

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

CARB USE ONLY

Invoice Name	MSF250776
Invoice Date	Feb 04, 2026

COMPANY INFORMATION

Company Name	Ford Motor Company
Address	1 American Road
City	Dearborn
State	Michigan
Zip	48126-2798
Country	United States
Contact Name	Tina Oliver
Contact Telephone Number	313-323-8938
Contact Email	toliver@ford.com
CARB Customer Number	CCAM000031

APPLICATION INFORMATION

Payment Row Number	Product Description or File Name	Model Year/Calendar Year	Unique Application Identifier: Test Group, Engine Family, Trailer Family, Vehicle Family, ZEP Family, if applicable (ID listed in payment row must match the unique identifier given to the certification application)	Category Type	Fee Type	Amount
1	CBI_VFMXD07.363H_APPIPT	Model Year 2027	VFMXD07.363H	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
2	CBI_VFMXD07.373K_APPIPT	Model Year 2027	VFMXD07.373K	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
3	CBI_VFMXD06.761B_APPIPT	Model Year 2027	VFMXD06.761B	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
4	CBI_VFMXD06.771D_APPIPT	Model Year 2027	VFMXD06.771D	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
5	CBI_FORD_2027_CIHD Application_HD/MD_Exhaust_	Model Year 2027	VFMXE07.3BW7	HDO engine family and MDO engine family	Base	\$ 45,911.00
6	CBI_FORD_2027_CIHD Application_HD/MD_Exhaust_	Model Year 2027	VFMXE07.3BWU	HDO engine family and MDO engine family	Base	\$ 45,911.00
7	CBI_FORD_2027_CIHD Application_HD/MD_Evaporat & CBI_FORD_2027_CIHD Application_HD/MD_Evaporat	Model Year 2027	VFMXF0210GDJ	Heavy-duty vehicle evaporative emissions family and Incomplete MDV evaporative emissions family	Base	\$ 16,155.00
8	CBI_FORD_2027_CIHD Application_HD/MD_Evaporat	Model Year 2027	VFMXF0250NDJ	Heavy-duty vehicle evaporative emissions family and Incomplete MDV evaporative emissions family	Base	\$ 16,155.00

	& CBI_FORD_2027_CIHD Application_HD/MD_Evaporat					
9	CBI_FORD_2027_CIHD Application_HD/MD_Evaporat & CBI_FORD_2027_CIHD Application_HD/MD_Evaporat	Model Year 2027	VFMXF0250NCJ	Heavy-duty vehicle evaporative emissions family and Incomplete MDV evaporative emissions family	Base	\$ 16,155.00
10	CBI_FORD_2027_CIHD Application_HD/MD_Evaporat & CBI_FORD_2027_CIHD Application_HD/MD_Evaporat	Model Year 2027	VFMXF0400NGJ	Heavy-duty vehicle evaporative emissions family and Incomplete MDV evaporative emissions family	Base	\$ 16,155.00
11	CBI_FORD_2027_CIHD Application_HD/MD_Evaporat	Model Year 2027	VFMXF0210GCV	Heavy-duty vehicle evaporative emissions family and Incomplete MDV evaporative emissions family	Base	\$ 16,155.00
12	CBI_FORD_2027_CIHD Application_HD/MD_Evaporat	Model Year 2027	VFMXF0360NGV	Heavy-duty vehicle evaporative emissions family and Incomplete MDV evaporative emissions family	Base	\$ 16,155.00
13	CBI_VFMXD03.56BG_APPIP	Model Year 2027	VFMXD03.56BG	Light-duty vehicle test group and medium-duty vehicle test group	Partial Carry-Over	\$ 25,155.00
14	CBI_VFMXD03.56BZ_APPIP	Model Year 2027	VFMXD03.56BZ	Light-duty vehicle test group and medium-duty vehicle test group	Base	\$ 50,309.00
15	CBI_VFMXD03.57BZ_APPIP	Model Year 2027	VFMXD03.57BZ	Light-duty vehicle test group and medium-duty vehicle test group	Partial Carry-Over	\$ 25,155.00
16	CBI_VFMXD00.00MW_APPIP	Model Year 2027	VFMXD00.00MW	Light-duty vehicle test group and medium-duty vehicle test group	Zero-Emission	\$ 12,577.00
17	CBI_VFMX2VOCV3AA_APP	Model Year 2027	VFMX2VOCV3AA	Heavy-duty greenhouse gas vehicle family	Base	\$ 19,168.00
18	CBI_VFMX2VOCV3AB_APP	Model Year 2027	VFMX2VOCV3AB	Heavy-duty greenhouse gas vehicle family	Base	\$ 19,168.00
19	CBI_VFMX2VOCV4AA_APP	Model Year 2027	VFMX2VOCV4AA	Heavy-duty greenhouse gas vehicle family	Base	\$ 19,168.00
20	CBI_VFMX2VOCV6AA_APP	Model Year 2027	VFMX2VOCV6AA	Heavy-duty greenhouse gas vehicle family	Base	\$ 19,168.00
					Total Due	\$ 579,856.00

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

(Responsible Party Signature Here)

Application for Certification

Part 1



FORD MOTOR COMPANY

APPLICATION FOR CERTIFICATION - PART 1

2027 Model Year

Test Group: VFMXD03.56BG
Durability Group: VFMXGPGNNE2C
Evap. Families: VFMXR0185NDJ 24.7gal Complete and Incomplete
VFMXR0215GDJ 30.8gal Complete and Incomplete

Test Group Description: 3.5 Liter 4V PFDI V6 / HDV <10K GVWR

Durability Group Description: Four Stroke, Otto Cycle,
Port Fuel Direct Injection
Catalyst Code D

Applicable Standards:

Federal Exhaust	- HDV Tier 3 Bin 150
Federal Evap.	- Tier III
California Exhaust	- MDV LEV III SULEV 150
California Evap.	- LEV III
SFTP FEL	-SULEV
Particulate Matter	- 8 mg/mi
CH ₄ Standard	- 0.05 g/mi
N ₂ O	- 0.05 g/mi

Carlines Covered:

Transit T150 Crew Van, Regular Cargo Van
Transit T250 Crew Van, Regular Cargo Van
Transit T250 Regular Cab, Cutaway
Transit T350 Bus, Crew Van, Regular Cargo Van
Transit T350 Regular Cab, Cutaway

Vehicles Tested:

Exhaust Emissions Vehicle: TTH1-3.5-J-380 Config 0		Evaporative Emissions Vehicle: LTH1-3.5-J-429 Config 0 (24.7 gal tank) LTH1-3.5-J-448 Config 0 (30.8 gal tank) LTH1-3.5-J-435 Config 0 (24.7 gal tank) LTH1-3.5-434 Config 0 (30.8 gal tank)	
FTP TN: E10	TFMX10089951	2Day TN:	Attest
HWY TN: E10	TFMX10089952	3Day TN:	LFMX10060895 (429) LFMX10060451 (448)
US06 TN: E10	TFMX10089953	RL TN:	LFMX10060896 (429) LFMX10060460 (448)
SC03 TN: E10	TFMX10089954	ORVR TN:	LFMX10060475 (429) LFMX10060466 (448)
FTP TN (E0)	TFMX10089956	Linking Test	LFMX10061436 (429) LFMX10060151 (448)
HWY TN (E0)	TFMX10089958	BETP	LFMX10060474 (435) LFMX10075474

Release Date: September 21, 2026

For Questions, Contact:

Suvarna Gadam, sgadam1@ford.com (313) 313-0873



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Part 2 Application Index **(Running change updates)**



SECTION 2

Durability Group Description

For a description of the Durability Group for this test group refer to Section 16.00.00.00 of the Common Section.



SECTION 3

Evaporative/Refueling Family Description

3.00.01.00 Evaporative Family and Calibration Parameters

Evaporative Family: **VFMXR0185NDJ** (3.5L PFDI; 24.7 Gal. Tank; Complete & Incomplete; ORVR)

Evaporative Family: **VFMXR0215GDJ** (3.5L PFDI; 30.8 Gal. Tank; Complete & Incomplete; ORVR)

2027 MY 3.5L PFDI Transit (Complete and Incomplete)

Emission Component		Sensed Parameter	Controlled Parameter	Justification	Calibration Specification
Capless Refueling Component MU5A-9D000-AC		None	Fuel Tank Vapor	Operates in EVAP	
Fuel Vapor Recirculation Hose LK41-9170-BA		None	Vapor Recirculation	Operates in ORVR	Recirculation Orifice Diameter: 3.15mm
Fuel Limiting Vent Valve (FLVV) 9L34-9B190-CA		Fuel Tank Vapor	Fuel Tank Vapor	Operates in EVAP	Orifice Diameter: 9.14mm
Grade Vent Valve (GVV) CK41-9B593-AB (quantity=2)		Fuel Tank Vapor	Fuel Tank Vapor	Operates in EVAP	Orifice Diameter: 3.05mm Bleed Notch: 0.35 x 0.25 mm Head Valve: 1.5kPa
Fuel Tank Pressure Sensor 9U5A-9C052-BC		Fuel Tank Pressure	None	Operates in FTP	
Carbon Canister LU5A-9D653-HC (24.7 gal.) LU5A-9D653-RA (30.8 gal.)		None	Fuel Tank Vapor	Operates in EVAP	185g BWC 2.8 liter Total Volume (includes 0.066L Bleed) 215g BWC 3.8 liter Total Volume (includes 1 x 0.048L Bleed and 1 x 0.072L External Bleed)
External Bleed Canister NK41-9G723-AC (30.8 gal.)		None	Fuel Tank Vapor	Operates in EVAP	0.072L External Bleed (volume and BWC included with primary canister)
Canister Purge Valve (CPV) EU5A-9G866-BD		Signal from PCM	Vacuum to canister	Operates in FTP	85 SLPM
AIS Hydrocarbon Trap GN15-9T303-AA		None	Fuel Vapor	Operates in EVAP	



SECTION 4

Durability Procedure Description

For a description of the Durability Procedure,
refer to Section 16.00.00.00 of the Common Section.



SECTION 5

Test Group Description

For a description of this Test Group, refer to the Cover Page (00.00.00.00) and to the Test Results Section (07.00.00.00) of this application.



SECTION 6

Test Vehicle Description

For a description of the Test Vehicles utilized in this Test Group,
refer to Section 07.00.00.00 of this application.



SECTION 7

EPA Certification Summary Information Report (Test Results)

Certification Summary Information Report

Manufacturer	Ford Motor Company	Manufacturer Code	FMX
Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0185NDJ
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	04/21/2026 01:32:48 PM
Model Year	2027		

Test Group Information

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

Drive Sources and Fuel(s)

Drive Source #1: Combustion Engine

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Gasoline	Spark Ignition direct & ported injection	No

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	--
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	--
Fuel Cell Indicator	--	EPA Vehicle Class	HDV1, M6
Federal Clean Fuel Vehicle	No	Federal Clean Fuel Vehicle Standard	--
Federal Clean Fuel Vehicle ILEV	No	California Partial Zero Emissions Vehicle Indicator	No
Durability Group Name	VFMXGPGNNE2C	Durability Group Equivalency Factor	1.0
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	Yes		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Tier 3	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	Yes		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	VFMXT03.57AV
Test Group OBD Compliance Level	Partial - with deficiencies	Number of Test Group OBD Deficiencies	2
OBD Deficiencies Comments	--		
Mfr Test Group Comments	--		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0185NDJ
Evaporative/Refueling Family Information			
Evaporative Summary Information Type	New	Submission/Correction Date	04/08/2026 06:58:59 AM
Integrated ORVR?	Yes	Fuel(s)	Gasoline
Multiple Fuel Storage	--		
Bladder Fuel Tank?	No		
Fuel Tank Material	Plastic	Fuel Tank Material Description	Plastic
Fill Pipe Seal Type	Liquid seal		
Air Intake System Vapor Storage Device?	Yes	Air Intake System Vapor Storage Device Description	Hydrocarbon trap
Fuel System Vapor Storage Canister?	Yes	Other Vapor Storage	2.7L 3-port Rect+ 0.066L Bleed
Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)	185	Number of Primary Canisters	1
Number of Bleed Canisters	1	Bleed Canister Total Working Capacity (grams)	1
Mfr Evaporative/Refueling Family Comments	(3.5L GTDI & 3.5L PFDI ; 24.7 Gal. Tank; Complete and Incomplete; ORVR)		
Leak Family Details			
Leak Family Indicator	Yes		
Canister Bleed Test Indicator	Yes	Applicability of Evaporative Canister Bleed Test	50 State
Evaporative Canister Bleed Test Comments	--		
CARB Fuel Only (Rig) Test Indicator	No	Applicability of CARB Fuel Only (Rig) Test	--
CARB Fuel Only (Rig) Test Comments	--		
Leak Family Name	Applicability of Leak Family Requirements	Leak Family Standard (inches)	Leak Family Description
VFMXR0185NDJ-001	50 State	0.02	--

Certification Summary Information Report

Test Group	VFMXD03.56BG		Evaporative/Refueling Family		VFMXR0185NDJ		
Models Covered by this Certificate							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Ford Motor Company	1 - Ford	490 - TRANSIT T350 CUTAWAY 2WD	Federal	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	470 - TRANSIT T350 WAGON 2WD	Federal	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	485 - TRANSIT T350 CHASSIS CAB 2WD	Federal	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	465 - TRANSIT T350 VAN 2WD	Federal	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	435 - TRANSIT T150 VAN 2WD	Federal	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	455 - TRANSIT T250 VAN 2WD	California + CAA Section 177 states	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	477 - TRANSIT T250 CHASSIS CAB 4WD	Federal	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	482 - TRANSIT T250 CUTAWAY 4WD	Federal	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	472 - TRANSIT T350 WAGON 4WD	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	457 - TRANSIT T250 VAN 4WD	Federal	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	435 - TRANSIT T150 VAN 2WD	California + CAA Section 177 states	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	457 - TRANSIT T250 VAN 4WD	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	485 - TRANSIT T350 CHASSIS CAB 2WD	California + CAA Section 177 states	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	490 - TRANSIT T350 CUTAWAY 2WD	California + CAA Section 177 states	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	480 - TRANSIT T250 CUTAWAY 2WD	Federal	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	437 - TRANSIT T150 VAN 4WD	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	472 - TRANSIT T350 WAGON 4WD	Federal	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	487 - TRANSIT T350 CHASSIS CAB 4WD	Federal	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	467 - TRANSIT T350 VAN 4WD	Federal	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	477 - TRANSIT T250 CHASSIS CAB 4WD	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	455 - TRANSIT T250 VAN 2WD	Federal	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	470 - TRANSIT T350 WAGON 2WD	California + CAA Section 177 states	2-Wheel Drive, Rear	Semi-Automatic	10	Yes

Certification Summary Information Report

Test Group		VFMXD03.56BG	Evaporative/Refueling Family			VFMXR0185NDJ	
Ford Motor Company	1 - Ford	465 - TRANSIT T350 VAN 2WD	California + CAA Section 177 states	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	437 - TRANSIT T150 VAN 4WD	Federal	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	487 - TRANSIT T350 CHASSIS CAB 4WD	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	492 - TRANSIT T350 CUTAWAY 4WD	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	475 - TRANSIT T250 CHASSIS CAB 2WD	California + CAA Section 177 states	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	482 - TRANSIT T250 CUTAWAY 4WD	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	492 - TRANSIT T350 CUTAWAY 4WD	Federal	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	480 - TRANSIT T250 CUTAWAY 2WD	California + CAA Section 177 states	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	475 - TRANSIT T250 CHASSIS CAB 2WD	Federal	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	467 - TRANSIT T350 VAN 4WD	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	10	Yes

Engine Description

Hybrid Type

--

Hybrid Description

--

Engine Type

4-Stroke Spark Ignition

Mfr Engine Description

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Engine Block Arrangement

V-shaped engine

Mfr Engine Block Arrangement Description

3.5L V6

Camless Valvetrain Indicator

No

Oil Viscosity/Classification

SAE 5W-20 / ILSAC GF-7

Number of Cylinders/Rotors

6

Mechanically Variable Compression Ratio Indicator

N

After Treatment Device(s) (ATD)

ATD Number	ATD Type	ATD Precious Metal	Substrate Material	Substrate Construction
1	Three-way catalyst	Platinum + Palladium + Rhodium	Ceramic	Monolith
2	Three-way catalyst	Palladium + Rhodium	Ceramic	Monolith
3	Three-way catalyst	Platinum + Palladium + Rhodium	Ceramic	Monolith
4	Three-way catalyst	Palladium + Rhodium	Ceramic	Monolith

Mfr After Treatment Device (ATD)

Comments

2TWC

Direct Ozone Reduction (DOR) Device

Not Equipped

Mfr Emission Control Device Comments

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Certification Summary Information Report

Test Group		VFMXD03.56BG		Evaporative/Refueling Family		VFMXR0185NDJ										
Engine Configuration Number 1																
Engine Displacement (liters)		3.5		Engine Rated Horsepower		275										
Number of Inlet Valves Per Cylinder		2		Number of Exhaust Valves Per Cylinder		2										
Air Aspiration Method		Naturally Aspirated		Number of Air Aspiration Devices		--										
Air Aspiration Device Configuration		--		Charge Air Cooler Type		N/A										
Air Aspiration Drive Method(s)		Mechanical														
Cylinder Deactivation		No														
Cylinder Deactivation Description		--														
Variable Valve Timing		Yes														
Variable Valve Timing System Description		Intake and Exhaust														
Variable Valve Lift?		No														
Variable Valve Lift System Description		--														
Number of Knock Sensors		2		Number of Air/Fuel Sensors		4										
Air/Fuel Sensor # 1 Type		Heated air fuel		Air/Fuel Sensor # 1 Description		--										
Air/Fuel Sensor # 2 Type		Heated air fuel		Air/Fuel Sensor # 2 Description		--										
Air/Fuel Sensor # 3 Type		Heated oxygen		Air/Fuel Sensor # 3 Description		--										
Air/Fuel Sensor # 4 Type		Heated oxygen		Air/Fuel Sensor # 4 Description		--										
Mfr Air/Fuel Sensor Comments		--														
Exhaust Gas Recirculation		Yes		Cooled Exhaust Gas Recirculation		No										
EGR Type		Electronic/Electric		Exhaust Gas Recirculation Description if 'Other'		--										
Closed Loop Air Injection System		No														
Air Injection Type		Not Applicable		Air Injection Type if 'Other'		--										
Mfr Engine Configuration Comments		--														
Official Test Numbers																
Test Group Fuel		FTP		US06		SC03		Cold CO		Highway		EPA City Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Gasoline		TFMX10089951		TFMX10089953		TFMX10089954		--		TFMX10089952		--	228.2	--	286.1	1.0
SFTP LEV-III Official Test Numbers																
Test Group Fuel		FTP		US06		SC03										
Gasoline		TFMX10089951		TFMX10089953		TFMX10089954										

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0185NDJ
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Emission Data Vehicle Information

Vehicle ID / Configuration	LTH1-3.5-J-429 / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	LFMXT03.55HM	Original Evaporative/Refueling Family	LFMXR0185NDH
Original Test Vehicle Model Year	2020		

Vehicle Model

Represented Test Vehicle Make	Ford	Represented Test Vehicle Model	T150 Transit Van MDPV
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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	Combustion Engine	Ethanol, Gasoline

Hybrid Indicator	No		
Multiple Fuel Storage	Fuels Stored Together	Multiple Fuel Combustion	Fuels Combusted Together
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--
Off-board charge Capable Indicator	--		
Odometer Correction -- Initial	0	Odometer Correction Factor	1.03
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	LTTHKXNB91	Rated Horsepower	275
Displacement (liters)	3.5		
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	Part-time 4-Wheel Drive
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	6276	Equivalent Test Weight (pounds)	6500
GVWR (lbs)	8550	N/V Ratio	29.4
Axle Ratio	3.73		
Transmission Type	Semi-Automatic	# of Transmission Gears	10
Transmission Lockup	Yes	Creep Gear	No

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0185NDJ
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Dynamometer Coefficients:

