

TOYOTA

Application For Certification - Part 1 **2027 Model Year**

Durability Group : VTYXEEVNNKZZ
Evap/refueling Families : N/A
Test Group : VTYXV00.0D12
Test Group Description : Battery electric vehicle (BEV), LDV
Applicable Standards : Federal states : Tier4 - Bin0 - LDV
California : ZEV – PC
Carlines Covered : bZ, bZ LIMITED, SOLTERRA,
UNCHARTED, TRAILSEEKER,
ES 350e (19 inch Wheels),
ES 350e (21 inch Wheels)
Engine Series : N/A
Vehicles Tested :

Vehicle I.D.	Config.	Test	Test Number
26-XA2E	00	MCT	TTYX10089381
26-XA2E	01	MCT	TTYX10089382
26-XA2E	02	MCT	TTYX10089384
26-XK2E	00	MCT	TTYX10091830
26-XE1E	00	MCT	TTYX10091576
26-XZ1E	00	MCT	TTYX10092239
26-XZ1E	01	MCT	TTYX10092242
26-XZ1E	02	MCT	TTYX10092241

EPA Response Requested By : June 12, 2026

For Questions, Contact : Lisa Florida 734-695-2697

Note : This is a model-addition running change 26-TR-18 to add C-HR and UNCHARTED to this test group which has been already certified.

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1. **Correspondence and Communications**

Please refer to the FOI common file.

2. Confidential Information

2.1 Special Test Procedure

Please refer to the section 16 of CBI Common file

2.2 Projected sales in California

Please refer to the E-Cert

3. Facilities, Equipment and Test Procedures

The facilities and equipment comply with the related regulations, including 40CFR §1066.210

<Equipment> 48 inch, single roll electric dynamometer

<Regenerative Braking> Enabled

<Range Test Procedure>

Tested according to “California Exhaust Emission Standards and Test Procedures for 2026 and Subsequent Model Zero-Emission Vehicles, adopted March 22, 2012

<Test Procedure Used>

Tested using the Multi Cycle Test (MCT)sequence

3.1 Reserved

3.2 Battery and Vehicle Pre-Conditioning Procedures

The traction battery and vehicle does not require any pre-conditioning to enable the vehicle system.

3.3 Battery and Vehicle Break-in Period and Range

Break in Period of Vehicle	Break in mile of Vehicle
N/A	2,000 mile

4.Reserved

5.Reserved

6 Maintenance

6.1 Test Vehicle Scheduled Maintenance

N/A(same as “Recommended Customer Maintenance Schedule” found in next section).

6.2 Recommended Customer Maintenance Schedule

Please refer to recommended maintenance schedule in the owner’s manual.

6.3 Lubricants and heater fuels, if any

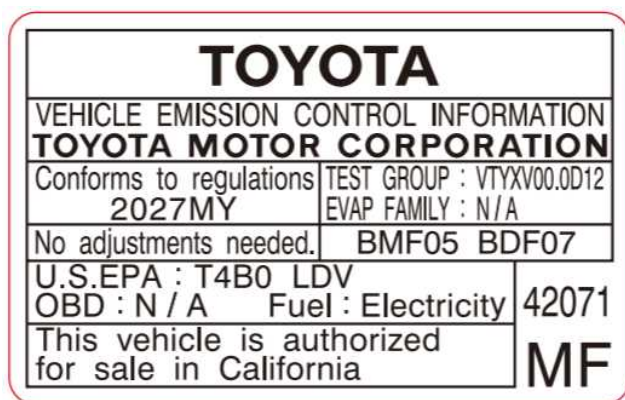
Please refer to recommended Fluid in the owner’s manual.

7 Labels

7.1 VECI Label locations : underside of the hood

7.2 Information of the Labels

Sample of VECI label



Sample of Battery label



7.3 Reserved

7.4 Statement of Compliance

This vehicle conforms to US EPA Tier4 Bin 0 vehicle regulations applicable to 2027 model year new motor vehicles and to California regulations applicable to 2027 model year new ZEV LDV.

8. General Technical Description

Please refer to the section of CBI Test Group file

9. Reserved

10. Reserved

11 Starting and Shifting Schedules

11.1 Starting Procedure

Please refer to Section 12 of the FOI common file

12 Description of Test Group

12. Test Group Description

12.1 Test group name : VYXT00.0D12

12.2 Engine displacements covered : N/A

12.3 Arrangement and number of cylinders : N/A

12.4 Vehicle class (es) covered : LDV

12.5 Federal emission standards class : Tier4 - Bin0- LDV

12.6 California Emission standards class : ZEV –PC

12.7 Applicable emission standards

Please refer to Certification Summary Information Report in Section 16 CBI common file.

13. Reserved

14.Request for Certificate

Test group : VTYXV00.0D12
Evap/refueling family : N/A

TOYOTA MOTOR CORPORATION requests that EPA/CARB issue a 2027 Model Year certificate of conformity and Executive Order for the above specified test group/evaporative family combination more fully described in this application. This combination complies with the following emission standards:

Federal: Tier4-Bin 0

California: ZEV

This combination meet all applicable regulations contained within 40 CFR Part 85, 86, and 600, within Title 13 of the California Code of Regulation, the application is current as of this date.



Kevin Webber
General Manager
Regulatory Affairs & Environmental Sustainability
Toyota Motor North America, Inc.

15 Other Information

Fee filing form

Invoice No.:EPA2027MY003

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

Tracking Information

Pay.gov Tracking ID: 27VM0I62

Agency Tracking ID: 77298968058

General Information

Date: 02/17/2026

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

TYX

Manufacturer Name *

Toyota Motor Corporation

Contact Name *

Keisha Anderson

Contact Email Address *

keisha.anderson@toyota.com

Contact Phone *

734-995-3552

Calendar Year complete application submitted to EPA *

2026

PLEASE NOTE: These fees apply to complete certification applications received by EPA from January 1, 2026, through December 31, 2026. The applicable fee is determined by the

Amount Owed

\$32,317.00

Payment Type *

Offline ACH

Comments

EPA Form Number 3520-29

OMB Control No. 2060-0545

Approval expires 7/31/2027

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

The content of this document may contain Sensitive But Unclassified (SBU) data and/or Controlled Unclassified Information (CUI).

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

Engine Family / Evaporative Family / Test Group *

VTYXV00.0D12

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

16. Test Result**16.1 Test Vehicle Description**

Vehicle Type	Vehicle ID	Config.	Tests Performed
Certification FEDV	26-XA2E	00	Multi-cycle
		01	Multi-cycle
		02	Multi-cycle
	26-XK2E	00	Multi-cycle
	26-XE1E	00	Multi-cycle
	26-XZ1E	00	Multi-cycle
		01	Multi-cycle
		02	Multi-cycle

For the range values and energy consumption rate, please refer to the supplemental sheet and E-Cert.

