Date Issued: 07/30/2024 Revisions:

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Application:

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

Suggested ZEV Application Format for Certification

E.O.#. _____ Page 1 of 2

2025 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Rivian Automotive, LLC Test Group: SRIVT00.0193

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__

No. of ZEV Credits per vehicle: 4.0

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.): 787 Total Battery Volume (liters): 562

No. of batteries or modules per vehicle: 1 Total Battery Voltage: 392

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 3 Rated motor power 233 kW @ 4985 RPM Front / 2x 201 kW @ 5252 RPM Rears 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 All-Terrain Tri Max (20in) R1T All-Terrain Tri Max (20in)	Automatic	8532 lbs.	6951 lbs. (R1S) 6952 lbs. (R1T)	7000 lbs.	Conserve a: 57.27 lbf b: 0.5062 lbf/mph c: 0.02077 lbf/mph2 All-Purpose a: 57.34 lbf b: 0.4310 lbf/mph c: 0.02406 lbf/mph2

Date Issued: 07/30/2024 Revisions:

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

2025 MODEL-YEAR AIR RESOURCES BOARD CERTIFICATION REVIEW SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Rivian Automotive, LLC Test Group: SRIVT00.0193

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)
R1T358XR20	Auto	7500 lbs.	Conserve/All-Purpose: a: -12.35 lbs b: 0.2486 lbs/mph c: 0.02198 lbs/mph2	Conserve: 514.86 All-Purpose: 444.31	317.18 367.86	271.77 313.52	271.77 313.52

Hwy. Range	System AC (Wh/mi)	System DC (Wh/mi)	Vehicle DC (Wh/mi)
Conserve: 453.73 All-Purpose: 389.50	359.92 419.62	308.39 357.64	308.39 357.64

Battery Test Results: PASS Specific Energy: Wh/kg 190

Remarks:

Date Issued: 07/30/2024 Revisions:

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Application:

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