Coefficient Category	Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	51.3	0.4872	0.04363	22.77	0.32945	0.04248	24.6
Cold CO	51.3	0.4872	0.04363	22.77	0.32945	0.04248	N/A
US06	51.3	0.4872	0.04363	22.77	0.32945	0.04248	N/A

Emission Control Device Comments	4K EVAP E10 T20-0108-01
Manufacturer Test Vehicle Comments	Transit AWD MDPV (24.7 gal tank)

Test #	LFMX10060895	Test Procedure	34 - Federal fuel 3-day evap
Exhaust Test # for this Evap Test	LFMX10061436	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	03/26/2019	Fuel	Gasoline
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)		
Test Start Odometer Reading	4766	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
OMHCE (Organic material Hydrocarbon Equivalent)	0.2015	--
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.2015	--

Manufacturer Test Comments	--
-----------------------------------	----

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.2015	0.0000	0.202	0.600	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.2015	0.0000	0.202	0.600	Pass

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0185NDJ									
Test #	LFMX10060475	Test Procedure	24 - Federal fuel refueling test (ORVR)									
Exhaust Test # for this Evap Test	LFMX10061436	Test Fuel Type	59 - Tier 3 E10 Premium Gasoline (10 RVP-FFV ORVR Only)									
Test Date	04/30/2019	Fuel	Gasoline									
Fuel Batch ID	--	Fuel Calibration Number	--									
Vehicle Class	N/A	DF Type	Mfr. Determined									
Verify Test Lab ID	APTL											
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)											
Test Start Odometer Reading	4837	Odometer Units	M									
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--									
State of Charge Delta	--											
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No									
Test Results												
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>OMHCE (Organic material Hydrocarbon Equivalent)</td> <td>0.008</td> <td>--</td> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.008</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	OMHCE (Organic material Hydrocarbon Equivalent)	0.008	--	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.008	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)										
OMHCE (Organic material Hydrocarbon Equivalent)	0.008	--										
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.008	--										
Manufacturer Test Comments												
ORVR test												
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail				
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.008	0.001	0.01	0.20	Pass				
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.008	0.001	0.01	0.20	Pass				

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0185NDJ									
Test #	LFMX10060896	Test Procedure	32 - Federal Fuel Running Loss									
Exhaust Test # for this Evap Test	LFMX10061436	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)									
Test Date	03/26/2019	Fuel	Gasoline									
Fuel Batch ID	--	Fuel Calibration Number	--									
Vehicle Class	N/A	DF Type	Mfr. Determined									
Verify Test Lab ID	APTL											
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)											
Test Start Odometer Reading	4766	Odometer Units	M									
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--									
State of Charge Delta	No											
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No									
Test Results												
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>OMHCE (Organic material Hydrocarbon Equivalent)</td> <td>0.016</td> <td>--</td> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.016</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	OMHCE (Organic material Hydrocarbon Equivalent)	0.016	--	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.016	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)										
OMHCE (Organic material Hydrocarbon Equivalent)	0.016	--										
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.016	--										
Manufacturer Test Comments --												
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail				
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.016	0.000	0.02	0.05	Pass				
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.016	0.000	0.02	0.05	Pass				

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Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0185NDJ						
Emission Control Device Comments	T20-0143-01 T150 <10K (24.7 gal fuel tank)								
Manufacturer Test Vehicle Comments	T150 235/65R16C simulating a T350 205/75R16								
Test #	LFMX10060474	Test Procedure	65 - Evap Canister Bleed Test						
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)						
Test Date	04/26/2019	Fuel	Gasoline						
Fuel Batch ID	--	Fuel Calibration Number	--						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	APTL								
E10 Evaporative Test Measurement Method	--								
Test Start Odometer Reading	4745	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	No						
Test Results									
<table border="1"> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value</th> </tr> <tr> <td>HC-TOTAL (Total Hydrocarbon)</td> <td>0.0033</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	HC-TOTAL (Total Hydrocarbon)	0.0033	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value							
HC-TOTAL (Total Hydrocarbon)	0.0033	--							
Manufacturer Test Comments									
BETP E10 Evaporative Test Measurement Method is "Total Hydrocarbon (THC)									
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail	
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL	0.0033	0	0.003	0.030	Pass	
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	HC-TOTAL	0.0033	0	0.003	0.030	Pass	

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Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0185NDJ
Test #	TFMX10089951	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	03/05/2025	Fuel	Gasoline
Fuel Batch ID	373-B	Fuel Calibration Number	102
Vehicle Class	HDV1 (Federal HD chassis Class 2b GVW 8501-10000), MDV6 (Cal. LEV 2/3/4 MDV GVW 8501-10000)	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4927	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	681.91579	--
FE BAG 1 (Bag 1 Fuel Economy)	12.737346	12.737346
CO2 BAG 2 (Bag 2 Carbon Dioxide)	611.62474	--
FE BAG 2 (Bag 2 Fuel Economy)	14.217043	14.217043
CO2 BAG 3 (Bag 3 Carbon Dioxide)	615.324117	--
FE BAG 3 (Bag 3 Fuel Economy)	14.157006	14.157006
METHANE (CH4 - Methane)	0.018676	--
CO (Carbon Monoxide)	0.728788	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.258574	--
DT-EER (Drive Trace Energy Economy Rating)	-0.272882	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.336089	--
HCHO (Formaldehyde)	0.0003	--
MFR FE (Manufacturer Fuel Economy)	13.9	13.9
NOX (Nitrogen Oxide)	0.049608	--
N2O (Nitrous Oxide)	0.0049	--
HC-NM (Non-methane Hydrocarbon)	0.021587	--
NMOG (Non-methane organic gases)	0.023766	--
PM (Particulate Matter)	0.001522	--
HC-TOTAL (Total Hydrocarbon)	0.039389	--

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Certification Summary Information Report

Test Group		VFMXD03.56BG			Evaporative/Refueling Family					VFMXR0185NDJ		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	CO	0.73	--	--	--	--	--	0.7	3.2	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	CO-COMP	10.04	--	--	--	--	--	10.0	12.0	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	CO2	999	--	--	--	0.0	--	999	--	--
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	HCHO	0.0003	--	--	--	--	--	0.000	0.006	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG	0.0238	--	1.1	--	--	--	0.024	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG+NOX	0.0734	--	--	--	--	--	0.073	0.150	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG+NOX-COMP	0.0927	--	--	--	--	--	0.093	0.450	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NOX	0.0496	--	--	--	--	--	0.050	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	PM	0.0015	--	--	--	--	--	0.002	0.008	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	PM-COMP	0.0027	--	--	--	--	--	0.003	0.010	Pass
CA	150,000 miles	California LEV-III SULEV150	CO	0.73	--	--	--	--	--	0.7	3.2	Pass
CA	150,000 miles	California LEV-III SULEV150	CO-COMP	10.04	--	--	--	--	--	10.0	12.0	Pass
CA	150,000 miles	California LEV-III SULEV150	CO2	999	--	--	--	0.0	--	999	--	--
CA	150,000 miles	California LEV-III SULEV150	HCHO	0.0003	--	--	--	--	--	0.000	0.006	Pass
CA	150,000 miles	California LEV-III SULEV150	NMOG	0.0238	--	1.1	--	--	--	0.024	999.999	Pass
CA	150,000 miles	California LEV-III SULEV150	NMOG+NOX	0.0734	--	--	--	--	--	0.073	0.150	Pass
CA	150,000 miles	California LEV-III SULEV150	NMOG+NOX-COMP	0.0927	--	--	--	--	--	0.093	0.450	Pass
CA	150,000 miles	California LEV-III SULEV150	NOX	0.0496	--	--	--	--	--	0.050	999.999	Pass

Certification Summary Information Report

Test Group		VFMXD03.56BG				Evaporative/Refueling Family				VFMXR0185NDJ		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
CA	150,000 miles	California LEV-III SULEV150	PM	0.0015	--	--	--	--	--	0.002	0.008	Pass
CA	150,000 miles	California LEV-III SULEV150	PM-COMP	0.0027	--	--	--	--	--	0.003	0.010	Pass

NOTE: For Non-charge depleting tests, the Rounded Result for CO2 Emission name is a Verify-calculated value.

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0185NDJ
Test #	TFMX10089956	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	03/18/2025	Fuel	Gasoline
Fuel Batch ID	CERT_5	Fuel Calibration Number	177
Vehicle Class	HDV1 (Federal HD chassis Class 2b GVW 8501-10000), MDV6 (Cal. LEV 2/3/4 MDV GVW 8501-10000)	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4990	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	683.140015	--
FE BAG 1 (Bag 1 Fuel Economy)	12.947125	12.947125
CO2 BAG 2 (Bag 2 Carbon Dioxide)	615.653992	--
FE BAG 2 (Bag 2 Fuel Economy)	14.459871	14.459871
CO2 BAG 3 (Bag 3 Carbon Dioxide)	619.265991	--
FE BAG 3 (Bag 3 Fuel Economy)	14.390978	14.390978
METHANE (CH4 - Methane)	0.023524	--
CO (Carbon Monoxide)	1.57066	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.038976	--
DT-EER (Drive Trace Energy Economy Rating)	-0.671868	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.53795	--
MFR FE (Manufacturer Fuel Economy)	14.1	14.1
NOX (Nitrogen Oxide)	0.050763	--
N2O (Nitrous Oxide)	0.0058	--
HC-NM (Non-methane Hydrocarbon)	0.040536	--
NMOG (Non-methane organic gases)	0.042158	--
HC-TOTAL (Total Hydrocarbon)	0.062459	--

Certification Summary Information Report

Test Group		VFMXD03.56BG			Evaporative/Refueling Family					VFMXR0185NDJ		
		Test Result Name		Unrounded Test Result			Verify Calculated CREE/OPT-CREE					
		Carbon-Related Exhaust Emissions		634			634					
		Optional Carbon-Related Exhaust Emissions		636			636					
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		630.7			--					
Manufacturer Test Comments		--										
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	CO	1.57	--	--	--	--	--	1.6	3.2	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	CO2	634	--	--	--	0.0	--	634	--	--
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG	0.0422	--	1.1	--	--	--	0.042	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG+NOX	0.0930	--	--	--	--	--	0.093	0.150	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NOX	0.0508	--	--	--	--	--	0.051	999.999	Pass
CA	150,000 miles	California LEV-III SULEV150	CO	1.57	--	--	--	--	--	1.6	3.2	Pass
CA	150,000 miles	California LEV-III SULEV150	CO2	634	--	--	--	0.0	--	634	--	--
CA	150,000 miles	California LEV-III SULEV150	NMOG	0.0422	--	1.1	--	--	--	0.042	999.999	Pass
CA	150,000 miles	California LEV-III SULEV150	NMOG+NOX	0.0930	--	--	--	--	--	0.093	0.150	Pass
CA	150,000 miles	California LEV-III SULEV150	NOX	0.0508	--	--	--	--	--	0.051	999.999	Pass
NOTE: For Non-charge depleting tests, the Rounded Result for CO2 Emission name is a Verify-calculated value.												

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0185NDJ
Test #	TFMX10089952	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	03/05/2025	Fuel	Gasoline
Fuel Batch ID	373-B	Fuel Calibration Number	102
Vehicle Class	HDV1 (Federal HD chassis Class 2b GVW 8501-10000), MDV6 (Cal. LEV 2/3/4 MDV GVW 8501-10000)	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4927	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
METHANE (CH4 - Methane)	0.010702	--	
CO (Carbon Monoxide)	0.527948	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.424111	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.280209	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.666928	--	
HCHO (Formaldehyde)	0	--	
MFR FE (Manufacturer Fuel Economy)	17.9	17.9	
NOX (Nitrogen Oxide)	0.017605	--	
N2O (Nitrous Oxide)	0.0046	--	
HC-NM (Non-methane Hydrocarbon)	0.006064	--	
NMOG (Non-methane organic gases)	0.006246	--	
HC-TOTAL (Total Hydrocarbon)	0.016265	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	486	999	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	485	--	
Manufacturer Test Comments	--		

Certification Summary Information Report

Test Group		VFMXD03.56BG			Evaporative/Refueling Family					VFMXR0185NDJ		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	CO2	999	--	--	--	0.0	--	999	--	--
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG	0.0062	--	1.03	--	--	--	0.006	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG+NOX	0.0238	--	--	--	--	--	0.024	0.150	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NOX	0.0176	--	--	--	--	--	0.018	999.999	Pass
CA	150,000 miles	California LEV-III SULEV150	CO2	999	--	--	--	0.0	--	999	--	--
CA	150,000 miles	California LEV-III SULEV150	NMOG	0.0062	--	1.03	--	--	--	0.006	999.999	Pass
CA	150,000 miles	California LEV-III SULEV150	NMOG+NOX	0.0238	--	--	--	--	--	0.024	0.150	Pass
CA	150,000 miles	California LEV-III SULEV150	NOX	0.0176	--	--	--	--	--	0.018	999.999	Pass

NOTE: For Non-charge depleting tests, the Rounded Result for CO2 Emission name is a Verify-calculated value.

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0185NDJ																																				
Test #	TFMX10089958	Test Procedure	3 - HWFE																																				
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline																																				
Test Date	03/18/2025	Fuel	Gasoline																																				
Fuel Batch ID	CERT_5	Fuel Calibration Number	177																																				
Vehicle Class	HDV1 (Federal HD chassis Class 2b GVW 8501-10000), MDV6 (Cal. LEV 2/3/4 MDV GVW 8501-10000)	DF Type	Mfr. Determined																																				
Verify Test Lab ID	APTL																																						
E10 Evaporative Test Measurement Method	--																																						
Test Start Odometer Reading	4990	Odometer Units	M																																				
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--																																				
State of Charge Delta	--																																						
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes																																				
Test Results																																							
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>METHANE (CH4 - Methane)</td> <td>0.014937</td> <td>--</td> </tr> <tr> <td>CO (Carbon Monoxide)</td> <td>0.803671</td> <td>--</td> </tr> <tr> <td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td> <td>3.14152</td> <td>--</td> </tr> <tr> <td>DT-EER (Drive Trace Energy Economy Rating)</td> <td>0.421384</td> <td>--</td> </tr> <tr> <td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td> <td>5.46076</td> <td>--</td> </tr> <tr> <td>MFR FE (Manufacturer Fuel Economy)</td> <td>17.8</td> <td>17.8</td> </tr> <tr> <td>NOX (Nitrogen Oxide)</td> <td>0.040295</td> <td>--</td> </tr> <tr> <td>N2O (Nitrous Oxide)</td> <td>0.0082</td> <td>--</td> </tr> <tr> <td>HC-NM (Non-methane Hydrocarbon)</td> <td>0.012765</td> <td>--</td> </tr> <tr> <td>NMOG (Non-methane organic gases)</td> <td>0.013276</td> <td>--</td> </tr> <tr> <td>HC-TOTAL (Total Hydrocarbon)</td> <td>0.026686</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	METHANE (CH4 - Methane)	0.014937	--	CO (Carbon Monoxide)	0.803671	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	3.14152	--	DT-EER (Drive Trace Energy Economy Rating)	0.421384	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	5.46076	--	MFR FE (Manufacturer Fuel Economy)	17.8	17.8	NOX (Nitrogen Oxide)	0.040295	--	N2O (Nitrous Oxide)	0.0082	--	HC-NM (Non-methane Hydrocarbon)	0.012765	--	NMOG (Non-methane organic gases)	0.013276	--	HC-TOTAL (Total Hydrocarbon)	0.026686	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																																					
METHANE (CH4 - Methane)	0.014937	--																																					
CO (Carbon Monoxide)	0.803671	--																																					
DT-ASCR (Drive Trace Absolute Speed Change Rating)	3.14152	--																																					
DT-EER (Drive Trace Energy Economy Rating)	0.421384	--																																					
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	5.46076	--																																					
MFR FE (Manufacturer Fuel Economy)	17.8	17.8																																					
NOX (Nitrogen Oxide)	0.040295	--																																					
N2O (Nitrous Oxide)	0.0082	--																																					
HC-NM (Non-methane Hydrocarbon)	0.012765	--																																					
NMOG (Non-methane organic gases)	0.013276	--																																					
HC-TOTAL (Total Hydrocarbon)	0.026686	--																																					
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated CREE/OPT-CREE</th> </tr> </thead> <tbody> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>500</td> <td>500</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	Carbon-Related Exhaust Emissions	500	500																														
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE																																					
Carbon-Related Exhaust Emissions	500	500																																					
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated CO2</th> </tr> </thead> <tbody> <tr> <td>Carbon dioxide</td> <td>499.3</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated CO2	Carbon dioxide	499.3	--																														
Test Result Name	Unrounded Test Result	Verify Calculated CO2																																					
Carbon dioxide	499.3	--																																					
Manufacturer Test Comments	--																																						

Certification Summary Information Report

Test Group		VFMXD03.56BG				Evaporative/Refueling Family				VFMXR0185NDJ		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	CO2	500	--	--	--	0.0	--	500	--	--
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG	0.0133	--	1.03	--	--	--	0.013	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG+NOX	0.0536	--	--	--	--	--	0.054	0.150	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NOX	0.0403	--	--	--	--	--	0.040	999.999	Pass
CA	150,000 miles	California LEV-III SULEV150	CO2	500	--	--	--	0.0	--	500	--	--
CA	150,000 miles	California LEV-III SULEV150	NMOG	0.0133	--	1.03	--	--	--	0.013	999.999	Pass
CA	150,000 miles	California LEV-III SULEV150	NMOG+NOX	0.0536	--	--	--	--	--	0.054	0.150	Pass
CA	150,000 miles	California LEV-III SULEV150	NOX	0.0403	--	--	--	--	--	0.040	999.999	Pass

NOTE: For Non-charge depleting tests, the Rounded Result for CO2 Emission name is a Verify-calculated value.