Certification Summary Information Report

Manufacturer	Toyota Motor Corporation	Manufacturer Code	TYX
Test Group	VTYXV00.0D12	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	04/10/2026 12:39:43 AM
Model Year	2027		

Test Group Information

CSI Type	New	Running Change Reference Number	--
GHG Exempt Status	Not Exempt		

Drive Sources and Fuel(s)

Drive Source #1: Electric Motor

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

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	Yes
Fuel Cell Indicator	No	EPA Vehicle Class	LDV
Federal Clean Fuel Vehicle	No	Federal Clean Fuel Vehicle Standard	--
Federal Clean Fuel Vehicle ILEV	--	California Partial Zero Emissions Vehicle Indicator	--
Durability Group Name	VTYXEEVNNMZZ	Durability Group Equivalency Factor	1.0
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Not Applicable	SFTP Tier 2 Composite CO Option	--
SFTP LEV-III Composite Compliance Indicator	No		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	VTYXT02.4H3A
Test Group OBD Compliance Level	Full - no deficiencies	Number of Test Group OBD Deficiencies	0
OBD Deficiencies Comments	This vehicle is exempted from OBD requirement because this vehicle is BEV.		
Mfr Test Group Comments	Durability Group Equivalency Factor is not available because this vehicle is BEV (1.0 is a dummy). Projected sales volume for Subaru bland is not included.		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group		VTYXV00.0D12		Evaporative/Refueling Family		--	
Models Covered by this Certificate							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Toyota Motor Corporation	1 - TOYOTA	210 - bZ	Federal	2-Wheel Drive, Front	Automatic	1	No
Toyota Motor Corporation	2 - LEXUS	35 - ES 350e(19inch Wheels)	Federal	2-Wheel Drive, Front	Automatic	1	No
Toyota Motor Corporation	1 - TOYOTA	212 - bZ LIMITED	California + CAA Section 177 states	2-Wheel Drive, Front	Automatic	1	No
Toyota Motor Corporation	1 - TOYOTA	210 - bZ	California + CAA Section 177 states	2-Wheel Drive, Front	Automatic	1	No
Toyota Motor Corporation	2 - LEXUS	35 - ES 350e(19inch Wheels)	California + CAA Section 177 states	2-Wheel Drive, Front	Automatic	1	No
Subaru Corporation	1 - Subaru	410 - UNCHARTED	California + CAA Section 177 states	2-Wheel Drive, Front	Automatic	1	No
Subaru Corporation	1 - Subaru	44 - SOLTERRA	California + CAA Section 177 states	2-Wheel Drive, Front	Automatic	1	No
Subaru Corporation	1 - Subaru	410 - UNCHARTED	Federal	2-Wheel Drive, Front	Automatic	1	No
Subaru Corporation	1 - Subaru	400 - TRAILSEEKER	Federal	2-Wheel Drive, Front	Automatic	1	No
Subaru Corporation	1 - Subaru	400 - TRAILSEEKER	California + CAA Section 177 states	2-Wheel Drive, Front	Automatic	1	No
Subaru Corporation	1 - Subaru	44 - SOLTERRA	Federal	2-Wheel Drive, Front	Automatic	1	No
Toyota Motor Corporation	1 - TOYOTA	212 - bZ LIMITED	Federal	2-Wheel Drive, Front	Automatic	1	No
Toyota Motor Corporation	2 - LEXUS	36 - ES 350e(21inch Wheels)	California + CAA Section 177 states	2-Wheel Drive, Front	Automatic	1	No
Toyota Motor Corporation	2 - LEXUS	36 - ES 350e(21inch Wheels)	Federal	2-Wheel Drive, Front	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		--					

Certification Summary Information Report

Test Group		VTYXV00.0D12				Evaporative/Refueling Family			--		
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		--	--	--	--	--	--	--	--	--	--
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		391				Battery Energy Capacity			191		
Battery Specific Energy		164				Battery Charger Type			On-Board		
Number of Capacitors		--				Capacitor Rating (In Farads)			--		
Mfr Capacitor Comments		--									
Hydraulic System Description		--									
Regenerative Braking Type		Electrical Regen Brake									
Regenerative Braking Source		Front Wheels				Driver Controlled Regenerative Braking			Yes		
Mfr Regenerative Braking Description		--									
Drive Motor(s)/Generator(s)		1									
Motor/Generator Type 1		AC Synchronous				Rated Motor/Generator Power			167		
Mfr Fuel Cell Description		--									
Fuel Cell On-Board H2 Storage Capacity (kg)		--				Usable H2 Fill Capacity (kg)			--		
Mfr Hybrid Electric/ Electric Vehicle Comments		--									

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--
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Emission Data Vehicle Information

Vehicle ID / Configuration	26-XA2E / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	TTYXT00.0D14	Original Evaporative/Refueling Family	--
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	TOYOTA	Represented Test Vehicle Model	bZ
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Leak Family Details

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

Drive Source and Fuel#	Drive Source	Fuel
1	Electric Motor	Electricity

Hybrid Indicator	No	Multiple Fuel Combustion	--
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes
Fuel Cell Indicator	No	Rechargeable Energy Storage System, if 'Other'	--
Rechargeable Energy Storage System	Battery(s)		
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	0	Odometer Correction Factor	1
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	01	Rated Horsepower	98
Displacement (liters)	0.001		
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--
Charge Air Cooler Type	N/A	Drive Mode While Testing	2-Wheel Drive, Front
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	4190	Equivalent Test Weight (pounds)	4500
GVWR (lbs)	5435	N/V Ratio	0
Axle Ratio	0		
Transmission Type	Automatic	# of Transmission Gears	1
Transmission Lockup	No	Creeper Gear	No

Dynamometer Coefficients:

Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	22.182	0.30225	0.015609	10.295	0.00348	0.018355	10.2

Emission Control Device Comments

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Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--
Test #	TTYX10089381	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/11/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Toyota Motor Corporation		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2379	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	80.4735
Charge Depleting Range (Calculated miles)	491.939	Charge Depleting Range (Actual miles)	491.939
Charge Depleting Range Highway (Calculated miles)	408.909	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	491.939
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)		7.4489449	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		0.15	
Drive Trace Energy Economy Rating		-0.15	
Drive Trace Inertia Work Ratio Rating		0.25	
Integrated DC KW-HRS		1.2215072	
Manufacturer Fuel Economy		16.3983918	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.252707</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.49</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.85</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.7962878</td></tr><tr><td>Manufacturer Fuel Economy</td><td>17.5201318</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.252707	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.49	Drive Trace Energy Economy Rating	0	Drive Trace Inertia Work Ratio Rating	1.85	Integrated DC KW-HRS	1.7962878	Manufacturer Fuel Economy	17.5201318		
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Drive Trace Energy Economy Rating	0																		
Drive Trace Inertia Work Ratio Rating	1.85																		
Integrated DC KW-HRS	1.7962878																		
Manufacturer Fuel Economy	17.5201318																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.4433506</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.34</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.13</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.85</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.0869212</td></tr><tr><td>Manufacturer Fuel Economy</td><td>14.6025802</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.4433506	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.34	Drive Trace Energy Economy Rating	-0.13	Drive Trace Inertia Work Ratio Rating	0.85	Integrated DC KW-HRS	1.0869212	Manufacturer Fuel Economy	14.6025802		
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Drive Trace Energy Economy Rating	-0.13																		
Drive Trace Inertia Work Ratio Rating	0.85																		
Integrated DC KW-HRS	1.0869212																		
Manufacturer Fuel Economy	14.6025802																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>34.8161774</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0</td></tr><tr><td>Integrated DC KW-HRS</td><td>8.2449215</td></tr><tr><td>Manufacturer Fuel Economy</td><td>23.6812944</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	34.8161774	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0	Drive Trace Energy Economy Rating	0	Drive Trace Inertia Work Ratio Rating	0	Integrated DC KW-HRS	8.2449215	Manufacturer Fuel Economy	23.6812944		
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Manufacturer Fuel Economy	23.6812944																		
Manufacturer Test Comments																			
--																			

Certification Summary Information Report

Test Group	VTYXV00.0D12		Evaporative/Refueling Family	--						
Emission Data Vehicle Information										
Vehicle ID / Configuration	26-XA2E / 1		Manufacturer Vehicle Configuration Number	1						
Original Test Group Name	TTYXT00.0D14		Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2026									
Vehicle Model										
Represented Test Vehicle Make	TOYOTA		Represented Test Vehicle Model	bZ Limited						
Leak Family Details										
Leak Family Identifier	--		Leak Family Name	--						
Drive Sources and Fuel System Details										
<table border="1"> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> <tr> <td>1</td> <td>Electric Motor</td> <td>Electricity</td> </tr> </table>					Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity
Drive Source and Fuel#	Drive Source	Fuel								
1	Electric Motor	Electricity								
Hybrid Indicator	No		Multiple Fuel Combustion	--						
Multiple Fuel Storage	--		Rechargeable Energy Storage System Indicator	Yes						
Fuel Cell Indicator	No		Rechargeable Energy Storage System, if 'Other'	--						
Rechargeable Energy Storage System	Battery(s)									
Off-board charge Capable Indicator	Yes									
Odometer Correction -- Initial	0		Odometer Correction Factor	1						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor									
Odometer Correction Units	Miles									
Engine Code	01		Rated Horsepower	98						
Displacement (liters)	0.001									
Air Aspiration Method	Naturally Aspirated		Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	--		Air Aspiration Device Configuration	--						
Charge Air Cooler Type	N/A		Drive Mode While Testing	2-Wheel Drive, Front						
Shift Indicator Light Usage	Not equipped		Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	4280		Equivalent Test Weight (pounds)	4500						
GVWR (lbs)	5435		N/V Ratio	0						
Axle Ratio	0									
Transmission Type	Automatic		# of Transmission Gears	1						
Transmission Lockup	No		Creep Gear	No						
Dynamometer Coefficients:										
Target Coefficients			Set Coefficients							
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients			
City/Highway/Evap	23.784	0.29309	0.016948	11.553	0.02569	0.019348	10.8			
Emission Control Device Comments		--								

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	Drive mode is Normal.		

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--
Test #	TTYX10089382	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/04/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Toyota Motor Corporation		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2069	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	80.35
Charge Depleting Range (Calculated miles)	468.877	Charge Depleting Range (Actual miles)	468.877
Charge Depleting Range Highway (Calculated miles)	385.571	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	468.877
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)		7.4437685	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		0.14	
Drive Trace Energy Economy Rating		-0.11	
Drive Trace Inertia Work Ratio Rating		0.35	
Integrated DC KW-HRS		1.2533636	
Manufacturer Fuel Economy		16.8377565	
Charge Depleting Bag/Phase #2			

Charge Depleting Bag/Phase #3

Charge Depleting Bag/Phase #4

Charge Depleting Bag/Phase #5

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.2540913</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>2.06</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.14</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.61</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.8940898</td></tr><tr><td>Manufacturer Fuel Economy</td><td>18.471552</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.2540913	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	2.06	Drive Trace Energy Economy Rating	0.14	Drive Trace Inertia Work Ratio Rating	2.61	Integrated DC KW-HRS	1.8940898	Manufacturer Fuel Economy	18.471552		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.2540913																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	2.06																		
Drive Trace Energy Economy Rating	0.14																		
Drive Trace Inertia Work Ratio Rating	2.61																		
Integrated DC KW-HRS	1.8940898																		
Manufacturer Fuel Economy	18.471552																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.4488498</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.77</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.47</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.26</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.1357796</td></tr><tr><td>Manufacturer Fuel Economy</td><td>15.247718</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.4488498	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.77	Drive Trace Energy Economy Rating	0.47	Drive Trace Inertia Work Ratio Rating	1.26	Integrated DC KW-HRS	1.1357796	Manufacturer Fuel Economy	15.247718		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.4488498																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.77																		
Drive Trace Energy Economy Rating	0.47																		
Drive Trace Inertia Work Ratio Rating	1.26																		
Integrated DC KW-HRS	1.1357796																		
Manufacturer Fuel Economy	15.247718																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>28.5422811</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0</td></tr><tr><td>Integrated DC KW-HRS</td><td>7.1783326</td></tr><tr><td>Manufacturer Fuel Economy</td><td>25.149821</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	28.5422811	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0	Drive Trace Energy Economy Rating	0	Drive Trace Inertia Work Ratio Rating	0	Integrated DC KW-HRS	7.1783326	Manufacturer Fuel Economy	25.149821		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	28.5422811																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0																		
Drive Trace Energy Economy Rating	0																		
Drive Trace Inertia Work Ratio Rating	0																		
Integrated DC KW-HRS	7.1783326																		
Manufacturer Fuel Economy	25.149821																		
Manufacturer Test Comments																			
--																			

Certification Summary Information Report

Test Group	VTYXV00.0D12		Evaporative/Refueling Family	--						
Emission Data Vehicle Information										
Vehicle ID / Configuration	26-XA2E / 2		Manufacturer Vehicle Configuration Number	2						
Original Test Group Name	TTYXT00.0D14		Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2026									
Vehicle Model										
Represented Test Vehicle Make	SUBARU		Represented Test Vehicle Model	SOLTERRA						
Leak Family Details										
Leak Family Identifier	--		Leak Family Name	--						
Drive Sources and Fuel System Details										
	<table border="1"> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> <tr> <td>1</td> <td>Electric Motor</td> <td>Electricity</td> </tr> </table>		Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity		
Drive Source and Fuel#	Drive Source	Fuel								
1	Electric Motor	Electricity								
Hybrid Indicator	No		Multiple Fuel Combustion	--						
Multiple Fuel Storage	--		Rechargeable Energy Storage System Indicator	Yes						
Fuel Cell Indicator	No		Rechargeable Energy Storage System, if 'Other'	--						
Rechargeable Energy Storage System	Battery(s)									
Off-board charge Capable Indicator	Yes									
Odometer Correction -- Initial	0		Odometer Correction Factor	1						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor									
Odometer Correction Units	Miles									
Engine Code	02		Rated Horsepower	98						
Displacement (liters)	0.001									
Air Aspiration Method	Naturally Aspirated		Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	--		Air Aspiration Device Configuration	--						
Charge Air Cooler Type	N/A		Drive Mode While Testing	2-Wheel Drive, Front						
Shift Indicator Light Usage	Not equipped		Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	4190		Equivalent Test Weight (pounds)	4500						
GVWR (lbs)	5435		N/V Ratio	0						
Axle Ratio	0									
Transmission Type	Automatic		# of Transmission Gears	1						
Transmission Lockup	No		Creep Gear	No						
Dynamometer Coefficients:										
	Target Coefficients			Set Coefficients						
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients						
City/Highway/Evap	22.17	0.30319	0.015446	10.1						
Emission Control Device Comments	--									

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Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--
Test #	TTYX10089384	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/12/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Toyota Motor Corporation		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2701	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	80.6925
Charge Depleting Range (Calculated miles)	488.061	Charge Depleting Range (Actual miles)	488.061
Charge Depleting Range Highway (Calculated miles)	409.98	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	488.061
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)		7.4575086	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		0.34	
Drive Trace Energy Economy Rating		0.15	
Drive Trace Inertia Work Ratio Rating		0.77	
Integrated DC KW-HRS		1.204629	
Manufacturer Fuel Economy		16.1532371	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.2528967</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>2.65</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.14</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>3.31</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.8088456</td></tr><tr><td>Manufacturer Fuel Economy</td><td>17.6422881</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.2528967	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	2.65	Drive Trace Energy Economy Rating	0.14	Drive Trace Inertia Work Ratio Rating	3.31	Integrated DC KW-HRS	1.8088456	Manufacturer Fuel Economy	17.6422881		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.2528967																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	2.65																		
Drive Trace Energy Economy Rating	0.14																		
Drive Trace Inertia Work Ratio Rating	3.31																		
Integrated DC KW-HRS	1.8088456																		
Manufacturer Fuel Economy	17.6422881																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.4466122</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.38</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.23</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.79</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.0988808</td></tr><tr><td>Manufacturer Fuel Economy</td><td>14.7567886</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.4466122	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.38	Drive Trace Energy Economy Rating	0.23	Drive Trace Inertia Work Ratio Rating	0.79	Integrated DC KW-HRS	1.0988808	Manufacturer Fuel Economy	14.7567886		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.4466122																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.38																		
Drive Trace Energy Economy Rating	0.23																		
Drive Trace Inertia Work Ratio Rating	0.79																		
Integrated DC KW-HRS	1.0988808																		
Manufacturer Fuel Economy	14.7567886																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>34.243046</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0</td></tr><tr><td>Integrated DC KW-HRS</td><td>8.2229696</td></tr><tr><td>Manufacturer Fuel Economy</td><td>24.0135459</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	34.243046	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0	Drive Trace Energy Economy Rating	0	Drive Trace Inertia Work Ratio Rating	0	Integrated DC KW-HRS	8.2229696	Manufacturer Fuel Economy	24.0135459		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	34.243046																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0																		
Drive Trace Energy Economy Rating	0																		
Drive Trace Inertia Work Ratio Rating	0																		
Integrated DC KW-HRS	8.2229696																		
Manufacturer Fuel Economy	24.0135459																		
Manufacturer Test Comments																			
--																			