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0185NDJ
Test #	TFMX10089953	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	03/05/2025	Fuel	N/A
Fuel Batch ID	373-B	Fuel Calibration Number	102
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4959	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	1190.177947	--
FE BAG 1 (Bag 1 Fuel Economy)	6.707202	6.707202
CO2 BAG 2 (Bag 2 Carbon Dioxide)	726.721627	--
FE BAG 2 (Bag 2 Fuel Economy)	11.406756	11.406756
METHANE (CH4 - Methane)	0.053318	--
CO (Carbon Monoxide)	33.682893	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.446672	--
DT-EER (Drive Trace Energy Economy Rating)	-0.899042	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.97968	--
MFR FE (Manufacturer Fuel Economy)	9.9	9.9
NOX (Nitrogen Oxide)	0.111051	--
HC-NM (Non-methane Hydrocarbon)	0.042596	--
NMOG (Non-methane organic gases)	0.043874	--
PM (Particulate Matter)	0.004981	--
HC-TOTAL (Total Hydrocarbon)	0.093416	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	882	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	829.4	--

Manufacturer Test Comments

--

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0185NDJ
Test #	TFMX10089954	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	03/12/2025	Fuel	N/A
Fuel Batch ID	373-B	Fuel Calibration Number	102
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4975	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
METHANE (CH4 - Methane)	0.024912	--	
CO (Carbon Monoxide)	0.971636	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.082182	--	
DT-EER (Drive Trace Energy Economy Rating)	0.673293	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.67587	--	
MFR FE (Manufacturer Fuel Economy)	12.1	12.1	
NOX (Nitrogen Oxide)	0.040906	--	
HC-NM (Non-methane Hydrocarbon)	0.022215	--	
NMOG (Non-methane organic gases)	0.022882	--	
PM (Particulate Matter)	0.002045	--	
HC-TOTAL (Total Hydrocarbon)	0.045956	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	723	--	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	720.6	--	
Manufacturer Test Comments	--		

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0185NDJ
Fuel Properties			
Fuel Batch ID	373-B	Fuel Calibration Number	102
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	02/27/2025
Fuel Batch Calibration Effective Date	02/27/2025	Fuel Batch Calibration Ineffective Date	12/31/2100
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.75
Fuel Ethanol Volume Percent (%)	10.2	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17847
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.828	Weight Fraction CO2	--
Fuel Batch ID	CERT_5	Fuel Calibration Number	177
Test Fuel Type	61 - Tier 2 Cert Gasoline	Fuel Batch Calibration Date	01/22/2025
Fuel Batch Calibration Effective Date	01/22/2025	Fuel Batch Calibration Ineffective Date	12/31/2100
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.744
Fuel Ethanol Volume Percent (%)	--	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18339
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.865	Weight Fraction CO2	--

Certification Summary Information Report

Test Group		VFMXD03.56BG		Evaporative/Refueling Family			VFMXR0185NDJ		
Consolidated List of Standards									
Exhaust Standards									
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		HDV1 (Federal HD chassis Class 2b GVW 8501-10000)			Standard Level			Federal Tier 3 HD Class 2b Bin 150	
Fuel		Gasoline			Test Procedure			Federal fuel 2-day exhaust (w/can load)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	--	3.2
150,000 miles	CO-COMP	--	--	--	--	--	--	--	12.0
150,000 miles	CO2	--	--	--	--	--	--	0.0	999.999
150,000 miles	HCHO	--	--	--	--	--	--	--	0.006
150,000 miles	METHANE-COMB	--	--	--	--	--	--	--	0.05
150,000 miles	N2O-COMB	--	--	--	--	--	--	--	0.05
150,000 miles	NMOG	--	--	1.1	--	--	--	--	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.150
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.450
150,000 miles	NOX	--	--	--	--	--	--	--	999.999
150,000 miles	PM	--	--	--	--	--	--	--	0.008
150,000 miles	PM-COMP	--	--	--	--	--	--	--	0.010

Certification Summary Information Report

Test Group		VFMXD03.56BG			Evaporative/Refueling Family			VFMXR0185NDJ	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		MDV6 (Cal. LEV 2/3/4 MDV GVW 8501-10000)			Standard Level			California LEV-III SULEV150	
Fuel		Gasoline			Test Procedure			Federal fuel 2-day exhaust (w/can load)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	--	3.2
150,000 miles	CO-COMP	--	--	--	--	--	--	--	12.0
150,000 miles	CO2	--	--	--	--	--	--	0.0	999.999
150,000 miles	HCHO	--	--	--	--	--	--	--	0.006
150,000 miles	METHANE-COMB	--	--	--	--	--	--	--	0.05
150,000 miles	N2O-COMB	--	--	--	--	--	--	--	0.05
150,000 miles	NMOG	--	--	1.1	--	--	--	--	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.150
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.450
150,000 miles	NOX	--	--	--	--	--	--	--	999.999
150,000 miles	PM	--	--	--	--	--	--	--	0.008
150,000 miles	PM-COMP	--	--	--	--	--	--	--	0.010
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		HDV1 (Federal HD chassis Class 2b GVW 8501-10000)			Standard Level			Federal Tier 3 HD Class 2b Bin 150	
Fuel		Gasoline			Test Procedure			HWFE	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO2	--	--	--	--	--	--	0.0	999.999
150,000 miles	NMOG	--	--	1.03	--	--	--	--	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.150
150,000 miles	NOX	--	--	--	--	--	--	--	999.999

Certification Summary Information Report

Test Group	VFMXD03.56BG			Evaporative/Refueling Family			VFMXR0185NDJ		
Cert Region	California + CAA Section 177 states			Cert/In-Use Code			Both		
Vehicle Class	MDV6 (Cal. LEV 2/3/4 MDV GVW 8501-10000)			Standard Level			California LEV-III SULEV150		
Fuel	Gasoline			Test Procedure			HWFE		
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO2	--	--	--	--	--	--	0.0	999.999
150,000 miles	NMOG	--	--	1.03	--	--	--	--	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.150
150,000 miles	NOX	--	--	--	--	--	--	--	999.999

Evaporative/Refueling Standards

Evaporative/Refueling Family		VFMXR0185NDJ	Cert Region	Federal	
Cert/In-Use Code		Both	Standard Level	Federal Tier 3 Evap	
Test Procedure		Evap Canister Bleed Test			
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL	--	0.030	0

Evaporative/Refueling Family		VFMXR0185NDJ	Cert Region	Federal	
Cert/In-Use Code		Both	Standard Level	Federal Tier 3 Evap	
Test Procedure		2-day evap			
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.600	0.0000

Evaporative/Refueling Family		VFMXR0185NDJ	Cert Region	California + CAA Section 177 states	
Cert/In-Use Code		Both	Standard Level	California LEV-III Zero Evap (Option 2)	
Test Procedure		2-day evap			
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	OMHCE	--	0.600	0.0000

Certification Summary Information Report

Test Group		VFMXD03.56BG		Evaporative/Refueling Family		VFMXR0185NDJ	
Evaporative/Refueling Family		VFMXR0185NDJ		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Evap Canister Bleed Test					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL	--	0.030	0		
Evaporative/Refueling Family		VFMXR0185NDJ		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal fuel 3-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.600	0.0000		
Evaporative/Refueling Family		VFMXR0185NDJ		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Federal fuel 3-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	OMHCE	--	0.600	0.0000		
Evaporative/Refueling Family		VFMXR0185NDJ		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Federal Fuel Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	OMHCE	--	0.05	0.000		
Evaporative/Refueling Family		VFMXR0185NDJ		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Federal fuel refueling test (ORVR)					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	OMHCE	--	0.20	0.001		

Certification Summary Information Report

Test Group		VFMXD03.56BG		Evaporative/Refueling Family		VFMXR0185NDJ	
Evaporative/Refueling Family		VFMXR0185NDJ		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal fuel refueling test (ORVR)					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.20	0.001		
Evaporative/Refueling Family		VFMXR0185NDJ		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal Fuel Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0.000		

Certification Summary Information Report

Test Group		VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0185NDJ
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		VFMXD03.56BG	Evaporative/Refueling Family		VFMXR0185NDJ
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		VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0185NDJ
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		VFMXD03.56BG	Evaporative/Refueling Family		VFMXR0185NDJ
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	

Certification Summary Information Report

Manufacturer	Ford Motor Company	Manufacturer Code	FMX
Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	04/21/2026 01:32:48 PM
Model Year	2027		

Test Group Information

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

Drive Sources and Fuel(s)

Drive Source #1: Combustion Engine

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Gasoline	Spark Ignition direct & ported injection	No

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	--
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	--
Fuel Cell Indicator	--	EPA Vehicle Class	HDV1, M6
Federal Clean Fuel Vehicle	No	Federal Clean Fuel Vehicle Standard	--
Federal Clean Fuel Vehicle ILEV	No	California Partial Zero Emissions Vehicle Indicator	No
Durability Group Name	VFMXGPGNNE2C	Durability Group Equivalency Factor	1.0
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	Yes		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Tier 3	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	Yes		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	VFMXT03.57AV
Test Group OBD Compliance Level	Partial - with deficiencies	Number of Test Group OBD Deficiencies	2
OBD Deficiencies Comments	--		
Mfr Test Group Comments	--		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ
Evaporative/Refueling Family Information			
Evaporative Summary Information Type	Update for Correction	Submission/Correction Date	04/21/2026 12:37:34 PM
Integrated ORVR?	Yes	Fuel(s)	Gasoline
Multiple Fuel Storage	--		
Bladder Fuel Tank?	No		
Fuel Tank Material	Plastic	Fuel Tank Material Description	Plastic
Fill Pipe Seal Type	Liquid seal		
Air Intake System Vapor Storage Device?	Yes	Air Intake System Vapor Storage Device Description	Hydrocarbon trap
Fuel System Vapor Storage Canister?	Yes	Other Vapor Storage	--
Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)	215	Number of Primary Canisters	1
Number of Bleed Canisters	1	Bleed Canister Total Working Capacity (grams)	1
Mfr Evaporative/Refueling Family Comments	(3.5L GTDI & 3.5L PFDI ; 30.8 Gal. Tank; Complete and Incomplete ; ORVR)		
Leak Family Details			
Leak Family Indicator	Yes		
Canister Bleed Test Indicator	Yes	Applicability of Evaporative Canister Bleed Test	50 State
Evaporative Canister Bleed Test Comments	--		
CARB Fuel Only (Rig) Test Indicator	No	Applicability of CARB Fuel Only (Rig) Test	--
CARB Fuel Only (Rig) Test Comments	--		
Leak Family Name	Applicability of Leak Family Requirements	Leak Family Standard (inches)	Leak Family Description
VFMXR0215GDJ-001	50 State	0.02	--

Certification Summary Information Report

Test Group		VFMXD03.56BG		Evaporative/Refueling Family		VFMXR0215GDJ	
Models Covered by this Certificate							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Ford Motor Company	1 - Ford	437 - TRANSIT T150 VAN 4WD	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	455 - TRANSIT T250 VAN 2WD	California + CAA Section 177 states	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	437 - TRANSIT T150 VAN 4WD	Federal	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	457 - TRANSIT T250 VAN 4WD	Federal	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	455 - TRANSIT T250 VAN 2WD	Federal	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	472 - TRANSIT T350 WAGON 4WD	Federal	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	457 - TRANSIT T250 VAN 4WD	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	470 - TRANSIT T350 WAGON 2WD	California + CAA Section 177 states	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	435 - TRANSIT T150 VAN 2WD	California + CAA Section 177 states	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	467 - TRANSIT T350 VAN 4WD	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	472 - TRANSIT T350 WAGON 4WD	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	435 - TRANSIT T150 VAN 2WD	Federal	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	470 - TRANSIT T350 WAGON 2WD	Federal	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	465 - TRANSIT T350 VAN 2WD	California + CAA Section 177 states	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	467 - TRANSIT T350 VAN 4WD	Federal	All Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	465 - TRANSIT T350 VAN 2WD	Federal	2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Engine Description							
Hybrid Type		--		Hybrid Description		--	
Engine Type		4-Stroke Spark Ignition		Mfr Engine Description		--	
Engine Block Arrangement		V-shaped engine		Mfr Engine Block Arrangement Description		3.5L V6	
Camless Valvetrain Indicator		No		Oil Viscosity/Classification		SAE 5W-20 / ILSAC GF-7	
Number of Cylinders/Rotors		6		Mechanically Variable Compression Ratio Indicator		N	

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ
After Treatment Device(s) (ATD)			
ATD Number	ATD Type	ATD Precious Metal	Substrate Material
1	Three-way catalyst	Platinum + Palladium + Rhodium	Ceramic
2	Three-way catalyst	Palladium + Rhodium	Ceramic
3	Three-way catalyst	Platinum + Palladium + Rhodium	Ceramic
4	Three-way catalyst	Palladium + Rhodium	Ceramic
Mfr After Treatment Device (ATD) Comments			
2TWC			
Direct Ozone Reduction (DOR) Device			
Not Equipped			
Mfr Emission Control Device Comments			
--			
Engine Configuration Number 1			
Engine Displacement (liters)	3.5	Engine Rated Horsepower	275
Number of Inlet Valves Per Cylinder	2	Number of Exhaust Valves Per Cylinder	2
Air Aspiration Method	Naturally Aspirated	Number of Air Aspiration Devices	--
Air Aspiration Device Configuration	--	Charge Air Cooler Type	N/A
Air Aspiration Drive Method(s)	Mechanical		
Cylinder Deactivation	No		
Cylinder Deactivation Description	--		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	Intake and Exhaust		
Variable Valve Lift?	No		
Variable Valve Lift System Description	--		
Number of Knock Sensors	2	Number of Air/Fuel Sensors	4
Air/Fuel Sensor # 1 Type	Heated air fuel	Air/Fuel Sensor # 1 Description	--
Air/Fuel Sensor # 2 Type	Heated air fuel	Air/Fuel Sensor # 2 Description	--
Air/Fuel Sensor # 3 Type	Heated oxygen	Air/Fuel Sensor # 3 Description	--
Air/Fuel Sensor # 4 Type	Heated oxygen	Air/Fuel Sensor # 4 Description	--
Mfr Air/Fuel Sensor Comments	--		
Exhaust Gas Recirculation	Yes	Cooled Exhaust Gas Recirculation	No
EGR Type	Electronic/Electric	Exhaust Gas Recirculation Description if 'Other'	--
Closed Loop Air Injection System	No		
Air Injection Type	Not Applicable	Air Injection Type if 'Other'	--
Mfr Engine Configuration Comments	--		

Certification Summary Information Report

Test Group		VFMXD03.56BG				Evaporative/Refueling Family			VFMXR0215GDJ		
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
Gasoline		TFMX10089951	TFMX10089953	TFMX10089954	--	TFMX10089952	--	228.2	--	286.1	1.0
SFTP LEV-III Official Test Numbers											
Test Group Fuel		FTP		US06		SC03					
Gasoline		TFMX10089951		TFMX10089953		TFMX10089954					

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Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ						
Emission Control Device Comments	T20-0147-01 T350 >10K (30.8 gal fuel tank)								
Manufacturer Test Vehicle Comments	T350 Regular Cab 195/75R16C representing T350 Incomplete 205/75R16								
Test #	LFMX10075474	Test Procedure	65 - Evap Canister Bleed Test						
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)						
Test Date	04/27/2022	Fuel	Gasoline						
Fuel Batch ID	--	Fuel Calibration Number	--						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	APTL								
E10 Evaporative Test Measurement Method	--								
Test Start Odometer Reading	4001	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No						
Test Results									
<table border="1"> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> <tr> <td>HC-TOTAL (Total Hydrocarbon)</td> <td>0.004</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC-TOTAL (Total Hydrocarbon)	0.004	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL (Total Hydrocarbon)	0.004	--							
Manufacturer Test Comments									
Measured NMOG BETP E10 Evaporative Test Measurement Methos is "Total Hydrocarbon(THC)"									
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail	
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL	0.0040	0	0.004	0.030	Pass	
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	HC-TOTAL	0.0040	0	0.004	0.030	Pass	

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ					
Emission Data Vehicle Information								
Vehicle ID / Configuration	LTH1-3.5-J-448 / 0	Manufacturer Vehicle Configuration Number	0					
Original Test Group Name	LFMXT03.55HM	Original Evaporative/Refueling Family	LFMXR0215GDH					
Original Test Vehicle Model Year	2020							
Vehicle Model								
Represented Test Vehicle Make	Ford	Represented Test Vehicle Model	T150 Transit Van MDPV					
Leak Family Details								
Leak Family Identifier	--	Leak Family Name	--					
Drive Sources and Fuel System Details								
	<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Combustion Engine</td> <td>Gasoline, Ethanol</td> </tr> </tbody> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline, Ethanol	
Drive Source and Fuel#	Drive Source	Fuel						
1	Combustion Engine	Gasoline, Ethanol						
Hybrid Indicator	No							
Multiple Fuel Storage	Fuels Stored Together	Multiple Fuel Combustion	Fuels Combusted Together					
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--					
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--					
Off-board charge Capable Indicator	--							
Odometer Correction -- Initial	0	Odometer Correction Factor	1.03					
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor							
Odometer Correction Units	Miles							
Engine Code	LTTHKXNB91	Rated Horsepower	275					
Displacement (liters)	3.5							
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	Part-time 4-Wheel Drive					
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)					
Curb Weight (lbs)	6276	Equivalent Test Weight (pounds)	6500					
GVWR (lbs)	8550	N/V Ratio	32.3					
Axle Ratio	4.1							
Transmission Type	Semi-Automatic	# of Transmission Gears	10					
Transmission Lockup	Yes	Creep Gear	No					

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ
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Dynamometer Coefficients:

Coefficient Category	Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	64.27	0.4695	0.04565	39.41	0.103	0.04676	26.9
Cold CO	64.27	0.4695	0.04565	39.41	0.103	0.04676	N/A
US06	64.27	0.4695	0.04565	39.41	0.103	0.04676	N/A

Emission Control Device Comments	4K Cert E10 T20-0089-01 / E85 T20-0092-01
Manufacturer Test Vehicle Comments	Transit AWD MDPV (30.8 gal tank)

Test #	LFMX10060451	Test Procedure	34 - Federal fuel 3-day evap
Exhaust Test # for this Evap Test	LFMX10060151	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	04/12/2019	Fuel	Gasoline
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)		
Test Start Odometer Reading	4963	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
OMHCE (Organic material Hydrocarbon Equivalent)	0.2022	--
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.2022	--

Manufacturer Test Comments	--
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Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.2022	0.0000	0.202	0.600	Pass
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.2022	0.0000	0.202	0.600	Pass

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ									
Test #	LFMX10060460	Test Procedure	32 - Federal Fuel Running Loss									
Exhaust Test # for this Evap Test	LFMX10060151	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)									
Test Date	04/12/2019	Fuel	Gasoline									
Fuel Batch ID	--	Fuel Calibration Number	--									
Vehicle Class	N/A	DF Type	Mfr. Determined									
Verify Test Lab ID	APTL											
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)											
Test Start Odometer Reading	4963	Odometer Units	M									
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--									
State of Charge Delta	No											
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No									
Test Results												
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>OMHCE (Organic material Hydrocarbon Equivalent)</td> <td>0</td> <td>--</td> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	OMHCE (Organic material Hydrocarbon Equivalent)	0	--	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)										
OMHCE (Organic material Hydrocarbon Equivalent)	0	--										
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0	--										
Manufacturer Test Comments --												
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail				
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.000	0.000	0.00	0.05	Pass				
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.000	0.000	0.00	0.05	Pass				

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ									
Test #	LFMX10060466	Test Procedure	24 - Federal fuel refueling test (ORVR)									
Exhaust Test # for this Evap Test	LFMX10060151	Test Fuel Type	59 - Tier 3 E10 Premium Gasoline (10 RVP-FFV ORVR Only)									
Test Date	03/04/2019	Fuel	Gasoline									
Fuel Batch ID	--	Fuel Calibration Number	--									
Vehicle Class	N/A	DF Type	Mfr. Determined									
Verify Test Lab ID	APTL											
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)											
Test Start Odometer Reading	4804	Odometer Units	M									
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--									
State of Charge Delta	--											
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No									
Test Results												
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>OMHCE (Organic material Hydrocarbon Equivalent)</td> <td>0.009</td> <td>--</td> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.009</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	OMHCE (Organic material Hydrocarbon Equivalent)	0.009	--	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.009	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)										
OMHCE (Organic material Hydrocarbon Equivalent)	0.009	--										
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.009	--										
Manufacturer Test Comments												
ORVR test												
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail				
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.009	0.000	0.01	0.20	Pass				
CA	150,000 miles	California LEV-III Zero Evap (Option 2)	OMHCE	0.009	0.000	0.01	0.20	Pass				

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ
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Emission Data Vehicle Information

Vehicle ID / Configuration	TTH1-3.5-J-380 / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	TFMXD03.56BG	Original Evaporative/Refueling Family	TFMXR0185NDJ
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	Ford	Represented Test Vehicle Model	T350 Chassis Cab
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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	Combustion Engine	Gasoline

Hybrid Indicator	No		
Multiple Fuel Storage	--	Multiple Fuel Combustion	Fuels Combusted Together
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--
Off-board charge Capable Indicator	--		
Odometer Correction -- Initial	0	Odometer Correction Factor	1.03
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	TTHKXNJ0000	Rated Horsepower	275
Displacement (liters)	3.5		
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, Rear
Shift Indicator Light Usage	Not equipped	Aged Emission Components	150,000 (mi)
Curb Weight (lbs)	4285	Equivalent Test Weight (pounds)	8500
GVWR (lbs)	9500	N/V Ratio	32.2
Axle Ratio	4.1		
Transmission Type	Semi-Automatic	# of Transmission Gears	10
Transmission Lockup	Yes	Creep 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	59.06	0.3508	0.06768	32.02	0.0707	0.06852	32.8
US06	59.06	0.3508	0.06768	32.02	0.0707	0.06852	N/A