Certification Summary Information Report

Test Group	VTYXV00.0D12		Evaporative/Refueling Family	--						
Emission Data Vehicle Information										
Vehicle ID / Configuration	26-XE1E / 0		Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TTYXT00.0D12		Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2026									
Vehicle Model										
Represented Test Vehicle Make	SUBARU		Represented Test Vehicle Model	TRAILSEEKER						
Leak Family Details										
Leak Family Identifier	--		Leak Family Name	--						
Drive Sources and Fuel System Details										
<table border="1"> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> <tr> <td>1</td> <td>Electric Motor</td> <td>Electricity</td> </tr> </table>					Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity
Drive Source and Fuel#	Drive Source	Fuel								
1	Electric Motor	Electricity								
Hybrid Indicator	No		Multiple Fuel Combustion	--						
Multiple Fuel Storage	--		Rechargeable Energy Storage System Indicator	Yes						
Fuel Cell Indicator	No		Rechargeable Energy Storage System, if 'Other'	--						
Rechargeable Energy Storage System	Battery(s)									
Off-board charge Capable Indicator	Yes									
Odometer Correction -- Initial	0		Odometer Correction Factor	1						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor									
Odometer Correction Units	Miles									
Engine Code	01		Rated Horsepower	86						
Displacement (liters)	0.001									
Air Aspiration Method	Naturally Aspirated		Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	--		Air Aspiration Device Configuration	--						
Charge Air Cooler Type	N/A		Drive Mode While Testing	2-Wheel Drive, Front						
Shift Indicator Light Usage	Not equipped		Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	4225		Equivalent Test Weight (pounds)	4500						
GVWR (lbs)	5435		N/V Ratio	0						
Axle Ratio	0									
Transmission Type	Automatic		# of Transmission Gears	1						
Transmission Lockup	No		Creep Gear	No						
Dynamometer Coefficients:										
Target Coefficients			Set Coefficients							
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients						
City/Highway/Evap	26.104	0.26383	0.015976	10.6						
Emission Control Device Comments										
--										

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	Drive mode is Normal.		

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--
Test #	TTYX10091576	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	07/17/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Toyota Motor Corporation		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2126	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	80.7481
Charge Depleting Range (Calculated miles)	480.248	Charge Depleting Range (Actual miles)	480.248
Charge Depleting Range Highway (Calculated miles)	400.822	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	480.248
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)		7.4557499	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		0.48	
Drive Trace Energy Economy Rating		-0.05	
Drive Trace Inertia Work Ratio Rating		0.77	
Integrated DC KW-HRS		1.2321171	
Manufacturer Fuel Economy		16.5257304	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.2564996</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.21</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.05</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.64</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.8501417</td></tr><tr><td>Manufacturer Fuel Economy</td><td>18.0387244</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.2564996	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.21	Drive Trace Energy Economy Rating	-0.05	Drive Trace Inertia Work Ratio Rating	1.64	Integrated DC KW-HRS	1.8501417	Manufacturer Fuel Economy	18.0387244		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.2564996																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.21																		
Drive Trace Energy Economy Rating	-0.05																		
Drive Trace Inertia Work Ratio Rating	1.64																		
Integrated DC KW-HRS	1.8501417																		
Manufacturer Fuel Economy	18.0387244																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.4512391</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.57</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.15</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.91</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.1261271</td></tr><tr><td>Manufacturer Fuel Economy</td><td>15.1132867</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.4512391	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.57	Drive Trace Energy Economy Rating	0.15	Drive Trace Inertia Work Ratio Rating	0.91	Integrated DC KW-HRS	1.1261271	Manufacturer Fuel Economy	15.1132867		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.4512391																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.57																		
Drive Trace Energy Economy Rating	0.15																		
Drive Trace Inertia Work Ratio Rating	0.91																		
Integrated DC KW-HRS	1.1261271																		
Manufacturer Fuel Economy	15.1132867																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>34.1101168</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0</td></tr><tr><td>Integrated DC KW-HRS</td><td>8.2618659</td></tr><tr><td>Manufacturer Fuel Economy</td><td>24.2211599</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	34.1101168	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0	Drive Trace Energy Economy Rating	0	Drive Trace Inertia Work Ratio Rating	0	Integrated DC KW-HRS	8.2618659	Manufacturer Fuel Economy	24.2211599		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	34.1101168																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0																		
Drive Trace Energy Economy Rating	0																		
Drive Trace Inertia Work Ratio Rating	0																		
Integrated DC KW-HRS	8.2618659																		
Manufacturer Fuel Economy	24.2211599																		
Manufacturer Test Comments		To avoid system rejection, we are substituting the value of EPA-Calculated UDDS Range (TI-76) into the Manufacturer-Calculated Charge Depleting Range (Calculated Miles) (TI-18.6.1). This will be corrected later.																	

Certification Summary Information Report

Test Group	VTYXV00.0D12		Evaporative/Refueling Family	--						
Emission Data Vehicle Information										
Vehicle ID / Configuration	26-XK2E / 0		Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TTYXT00.0D14		Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2026									
Vehicle Model										
Represented Test Vehicle Make	SUBARU		Represented Test Vehicle Model	UNCHARTED						
Leak Family Details										
Leak Family Identifier	--		Leak Family Name	--						
Drive Sources and Fuel System Details										
	<table border="1"> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> <tr> <td>1</td> <td>Electric Motor</td> <td>Electricity</td> </tr> </table>		Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity		
Drive Source and Fuel#	Drive Source	Fuel								
1	Electric Motor	Electricity								
Hybrid Indicator	No		Multiple Fuel Combustion	--						
Multiple Fuel Storage	--		Rechargeable Energy Storage System Indicator	Yes						
Fuel Cell Indicator	No		Rechargeable Energy Storage System, if 'Other'	--						
Rechargeable Energy Storage System	Battery(s)									
Off-board charge Capable Indicator	Yes									
Odometer Correction -- Initial	0		Odometer Correction Factor	1						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor									
Odometer Correction Units	Miles									
Engine Code	03		Rated Horsepower	86						
Displacement (liters)	0.001									
Air Aspiration Method	Naturally Aspirated		Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	--		Air Aspiration Device Configuration	--						
Charge Air Cooler Type	N/A		Drive Mode While Testing	2-Wheel Drive, Front						
Shift Indicator Light Usage	Not equipped		Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	4145		Equivalent Test Weight (pounds)	4500						
GVWR (lbs)	5435		N/V Ratio	0						
Axle Ratio	0									
Transmission Type	Automatic		# of Transmission Gears	1						
Transmission Lockup	No		Creep Gear	No						
Dynamometer Coefficients:										
	Target Coefficients			Set Coefficients						
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients						
City/Highway/Evap	27.359	0.17619	0.016319	10.3						
Emission Control Device Comments	--									