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Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ
Test #	TFMX10089951	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	03/05/2025	Fuel	Gasoline
Fuel Batch ID	373-B	Fuel Calibration Number	102
Vehicle Class	HDV1 (Federal HD chassis Class 2b GVW 8501-10000), MDV6 (Cal. LEV 2/3/4 MDV GVW 8501-10000)	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4927	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	681.91579	--
FE BAG 1 (Bag 1 Fuel Economy)	12.737346	12.737346
CO2 BAG 2 (Bag 2 Carbon Dioxide)	611.62474	--
FE BAG 2 (Bag 2 Fuel Economy)	14.217043	14.217043
CO2 BAG 3 (Bag 3 Carbon Dioxide)	615.324117	--
FE BAG 3 (Bag 3 Fuel Economy)	14.157006	14.157006
METHANE (CH4 - Methane)	0.018676	--
CO (Carbon Monoxide)	0.728788	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.258574	--
DT-EER (Drive Trace Energy Economy Rating)	-0.272882	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.336089	--
HCHO (Formaldehyde)	0.0003	--
MFR FE (Manufacturer Fuel Economy)	13.9	13.9
NOX (Nitrogen Oxide)	0.049608	--
N2O (Nitrous Oxide)	0.0049	--
HC-NM (Non-methane Hydrocarbon)	0.021587	--
NMOG (Non-methane organic gases)	0.023766	--
PM (Particulate Matter)	0.001522	--
HC-TOTAL (Total Hydrocarbon)	0.039389	--

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Certification Summary Information Report

Test Group		VFMXD03.56BG			Evaporative/Refueling Family					VFMXR0215GDJ		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	CO	0.73	--	--	--	--	--	0.7	3.2	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	CO-COMP	10.04	--	--	--	--	--	10.0	12.0	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	CO2	999	--	--	--	0.0	--	999	--	--
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	HCHO	0.0003	--	--	--	--	--	0.000	0.006	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG	0.0238	--	1.1	--	--	--	0.024	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG+NOX	0.0734	--	--	--	--	--	0.073	0.150	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG+NOX-COMP	0.0927	--	--	--	--	--	0.093	0.450	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NOX	0.0496	--	--	--	--	--	0.050	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	PM	0.0015	--	--	--	--	--	0.002	0.008	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	PM-COMP	0.0027	--	--	--	--	--	0.003	0.010	Pass
CA	150,000 miles	California LEV-III SULEV150	CO	0.73	--	--	--	--	--	0.7	3.2	Pass
CA	150,000 miles	California LEV-III SULEV150	CO-COMP	10.04	--	--	--	--	--	10.0	12.0	Pass
CA	150,000 miles	California LEV-III SULEV150	CO2	999	--	--	--	0.0	--	999	--	--
CA	150,000 miles	California LEV-III SULEV150	HCHO	0.0003	--	--	--	--	--	0.000	0.006	Pass
CA	150,000 miles	California LEV-III SULEV150	NMOG	0.0238	--	1.1	--	--	--	0.024	999.999	Pass
CA	150,000 miles	California LEV-III SULEV150	NMOG+NOX	0.0734	--	--	--	--	--	0.073	0.150	Pass
CA	150,000 miles	California LEV-III SULEV150	NMOG+NOX-COMP	0.0927	--	--	--	--	--	0.093	0.450	Pass
CA	150,000 miles	California LEV-III SULEV150	NOX	0.0496	--	--	--	--	--	0.050	999.999	Pass

Certification Summary Information Report

Test Group		VFMXD03.56BG				Evaporative/Refueling Family				VFMXR0215GDJ		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
CA	150,000 miles	California LEV-III SULEV150	PM	0.0015	--	--	--	--	--	0.002	0.008	Pass
CA	150,000 miles	California LEV-III SULEV150	PM-COMP	0.0027	--	--	--	--	--	0.003	0.010	Pass

NOTE: For Non-charge depleting tests, the Rounded Result for CO2 Emission name is a Verify-calculated value.

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ
Test #	TFMX10089956	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	03/18/2025	Fuel	Gasoline
Fuel Batch ID	CERT_5	Fuel Calibration Number	177
Vehicle Class	HDV1 (Federal HD chassis Class 2b GVW 8501-10000), MDV6 (Cal. LEV 2/3/4 MDV GVW 8501-10000)	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4990	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	683.140015	--
FE BAG 1 (Bag 1 Fuel Economy)	12.947125	12.947125
CO2 BAG 2 (Bag 2 Carbon Dioxide)	615.653992	--
FE BAG 2 (Bag 2 Fuel Economy)	14.459871	14.459871
CO2 BAG 3 (Bag 3 Carbon Dioxide)	619.265991	--
FE BAG 3 (Bag 3 Fuel Economy)	14.390978	14.390978
METHANE (CH4 - Methane)	0.023524	--
CO (Carbon Monoxide)	1.57066	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.038976	--
DT-EER (Drive Trace Energy Economy Rating)	-0.671868	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.53795	--
MFR FE (Manufacturer Fuel Economy)	14.1	14.1
NOX (Nitrogen Oxide)	0.050763	--
N2O (Nitrous Oxide)	0.0058	--
HC-NM (Non-methane Hydrocarbon)	0.040536	--
NMOG (Non-methane organic gases)	0.042158	--
HC-TOTAL (Total Hydrocarbon)	0.062459	--

Certification Summary Information Report

Test Group		VFMXD03.56BG			Evaporative/Refueling Family					VFMXR0215GDJ		
		Test Result Name		Unrounded Test Result			Verify Calculated CREE/OPT-CREE					
		Carbon-Related Exhaust Emissions		634			634					
		Optional Carbon-Related Exhaust Emissions		636			636					
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		630.7			--					
Manufacturer Test Comments		--										
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	CO	1.57	--	--	--	--	--	1.6	3.2	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	CO2	634	--	--	--	0.0	--	634	--	--
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG	0.0422	--	1.1	--	--	--	0.042	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG+NOX	0.0930	--	--	--	--	--	0.093	0.150	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NOX	0.0508	--	--	--	--	--	0.051	999.999	Pass
CA	150,000 miles	California LEV-III SULEV150	CO	1.57	--	--	--	--	--	1.6	3.2	Pass
CA	150,000 miles	California LEV-III SULEV150	CO2	634	--	--	--	0.0	--	634	--	--
CA	150,000 miles	California LEV-III SULEV150	NMOG	0.0422	--	1.1	--	--	--	0.042	999.999	Pass
CA	150,000 miles	California LEV-III SULEV150	NMOG+NOX	0.0930	--	--	--	--	--	0.093	0.150	Pass
CA	150,000 miles	California LEV-III SULEV150	NOX	0.0508	--	--	--	--	--	0.051	999.999	Pass
NOTE: For Non-charge depleting tests, the Rounded Result for CO2 Emission name is a Verify-calculated value.												

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ
Test #	TFMX10089952	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	03/05/2025	Fuel	Gasoline
Fuel Batch ID	373-B	Fuel Calibration Number	102
Vehicle Class	HDV1 (Federal HD chassis Class 2b GVW 8501-10000), MDV6 (Cal. LEV 2/3/4 MDV GVW 8501-10000)	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4927	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
METHANE (CH4 - Methane)	0.010702	--	
CO (Carbon Monoxide)	0.527948	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.424111	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.280209	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.666928	--	
HCHO (Formaldehyde)	0	--	
MFR FE (Manufacturer Fuel Economy)	17.9	17.9	
NOX (Nitrogen Oxide)	0.017605	--	
N2O (Nitrous Oxide)	0.0046	--	
HC-NM (Non-methane Hydrocarbon)	0.006064	--	
NMOG (Non-methane organic gases)	0.006246	--	
HC-TOTAL (Total Hydrocarbon)	0.016265	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	486	999	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	485	--	
Manufacturer Test Comments	--		

Certification Summary Information Report

Test Group		VFMXD03.56BG			Evaporative/Refueling Family					VFMXR0215GDJ		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	CO2	999	--	--	--	0.0	--	999	--	--
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG	0.0062	--	1.03	--	--	--	0.006	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG+NOX	0.0238	--	--	--	--	--	0.024	0.150	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NOX	0.0176	--	--	--	--	--	0.018	999.999	Pass
CA	150,000 miles	California LEV-III SULEV150	CO2	999	--	--	--	0.0	--	999	--	--
CA	150,000 miles	California LEV-III SULEV150	NMOG	0.0062	--	1.03	--	--	--	0.006	999.999	Pass
CA	150,000 miles	California LEV-III SULEV150	NMOG+NOX	0.0238	--	--	--	--	--	0.024	0.150	Pass
CA	150,000 miles	California LEV-III SULEV150	NOX	0.0176	--	--	--	--	--	0.018	999.999	Pass

NOTE: For Non-charge depleting tests, the Rounded Result for CO2 Emission name is a Verify-calculated value.

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ																																				
Test #	TFMX10089958	Test Procedure	3 - HWFE																																				
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline																																				
Test Date	03/18/2025	Fuel	Gasoline																																				
Fuel Batch ID	CERT_5	Fuel Calibration Number	177																																				
Vehicle Class	HDV1 (Federal HD chassis Class 2b GVW 8501-10000), MDV6 (Cal. LEV 2/3/4 MDV GVW 8501-10000)	DF Type	Mfr. Determined																																				
Verify Test Lab ID	APTL																																						
E10 Evaporative Test Measurement Method	--																																						
Test Start Odometer Reading	4990	Odometer Units	M																																				
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--																																				
State of Charge Delta	--																																						
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes																																				
Test Results																																							
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>METHANE (CH4 - Methane)</td> <td>0.014937</td> <td>--</td> </tr> <tr> <td>CO (Carbon Monoxide)</td> <td>0.803671</td> <td>--</td> </tr> <tr> <td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td> <td>3.14152</td> <td>--</td> </tr> <tr> <td>DT-EER (Drive Trace Energy Economy Rating)</td> <td>0.421384</td> <td>--</td> </tr> <tr> <td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td> <td>5.46076</td> <td>--</td> </tr> <tr> <td>MFR FE (Manufacturer Fuel Economy)</td> <td>17.8</td> <td>17.8</td> </tr> <tr> <td>NOX (Nitrogen Oxide)</td> <td>0.040295</td> <td>--</td> </tr> <tr> <td>N2O (Nitrous Oxide)</td> <td>0.0082</td> <td>--</td> </tr> <tr> <td>HC-NM (Non-methane Hydrocarbon)</td> <td>0.012765</td> <td>--</td> </tr> <tr> <td>NMOG (Non-methane organic gases)</td> <td>0.013276</td> <td>--</td> </tr> <tr> <td>HC-TOTAL (Total Hydrocarbon)</td> <td>0.026686</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	METHANE (CH4 - Methane)	0.014937	--	CO (Carbon Monoxide)	0.803671	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	3.14152	--	DT-EER (Drive Trace Energy Economy Rating)	0.421384	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	5.46076	--	MFR FE (Manufacturer Fuel Economy)	17.8	17.8	NOX (Nitrogen Oxide)	0.040295	--	N2O (Nitrous Oxide)	0.0082	--	HC-NM (Non-methane Hydrocarbon)	0.012765	--	NMOG (Non-methane organic gases)	0.013276	--	HC-TOTAL (Total Hydrocarbon)	0.026686	--
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Carbon-Related Exhaust Emissions	500	500																																					
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Test Result Name	Unrounded Test Result	Verify Calculated CO2																																					
Carbon dioxide	499.3	--																																					
Manufacturer Test Comments	--																																						

Certification Summary Information Report

Test Group		VFMXD03.56BG				Evaporative/Refueling Family				VFMXR0215GDJ		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	CO2	500	--	--	--	0.0	--	500	--	--
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG	0.0133	--	1.03	--	--	--	0.013	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NMOG+NOX	0.0536	--	--	--	--	--	0.054	0.150	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 2b Bin 150	NOX	0.0403	--	--	--	--	--	0.040	999.999	Pass
CA	150,000 miles	California LEV-III SULEV150	CO2	500	--	--	--	0.0	--	500	--	--
CA	150,000 miles	California LEV-III SULEV150	NMOG	0.0133	--	1.03	--	--	--	0.013	999.999	Pass
CA	150,000 miles	California LEV-III SULEV150	NMOG+NOX	0.0536	--	--	--	--	--	0.054	0.150	Pass
CA	150,000 miles	California LEV-III SULEV150	NOX	0.0403	--	--	--	--	--	0.040	999.999	Pass

NOTE: For Non-charge depleting tests, the Rounded Result for CO2 Emission name is a Verify-calculated value.

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ
Test #	TFMX10089953	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	03/05/2025	Fuel	N/A
Fuel Batch ID	373-B	Fuel Calibration Number	102
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4959	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	1190.177947	--	
FE BAG 1 (Bag 1 Fuel Economy)	6.707202	6.707202	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	726.721627	--	
FE BAG 2 (Bag 2 Fuel Economy)	11.406756	11.406756	
METHANE (CH4 - Methane)	0.053318	--	
CO (Carbon Monoxide)	33.682893	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.446672	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.899042	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.97968	--	
MFR FE (Manufacturer Fuel Economy)	9.9	9.9	
NOX (Nitrogen Oxide)	0.111051	--	
HC-NM (Non-methane Hydrocarbon)	0.042596	--	
NMOG (Non-methane organic gases)	0.043874	--	
PM (Particulate Matter)	0.004981	--	
HC-TOTAL (Total Hydrocarbon)	0.093416	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	882	--	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	829.4	--	
Manufacturer Test Comments	--		

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ
Test #	TFMX10089954	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	03/12/2025	Fuel	N/A
Fuel Batch ID	373-B	Fuel Calibration Number	102
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4975	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
METHANE (CH4 - Methane)	0.024912	--	
CO (Carbon Monoxide)	0.971636	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.082182	--	
DT-EER (Drive Trace Energy Economy Rating)	0.673293	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.67587	--	
MFR FE (Manufacturer Fuel Economy)	12.1	12.1	
NOX (Nitrogen Oxide)	0.040906	--	
HC-NM (Non-methane Hydrocarbon)	0.022215	--	
NMOG (Non-methane organic gases)	0.022882	--	
PM (Particulate Matter)	0.002045	--	
HC-TOTAL (Total Hydrocarbon)	0.045956	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	723	--	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	720.6	--	
Manufacturer Test Comments	--		

Certification Summary Information Report

Test Group	VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ
Fuel Properties			
Fuel Batch ID	373-B	Fuel Calibration Number	102
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	02/27/2025
Fuel Batch Calibration Effective Date	02/27/2025	Fuel Batch Calibration Ineffective Date	12/31/2100
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.75
Fuel Ethanol Volume Percent (%)	10.2	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17847
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.828	Weight Fraction CO2	--
Fuel Batch ID	CERT_5	Fuel Calibration Number	177
Test Fuel Type	61 - Tier 2 Cert Gasoline	Fuel Batch Calibration Date	01/22/2025
Fuel Batch Calibration Effective Date	01/22/2025	Fuel Batch Calibration Ineffective Date	12/31/2100
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.744
Fuel Ethanol Volume Percent (%)	--	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18339
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.865	Weight Fraction CO2	--

Certification Summary Information Report

Test Group		VFMXD03.56BG			Evaporative/Refueling Family		VFMXR0215GDJ		
Consolidated List of Standards									
Exhaust Standards									
Cert Region		Federal			Cert/In-Use Code		Both		
Vehicle Class		HDV1 (Federal HD chassis Class 2b GVW 8501-10000)			Standard Level		Federal Tier 3 HD Class 2b Bin 150		
Fuel		Gasoline			Test Procedure		Federal fuel 2-day exhaust (w/can load)		
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	--	3.2
150,000 miles	CO-COMP	--	--	--	--	--	--	--	12.0
150,000 miles	CO2	--	--	--	--	--	--	0.0	999.999
150,000 miles	HCHO	--	--	--	--	--	--	--	0.006
150,000 miles	METHANE-COMB	--	--	--	--	--	--	--	0.05
150,000 miles	N2O-COMB	--	--	--	--	--	--	--	0.05
150,000 miles	NMOG	--	--	1.1	--	--	--	--	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.150
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.450
150,000 miles	NOX	--	--	--	--	--	--	--	999.999
150,000 miles	PM	--	--	--	--	--	--	--	0.008
150,000 miles	PM-COMP	--	--	--	--	--	--	--	0.010

Certification Summary Information Report

Test Group		VFMXD03.56BG			Evaporative/Refueling Family			VFMXR0215GDJ	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		MDV6 (Cal. LEV 2/3/4 MDV GVW 8501-10000)			Standard Level			California LEV-III SULEV150	
Fuel		Gasoline			Test Procedure			Federal fuel 2-day exhaust (w/can load)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	--	3.2
150,000 miles	CO-COMP	--	--	--	--	--	--	--	12.0
150,000 miles	CO2	--	--	--	--	--	--	0.0	999.999
150,000 miles	HCHO	--	--	--	--	--	--	--	0.006
150,000 miles	METHANE-COMB	--	--	--	--	--	--	--	0.05
150,000 miles	N2O-COMB	--	--	--	--	--	--	--	0.05
150,000 miles	NMOG	--	--	1.1	--	--	--	--	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.150
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.450
150,000 miles	NOX	--	--	--	--	--	--	--	999.999
150,000 miles	PM	--	--	--	--	--	--	--	0.008
150,000 miles	PM-COMP	--	--	--	--	--	--	--	0.010

Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		HDV1 (Federal HD chassis Class 2b GVW 8501-10000)			Standard Level			Federal Tier 3 HD Class 2b Bin 150	
Fuel		Gasoline			Test Procedure			HWFE	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO2	--	--	--	--	--	--	0.0	999.999
150,000 miles	NMOG	--	--	1.03	--	--	--	--	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.150
150,000 miles	NOX	--	--	--	--	--	--	--	999.999

Certification Summary Information Report

Test Group	VFMXD03.56BG			Evaporative/Refueling Family			VFMXR0215GDJ		
Cert Region	California + CAA Section 177 states			Cert/In-Use Code			Both		
Vehicle Class	MDV6 (Cal. LEV 2/3/4 MDV GVW 8501-10000)			Standard Level			California LEV-III SULEV150		
Fuel	Gasoline			Test Procedure			HWFE		
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO2	--	--	--	--	--	--	0.0	999.999
150,000 miles	NMOG	--	--	1.03	--	--	--	--	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.150
150,000 miles	NOX	--	--	--	--	--	--	--	999.999

Evaporative/Refueling Standards

Evaporative/Refueling Family		VFMXR0215GDJ		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Federal Fuel Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result		Std	Add DF	
Gasoline	150,000 miles	OMHCE	--		0.05	0.000	

Evaporative/Refueling Family		VFMXR0215GDJ		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	OMHCE	--	0.600	0.0000		

Evaporative/Refueling Family		VFMXR0215GDJ		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Federal fuel refueling test (ORVR)					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	OMHCE	--	0.20	0.000		

Certification Summary Information Report

Test Group		VFMXD03.56BG		Evaporative/Refueling Family		VFMXR0215GDJ	
Evaporative/Refueling Family		VFMXR0215GDJ		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal fuel 3-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.600	0.0000		
Evaporative/Refueling Family		VFMXR0215GDJ		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Federal fuel 3-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	OMHCE	--	0.600	0.0000		
Evaporative/Refueling Family		VFMXR0215GDJ		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		Evap Canister Bleed Test					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL	--	0.030	0		
Evaporative/Refueling Family		VFMXR0215GDJ		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal fuel refueling test (ORVR)					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.20	0.000		
Evaporative/Refueling Family		VFMXR0215GDJ		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.600	0.0000		
Evaporative/Refueling Family		VFMXR0215GDJ		Cert Region		Federal	
Cert/In-Use Code		Both		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal Fuel Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0.000		

Certification Summary Information Report

Test Group		VFMXD03.56BG		Evaporative/Refueling Family		VFMXR0215GDJ	
Evaporative/Refueling Family		VFMXR0215GDJ		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Both		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Evap Canister Bleed Test					
Fuel		Useful Life		Emission Name		Std	
Gasoline		150,000 miles		HC-TOTAL		0.030	
				Rounded Result		Add DF	
				--		0	

Certification Summary Information Report

Test Group		VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ
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		VFMXD03.56BG	Evaporative/Refueling Family		VFMXR0215GDJ
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		VFMXD03.56BG	Evaporative/Refueling Family	VFMXR0215GDJ
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		VFMXD03.56BG	Evaporative/Refueling Family		VFMXR0215GDJ
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	



SECTION 8

Emission Testing Waiver Statements

Refer to Section 14.01.00.00 of the Common Section for
Statements of Compliance.



SECTION 8

Emission Testing Waiver Statements and Statements of Compliance

Statement of Compliance for test group VFMXD03.56BG

Ford Motor Company's test and production vehicles do not have defeat devices. All AECDs have been declared and described in the application. This test group has been designed and engineered to comply with 40 CFR 86.1809-12 (prohibition of defeat devices), satisfies 40 CFR 86.1844-01 (application submittal requirements for AECDs), and does not utilize alternate emissions control maps that are unique for testing purposes relative to on-road operation.

Is the transmission part of any AECD, for example, by receiving outputs from the ECU or providing inputs to the ECU, in any emission control strategy, for example, engine and/or catalyst warm-up?

If yes, please describe, including purpose, entry/exit conditions, actuations, and justifications.

Ford describes the transmission controls and potential interaction effects within the confidential AECD documentation found in section 16.05.00 of the common section area of the application submittals. This documentation covers the purpose, inputs, controlled actions, and justifications. For example, as referenced in the Drive Speed Control section of that document, the transmission can receive requests from the ECU to delay upshifts based on cold engine coolant temperature and/or low inferred catalyst temperature to assist with engine or catalyst warm-up.

Does the transmission behave and perform the same as, or differently than, while on road versus on a dynamometer?

Please explain any differences.

Ford does not attempt to discern whether the vehicle is operating on a dynamometer or on the road. However, there are certain conditions that can cause the transmission to operate differently based on the sensed inputs that may not be encountered during dynamometer testing. For example, when climbing grades or when towing, the transmission will make gear ratio adjustments to compensate against excessive engine lugging and reduced vehicle response. There can also be unique transmission scheduling in different customer selectable drive modes, such as EcoSelect, Sport, Snow, Rock Crawl, etc. The types of conditions that are anticipated to cause transmission adjustments are described in the confidential AECD descriptions located in 16.05.00 of the common section. For customer-selectable drive modes that could reasonably be driven over emission test cycles, Ford evaluates emission performance to assure that these modes meet applicable emission standards.

Special dynamometer test modes are required for certain vehicle technologies such as start/stop and HEVs to assure that fault conditions are not set while operating on two-wheel drive dynamometers. This allows the vehicles to behave normally, as they would on the road, rather than causing default/FMEM actions to occur due to significant wheel speed differences between the front and rear axles.

Ford Motor Company attests that all vehicles within the Test Group/Engine Family will meet the SC03 NMOG+NOx and CO exhaust standards for the full useful life of the vehicle when tested in accordance with the "California 2026 and Subsequent Model Year Criteria Pollutant Exhaust Emission Standards and Test Procedures for Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

For additional statements of compliance, please refer to Section 14.01.00.00 of the Common Section.

Statement of Compliance

2-Day Diurnal Evaporative Certification Test (VFMXR0185NDJ, VFMXR215GDJ)

Based on engineering evaluation of development 2-Day diurnal evaporative emissions test data, the applicable test group complies with evaporative emission standard for the supplemental two-diurnal test sequence for as described in CFR 86.1829-01



SECTION 9

OBD-II System Description

For a description of the OBD System utilized for this Test Group, refer to Section 16.06.00.00 of the Common Section.



SECTION 10

Description of Alternate-Fueled Vehicles

For a description of the Alternate-Fueled vehicles covered by this Test Group, refer to Section 12.00.00.00 (Description of Vehicles Covered by Certificate and Test Parameters) of this Application.



SECTION 11

AECD Description

For a description of the AECDs utilized in this Test Group,
refer to Section 16.00.05.00 of this application,
and 16.05 of the Common Section.



SECTION 12

Description of Vehicles Covered by Certificate and Testing Parameters

Common Family Parameters – Test Group: VFMXD03.56BG

Vehicle Program: 2027 MY 3.5L PFDI Transit

Test Group Information	
Vehicle/Engine Class	HDV
Vehicle Fuel Category	Single Fuel
Operating Fuel 1	Gas
Engine Displacement (liters)	3.5L
Engine Cooling medium	WSS-M97B57-A1
SAE net HP @ RPM	275 @ 6500
SAE net torque ft-lb @ RPM	262 @ 3750
Cylinder Deactivation	N
Variable Valve Timing (VVT)	Intake& Exhaust
Variable Valve Lift	No
Number of Inlet Valves Per Cylinder	2
Number of Exhaust Valves Per Cylinder	2
Air Aspiration Method*	Naturally Aspirated
Number of Air Aspiration Devices	0
Air Aspiration Configuration	N=Single
Charge Air Cooler Type* (TG-51)	NA
Number of Charge Air Cooler	0
Charge Air Cooler Configuration	NA

Exhaust Emission Control System:	
Exhaust Gas Recirculation (EGR)*	Yes
Cooled EGR*	No
EGR Type	EEGR=Electronic/Electric
Electronic Controls	PCM
Closed Loop Air Injection System	N
Air injection Type (AIR)*	NA=Not applicable
Location of injected air	None
Direct Ozone Reduction (DOR) Device	NE=Not equipped

Calibrations that Vary with Time or Dist.	See Common Section
Maintenance Schedule	Normal
Compression ratio (nominal)	11:1
Cylinder head design Ref. (08.05)	DOHC

Camshaft Timing: (with VCT fully advanced)	Ti-VCT
Cam Phase – Computer Controlled	
Int valve opens (° BTDC)	-20 BTDC
Int valve closes (° ABDC)	88 ABDC
Int valve duration (°)	248
Int valve maximum lift (mm)	10
Exh valve opens (° BBDC)	74 BBDC
Exh valve closes (° ATDC)	10 ATDC
Exh valve duration (°)	264
Exh valve maximum lift (mm)	10
Valve lash (N/A for RFF)	Int 0.230mm Exh 0.410mm

Fuel Metering System*	Other
	Gasoline Direct (GDI)
	Sequential Fuel (SFI)

After-Treatment Device Information	
After-Treatment Type*	TWC
After-Treatment Configuration	2TWC
After-Treatment Type/size/code	Ref. 16.00.01
Feedback Sensor Type:	
Knock sensor	Yes Qty:2
Thermostat - Start to Open Temp.	90 deg C
Heated oxygen sensor (HO ₂ S)*	Yes Qty:2
Heated Air/Fuel Sensor (WR-HO ₂ S)*	Yes Qty:2
Feedback Sensor Configuration	WR-HO ₂ S, HO ₂ S

* VECI label item

Calibration Descriptions – VFMXD03.56BG

Exhaust Calibration	Evaporative Family	Application	Transmission	Leak Check	Vehicle
VTTHKXNA05	VFMXR0185NDJ	50S	10R80	0.02	Van/Bus, 2WD, Single Fuel Tank
VTTHKXNB05	VFMXR0185NDJ	50S	10R80	0.02	Van, 2WD, Single Fuel Tank, 445 Series
VTTHKXNC05	VFMXR0215GDJ	50S	10R80	0.02	Van/Bus, 2WD, Extended Fuel Tank
VTTHKXND05	VFMXR0215GDJ	50S	10R80	0.02	Van, 2WD, Extended Fuel Tank, 445 Series
VTTHKXNE05	VFMXR0185NDJ	50S	10R80	0.02	Van/Bus, AWD, Single Fuel Tank
VTTHKXNF05	VFMXR0185NDJ	50S	10R80	0.02	Van, AWD, Single Fuel Tank, 445 Series
VTTHKXNG05	VFMXR0215GDJ	50S	10R80	0.02	Van/Bus, AWD, Extended Fuel Tank
VTTHKXNH05	VFMXR0215GDJ	50S	10R80	0.02	Van, AWD, Extended Fuel Tank, 445 Series
VTTHKXNJ05	VFMXR0185NDJ	50S	10R80	0.02	CUTAWAY, SINGLE CAB (REGULAR CAB), 2WD, Single Fuel Tank
VTTHKXNK05	VFMXR0185NDJ	50S	10R80	0.02	CUTAWAY, SINGLE CAB (REGULAR CAB), AWD, Single Fuel Tank

Reference Specifications

Spark Plug	Type: CYFS-12F-5 Gap: 1.3mm (+/- 0.05mm)	
Ignition Timing °BTDC (No SPOUT connector)	PCM Controlled	
Idle RPM	PCM Controlled	
Target (Base) in Drive (A/C OFF/A/C ON)	625/625 rpm	Special conditions which may require idle speeds higher than base are listed below. (See Section 16.05 for descriptions of these strategies):
In Neutral	650 rpm	

Potential Idle/Drive Speed Modifier	Function Utilized (Y/N)	Purpose
Low or high air charge temperature	Y	Heater, A/C or engine cooling performance
Low catalyst temperature	N	Achieve/maintain light off
Low engine coolant temperature	Y	Combustion stability
Low or high ambient temperature	Y	Heater or A/C performance
High transmission oil temperature	N	Ensure adequate fluid pressure
Low battery voltage	Y	Avoid stalling or no-start
High Alternator load	Y	Preserve battery life and avoid low voltage
High-speed fan operation	Y	For engine and A/C condenser cooling
Extended neutral idle time	N	Maintain catalyst temperature
Power steering pressure	N	Ensure adequate P/S assistance
High Altitude	Y	Maintain air mass flow to avoid stalling
Alternate calibration	Y	Avoid spark plug fouling during plant/dealer handling
Drive Speed Control or Shift Delay	Y	Increase engine speed to improve cabin heating or cooling
Heated Windshield	N	Maintain charging margin
ETC Failure	Y	Electronic Throttle Failure Min RPM
A/C Adder (25RPM)	Y	NVH Improvement

Emission Component	Sensed Parameter	Controlled Parameter	Justification ¹	Calibration
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ELECTRONICS – PCM²

FUEL				
Fuel Injector (DI)	Signal from PCM	Fuel Flow	N/A	Static Flow Rate: 13.68 g/sec (821 g/min)
Fuel Injector (PFI)	Signal from PCN	Fuel Flow	N/A	Static Flow Rate: 2.1 g/sec (128 g/min)
Fuel Pressure (DI)	Signal from PCM	Fuel Pressure	N/A	200 bar (20 MPa)
Regulated Fuel Pressure (PFI)	Signal from PCM	Fuel Pressure	N/A	380 kpa
Fuel Pump (DI)	Signal from PCM	Fuel Flow	N/A	DI pump: Up to 0.9 cc/rev for 3 lobe, 4.7mm lift (theoretical delivery volume)
Fuel Pump (PFI)	Signal from PCM	Fuel Flow	N/A	194 lph @ 12.5V (Max flow Rate)
Torque Based Electronic Throttle Control	Signal from PCM	None	Operates in FTP	Throttle Diameter: 68 mm

Test Group: VFMXD03.56BG

12.00.02.00 - 1

Issued: March 20, 2026

Revised:

Fuel System Control Strategy²

Air-fuel enrichment for driver torque demand	Throttle Position or Pedal Position or Engine LOAD, and Engine RPM	Air-Fuel Ratio (LAMBSE)	Protection against damage or accident; provides additional power under extended torque demand	See Section 16.00.05.00 for air-fuel calibration (LAMBSE) in function FNWOT_POPCORN_LAM and the entry conditions in function FN311P
Air-Fuel enrichment for driver torque demand delay	Time and Gear	Air-Fuel Ratio (LAMBSE)	Allows time for downshift; limit enrichment to unusual conditions	See Section 16.00.05.00 for delay time calibration FN1311 and the maximum count-up time, OL_DELAYMAX
Air-fuel Enrichment For Catalyst Protection	Inferred Catalyst Temperature	Air-Fuel Ratio (LAMBSE)	Protection against damage	See Section 16.00.05.00 for inferred catalyst temperature to trigger enrichment, either CAT_MAX or CAT_MAX_LO and CAT_MAX_HI and the time delay on CAT_MAX_LO, CAT_TMR_THRES
Air-fuel Enrichment For Engine Protection	Engine Coolant Temperature (ECT)	Air-Fuel Ratio (LAMBSE)	Protection against damage	See Section 16.00.05.00 for max engine coolant temperature to trigger enrichment, ECT_HOT_THRES

Emission Component	Sensed Parameter	Controlled Parameter	Justification ¹	Calibration
Air-fuel Enrichment For O2 Sensor Protection	Inferred Oxygen Sensor Temperature	Air-Fuel Ratio (LAMBSE)	Protection against damage	See Section 16.00.05.00 for inferred O2 Sensor temperature to trigger enrichment, FEGO_MAX
Air-fuel Enrichment For Engine/Exhaust Manifold Protection	Inferred Exhaust Manifold Flange Temperature	Air-Fuel Ratio (LAMBSE)	Protection against damage	See Section 16.00.05.00 for inferred exhaust flange temperature, FLN_MAX or FLN_MAX_LO and FLN_MAX_HI and the time delay on FLN_MAX_LO, FLN_TMR_THRES
Air-fuel Enrichment following Deceleration Fuel Shut-Off (DFSO)	Injector state, inferred catalyst O ₂ stored, and CMS voltage	Air-Fuel Ratio (LAMBSE)	Substantially demonstrated on FTP	See Section 16.00.05.00 for air-fuel ratio utilized following fuel shut-off event, LAM_REACT
<u>CRANKCASE</u> PCV Valve	Manifold Vacuum	Air Flow to Engine	Operates in FTP	EV#:297 1.95-2.55 SCFM @ 2" Hg 1.30-1.90 SCFM @ 8" Hg 0.70-1.10 SCFM @ 15" Hg
PCV Not Heated	Ambient Temp Battery Voltage	PCV Heating	Vehicle Safety	N/A
<u>EGR</u> EGR Valve	EGR valve lift (mm)	EGR valve lift (mm)	Operated in FTP	2.2 kg/h flow @ .3 mm lift 18.2 kg/h flow @ 1.6 mm lift 26.1 kg/h flow @ 2.6 mm lift 32.4 kg/h flow @ 4.0 mm lift
EGR Control Strategy BASE EGR Table	Engine Speed and Load, cam timing, barometric pressure, ambient temperature, engine coolant temperature, manifold pressure	EGR estimated flow	EGR optimized for fuel efficiency within constraints of combustion stability, driveability, component temps, emissions, and vacuum limitations	See Section 16.00.05.00 for HDFX_EGR_IDEAL_FE_xx HDFX_EGR_MAXTOL_STP_xx

Emission Component	Sensed Parameter	Controlled Parameter	Justification¹	Calibration
VCT Control Strategy				
BASE Cam timing	Requested Engine Speed and Load	Cam Phase Timing	Demonstrated on FTP ³	See Section 16.00.05.00 for FNHDFX_BEST_FE_DIST
Cam Timing Limitation for Combustion Stability	Requested Torque and Engine Speed	Cam Phase Timing	Protection against damage or accident	See Section 16.00.05.00 for FNHDFX_VCT_OPSTAB_DIST
Cam Actuator Limitation for Oil Temperature	Oil Temperature; or Time-since-start and ECT-at-start	Cam Phase Timing	Protection against damage or accident	See Section 16.00.05.00 for FNHDFX_VCT_EOT_EXH and FNHDFX_VCT_EOT_INT
Cam Actuator Limitation for start-up	Engine Coolant Temp. at start and time-since-start	Cam Phase Timing	Protection against damage or accident	See Section 16.00.05.00 for FNHDFX_VCT_COMB_STAB_EXH and FNHDFX_VCT_COMB_STAB_INT
Cam Limitation under High Torque Demand	Engine Speed and Requested Torque	Cam Phase Timing or Throttle Position	Protection against damage or accident	See Section 16.00.05.00 for FNHDFX_BEST_DRIVE_DIST
BASE Cam timing	Requested Engine Speed and Load	Cam Phase Timing	Demonstrated on FTP ³	See Section 16.00.05.00 for FNHDFX_BEST_FE_DIST

Emission Component	Sensed Parameter	Controlled Parameter	Justification¹	Calibration
ENGINE COOLING				
Thermostat	Coolant Temperature	Coolant Flow	Engine Protection	Start to Open: 83.7°C – 87.8°C

1 – Justification provided for AECD systems (i.e. sense operating conditions and control the function of an emission component) and not for the individual components.

2 – See Section 16.05 for Strategy Control Systems descriptions

3 – "FTP" represents all tests required for certification

* – indicates that ending characters on some parameter names may vary

2027 MY Exhaust Emissions Parts List

Test Group: VFMXD03.56BG

Initial Certification

Certification Level	Description	Calibrations(s)	Certification code	PCM Assembly Part #	Date
Van/Bus, 2WD, Single Fuel Tank	Initial	VTTHKXNA05	VTTHKXNA0000	PVK41-12A650-XA	3/23/2026
Van, 2WD, Single Fuel Tank, 445 Series	Initial	VTTHKXNB05	VTTHKXNB0000	PVK41-12A650-SA	3/23/2026
Van/Bus, 2WD, Extended Fuel Tank	Initial	VTTHKXNC05	VTTHKXNC0000	PVK41-12A650-VA	3/23/2026
Van, 2WD, Extended Fuel Tank, 445 Series	Initial	VTTHKXND05	VTTHKXND0000	PVK41-12A650-RA	3/23/2026
Van/Bus, AWD, Single Fuel Tank	Initial	VTTHKXNE05	VTTHKXNE0000	PVK41-12A650-ZA	3/23/2026
Van, AWD, Single Fuel Tank, 445 Series	Initial	VTTHKXNF05	VTTHKXNF0000	PVK41-12A650-UA	3/23/2026
Van/Bus, AWD, Extended Fuel Tank	Initial	VTTHKXNG05	VTTHKXNG0000	PVK41-12A650-YA	3/23/2026
Van, AWD, Extended Fuel Tank, 445 Series	Initial	VTTHKXNH05	VTTHKXNH0000	PVK41-12A650-TA	3/23/2026
CUTAWAY, SINGLE CAB (REGULAR CAB), 2WD, Single Fuel Tank	Initial	VTTHKXNJ05	VTTHKXNJ0000	PVK41-12A650-NA	3/23/2026
CUTAWAY, SINGLE CAB (REGULAR CAB), AWD, Single Fuel Tank	Initial	VTTHKXNK05	VTTHKXNK0000	PVK41-12A650-PA	3/23/2026

****ALL OTHER EXHAUST EMISSION PARTS****

Engine Family: VFMXD03.56BG

2027MY 3.5L Ford Transit

<u>Part Name</u>	<u>Part Number</u>
Catalyst	PK41-5F250-AD (RWD) PK41-5F250-BC (AWD)
Fuel Pump (High Pressure)	JL3E-9D376-AB
Fuel Pump (Low Pressure)	LK41-9350-AA
EGR Valve	JL3E-9D475-BB
Fuel Injector (PFI)	JL3E-9F593-AA
Fuel Injector (DI)	HL3E-9G929-AA
Fuel Pressure Sensor (PFI)	RL3E-9G756-AA
Fuel Pressure Sensor (DI)	JL3E-9F972-BA
Electronic Throttle Body (ETB)	HL3E-9F991-AA
UEGO (HAFS)	LK41-9Y460-BC (RWD) LK41-9Y460-HB (AWD) MK41-9Y460-AC
Heated Oxygen Sensor (CMS)	SK41-9G444-AB SK41-9G444-BB (RWD) SK41-9G444-HB (AWD)