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Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--
Test #	TTYX10091830	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	08/06/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Toyota Motor Corporation		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2029	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	80.9362
Charge Depleting Range (Calculated miles)	489.222	Charge Depleting Range (Actual miles)	489.222
Charge Depleting Range Highway (Calculated miles)	410.786	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	489.222
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)		7.4508269	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		0.32	
Drive Trace Energy Economy Rating		0.06	
Drive Trace Inertia Work Ratio Rating		0.54	
Integrated DC KW-HRS		1.2219788	
Manufacturer Fuel Economy		16.4005794	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.2625921</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.57</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.02</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.99</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.8017204</td></tr><tr><td>Manufacturer Fuel Economy</td><td>17.5561919</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.2625921	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.57	Drive Trace Energy Economy Rating	0.02	Drive Trace Inertia Work Ratio Rating	1.99	Integrated DC KW-HRS	1.8017204	Manufacturer Fuel Economy	17.5561919		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.2625921																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.57																		
Drive Trace Energy Economy Rating	0.02																		
Drive Trace Inertia Work Ratio Rating	1.99																		
Integrated DC KW-HRS	1.8017204																		
Manufacturer Fuel Economy	17.5561919																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.4582981</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.37</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.21</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.53</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.1065555</td></tr><tr><td>Manufacturer Fuel Economy</td><td>14.8365687</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.4582981	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.37	Drive Trace Energy Economy Rating	-0.21	Drive Trace Inertia Work Ratio Rating	0.53	Integrated DC KW-HRS	1.1065555	Manufacturer Fuel Economy	14.8365687		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.4582981																		
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Integrated DC KW-HRS	1.1065555																		
Manufacturer Fuel Economy	14.8365687																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>35.1803379</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0</td></tr><tr><td>Integrated DC KW-HRS</td><td>8.2426614</td></tr><tr><td>Manufacturer Fuel Economy</td><td>23.4297392</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	35.1803379	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0	Drive Trace Energy Economy Rating	0	Drive Trace Inertia Work Ratio Rating	0	Integrated DC KW-HRS	8.2426614	Manufacturer Fuel Economy	23.4297392		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	35.1803379																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0																		
Drive Trace Energy Economy Rating	0																		
Drive Trace Inertia Work Ratio Rating	0																		
Integrated DC KW-HRS	8.2426614																		
Manufacturer Fuel Economy	23.4297392																		
Manufacturer Test Comments																			
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Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	--		

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--																
Test #	TTYX10092239	Test Procedure	77 - Multi-Cycle Test (MCT)																
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity																
Test Date	09/01/2025	Fuel	N/A																
Fuel Batch ID	--	Fuel Calibration Number	--																
Vehicle Class	N/A	DF Type	Mfr. Determined																
Verify Test Lab ID	Toyota Motor Corporation																		
E10 Evaporative Test Measurement Method	--																		
Test Start Odometer Reading	2028	Odometer Units	M																
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--																
State of Charge Delta	No																		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes																
PHEV/EV Charge Depleting Test Information																			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	80.966																
Charge Depleting Range (Calculated miles)	468.368	Charge Depleting Range (Actual miles)	468.368																
Charge Depleting Range Highway (Calculated miles)	408.339	Derived 5-Cycle Coefficient Model Year	--																
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	468.368																
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--																
Charge Depleting Bag/Phase #1																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.4450776</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.65</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.21</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.18</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.3079205</td></tr><tr><td>Manufacturer Fuel Economy</td><td>17.5675877</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.4450776	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.65	Drive Trace Energy Economy Rating	0.21	Drive Trace Inertia Work Ratio Rating	1.18	Integrated DC KW-HRS	1.3079205	Manufacturer Fuel Economy	17.5675877
Test Result/Emission Name	Unrounded Test Result																		
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Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.65																		
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Drive Trace Inertia Work Ratio Rating	1.18																		
Integrated DC KW-HRS	1.3079205																		
Manufacturer Fuel Economy	17.5675877																		
Charge Depleting Bag/Phase #2																			

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.2612972</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.46</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.32</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.95</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.8197324</td></tr><tr><td>Manufacturer Fuel Economy</td><td>17.7339413</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.2612972	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.46	Drive Trace Energy Economy Rating	0.32	Drive Trace Inertia Work Ratio Rating	1.95	Integrated DC KW-HRS	1.8197324	Manufacturer Fuel Economy	17.7339413		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.2612972																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.46																		
Drive Trace Energy Economy Rating	0.32																		
Drive Trace Inertia Work Ratio Rating	1.95																		
Integrated DC KW-HRS	1.8197324																		
Manufacturer Fuel Economy	17.7339413																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.4534388</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.74</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.39</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.43</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.1566287</td></tr><tr><td>Manufacturer Fuel Economy</td><td>15.5180547</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.4534388	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.74	Drive Trace Energy Economy Rating	0.39	Drive Trace Inertia Work Ratio Rating	1.43	Integrated DC KW-HRS	1.1566287	Manufacturer Fuel Economy	15.5180547		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.4534388																		
Carbon-Related Exhaust Emissions	0																		
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Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>33.4744461</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0</td></tr><tr><td>Integrated DC KW-HRS</td><td>7.8458228</td></tr><tr><td>Manufacturer Fuel Economy</td><td>23.4382454</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	33.4744461	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0	Drive Trace Energy Economy Rating	0	Drive Trace Inertia Work Ratio Rating	0	Integrated DC KW-HRS	7.8458228	Manufacturer Fuel Economy	23.4382454		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	33.4744461																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0																		
Drive Trace Energy Economy Rating	0																		
Drive Trace Inertia Work Ratio Rating	0																		
Integrated DC KW-HRS	7.8458228																		
Manufacturer Fuel Economy	23.4382454																		
Manufacturer Test Comments																			
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Certification Summary Information Report

Test Group	VTYXV00.0D12		Evaporative/Refueling Family	--						
Emission Data Vehicle Information										
Vehicle ID / Configuration	26-XZ1E / 1		Manufacturer Vehicle Configuration Number	1						
Original Test Group Name	TTYXV00.0D12		Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2026									
Vehicle Model										
Represented Test Vehicle Make	LEXUS		Represented Test Vehicle Model	ES 350e (21inch Wheels)						
Leak Family Details										
Leak Family Identifier	--		Leak Family Name	--						
Drive Sources and Fuel System Details										
	<table border="1"> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> <tr> <td>1</td> <td>Electric Motor</td> <td>Electricity</td> </tr> </table>		Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity		
Drive Source and Fuel#	Drive Source	Fuel								
1	Electric Motor	Electricity								
Hybrid Indicator	No		Multiple Fuel Combustion	--						
Multiple Fuel Storage	--		Rechargeable Energy Storage System Indicator	Yes						
Fuel Cell Indicator	No		Rechargeable Energy Storage System, if 'Other'	--						
Rechargeable Energy Storage System	Battery(s)									
Off-board charge Capable Indicator	Yes									
Odometer Correction -- Initial	0		Odometer Correction Factor	1						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor									
Odometer Correction Units	Miles									
Engine Code	02		Rated Horsepower	86						
Displacement (liters)	0.001									
Air Aspiration Method	Naturally Aspirated		Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	--		Air Aspiration Device Configuration	--						
Charge Air Cooler Type	N/A		Drive Mode While Testing	4-Wheel Drive						
Shift Indicator Light Usage	Not equipped		Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	4690		Equivalent Test Weight (pounds)	5000						
GVWR (lbs)	--		N/V Ratio	0						
Axle Ratio	0									
Transmission Type	Automatic		# of Transmission Gears	1						
Transmission Lockup	No		Creep Gear	No						
Dynamometer Coefficients:										
	Target Coefficients			Set Coefficients						
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients						
City/Highway/Evap	30.288	0.25392	0.015475	10.9						
Emission Control Device Comments	--									