	CAP2000 Exhaust Data Vehicle	CAP2000 Evaporative Vehicles	
		Evaporative	
Test Group	TFMXD03.56BG	LFMXT03.55HM	LFMXT03.55HM
Evap Emission Family	TFMXR0185NDJ (24.7 gal)	LFMXR0185NDH (24.7 gal)	LFMXR0215GDH (30.8)
Displacement	3.5L	3.5L	3.5L
Engine Code	TTTHKXNJ0000	LTTHKXNB91	LTTHKXNB91
Fuel Tank Code	24.7 gal	24.7 GAL	30.8 GAL
Exhaust Control System	TWC/WR-HO2S /HO2S/EGR/SFI/DFI	TWC/WR-HO2S /HO2S/EGR/SFI/DFI	TWC/WR-HO2S /HO2S/EGR/SFI/DFI
Model	Transit 350 DRW Van Simulated to Transit 350 Chassis Cab RWD	Transit 150 Wagon AWD	Transit 150 Wagon AWD
Equivelent Test Weight	8500	6500	6500
GVWR	9950	8550 lbs	8550 lbs
THP	32.8	24.1	26.92
DPA	f0 = 59.06	f0 = 51.3	f0 = 64.27
	f1 = 0.3508	f1 = 0.4872	f1 = 0.4695
	f2 = 0.06768	f2 = 0.04363	f2 = 0.04565
Axle Ratio	4.10	3.73	4.10
N/V Ratio - RPM/MPH	32.2	29.4	32.3
Tires	205/75R16	235/65R16C	235/65R16C
Vehicle ID No	TTH1-3.5-J-380	LTH1-3.5-J-429	LTH1-3.5-J-448
Configuration Number	0	0	0
Model Year	2026	2020	2020
Test Performed	FTP, Hwy, US06, SC03	3-Day, R/L, ORVR, Spitback	3-Day, R/L, ORVR, Spitback

Test Group: VFMXD03.56BG

Issued: March 20, 2026

Revised:

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304304	5304361	5304324	5304311	5304305	5304316	5304333	5304325
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000
Fuel Tank(s)	TG	TG	TG	TG	TG	TG	TG	TG
Carline	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Van LR	Reg Van LR	Reg Van LR	Reg Van LR	Reg Van LR	Reg Van LR	Reg Van LR	Reg Van LR
Wheelbase	129.0	129.0	129.0	129.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5041	5041	5041	5041	5175	5175	5175	5175
ETW	5250	5250	5250	5250	5500	5500	5500	5500
Loaded Weight LVW	5341	5341	5341	5341	5475	5475	5475	5475
ALVW-ETW	7000	7000	7000	7000	7000	7000	7000	7000
Adj. Loaded Weight	6856	6856	6921	6921	6923	6923	6988	6988
GVWR	8670	8670	8800	8800	8670	8670	8800	8800
GCWR	10800	12000	10800	12000	10800	12000	10800	12000
Min Axle Ratio	3.73	4.1	3.73	4.1	3.73	4.1	3.73	4.1
Max Axle Ratio	3.73	4.1	3.73	4.1	3.73	4.1	3.73	4.1
Min N/V Ratio	29.4	32.3	29.4	32.3	29.4	32.3	29.4	32.3
Max N/V Ratio	29.4	32.3	29.4	32.3	29.4	32.3	29.4	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3
Max Tire Size	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2086	2086	2086	2086	2113	2113	2113	2113
DAW Empty Tank	1996	1996	1996	1996	2034	2034	2034	2034

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304318	5304352	5304313	5304319	5304488	5304568	5304519	5304545
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000
Fuel Tank(s)	TG	TG	TG	TG	TJ	TJ	TJ	TJ
Carline	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Van MR	Reg Van MR	Reg Van MR	Reg Van MR	Reg Van LR	Reg Van LR	Reg Van LR	Reg Van LR
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5323	5323	5323	5323	5175	5175	5175	5175
ETW	5500	5500	5500	5500	5500	5500	5500	5500
Loaded Weight LVW	5623	5623	5623	5623	5475	5475	5475	5475
ALVW-ETW	7000	7000	7000	7000	7000	7000	7000	7000
Adj. Loaded Weight	6997	6997	7062	7062	6923	6923	6988	6988
GVWR	8670	8670	8800	8800	8670	8670	8800	8800
GCWR	10800	12000	10800	12000	10800	12000	10800	12000
Min Axle Ratio	3.73	4.1	3.73	4.1	3.73	4.1	3.73	4.1
Max Axle Ratio	3.73	4.1	3.73	4.1	3.73	4.1	3.73	4.1
Min N/V Ratio	29.4	32.3	29.4	32.3	29.4	32.3	29.4	32.3
Max N/V Ratio	29.4	32.3	29.4	32.3	29.4	32.3	29.4	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3
Max Tire Size	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2224	2224	2224	2224	2113	2113	2113	2113
DAW Empty Tank	2145	2145	2145	2145	2034	2034	2034	2034

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304507	5304491	5304509	5304493	5304665	5304669	5304655	5304640
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNE0000
Fuel Tank(s)	TJ	TJ	TJ	TJ	TG	TG	TG	TG
Carline	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 2WD	TRANSIT T150 VAN 4WD	TRANSIT T150 VAN 4WD	TRANSIT T150 VAN 4WD	TRANSIT T150 VAN 4WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Van MR	Reg Van MR	Reg Van MR	Reg Van MR	Reg Van LR	Reg Van LR	Reg Van LR	Reg Van LR
Wheelbase	148.0	148.0	148.0	148.0	129.0	129.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5323	5323	5323	5323	5217	5217	5362	5362
ETW	5500	5500	5500	5500	5500	5500	5500	5500
Loaded Weight LVW	5623	5623	5623	5623	5517	5517	5662	5662
ALVW-ETW	7000	7000	7000	7000	7000	7000	7000	7000
Adj. Loaded Weight	6997	6997	7062	7062	6944	7009	7016	7081
GVWR	8670	8670	8800	8800	8670	8800	8670	8800
GCWR	10800	12000	10800	12000	12000	12000	12000	12000
Min Axle Ratio	3.73	4.1	3.73	4.1	4.1	4.1	4.1	4.1
Max Axle Ratio	3.73	4.1	3.73	4.1	4.1	4.1	4.1	4.1
Min N/V Ratio	29.4	32.3	29.4	32.3	32.3	32.3	32.3	32.3
Max N/V Ratio	29.4	32.3	29.4	32.3	32.3	32.3	32.3	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Max Tire Size	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2224	2224	2224	2224	2076	2076	2113	2113
DAW Empty Tank	2145	2145	2145	2145	1986	1986	2034	2034

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304638	5304668	5304734	5304733	5304715	5304719	5304783	5304781
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNG0000	VTTHKXNG0000	VTTHKXNG0000	VTTHKXNG0000	VTTHKXNJ0000	VTTHKXNJ0000
Fuel Tank(s)	TG	TG	TJ	TJ	TJ	TJ	TG	TG
Carline	TRANSIT T150 VAN 4WD	TRANSIT T150 VAN 4WD	TRANSIT T150 VAN 4WD	TRANSIT T150 VAN 4WD	TRANSIT T150 VAN 4WD	TRANSIT T150 VAN 4WD	TRANSIT T250 CHASSIS CAB 2WD	TRANSIT T250 CHASSIS CAB 2WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Van MR	Reg Van MR	Reg Van LR	Reg Van LR	Reg Van MR	Reg Van MR	Regular Cab	Regular Cab
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	138.0	156.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5510	5510	5362	5362	5510	5510	4280	4320
ETW	6000	6000	5500	5500	6000	6000	8000	7500
Loaded Weight LVW	5810	5810	5662	5662	5810	5810	7786	7712
ALVW-ETW	7000	7000	7000	7000	7000	7000	8500	8000
Adj. Loaded Weight	7090	7155	7016	7081	7090	7155	8278	8241
GVWR	8670	8800	8670	8800	8670	8800	9070	9070
GCWR	12000	12000	12000	12000	12000	12000	12000	12000
Min Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Max Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Min N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Max N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	2-Wheel Drive, Rear	2-Wheel Drive, Rear
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Max Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2225	2225	2113	2113	2225	2225	1268	1267
DAW Empty Tank	2146	2145	2034	2034	2146	2145	1183	1191

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304839	5304836	5304794	5304782	5304832	5304833	5304354	5304300
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNK0000	VTTHKXNK0000	VTTHKXNJ0000	VTTHKXNJ0000	VTTHKXNK0000	VTTHKXNK0000	VTTHKXNA0000	VTTHKXNA0000
Fuel Tank(s)	TG	TG	TG	TG	TG	TG	TG	TG
Carline	TRANSIT T250 CHASSIS CAB 4WD	TRANSIT T250 CHASSIS CAB 4WD	TRANSIT T250 CUTAWAY 2WD	TRANSIT T250 CUTAWAY 2WD	TRANSIT T250 CUTAWAY 4WD	TRANSIT T250 CUTAWAY 4WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Regular Cab	Regular Cab	Cutaway	Cutaway	Cutaway	Cutaway	Reg Van HR	Reg Van HR
Wheelbase	138.0	156.0	138.0	156.0	138.0	156.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	4487	4522	4260	4320	4468	4522	5418	5418
ETW	8000	7500	8000	7500	8000	7500	5500	5500
Loaded Weight LVW	7786	7712	7786	7712	7787	7712	5718	5718
ALVW-ETW	8500	8000	8500	8000	8500	8000	7000	7500
Adj. Loaded Weight	8278	8241	8278	8241	8278	8241	7244	7284
GVWR	9070	9070	9070	9070	9070	9070	9070	9150
GCWR	12000	12000	12000	12000	12000	12000	12000	12000
Min Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Max Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Min N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Max N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	All Wheel Drive	All Wheel Drive	2-Wheel Drive, Rear	2-Wheel Drive, Rear	All Wheel Drive	All Wheel Drive	2-Wheel Drive, Rear	2-Wheel Drive, Rear
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Max Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	1280	1278	1259	1267	1272	1278	2294	2294
DAW Empty Tank	1195	1202	1174	1191	1187	1202	2215	2215

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304322	5304372	5304351	5304302	5304310	5304307	5304350	5304326
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000
Fuel Tank(s)	TG	TG	TG	TG	TG	TG	TG	TG
Carline	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Van HR	Reg Van HR	Reg Van LR	Reg Van LR	Reg Van LR	Reg Van LR	Reg Van LR	Reg Van LR
Wheelbase	148.0	148.0	129.0	129.0	129.0	129.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5621	5621	5041	5041	5041	5041	5175	5175
ETW	6000	6000	5250	5250	5250	5250	5500	5500
Loaded Weight LVW	5921	5921	5341	5341	5341	5341	5475	5475
ALVW-ETW	7500	7500	7000	7000	7000	7000	7000	7000
Adj. Loaded Weight	7346	7386	7056	7056	7096	7096	7123	7123
GVWR	9070	9150	9070	9070	9150	9150	9070	9070
GCWR	12000	12000	10800	12000	10800	12000	10800	12000
Min Axle Ratio	4.1	4.1	3.73	4.1	3.73	4.1	3.73	4.1
Max Axle Ratio	4.1	4.1	3.73	4.1	3.73	4.1	3.73	4.1
Min N/V Ratio	32.3	32.3	29.4	32.3	29.4	32.3	29.4	32.3
Max N/V Ratio	32.3	32.3	29.4	32.3	29.4	32.3	29.4	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3
Max Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2635	2635	2086	2086	2086	2086	2113	2113
DAW Empty Tank	2556	2556	1996	1996	1996	1996	2034	2034

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304308	5304336	5304328	5304312	5304301	5304332	5304494	5304487
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNC0000	VTTHKXNC0000
Fuel Tank(s)	TG	TG	TG	TG	TG	TG	TJ	TJ
Carline	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Van LR	Reg Van LR	Reg Van MR	Reg Van MR	Reg Van MR	Reg Van MR	Reg Van HR	Reg Van HR
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5175	5175	5323	5323	5323	5323	5418	5418
ETW	5500	5500	5500	5500	5500	5500	5500	5500
Loaded Weight LVW	5475	5475	5623	5623	5623	5623	5718	5718
ALVW-ETW	7000	7000	7000	7000	7000	7000	7000	7500
Adj. Loaded Weight	7163	7163	7197	7197	7237	7237	7244	7284
GVWR	9150	9150	9070	9070	9150	9150	9070	9150
GCWR	10800	12000	10800	12000	10800	12000	12000	12000
Min Axle Ratio	3.73	4.1	3.73	4.1	3.73	4.1	4.1	4.1
Max Axle Ratio	3.73	4.1	3.73	4.1	3.73	4.1	4.1	4.1
Min N/V Ratio	29.4	32.3	29.4	32.3	29.4	32.3	32.3	32.3
Max N/V Ratio	29.4	32.3	29.4	32.3	29.4	32.3	32.3	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Max Tire Size	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2113	2113	2224	2224	2224	2224	2294	2294
DAW Empty Tank	2034	2034	2145	2145	2145	2145	2215	2215

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304531	5304504	5304506	5304510	5304515	5304541	5304490	5304512
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000
Fuel Tank(s)	TJ	TJ	TJ	TJ	TJ	TJ	TJ	TJ
Carline	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Van HR	Reg Van HR	Reg Van LR	Reg Van LR	Reg Van LR	Reg Van LR	Reg Van MR	Reg Van MR
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5621	5621	5175	5175	5175	5175	5323	5323
ETW	6000	6000	5500	5500	5500	5500	5500	5500
Loaded Weight LVW	5921	5921	5475	5475	5475	5475	5623	5623
ALVW-ETW	7500	7500	7000	7000	7000	7000	7000	7000
Adj. Loaded Weight	7346	7386	7123	7123	7163	7163	7197	7197
GVWR	9070	9150	9070	9070	9150	9150	9070	9070
GCWR	12000	12000	10800	12000	10800	12000	10800	12000
Min Axle Ratio	4.1	4.1	3.73	4.1	3.73	4.1	3.73	4.1
Max Axle Ratio	4.1	4.1	3.73	4.1	3.73	4.1	3.73	4.1
Min N/V Ratio	32.3	32.3	29.4	32.3	29.4	32.3	29.4	32.3
Max N/V Ratio	32.3	32.3	29.4	32.3	29.4	32.3	29.4	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3
Max Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2635	2635	2113	2113	2113	2113	2224	2224
DAW Empty Tank	2556	2556	2034	2034	2034	2034	2145	2145

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304521	5304496	5304663	5304659	5304651	5304646	5304664	5304660
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNE0000
Fuel Tank(s)	TJ	TJ	TG	TG	TG	TG	TG	TG
Carline	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 2WD	TRANSIT T250 VAN 4WD	TRANSIT T250 VAN 4WD	TRANSIT T250 VAN 4WD	TRANSIT T250 VAN 4WD	TRANSIT T250 VAN 4WD	TRANSIT T250 VAN 4WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Van MR	Reg Van MR	Reg Van HR	Reg Van HR	Reg Van HR	Reg Van HR	Reg Van LR	Reg Van LR
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	129.0	129.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5323	5323	5605	5605	5808	5808	5217	5217
ETW	5500	5500	6000	6000	6000	6000	5500	5500
Loaded Weight LVW	5623	5623	5905	5905	6108	6108	5517	5517
ALVW-ETW	7000	7000	7500	7500	7500	7500	7000	7000
Adj. Loaded Weight	7237	7237	7338	7378	7439	7479	7144	7184
GVWR	9150	9150	9070	9150	9070	9150	9070	9150
GCWR	10800	12000	12000	12000	12000	12000	12000	12000
Min Axle Ratio	3.73	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Max Axle Ratio	3.73	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Min N/V Ratio	29.4	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Max N/V Ratio	29.4	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	2-Wheel Drive, Rear	2-Wheel Drive, Rear	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Max Tire Size	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2224	2224	2293	2293	2635	2635	2076	2076
DAW Empty Tank	2145	2145	2214	2214	2556	2556	1986	1986

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304648	5304643	5304670	5304654	5304732	5304751	5304722	5304752
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNG0000	VTTHKXNG0000	VTTHKXNG0000	VTTHKXNG0000
Fuel Tank(s)	TG	TG	TG	TG	TJ	TJ	TJ	TJ
Carline	TRANSIT T250 VAN 4WD	TRANSIT T250 VAN 4WD	TRANSIT T250 VAN 4WD	TRANSIT T250 VAN 4WD	TRANSIT T250 VAN 4WD	TRANSIT T250 VAN 4WD	TRANSIT T250 VAN 4WD	TRANSIT T250 VAN 4WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Van LR	Reg Van LR	Reg Van MR	Reg Van MR	Reg Van HR	Reg Van HR	Reg Van HR	Reg Van HR
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5362	5362	5510	5510	5605	5605	5808	5808
ETW	5500	5500	6000	6000	6000	6000	6000	6000
Loaded Weight LVW	5662	5662	5810	5810	5905	5905	6108	6108
ALVW-ETW	7000	7500	7500	7500	7500	7500	7500	7500
Adj. Loaded Weight	7216	7256	7290	7330	7338	7378	7439	7479
GVWR	9070	9150	9070	9150	9070	9150	9070	9150
GCWR	12000	12000	12000	12000	12000	12000	12000	12000
Min Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Max Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Min N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Max N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Max Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2113	2113	2225	2225	2293	2293	2635	2635
DAW Empty Tank	2034	2034	2146	2146	2214	2214	2556	2556

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304746	5304718	5304716	5304713	5304810	5304795	5304784	5304789
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNG0000	VTTHKXNG0000	VTTHKXNG0000	VTTHKXNG0000	VTTHKXNJ0000	VTTHKXNJ0000	VTTHKXNJ0000	VTTHKXNJ0000
Fuel Tank(s)	TJ	TJ	TJ	TJ	TG	TG	TG	TG
Carline	TRANSIT T250 VAN 4WD	TRANSIT T250 VAN 4WD	TRANSIT T250 VAN 4WD	TRANSIT T250 VAN 4WD	TRANSIT T350 CHASSIS CAB 2WD	TRANSIT T350 CHASSIS CAB 2WD	TRANSIT T350 CHASSIS CAB 2WD	TRANSIT T350 CHASSIS CAB 2WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	DUAL REAR WHEELS	SINGLE REAR WHEELS	DUAL REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Van LR	Reg Van LR	Reg Van MR	Reg Van MR	Regular Cab	Regular Cab	Regular Cab	Regular Cab
Wheelbase	148.0	148.0	148.0	148.0	138.0	138.0	156.0	156.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5362	5362	5510	5510	4463	4284	4490	4325
ETW	5500	5500	6000	6000	8000	8000	7500	7500
Loaded Weight LVW	5662	5662	5810	5810	7790	7790	7716	7716
ALVW-ETW	7000	7500	7500	7500	8500	8500	8500	8500
Adj. Loaded Weight	7216	7256	7290	7330	8720	8495	8683	8458
GVWR	9070	9150	9070	9150	9950	9500	9950	9500
GCWR	12000	12000	12000	12000	12000	12000	12000	12000
Min Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Max Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Min N/V Ratio	32.3	32.3	32.3	32.3	32.2	32.3	32.2	32.3
Max N/V Ratio	32.3	32.3	32.3	32.3	32.2	32.3	32.2	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3
Max Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2113	2113	2225	2225	1442	1272	1435	1270
DAW Empty Tank	2034	2034	2146	2146	1357	1187	1360	1195

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304792	5304797	5304827	5304842	5304843	5304838	5304849	5304829
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNJ0000	VTTHKXNJ0000	VTTHKXNK0000	VTTHKXNK0000	VTTHKXNK0000	VTTHKXNK0000	VTTHKXNK0000	VTTHKXNK0000
Fuel Tank(s)	TG	TG	TG	TG	TG	TG	TG	TG
Carline	TRANSIT T350 CHASSIS CAB 2WD	TRANSIT T350 CHASSIS CAB 2WD	TRANSIT T350 CHASSIS CAB 4WD	TRANSIT T350 CHASSIS CAB 4WD	TRANSIT T350 CHASSIS CAB 4WD	TRANSIT T350 CHASSIS CAB 4WD	TRANSIT T350 CHASSIS CAB 4WD	TRANSIT T350 CHASSIS CAB 4WD
Wheel Configuration	DUAL REAR WHEELS	SINGLE REAR WHEELS	DUAL REAR WHEELS	SINGLE REAR WHEELS	DUAL REAR WHEELS	SINGLE REAR WHEELS	DUAL REAR WHEELS	SINGLE REAR WHEELS
Body Style	Regular Cab	Regular Cab	Regular Cab	Regular Cab	Regular Cab	Regular Cab	Regular Cab	Regular Cab
Wheelbase	178.0	178.0	138.0	138.0	156.0	156.0	178.0	178.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	4599	4431	4684	4487	4706	4523	4819	4651
ETW	7500	7500	8000	8000	7500	7500	7500	7500
Loaded Weight LVW	7721	7721	7787	7786	7712	7712	7717	7718
ALVW-ETW	8500	8500	8500	8500	8500	8500	8500	8500
Adj. Loaded Weight	8686	8461	8718	8493	8681	8456	8683	8459
GVWR	9950	9500	9950	9500	9950	9500	9950	9500
GCWR	12000	12000	12000	12000	12000	12000	12000	12000
Min Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Max Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Min N/V Ratio	32.2	32.3	32.2	32.3	32.2	32.3	32.2	32.3
Max N/V Ratio	32.2	32.3	32.2	32.3	32.2	32.3	32.2	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	2-Wheel Drive, Rear	2-Wheel Drive, Rear	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3
Max Tire Size	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	1459	1295	1468	1280	1461	1278	1485	1320
DAW Empty Tank	1393	1229	1383	1195	1385	1202	1419	1254