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	--		

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--
Test #	TTYX10092242	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	09/12/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Toyota Motor Corporation		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3188	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	80.8134
Charge Depleting Range (Calculated miles)	448.501	Charge Depleting Range (Actual miles)	448.501
Charge Depleting Range Highway (Calculated miles)	388.75	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	448.501
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)		7.451402	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		0.41	
Drive Trace Energy Economy Rating		0.21	
Drive Trace Inertia Work Ratio Rating		0.62	
Integrated DC KW-HRS		1.3212037	
Manufacturer Fuel Economy		17.7309416	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.2545085</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.96</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.2</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.49</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.9278652</td></tr><tr><td>Manufacturer Fuel Economy</td><td>18.8001716</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.2545085	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.96	Drive Trace Energy Economy Rating	0.2	Drive Trace Inertia Work Ratio Rating	2.49	Integrated DC KW-HRS	1.9278652	Manufacturer Fuel Economy	18.8001716		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.2545085																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.96																		
Drive Trace Energy Economy Rating	0.2																		
Drive Trace Inertia Work Ratio Rating	2.49																		
Integrated DC KW-HRS	1.9278652																		
Manufacturer Fuel Economy	18.8001716																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.4571555</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.7</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.35</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.29</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.2094639</td></tr><tr><td>Manufacturer Fuel Economy</td><td>16.2188372</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.4571555	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.7	Drive Trace Energy Economy Rating	0.35	Drive Trace Inertia Work Ratio Rating	1.29	Integrated DC KW-HRS	1.2094639	Manufacturer Fuel Economy	16.2188372		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.4571555																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.7																		
Drive Trace Energy Economy Rating	0.35																		
Drive Trace Inertia Work Ratio Rating	1.29																		
Integrated DC KW-HRS	1.2094639																		
Manufacturer Fuel Economy	16.2188372																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>32.2067456</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0</td></tr><tr><td>Integrated DC KW-HRS</td><td>8.0045196</td></tr><tr><td>Manufacturer Fuel Economy</td><td>24.8535498</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	32.2067456	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0	Drive Trace Energy Economy Rating	0	Drive Trace Inertia Work Ratio Rating	0	Integrated DC KW-HRS	8.0045196	Manufacturer Fuel Economy	24.8535498		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	32.2067456																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0																		
Drive Trace Energy Economy Rating	0																		
Drive Trace Inertia Work Ratio Rating	0																		
Integrated DC KW-HRS	8.0045196																		
Manufacturer Fuel Economy	24.8535498																		
Manufacturer Test Comments																			
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Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	TEST FOR CANADA.		

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--
Test #	TTYX10092241	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	09/17/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Toyota Motor Corporation		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3688	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	80.9439
Charge Depleting Range (Calculated miles)	456.985	Charge Depleting Range (Actual miles)	456.985
Charge Depleting Range Highway (Calculated miles)	399.95	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	456.985
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)		7.4458119	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		0.7	
Drive Trace Energy Economy Rating		0.35	
Drive Trace Inertia Work Ratio Rating		1.27	
Integrated DC KW-HRS		1.3326034	
Manufacturer Fuel Economy		17.8973555	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--
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Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.2557636
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	2.96
Drive Trace Energy Economy Rating	0.49
Drive Trace Inertia Work Ratio Rating	3.77
Integrated DC KW-HRS	1.9054795
Manufacturer Fuel Economy	18.5795963

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.4481956
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.42
Drive Trace Energy Economy Rating	0.12
Drive Trace Inertia Work Ratio Rating	0.79
Integrated DC KW-HRS	1.2151286
Manufacturer Fuel Economy	16.314403

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	238.2897246
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0
Drive Trace Energy Economy Rating	0
Drive Trace Inertia Work Ratio Rating	0
Integrated DC KW-HRS	56.6520586
Manufacturer Fuel Economy	23.7744446

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.4513718
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.05
Drive Trace Energy Economy Rating	0.8
Drive Trace Inertia Work Ratio Rating	1.69
Integrated DC KW-HRS	1.1827233
Manufacturer Fuel Economy	15.8725583

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	VTYXV00.0D12	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.2558738</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>2.98</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.46</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>4.06</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.8617847</td></tr><tr><td>Manufacturer Fuel Economy</td><td>18.1533502</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.2558738	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	2.98	Drive Trace Energy Economy Rating	0.46	Drive Trace Inertia Work Ratio Rating	4.06	Integrated DC KW-HRS	1.8617847	Manufacturer Fuel Economy	18.1533502
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Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.4433696</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.57</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.17</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.19</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.1860681</td></tr><tr><td>Manufacturer Fuel Economy</td><td>15.9345595</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.4433696	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.57	Drive Trace Energy Economy Rating	0.17	Drive Trace Inertia Work Ratio Rating	1.19	Integrated DC KW-HRS	1.1860681	Manufacturer Fuel Economy	15.9345595
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Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>33.8120407</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0</td></tr><tr><td>Integrated DC KW-HRS</td><td>8.120808</td></tr><tr><td>Manufacturer Fuel Economy</td><td>24.0175035</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	33.8120407	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0	Drive Trace Energy Economy Rating	0	Drive Trace Inertia Work Ratio Rating	0	Integrated DC KW-HRS	8.120808	Manufacturer Fuel Economy	24.0175035
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	33.8120407																		
Carbon-Related Exhaust Emissions	0																		
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Drive Trace Energy Economy Rating	0																		
Drive Trace Inertia Work Ratio Rating	0																		
Integrated DC KW-HRS	8.120808																		
Manufacturer Fuel Economy	24.0175035																		
Manufacturer Test Comments	--																		
Fuel Properties																			

Certification Summary Information Report

Test Group		VTYXV00.0D12			Evaporative/Refueling Family			--	
Consolidated List of Standards									
Exhaust Standards									
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 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	CREE	--	--	--	--	--	--	0	999.9999
150,000 miles	MFR FE	--	--	--	--	--	--	0	999.9999
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			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	MFR FE	--	--	--	--	--	--	--	999.9999
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 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	CREE	--	--	--	--	--	--	0	999.9999
150,000 miles	MFR FE	--	--	--	--	--	--	--	999.9999
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			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	MFR FE	--	--	--	--	--	--	0	999.9999

Certification Summary Information Report

Test Group		VTYXV00.0D12			Evaporative/Refueling Family			--	
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 0	
Fuel		Electricity			Test Procedure			Federal fuel 3-day exhaust	
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	0.0
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			California fuel 3-day exhaust	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	--	0.0