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304814	5304791	5304780	5304788	5304815	5304799	5304848	5304831
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNJ0000	VTTHKXNJ0000	VTTHKXNJ0000	VTTHKXNJ0000	VTTHKXNJ0000	VTTHKXNJ0000	VTTHKXNK0000	VTTHKXNK0000
Fuel Tank(s)	TG	TG	TG	TG	TG	TG	TG	TG
Carline	TRANSIT T350 CUTAWAY 2WD	TRANSIT T350 CUTAWAY 2WD	TRANSIT T350 CUTAWAY 2WD	TRANSIT T350 CUTAWAY 2WD	TRANSIT T350 CUTAWAY 2WD	TRANSIT T350 CUTAWAY 2WD	TRANSIT T350 CUTAWAY 4WD	TRANSIT T350 CUTAWAY 4WD
Wheel Configuration	DUAL REAR WHEELS	SINGLE REAR WHEELS	DUAL REAR WHEELS	SINGLE REAR WHEELS	DUAL REAR WHEELS	SINGLE REAR WHEELS	DUAL REAR WHEELS	SINGLE REAR WHEELS
Body Style	Cutaway	Cutaway	Cutaway	Cutaway	Cutaway	Cutaway	Cutaway	Cutaway
Wheelbase	138.0	138.0	156.0	156.0	178.0	178.0	138.0	138.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	4433	4267	4495	4327	4565	4396	4655	4472
ETW	8000	8000	7500	7500	7500	7500	8000	8000
Loaded Weight LVW	7793	7793	7719	7720	7724	7724	7791	7791
ALVW-ETW	8500	8500	8500	8500	8500	8500	8500	8500
Adj. Loaded Weight	8722	8497	8685	8460	8687	8462	8721	8496
GVWR	9950	9500	9950	9500	9950	9500	9950	9500
GCWR	12000	12000	12000	12000	12000	12000	12000	12000
Min Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Max Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Min N/V Ratio	32.2	32.3	32.2	32.3	32.2	32.3	32.2	32.3
Max N/V Ratio	32.2	32.3	32.2	32.3	32.2	32.3	32.2	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	All Wheel Drive	All Wheel Drive
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3
Max Tire Size	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	1433	1267	1439	1275	1450	1285	1459	1276
DAW Empty Tank	1348	1182	1364	1200	1384	1219	1374	1191

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304835	5304826	5304837	5304828	5304369	5304453	5304306	5304331
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNK0000	VTTHKXNK0000	VTTHKXNK0000	VTTHKXNK0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000
Fuel Tank(s)	TG	TG	TG	TG	TG	TG	TG	TG
Carline	TRANSIT T350 CUTAWAY 4WD	TRANSIT T350 CUTAWAY 4WD	TRANSIT T350 CUTAWAY 4WD	TRANSIT T350 CUTAWAY 4WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD
Wheel Configuration	DUAL REAR WHEELS	SINGLE REAR WHEELS	DUAL REAR WHEELS	SINGLE REAR WHEELS	DUAL REAR WHEELS	DUAL REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Cutaway	Cutaway	Cutaway	Cutaway	Reg Van HR	Reg Van HR	Reg Van HR	Reg Van HR
Wheelbase	156.0	156.0	178.0	178.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	4712	4526	4786	4617	5891	5891	5418	5621
ETW	7500	7500	7500	7500	6000	6000	5500	6000
Loaded Weight LVW	7716	7716	7721	7721	6191	6191	5718	5921
ALVW-ETW	8500	8500	8500	8500	8000	8000	7500	7500
Adj. Loaded Weight	8683	8458	8686	8461	7896	7921	7459	7561
GVWR	9950	9500	9950	9500	9900	9950	9500	9500
GCWR	12000	12000	12000	12000	12000	12000	12000	12000
Min Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Max Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Min N/V Ratio	32.2	32.3	32.2	32.3	32.2	32.2	32.3	32.3
Max N/V Ratio	32.2	32.3	32.2	32.3	32.2	32.2	32.3	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	205/75R16 - 32.2	235/65R16 - 32.3	235/65R16 - 32.3
Max Tire Size	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	235/65R16 - 32.3	205/75R16 - 32.2	205/75R16 - 32.2	235/65R16 - 32.3	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	1464	1281	1476	1310	2895	2896	2294	2635
DAW Empty Tank	1389	1206	1410	1244	2816	2817	2215	2556

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304314	5304381	5304353	5304345	5304299	5304329	5304476	5304471
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNB0000	VTTHKXNB0000
Fuel Tank(s)	TG	TG	TG	TG	TG	TG	TG	TG
Carline	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Van LR	Reg Van LR	Reg Van LR	Reg Van LR	Reg Van MR	Reg Van MR	Reg Van HR	Reg Van HR
Wheelbase	129.0	129.0	148.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5041	5041	5175	5175	5323	5323	5418	5418
ETW	5250	5250	5500	5500	5500	5500	5500	5500
Loaded Weight LVW	5341	5341	5475	5475	5623	5623	5718	5718
ALVW-ETW	7500	7500	7500	7500	7500	7500	7500	7500
Adj. Loaded Weight	7271	7271	7338	7338	7412	7412	7659	7684
GVWR	9500	9500	9500	9500	9500	9500	9900	9950
GCWR	10800	12000	10800	12000	10800	12000	12000	12000
Min Axle Ratio	3.73	4.1	3.73	4.1	3.73	4.1	4.1	4.1
Max Axle Ratio	3.73	4.1	3.73	4.1	3.73	4.1	4.1	4.1
Min N/V Ratio	29.4	32.3	29.4	32.3	29.4	32.3	32.3	32.3
Max N/V Ratio	29.4	32.3	29.4	32.3	29.4	32.3	32.3	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Max Tire Size	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2086	2086	2113	2113	2224	2224	2294	2294
DAW Empty Tank	1996	1996	2034	2034	2145	2145	2215	2215

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304475	5304470	5304474	5304480	5304472	5304481	5304500	5304605
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNB0000	VTTHKXNB0000	VTTHKXNB0000	VTTHKXNB0000	VTTHKXNB0000	VTTHKXNB0000	VTTHKXNC0000	VTTHKXNC0000
Fuel Tank(s)	TG	TG	TG	TG	TG	TG	TJ	TJ
Carline	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	DUAL REAR WHEELS	DUAL REAR WHEELS
Body Style	Reg Van HR	Reg Van HR	Reg Van LR	Reg Van LR	Reg Van MR	Reg Van MR	Reg Van HR	Reg Van HR
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5662	5662	5175	5175	5323	5323	5891	5891
ETW	6000	6000	5500	5500	5500	5500	6000	6000
Loaded Weight LVW	5962	5962	5475	5475	5623	5623	6191	6191
ALVW-ETW	8000	8000	7500	7500	7500	7500	8000	8000
Adj. Loaded Weight	7781	7806	7538	7563	7612	7637	7896	7921
GVWR	9900	9950	9900	9950	9900	9950	9900	9950
GCWR	12000	12000	12000	12000	12000	12000	12000	12000
Min Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Max Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Min N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.2	32.2
Max N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.2	32.2
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	205/75R16 - 32.2	205/75R16 - 32.2
Max Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	205/75R16 - 32.2	205/75R16 - 32.2
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2673	2673	2113	2113	2224	2224	2895	2896
DAW Empty Tank	2594	2594	2034	2034	2145	2145	2816	2817

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304538	5304495	5304528	5304486	5304511	5304501	5304621	5304628
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXND0000	VTTHKXND0000
Fuel Tank(s)	TJ	TJ	TJ	TJ	TJ	TJ	TJ	TJ
Carline	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Van HR	Reg Van HR	Reg Van LR	Reg Van LR	Reg Van MR	Reg Van MR	Reg Van HR	Reg Van HR
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5418	5621	5175	5175	5323	5323	5418	5418
ETW	5500	6000	5500	5500	5500	5500	5500	5500
Loaded Weight LVW	5718	5921	5475	5475	5623	5623	5718	5718
ALVW-ETW	7500	7500	7500	7500	7500	7500	7500	7500
Adj. Loaded Weight	7459	7561	7338	7338	7412	7412	7659	7684
GVWR	9500	9500	9500	9500	9500	9500	9900	9950
GCWR	12000	12000	10800	12000	10800	12000	12000	12000
Min Axle Ratio	4.1	4.1	3.73	4.1	3.73	4.1	4.1	4.1
Max Axle Ratio	4.1	4.1	3.73	4.1	3.73	4.1	4.1	4.1
Min N/V Ratio	32.3	32.3	29.4	32.3	29.4	32.3	32.3	32.3
Max N/V Ratio	32.3	32.3	29.4	32.3	29.4	32.3	32.3	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Max Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2294	2635	2113	2113	2224	2224	2294	2294
DAW Empty Tank	2215	2556	2034	2034	2145	2145	2215	2215

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304623	5304627	5304622	5304619	5304620	5304618	5304675	5304649
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXND0000	VTTHKXND0000	VTTHKXND0000	VTTHKXND0000	VTTHKXND0000	VTTHKXND0000	VTTHKXNE0000	VTTHKXNE0000
Fuel Tank(s)	TJ	TJ	TJ	TJ	TJ	TJ	TG	TG
Carline	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 2WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	DUAL REAR WHEELS	DUAL REAR WHEELS
Body Style	Reg Van HR	Reg Van HR	Reg Van LR	Reg Van LR	Reg Van MR	Reg Van MR	Reg Van HR	Reg Van HR
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5662	5662	5175	5175	5323	5323	6122	6122
ETW	6000	6000	5500	5500	5500	5500	6500	6500
Loaded Weight LVW	5962	5962	5475	5475	5623	5623	6422	6422
ALVW-ETW	8000	8000	7500	7500	7500	7500	8000	8000
Adj. Loaded Weight	7781	7806	7538	7563	7612	7637	8011	8036
GVWR	9900	9950	9900	9950	9900	9950	9900	9950
GCWR	12000	12000	12000	12000	12000	12000	12000	12000
Min Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Max Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Min N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.2	32.2
Max N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.2	32.2
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	All Wheel Drive	All Wheel Drive
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	205/75R16 - 32.2	205/75R16 - 32.2
Max Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	205/75R16 - 32.2	205/75R16 - 32.2
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2673	2673	2113	2113	2224	2224	2929	2929
DAW Empty Tank	2594	2594	2034	2034	2145	2145	2850	2850

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304637	5304641	5304672	5304636	5304658	5304704	5304696	5304709
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNF0000	VTTHKXNF0000	VTTHKXNF0000
Fuel Tank(s)	TG	TG	TG	TG	TG	TG	TG	TG
Carline	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Van HR	Reg Van HR	Reg Van LR	Reg Van LR	Reg Van MR	Reg Van HR	Reg Van HR	Reg Van HR
Wheelbase	148.0	148.0	129.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5625	5828	5237	5382	5530	5625	5625	5892
ETW	6000	6000	5500	5500	6000	6000	6000	6000
Loaded Weight LVW	5925	6128	5537	5682	5830	5925	5925	6192
ALVW-ETW	7500	7500	7500	7500	7500	8000	8000	8000
Adj. Loaded Weight	7563	7664	7369	7441	7515	7763	7788	7896
GVWR	9500	9500	9500	9500	9500	9900	9950	9900
GCWR	12000	12000	12000	12000	12000	12000	12000	12000
Min Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Max Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Min N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Max N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Max Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2304	2646	2089	2124	2236	2304	2304	2706
DAW Empty Tank	2225	2567	1999	2045	2157	2225	2225	2627

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304699	5304706	5304697	5304698	5304700	5304747	5304742	5304723
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNF0000	VTTHKXNF0000	VTTHKXNF0000	VTTHKXNF0000	VTTHKXNF0000	VTTHKXNG0000	VTTHKXNG0000	VTTHKXNG0000
Fuel Tank(s)	TG	TG	TG	TG	TG	TJ	TJ	TJ
Carline	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	DUAL REAR WHEELS	DUAL REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Van HR	Reg Van LR	Reg Van LR	Reg Van MR	Reg Van MR	Reg Van HR	Reg Van HR	Reg Van HR
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5892	5382	5382	5530	5530	6122	6122	5625
ETW	6000	5500	5500	6000	6000	6500	6500	6000
Loaded Weight LVW	6192	5682	5682	5830	5830	6422	6422	5925
ALVW-ETW	8000	7500	7500	7500	7500	8000	8000	7500
Adj. Loaded Weight	7921	7641	7666	7715	7740	8011	8036	7563
GVWR	9950	9900	9950	9900	9950	9900	9950	9500
GCWR	12000	12000	12000	12000	12000	12000	12000	12000
Min Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Max Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Min N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.2	32.2	32.3
Max N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.2	32.2	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	205/75R16 - 32.2	205/75R16 - 32.2	235/65R16 - 32.3
Max Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	205/75R16 - 32.2	205/75R16 - 32.2	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2706	2124	2124	2236	2236	2929	2929	2304
DAW Empty Tank	2627	2045	2045	2157	2157	2850	2850	2225

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304758	5304712	5304720	5304768	5304776	5304765	5304764	5304766
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNG0000	VTTHKXNG0000	VTTHKXNG0000	VTTHKXNH0000	VTTHKXNH0000	VTTHKXNH0000	VTTHKXNH0000	VTTHKXNH0000
Fuel Tank(s)	TJ	TJ	TJ	TJ	TJ	TJ	TJ	TJ
Carline	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Van HR	Reg Van LR	Reg Van MR	Reg Van HR	Reg Van HR	Reg Van HR	Reg Van HR	Reg Van LR
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5828	5382	5530	5625	5625	5892	5892	5382
ETW	6000	5500	6000	6000	6000	6000	6000	5500
Loaded Weight LVW	6128	5682	5830	5925	5925	6192	6192	5682
ALVW-ETW	7500	7500	7500	8000	8000	8000	8000	7500
Adj. Loaded Weight	7664	7441	7515	7763	7788	7896	7921	7641
GVWR	9500	9500	9500	9900	9950	9900	9950	9900
GCWR	12000	12000	12000	12000	12000	12000	12000	12000
Min Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Max Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Min N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Max N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Max Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2646	2124	2236	2304	2304	2706	2706	2124
DAW Empty Tank	2567	2045	2157	2225	2225	2627	2627	2045

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304775	5304767	5304773	5304360	5304417	5304363	5304321	5304399
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNH0000	VTTHKXNH0000	VTTHKXNH0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000
Fuel Tank(s)	TJ	TJ	TJ	TG	TG	TG	TG	TG
Carline	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 VAN 4WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Van LR	Reg Van MR	Reg Van MR	Reg Wagon HR	Reg Wagon HR	Reg Wagon HR	Reg Wagon LR	Reg Wagon LR
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	5382	5530	5530	6623	6623	6624	6350	6350
ETW	5500	6000	6000	7000	7000	7000	6500	6500
Loaded Weight LVW	5682	5830	5830	6923	6923	6924	6650	6650
ALVW-ETW	7500	7500	7500	8000	8000	8000	8000	8000
Adj. Loaded Weight	7666	7715	7740	8012	8062	7937	7800	7800
GVWR	9950	9900	9950	9400	9500	9250	9250	9250
GCWR	12000	12000	12000	11200	11200	11200	10800	11200
Min Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	3.73	4.1
Max Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	3.73	4.1
Min N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	29.4	32.3
Max N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	29.4	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	All Wheel Drive	All Wheel Drive	All Wheel Drive	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3
Max Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	2124	2236	2236	3359	3359	3360	3129	3129
DAW Empty Tank	2045	2157	2157	3279	3279	3280	3050	3050

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304383	5304344	5304374	5304303	5304298	5304364	5304338	5304320
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000	VTTHKXNA0000
Fuel Tank(s)	TG	TG	TG	TG	TG	TG	TG	TG
Carline	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Wagon LR	Reg Wagon LR	Reg Wagon MR	Reg Wagon MR	Reg Wagon MR	Reg Wagon MR	Reg Wagon MR	Reg Wagon MR
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	6350	6350	6478	6478	6485	6485	6485	6485
ETW	6500	6500	7000	7000	7000	7000	7000	7000
Loaded Weight LVW	6650	6650	6778	6778	6785	6785	6785	6785
ALVW-ETW	8000	8000	8000	8000	8000	8000	8000	8000
Adj. Loaded Weight	7875	7875	7864	7864	7943	7943	7993	7993
GVWR	9400	9400	9250	9250	9400	9400	9500	9500
GCWR	10800	11200	10800	11200	10800	11200	10800	11200
Min Axle Ratio	3.73	4.1	3.73	4.1	3.73	4.1	3.73	4.1
Max Axle Ratio	3.73	4.1	3.73	4.1	3.73	4.1	3.73	4.1
Min N/V Ratio	29.4	32.3	29.4	32.3	29.4	32.3	29.4	32.3
Max N/V Ratio	29.4	32.3	29.4	32.3	29.4	32.3	29.4	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3
Max Tire Size	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	3129	3129	3220	3220	3220	3220	3220	3220
DAW Empty Tank	3050	3050	3140	3140	3140	3140	3140	3140

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304505	5304574	5304571	5304542	5304546	5304502	5304497	5304527
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000
Fuel Tank(s)	TJ	TJ	TJ	TJ	TJ	TJ	TJ	TJ
Carline	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Wagon HR	Reg Wagon HR	Reg Wagon HR	Reg Wagon LR	Reg Wagon LR	Reg Wagon LR	Reg Wagon LR	Reg Wagon MR
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	6623	6623	6624	6350	6350	6350	6350	6478
ETW	7000	7000	7000	6500	6500	6500	6500	7000
Loaded Weight LVW	6923	6923	6924	6650	6650	6650	6650	6778
ALVW-ETW	8000	8000	8000	8000	8000	8000	8000	8000
Adj. Loaded Weight	8012	8062	7937	7800	7800	7875	7875	7864
GVWR	9400	9500	9250	9250	9250	9400	9400	9250
GCWR	11200	11200	11200	10800	11200	10800	11200	10800
Min Axle Ratio	4.1	4.1	4.1	3.73	4.1	3.73	4.1	3.73
Max Axle Ratio	4.1	4.1	4.1	3.73	4.1	3.73	4.1	3.73
Min N/V Ratio	32.3	32.3	32.3	29.4	32.3	29.4	32.3	29.4
Max N/V Ratio	32.3	32.3	32.3	29.4	32.3	29.4	32.3	29.4
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4
Max Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	3359	3359	3360	3129	3129	3129	3129	3220
DAW Empty Tank	3279	3279	3280	3050	3050	3050	3050	3140

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304529	5304535	5304569	5304518	5304540	5304650	5304634	5304656
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNC0000	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNE0000
Fuel Tank(s)	TJ	TJ	TJ	TJ	TJ	TG	TG	TG
Carline	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 2WD	TRANSIT T350 WAGON 4WD	TRANSIT T350 WAGON 4WD	TRANSIT T350 WAGON 4WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Wagon MR	Reg Wagon MR	Reg Wagon MR	Reg Wagon MR	Reg Wagon MR	Reg Wagon HR	Reg Wagon HR	Reg Wagon HR
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	6478	6485	6485	6485	6485	6830	6831	6831
ETW	7000	7000	7000	7000	7000	7000	7000	7000
Loaded Weight LVW	6778	6785	6785	6785	6785	7130	7131	7131
ALVW-ETW	8000	8000	8000	8000	8000	8000	8000	8000
Adj. Loaded Weight	7864	7943	7943	7993	7993	8190	8041	8116
GVWR	9250	9400	9400	9500	9500	9550	9250	9400
GCWR	11200	10800	11200	10800	11200	11200	11200	11200
Min Axle Ratio	4.1	3.73	4.1	3.73	4.1	4.1	4.1	4.1
Max Axle Ratio	4.1	3.73	4.1	3.73	4.1	4.1	4.1	4.1
Min N/V Ratio	32.3	29.4	32.3	29.4	32.3	32.3	32.3	32.3
Max N/V Ratio	32.3	29.4	32.3	29.4	32.3	32.3	32.3	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	2-Wheel Drive, Rear	All Wheel Drive	All Wheel Drive	All Wheel Drive
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Max Tire Size	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 29.4	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	3220	3220	3220	3220	3220	3369	3370	3370
DAW Empty Tank	3140	3140	3140	3140	3140	3290	3291	3291

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304676	5304635	5304644	5304652	5304639	5304647	5304726	5304714
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNE0000	VTTHKXNG0000	VTTHKXNG0000
Fuel Tank(s)	TG	TG	TG	TG	TG	TG	TJ	TJ
Carline	TRANSIT T350 WAGON 4WD	TRANSIT T350 WAGON 4WD	TRANSIT T350 WAGON 4WD	TRANSIT T350 WAGON 4WD	TRANSIT T350 WAGON 4WD	TRANSIT T350 WAGON 4WD	TRANSIT T350 WAGON 4WD	TRANSIT T350 WAGON 4WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Wagon LR	Reg Wagon LR	Reg Wagon LR	Reg Wagon MR	Reg Wagon MR	Reg Wagon MR	Reg Wagon HR	Reg Wagon HR
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	6557	6557	6557	6685	6685	6692	6830	6831
ETW	7000	7000	7000	7000	7000	7000	7000	7000
Loaded Weight LVW	6857	6857	6857	6985	6985	6992	7130	7131
ALVW-ETW	8000	8000	8000	8000	8000	8000	8000	8000
Adj. Loaded Weight	7904	7979	8054	7968	8043	8121	8190	8041
GVWR	9250	9400	9550	9250	9400	9550	9550	9250
GCWR	11200	11200	11200	11200	11200	11200	11200	11200
Min Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Max Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Min N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Max N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Max Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Alt Tire 1								
Alt Tire 2								
Alt Tire 3								
Alt Tire 4								
Alt Tire 5								
Alt Tire 6								
Alt Tire 7								
DAW Full Tank	3139	3139	3139	3230	3230	3231	3369	3370
DAW Empty Tank	3060	3060	3060	3151	3151	3152	3290	3291

Vehicle Description Report

Test Group: VFMXD03.56BG

ID Number	5304736	5304740	5304721	5304717	5304744	5304727	5304735
Displacement	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Cert Code	VTTHKXNG0000	VTTHKXNG0000	VTTHKXNG0000	VTTHKXNG0000	VTTHKXNG0000	VTTHKXNG0000	VTTHKXNG0000
Fuel Tank(s)	TJ	TJ	TJ	TJ	TJ	TJ	TJ
Carline	TRANSIT T350 WAGON 4WD	TRANSIT T350 WAGON 4WD	TRANSIT T350 WAGON 4WD	TRANSIT T350 WAGON 4WD	TRANSIT T350 WAGON 4WD	TRANSIT T350 WAGON 4WD	TRANSIT T350 WAGON 4WD
Wheel Configuration	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS	SINGLE REAR WHEELS
Body Style	Reg Wagon HR	Reg Wagon LR	Reg Wagon LR	Reg Wagon LR	Reg Wagon MR	Reg Wagon MR	Reg Wagon MR
Wheelbase	148.0	148.0	148.0	148.0	148.0	148.0	148.0
Transcode Combo	EUA	EUA	EUA	EUA	EUA	EUA	EUA
Curb Weight	6831	6557	6557	6557	6685	6685	6692
ETW	7000	7000	7000	7000	7000	7000	7000
Loaded Weight LVW	7131	6857	6857	6857	6985	6985	6992
ALVW-ETW	8000	8000	8000	8000	8000	8000	8000
Adj. Loaded Weight	8116	7904	7979	8054	7968	8043	8121
GVWR	9400	9250	9400	9550	9250	9400	9550
GCWR	11200	11200	11200	11200	11200	11200	11200
Min Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Max Axle Ratio	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Min N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Max N/V Ratio	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Emission Vehicle Class	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1	HDV1
Drive Code	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive	All Wheel Drive
Trans Type	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Calibration Application	50ST	50ST	50ST	50ST	50ST	50ST	50ST
Min Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Max Tire Size	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3	235/65R16 - 32.3
Alt Tire 1							
Alt Tire 2							
Alt Tire 3							
Alt Tire 4							
Alt Tire 5							
Alt Tire 6							
Alt Tire 7							
DAW Full Tank	3370	3139	3139	3139	3230	3230	3231
DAW Empty Tank	3291	3060	3060	3060	3151	3151	3152



SECTION 14

Request for Certification



**Vehicle Homologation and Compliance
Environmental and Safety Compliance
Ford Motor Company**

**Allen Park Test Laboratory
1500 Enterprise Drive, Suite 3W-200
Allen Park, Michigan 48101**

April 24, 2026

Ms. Hannah Frame
Certification Division
Mobile Source Pollution Control
U. S. Environmental Protection Agency
2000 Traverwood Drive
Ann Arbor, Michigan 48105

Dear Ms. Frame:

Ford Motor Company (Ford) herewith submits its Part I Application for Certification for 2027 model year gasoline heavy duty vehicles (HDVs) contained in Ford's 50 states test group VFMXD03.56BG and evaporative emission families VFMXR0185NDJ and VFMXR0215GDJ, Tier 3 E10 fuel is used for exhaust emission tests, E10 fuel was used for evaporative emission tests

The EPA Final Tier 3 certification and in-use exhaust emission standards applicable to this test group are:

Certification & In-Use FTP Standards (g/mi)	Useful Life	NMOG+NOx	CO	HCHO	N2O	CH4	PM
Final Tier 3 Bin 150	150K	0.150	3.2	0.006	0.05	0.05	0.008

This test group also meets the SFTP NMOG+NOx Composite Family Emission Limit (FEL) of 0.450 g/mi and CO limit of 12 g/mi as part of compliance plan to meet corporate fleet average SFTP standards.

The EPA Tier 3 certification and in-use evaporative emission standards applicable to this test group are:

Tier 3	Useful Life	Evaporative Family (Vehicle Type)	ORVR	Hot Soak + 2-day diurnal	Hot Soak + 3-day diurnal	Running Loss	BETP
Certification and In-Use Evaporative Standards	150K	VFMXR0185NDJ	0.20 g/gallon	0.600 g/test	0.600 g/test	0.05 g/mile	0.030 g/test
		VFMXR0215GDJ					

The Fuel Spitback standard is 1.0 gram per test for this test group.

Based on Ford Motor Company's good engineering judgment, all the vehicles described in this Application are designed to comply with the applicable intermediate and full useful life standards, as described above.

This Part I Application for Certification has been prepared in accordance with the standardized format recommended by EPA via its mail out # CD-14-19 (LDV/LDT/ICI/LIMO), subject: "Certification Application Reporting Guidance", dated November 24, 2014. Therefore, in accordance with the provisions of 40 CFR 86.1844-01(d)(14) including the provisions of 40 CFR Parts 85, 86 and 600, Ford requests that a Certificate of Conformity be issued for the HDV test group listed in this Application for Certification. Please contact Suvarna Gadam at 313-333-0873, if you have any questions regarding this submission.

Sincerely,

DocuSigned by:

Lawrence H. Merritt, Jr.

DF6ED4749EAC46B...

Lawrence H. Merritt, Jr.
Manager, Emissions Certification
Homologation & Compliance



**Vehicle Homologation and Compliance
Environment and Safety Compliance
Ford Motor Company**

**Allen Park Test Laboratory
1500 Enterprise Drive, Suite 3W-200
Allen Park, Michigan 48101**

April 24, 2026

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

Dear Ms. Lang:

Ford Motor Company (Ford) herewith submits its Part I Application for Certification for 2027 model year gasoline medium duty vehicles (MDVs) contained in Ford's 50 states test group VFMXD03.56BG and evaporative emission families VFMXR0185NDJ and VFMXR0215GDJ. Tier 3 E10 fuel is used for exhaust emission tests, E10 fuel was used for evaporative emission tests. This application aligns with CARB's Manufacturers Advisory Correspondence (MAC) ECCD-2025-8 alternate pathway (1) described on page 2 as follows:

- (1) An approved application for CARB certification to the vehicle and engine emission regulations that immediately preceded those covered by the waivers that were targeted by the congressional resolutions.

Ford intends submittal of this certification to facilitate CARB's review in order to ensure timely certification of Ford's vehicles as may be needed in accordance with applicable requirements. Ford is reserving its rights with regard to determining what requirements apply and which requirements can be enforced by CARB.

The FTP certification and in-use standards applicable to this test group for vehicles offered in California are as follows:

Certification & In-Use FTP Standards (g/mi)	Useful Life	NMOG+NOx	CO	HCHO	PM
California LEV III SULEV150	150K	0.150	3.2	0.006	0.008

In addition, this test group also meets the SFTP NMOG+NOx Family Emission Limit (FEL) of 0.450 g/mi and CO limit of 12 g/mi as part of compliance plan to meet corporate fleet average SFTP standards.

The evaporative certification and in-use standards applicable to this test group are as follows:

Tier 3	Useful Life	Evaporative Family (Vehicle Type)	ORVR	Hot Soak + 2-day diurnal	Hot Soak + 3-day diurnal	Running Loss	BETP
Certification and In-Use Evaporative	150K	VFMXR0185NDJ	0.20 g/gallon	0.600	0.600 g/test	0.05 g/mile	0.030 g/test

Standards		VFMXR0215GDJ		g/test			
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The Fuel Spitback standard is 1.0 gram per test for this test group.

Based on Ford Motor Company's good engineering judgment, all the vehicles described in this Application are designed to comply with the applicable intermediate and full useful life standards, as described above.

This Part I Application for Certification has been prepared in accordance with the standardized format recommended by EPA via its mail out # CD-14-19 (LDV/LDT/ICI/LIMO), subject: "Certification Application Reporting Guidance", dated November 24, 2014. Therefore, in accordance with the provisions of 40 CFR 86.1844-01(d)(14) including the provisions of 40 CFR Parts 85, 86 and 600, Ford requests that a Certificate of Conformity be issued for the MDV test group listed in this Application for Certification.

Additionally, Ford Motor Company is requesting the Air Resources Board approve the following standard Application for VFMXD03.56BG based on Partial Carryover data from TFMXD03.56BG and Executive Order number A-010-2617. By signing this letter, Ford Motor Company is certifying that this model year's application package:

1. Includes no change of the emission standards/FELs, regulation requirements, emission characteristics of the engine, or test procedures requirements.
2. The 2027 application package differs from the 2026 application package only by:

- ☒ Model year
 - ☒ Test Group/Engine/Vehicle/Evaporative family name (typically the first character)
 - ☐ Manufacturer contact information
 - ☒ Projected sales data
 - ☐ Model information (may only add models if the certification emission levels are not changed)
 - ☒ Part numbers (durable to full useful life and no impact on certification emission levels)
 - ☐ Equipment types (i.e. crane, dozer, generator, etc.)

3. All other information in the 2027 application package is identical to the 2026 application package (incorporates all approved running changes to date).
4. The application package is complete and submitted to e-files using the correct workflow process and naming conventions.

Please contact Suvarna Gadam at 313-333-0873, if you have any questions regarding this submission.

Sincerely,

DocuSigned by:
Lawrence H. Merritt, Jr.
DF6ED4749EAC46B...

Lawrence H. Merritt, Jr.
Manager, Emissions Certification
Homologation & Compliance

cc: R.Uyehara



SECTION 15

Other Information

15.00.00.00



SAP Manual Payment Request

(North America)

REF NO: 306187

NAME AND ADDRESS OF PAYEE Environmental Protection Agency-MVECP U.S. Bank - Government Lockbox 979032 1300 Pennsylvania Ave NW - Washington DC 20004-3002 The requestor is responsible to ensure the supplier code has correct company name, remit to and/or banking information whether the payment is going by check or electronically/ACH. REASON FOR DISBURSEMENT	Employee	Ex-Employee / Board of Director	Company Code	Separate Check	Special Handling/ Instruction Key in S4
				Y	
	Supplier Code		Due Date / Baseline Date	Currency	Amount
	GXHSA		ASAP	USD	226,219.00

CERTIFICATION FEES - EPA STANDARD ENGINE FAMILY, EXHAUST EMISSION CONTROL SYSTEM

Alternate Name & Address

COMMENTS (Shown on Remittance Advice/Not to include PII)

2026 MODEL YEAR CERTIFICATION FEES - (FORMS ATTACHED)

GL Account	Profit Center	Cost Center	Internal Order	Reference Key1	Reference Key2	INVOICE #	INVOICE DATE	AMOUNT (Bracket Credits)	1099 Tax Type
63044030	2000005001	1000018234				306187	3/6/2026	226,219.00	N
								-	
							TOTAL	226,219.00	

Pre-requisites for Payment :

1.

Requestors or Approvers to ensure the following

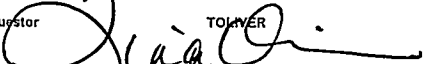
- **Receipt of Service**
- **Price Validation**
- **Supported by invoice or other documentation**

2.

Uses of Manual Payment Requests

3.

Corporate Approval Authorities - Method of Payment

TYPE OF INVOICE:		MANUAL PAYMENT REQUEST - PERMISSIBLE USES (use drop down with Alt+down arrow key):		Uses of Manual Payment Requests		Not in Uses of Manual Payment Request	
Requestor				Operations Approval - Receipt of Service			
CDS ID		Date		CDS ID		Date	
Preparer/Requestor		3/6/2026		Operations Approval		LMERRITT	
							
TOLIVER		3/6/2026		LMERRITT		DF6ED4749EAC46B...	
Approvals per Corporate Approval Authorities - Method of Payment							
Payment Item Is on Uses of Manual Payment Requests				Payment Item Is NOT on Uses of Manual Payment Requests			
CDS ID		Sign		CDS ID		Sign	
MBEDOLLA		Montserrat Bedolla		CDS ID		Sign	
Finance LL6+ Unlimited		3/6/2026		Finance LL6+ Unlimited		Date	
9B61ABFC83D24AA							

It is important to protect personal data when retaining and forwarding this Payment Authorization Form and attachments, if any.
Every effort must be made to prevent exposure.

The space below may be used for additional local requirements

306187

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 03/02/2026

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

FMX

Manufacturer Name *

Ford Motor Company

Contact Name *

Tina Oliver

Contact Email Address *

toliver@ford.com

Contact Phone *

313-323-8938

Calendar Year complete application submitted
to EPA *

2026

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

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

Engine Family / Evaporative Family / Test Group *

VFMXD03.56BG

Certificate Request Type (Industry Sector Code)

Certificate Request Type *

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

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

ICI VIN Number (Required for ICIs Only)

Do you qualify for a Reduced Fee? *

No

Payment Information

Amount Owed

\$32,317.00

Payment Type *

Offline ACH

Comments

sgadam1@ford.com

Pay.gov Tracking ID:2803P7E7

Agency Tracking ID:77313420976

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).

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 03/02/2026

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

FMX

Manufacturer Name *

Ford Motor Company

Contact Name *

Tina Oliver

Contact Email Address *

toliver@ford.com

Contact Phone *

313-323-8938

Calendar Year complete application submitted
to EPA *

2026

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Engine Family / Evaporative Family / Test Group *

VFMXD03.56BG

Certificate Request Type (Industry Sector Code)

Certificate Request Type *

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- ☐ 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)
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Payment Information

Amount Owed

\$32,317.00

Payment Type *

Offline ACH

Comments

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SECTION 17

California ARB Requirements

17.00.00.00

VECI Labels

FoMoCo	Ford Motor Company VEHICLE EMISSION CONTROL INFORMATION	
Conforms to regulations: 2027 MY		
U.S. EPA: T3B150 HDV OBD: CA OBD II		Fuel: Gasoline
California: SULEV150 MDV OBD: CA OBD II		Fuel: Gasoline
DFI/SFI/EGR/TWC/WR-HO2S/HO2S		No adjustments needed.
3.5L-Group: VFMXD03.56BG Evap: VFMXR0185NDJ		
▽VW7E-9C485- M L B		

FoMoCo	Ford Motor Company VEHICLE EMISSION CONTROL INFORMATION	
Conforms to regulations: 2027 MY		
U.S. EPA: T3B150 HDV OBD: CA OBD II		Fuel: Gasoline
California: SULEV150 MDV OBD: CA OBD II		Fuel: Gasoline
DFI/SFI/EGR/TWC/WR-HO2S/HO2S		No adjustments needed.
3.5L-Group: VFMXD03.56BG Evap: VFMXR0215GDJ		
▽VW7E-9C485- M V P		

FoMoCo	Ford Motor Company VEHICLE EMISSION CONTROL INFORMATION	
Conforms to regulations: 2027 MY Incomplete Weight limits refer to Emission Certification only. DO NOT EXCEED VEHICLE GVWR (See Incomplete Vehicle Manual).		
U.S. EPA: T3B150 HDV OBD: CA OBD II		Fuel: Gasoline
California: SULEV150 MDV OBD: CA OBD II		Fuel: Gasoline
Completed Vehicle Maximums: GVWR: 9950 # max. CurbW: 7550 # max. Frontal Area: 66 ft² max.		
DFI/SFI/EGR/TWC/WR-HO2S/HO2S		No adjustments needed.
▽VW7E-9C485- M F G		 3.5L-Group: VFMXD03.56BG Evap: VFMXR0185NDJ

VIEW EPL DATA

Program
Model Year
PTVL

TTH

2027

Group Name

VFMXD03.56BG,
VFMXD03.56BG

Model Year	Manufacturer	Make	Model Name	Test Group Name	Label Group	California Emission Standard	Smog Rating	Fuel Type	Zero Emission Vehicles? (Yes/No)	Flexible-Fuel and Dual-Fuel Vehicles (Yes/No)	CO2 City (FTP)	CO2 Highway (HFET)	Combined CO2 Emission	CO2 City Value based on AD CO2 (Yes/No)? If yes, what is derived CO2 value?	CO2 Highway Value based on AD CO2 (Yes/No)? If yes, what is derived CO2 value?	Combined CO2 based on AD CO2 (Yes/No)? If yes, what is the derived combined CO2 value?	GHG Rating	PTVL
2027	Ford	Ford	T350 Chassis Cab	VFMXD03.56BG		L3SULEV150	A	GASOLINE-EPA	No	No	630.7	499.3	572	No	No	No	C	TTH
2027	Ford	Ford	T350 Chassis Cab	VFMXD03.56BG		L3SULEV150	A	GASOLINE-TIER3 E10	No	No	627.2	485.0	563	No	No	No	C	TTH

Environmental Performance

These ratings are not directly comparable to the U.S. EPA/DOT light-duty vehicle label ratings.
For information on how to compare, please see www.arb.ca.gov/ep_label.

Protect the environment. Choose vehicles with **higher ratings**:

Greenhouse Gas Rating (tailpipe only)



Smog Rating (tailpipe only)



Using alternative fuels may change scores.

Vehicle emissions are a primary contributor to climate change and smog. Ratings are determined by the California Air Resources Board based on this vehicle's measured emissions.



SECTION 18

Revisions

18.00.00.00

Application for Certification

Part 2