Certification Summary Information Report

Test Group		VTYXV00.0D12	Evaporative/Refueling Family		--
Glossary					
Useful Life					
4	4,000 miles		120	120,000 miles	
50	50,000 miles		150	150,000 miles	
100	100,000 miles				
Emission Name					
HC-TOTAL	Total Hydrocarbon		COMB-CREE	Combined Carbon-Related Exhaust Emissions	
CO	Carbon Monoxide		COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions	
CO2	Carbon dioxide		HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only	
CREE	Carbon-Related Exhaust Emissions		METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only	
OPT-CREE	Optional Carbon-Related Exhaust Emissions		N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only	
NOX	Nitrogen Oxide		LEAK-DIA	Effective Leak Diameter (inches)	
PM	Particulate Matter		LEAK-GAS CAP	Gas Cap Leakage (cc/min)	
PM-COMP	SFTP Composite Particulate Matter		CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only	
HC-NM	Non-methane Hydrocarbon		KW-HRS	Integrated DC KW-HRS	
OMHCE	Organic material Hydrocarbon Equivalent		CH4 BAG 1	Bag 1 Methane	
OMNMHCE	Organic material non-methane HC equivalent		CH4 BAG 2	Bag 2 Methane	
NMOG	Non-methane organic gases		CH4 BAG 3	Bag 3 Methane	
HCHO	Formaldehyde		CH4 BAG 4	Bag 4 Methane	
H3C2HO	Acetaldehyde		CO BAG 1	Bag 1 Carbon Monoxide	
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03		CO BAG 2	Bag 2 Carbon Monoxide	
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides		CO BAG 3	Bag 3 Carbon Monoxide	
CO-COMP	SFTP Composite Carbon Monoxide		CO BAG 4	Bag 4 Carbon Monoxide	
ETHANOL	C2H5OH - Ethanol		NMOG BAG 1	Bag 1 Non-methane organic gases	
FE BAG 1	Bag 1 Fuel Economy		NMOG BAG 2	Bag 2 Non-methane organic gases	
FE BAG 2	Bag 2 Fuel Economy		NMOG BAG 3	Bag 3 Non-methane organic gases	
FE BAG 3	Bag 3 Fuel Economy		NMOG BAG 4	Bag 4 Non-methane organic gases	
FE BAG 4	Bag 4 Fuel Economy		ACT-DISTANCE BAG 1	Bag 1 Actual Distance	
MFR FE	Manufacturer Fuel Economy		ACT-DISTANCE BAG 2	Bag 2 Actual Distance	
HC	Hydrocarbon for Running Loss and ORVR		ACT-DISTANCE BAG 3	Bag 3 Actual Distance	
METHANE	CH4 - Methane		ACT-DISTANCE BAG 4	Bag 4 Actual Distance	
METHANOL	CH3OH - Methanol		HC-TOTAL BAG 1	Bag 1 Total Hydrocarbon	
N2O	Nitrous Oxide		HC-TOTAL BAG 2	Bag 2 Total Hydrocarbon	
SPITBACK	Spitback Hydrocarbon in grams		HC-TOTAL BAG 3	Bag 3 Total Hydrocarbon	
AMP-HRS	Integrated Amp-hours		HC-TOTAL BAG 4	Bag 4 Total Hydrocarbon	
START-SOC	System Start State of Charge Watt-hours		WATT-HRS BAG 1	Bag 1 Watt Hours	
END-SOC	System End State of Charge Watt-hours		WATT-HRS BAG 2	Bag 2 Watt Hours	

Certification Summary Information Report

Test Group		VTYXV00.0D12	Evaporative/Refueling Family		--
ACT-DISTANCE	Actual Distance Driven (miles)		WATT-HRS BAG 3	Bag 3 Watt Hours	
AS-VOLT	Average System Voltage		WATT-HRS BAG 4	Bag 4 Watt Hours	
CO2 BAG 1	Bag 1 Carbon Dioxide		WATT-HRS	Watt Hours	
CO2 BAG 2	Bag 2 Carbon Dioxide		HC-NM BAG 1	Bag 1 Non-methane Hydrocarbon	
CO2 BAG 3	Bag 3 Carbon Dioxide		HC-NM BAG 2	Bag 2 Non-methane Hydrocarbon	
CO2 BAG 4	Bag 4 Carbon Dioxide		HC-NM BAG 3	Bag 3 Non-methane Hydrocarbon	
NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides		HC-NM BAG 4	Bag 4 Non-methane Hydrocarbon	
NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides		N2O BAG 1	Bag 1 Nitrous Oxide	
DT-IWRR	Drive Trace Inertia Work Ratio Rating		N2O BAG 2	Bag 2 Nitrous Oxide	
DT-ASCR	Drive Trace Absolute Speed Change Rating		N2O BAG 3	Bag 3 Nitrous Oxide	
DT-EER	Drive Trace Energy Economy Rating		N2O BAG 4	Bag 4 Nitrous Oxide	
Certification Region					
CA	California + CAA Section 177 states		FA	Federal	
Exhaust Emission Standard Level					
B1	Federal Tier 2 Bin 1		HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340	
B2	Federal Tier 2 Bin 2		HDV2B250	Federal Tier 3 HD Class 2b Bin 250	
B3	Federal Tier 2 Bin 3		HDV2B200	Federal Tier 3 HD Class 2b Bin 200	
B4	Federal Tier 2 Bin 4		HDV2B170	Federal Tier 3 HD Class 2b Bin 170	
B5	Federal Tier 2 Bin 5		HDV2B150	Federal Tier 3 HD Class 2b Bin 150	
B6	Federal Tier 2 Bin 6		HDV2B0	Federal Tier 3 HD Class 2b Bin 0	
B7	Federal Tier 2 Bin 7		HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630	
B8	Federal Tier 2 Bin 8		HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570	
B9	Federal Tier 2 Bin 9		HDV3B400	Federal Tier 3 HD Class 3 Bin 400	
B10	Federal Tier 2 Bin 10		HDV3B270	Federal Tier 3 HD Class 3 Bin 270	
B11	Federal Tier 2 Bin 11		HDV3B230	Federal Tier 3 HD Class 3 Bin 230	
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)		HDV3B200	Federal Tier 3 HD Class 3 Bin 200	
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)		HDV3B0	Federal Tier 3 HD Class 3 Bin 0	
L2	California LEV-II LEV		L4SULEV100	California LEV-IV SULEV100	
L2OP	California LEV-II LEV Optional		L4SULEV125	California LEV-IV SULEV125	
U2	California LEV-II ULEV		L4SULEV15	California LEV-IV SULEV15	
S2	California LEV-II SULEV		L4SULEV150	California LEV-IV SULEV150	
ZEV	California ZEV		L4SULEV170	California LEV-IV SULEV170	
OT	Other		L4SULEV175	California LEV-IV SULEV175	
T1	Federal Tier 1		L4SULEV20	California LEV-IV SULEV20	
PZEV	California PZEV		L4SULEV200	California LEV-IV SULEV200	
L2LEV160	California LEV-II LEV160		L4SULEV230	California LEV-IV SULEV230	
L2ULEV125	California LEV-II ULEV125		L4SULEV25	California LEV-IV SULEV25	
L2SULEV30	California LEV-II SULEV30		L4SULEV30	California LEV-IV SULEV30	
L2LEV395	California LEV-II LEV395		L4SULEV75	California LEV-IV SULEV75	

Certification Summary Information Report

Test Group		VTYXV00.0D12	Evaporative/Refueling Family		--
L2ULEV340	California LEV-II ULEV340		L4SULEV85	California LEV-IV SULEV85	
L2LEV630	California LEV-II LEV630		L4ULEV125	California LEV-IV ULEV125	
L2ULEV570	California LEV-II ULEV570		L4ULEV200	California LEV-IV ULEV200	
L3LEV160	California LEV-III LEV160		L4ULEV250	California LEV-IV ULEV250	
L3ULEV125	California LEV-III ULEV125		L4ULEV270	California LEV-IV ULEV270	
L3ULEV70	California LEV-III ULEV70		L4ULEV40	California LEV-IV ULEV40	
L3ULEV50	California LEV-III ULEV50		L4ULEV400	California LEV-IV ULEV400	
L3SULEV30	California LEV-III SULEV30		L4ULEV50	California LEV-IV ULEV50	
L3SULEV20	California LEV-III SULEV20		L4ULEV60	California LEV-IV ULEV60	
L3LEV395	California LEV-III LEV395		L4ULEV70	California LEV-IV ULEV70	
L3ULEV340	California LEV-III ULEV340		T4B170	Federal Tier 4 MDV Bin 170	
L3ULEV250	California LEV-III ULEV250		T4B150	Federal Tier 4 MDV Bin 150	
L3ULEV200	California LEV-III ULEV200		T4B125	Federal Tier 4 MDV Bin 125	
L3SULEV170	California LEV-III SULEV170		T4B100	Federal Tier 4 MDV Bin 100	
L3SULEV150	California LEV-III SULEV150		T4B85	Federal Tier 4 MDV Bin 85	
L3LEV630	California LEV-III LEV630		T4B75	Federal Tier 4 MDV Bin 75	
L3ULEV570	California LEV-III ULEV570		T4B70	Federal Tier 4 Bin 70	
L3ULEV400	California LEV-III ULEV400		T4B65	Federal Tier 4 Bin 65	
L3ULEV270	California LEV-III ULEV270		T4B60	Federal Tier 4 Bin 60	
L3SULEV230	California LEV-III SULEV230		T4B55	Federal Tier 4 Bin 55	
L3SULEV200	California LEV-III SULEV200		T4B50	Federal Tier 4 Bin 50	
T3B160	Federal Tier 3 Bin 160		T4B45	Federal Tier 4 Bin 45	
T3B125	Federal Tier 3 Bin 125		T4B40	Federal Tier 4 Bin 40	
T3B110	Federal Tier 3 Transitional Bin 110		T4B35	Federal Tier 4 Bin 35	
T3B85	Federal Tier 3 Transitional Bin 85		T4B30	Federal Tier 4 Bin 30	
T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover		T4B25	Federal Tier 4 Bin 25	
T3B70	Federal Tier 3 Bin 70		T4B20	Federal Tier 4 Bin 20	
T3B50	Federal Tier 3 Bin 50		T4B15	Federal Tier 4 Bin 15	
T3B30	Federal Tier 3 Bin 30		T4B10	Federal Tier 4 Bin 10	
T3B20	Federal Tier 3 Bin 20		T4B5	Federal Tier 4 Bin 5	
T3B0	Federal Tier 3 Bin 0		T4B0	Federal Tier 4 Bin 0	
HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395				
Transmission Type Code					
AMS	Automated Manual- Selectable (e.g. Automated Manual with paddles)	M	Manual		
A	Automatic	OT	Other		
AM	Automated Manual	SA	Semi-Automatic		
CVT	Continuously Variable	SCV	Selectable Continuously Variable (e.g. CVT with paddles)		
Drive System Code					
4	4-Wheel Drive	P	Part-time 4-Wheel Drive		

Certification Summary Information Report

Test Group		VTYXV00.0D12		Evaporative/Refueling Family		--	
F	2-Wheel Drive, Front			A	All Wheel Drive		
R	2-Wheel Drive, Rear						
Additional Terms and Acronyms							
AFC	Alternative Fuel Converter			ICI	Independent Commercial Importer		
CSI	Certificate Summary Information			ORVR	Onboard Refueling Vapor Recovery		
DF	Deterioration Factor			SIL	Shift Indicator Light		
Evap	Evaporation, Evaporative			Trans	Transmission		

17 California Requirements

17.1 Statement of Compliance

17.1.1 General statement

The production vehicles which are subject to registration or sale in the state of California will be, in all material respects, substantially the same in construction as the test vehicles which are certified by the California Air Resources Board, and will meet all the applicable vehicle emission standards which are set forth by the California Air Resources Board in accordance with Section 43101 of the Health and Safety Code.

17.1.2 Driveability Statement

In accordance with "California Exhaust Emission Standards and Test Procedures for 1988 And Subsequent Model Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles, 11.e." as amended August 5, 1999, Toyota certifies that its production vehicles covered by the certificate for the applicable model year have driveability and performance characteristics which satisfy the manufacturer's specific driveability and performance requirements. This statement is based on driveability data and other evidence showing compliance with the manufacturer's in-house performance criteria which, we believe, assures elimination of one of the major causes of wide-spread tampering with the emission control systems.

17.2 Supplemental Data and Certification Review Sheet

E.O.#. _____ Page _____

2027MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLESManufacturer: TOYOTA Test Group: VTYXV00.0D12Vehicle Class(es): PC X, LDT1 (0-3750 lbs. LVW) _____, LDT2 ($\geq$ 3,751 lbs. LVW) _____,
MDV6 (8,500-10,000 lbs. GVW) _____, MDV7 (10,001-14,000 lbs. GVW) _____ZEV Type: NEV _____, ZEV XNo. of ZEV Credits per vehicle: 0Fuel 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.): 456kg Total Battery Volume (liters): 352No. of batteries or modules per vehicle: 1 Total Battery Voltage: 391VCharger(saa): On-board X Off-board _____ Conductive _____ Inductive _____.

Drive Motors(s): AC Induction _____ DC Brush _____, DC Brushless _____

Switched Reluctance _____ Other (specify): AC Synchronous.No. of Drive Motor 1 Rated motor power 64.0 @ 11,080 rpm Max_rpm:Drive: FWD X RWD _____ 4WD-FT _____ 4WD-PT _____Regenerative Braking: Yes X No _____ FW _____ RW _____ AW _____.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 (lbs)	Curb Weight (lbs)	ETW (lbs)	DPA/ RLHP
bZ	N/A	5435	4190	4500	10.2
bZ LIMITED	N/A	5435	4280	4500	10.8
SOLTERRA	N/A	5435	4190	4500	10.1
UNCHARTED	N/A	5435	4145	4500	10.3
TRAILSEEKER	N/A	5435	4225	4500	10.6
ES 350e (19 inch Wheels)	N/A	5810	4640	5000	10.2
ES 350e (21 inch Wheels)	N/A	5810	4690	5000	10.9

Date Issued _____ Revisions _____

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

E.O.#. _____ Page _____

Test group: VTYXV00.0D12

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

Manufacturer: TOYOTA Test Group: VTYXV00.0D12

Range Test Results

				City				Hwy			
Vehicle ID	Trans	(check one) TW <u>X</u> ETW (lbs)	(check one) DPA <u>X</u> RLHP Or dyno coeff.	Range (miles)	System AC (Wh/mi)	System DC (Wh/mi)	Vehicle DC (Wh/mi)	Range (miles)	System AC (Wh/mi)	System DC (Wh/mi)	Vehicle DC (Wh/mi)
26-XA2E (00)	N/A	4500	10.2	491.939	163	N/A	147	408.909	196	N/A	177
26-XA2E (01)	N/A	4500	10.8	468.877	171	N/A	153	385.571	208	N/A	186
26-XA2E (02)	N/A	4500	10.1	488.061	165	N/A	149	409.980	196	N/A	177
26-XK2E (00)	N/A	4500	10.3	489.222	165	N/A	150	410.786	197	N/A	179
26-XA1E (00)	N/A	4500	10.6	480.253	168	N/A	153	400.822	201	N/A	183
26-XZ1E (00)	N/A	5000	10.2	468.368	173	N/A	156	408.339	198	N/A	179
26-XZ1E (01)	N/A	5000	10.9	448.501	180	N/A	163	388.750	208	N/A	189

Battery Test Results:

Specific Energy: Wh/kg 155

Remarks:

Date Issued :

Revisions

----- ARB USE ONLY -----

Application:

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

17.3 Reserved

17.4 Vehicle Certification Range

Please refer to the CBI Test Group file.

17.5 Vehicle Safety

17.5.1 All Information for Safe Operation of Vehicle

17.5.2 Information on Safe Handling of Battery System

17.5.3 Description of Emergency Procedure

17.5.4 Emergency

Please refer to the owner's manual

17.6 PRP warranty period

Please refer to the CBI Test Group file.

17.7 An attestation of 1962.5

Please refer to the ZEV Data Standardization Attestation Form

17.8 Communication Protocol with a Scan Tool

Toyota utilizes "UDSonCAN" standardized protocol for CAN communication to interface with a scan tool that adheres to the SAE J1979-3 standard..

18. Service Information Availability

Please refer to Section 1 of the FOI common file.