



APPROVED ALLIANCE ENGINEERED FUEL SYSTEMS

APPLICATION GUIDE – MAY 2024

Application:

This guide is designed to assist as a reference for the *Sales Representative* in deciding as to whether a specific vehicle/engine combination is covered by an EPA or CARB approval, has a conversion system available and the required certification level of the installation technician.

To be certain that your installation will be EPA compliant, please be sure that your OEM Test Group and OEM Evaporative Group are listed on this document.

Installation Technician Certification Levels (TCL):

- **A = Conversion Level** – Has been extensively trained and can adapt a universal system to a specific vehicle platform. Can make responsible decisions about component placement, mounting, etc.
- **B = Installer level** – Has been trained in the installation and entry-level diagnostics of “Plug n Play” systems only.
- **C = Maintenance level** – Has been trained on basic maintenance of the VSI systems (e.g., filter replacement, pressure adjustments, and entry-level diagnostics)
- **S = Small Engines** – Has been trained in the conversion of small engine platforms. Can make responsible decisions about component placement, mounting, etc.

Ready To Ship (RTS): “√” = ready to ship

Valve Care (VC): “γ” = Valve Care system required. Approximately 1 liter VC fluid per 1000 liters of Autogas (or \$0.09/gallon)

Alliance Autogas Systems Training Dates:

Autogas Systems Training events are held regularly at our R&D facility in Asheville, NC. Please contact Jeff Early jeary@blossmangas.com to reserve your place to attend the new format ONE DAY training event for any of the following dates:

May (14, 15 or 16) June (18, 19 or 20)

Terminology Key:

- “INTERESTED” = We have strong interest in this platform and have pending commitments
- “COMMITTED” = We have committed to certifying this platform soon as quickly as reasonable
- “IN DEVELOPMENT” = We have the test vehicle under construction and are preparing it for testing
- “TESTING” = Vehicle testing currently in progress
- “PENDING” = All testing complete, paperwork being filed with EPA
- All vehicles listed with a ‘BSI Test Group’ number have EPA approvals.

If you have any questions regarding EPA approvals, please email us at info@AllianceAutogas.com or call 1-800-4AUTOGAS and it would be our pleasure to assist you.

New features & highlights for May 2024:

- 2023 F150 3.5L EcoBoost™
- 2023 Durango & Durango Pursuit 3.6L
- More Toyotas!

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Ford Motor Company Powertrains:

MY	Engine	Vehicle Description	VC	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
FORD MOTOR COMPANY TRUCKS											
2024	3.0L PFDIt	Ford Explorer (EcoBoost) RWD/AWD							RFMXT03.03U2		PENDING
2024	3.0L PFDIt	Ford Explorer (EcoBoost) Interceptor Utility									PENDING
2023	3.0L PFDIt	Ford Explorer (EcoBoost) RWD/AWD	N	✓	Partial		✓	A	PFMXT03.03U2	PFMXR0185NDG	PBLMT03.03U2
2023	3.0L PFDIt	Ford Explorer (EcoBoost) Interceptor Utility	N	✓	Partial		✓	A	PFMXT03.03U2	PFMXR0185NDG	PBLMT03.03U2
2022	3.0L PFDIt	Ford Explorer (EcoBoost) RWD/AWD	N	✓	Partial		✓	A	NFMXT03.03U2	NFMXR0185NDG	PBLMT03.03UN
2022	3.0L PFDIt	Ford Explorer (EcoBoost) Interceptor Utility	N	✓	Partial		✓	A	NFMXT03.03U2	NFMXR0185NDG	PBLMT03.03UN
2021	3.0L PFDIt	Ford Explorer (EcoBoost) RWD/AWD	N	✓	Partial		✓	A	MFMXT03.03U2	MFMXR0170NDG	PBLMT03.33UM
2021	3.0L PFDIt	Ford Explorer (EcoBoost) Interceptor Utility	N	✓	Partial		✓	A	MFMXT03.03U2	MFMXR0170NDG	PBLMT03.33UM
2021	3.0L PFDIt	Ford Explorer (EcoBoost) RWD/AWD	N	✓	Partial		✓	A	MFMXT03.03U2	MFMXR0185NDG	PBLMT03.33UM
2021	3.0L PFDIt	Ford Explorer (EcoBoost) Interceptor Utility	N	✓	Partial		✓	A	MFMXT03.03U2	MFMXR0185NDG	PBLMT03.33UM
2020	3.0L PFDIt	Ford Explorer (EcoBoost) RWD/AWD	N	✓	Partial		✓	A	LFMXT03.03U2	LFMXR0170NDG	PBLMT03.33UL
2020	3.0L PFDIt	Ford Explorer (EcoBoost) Interceptor Utility	N	✓	Partial		✓	A	LFMXT03.03U2	LFMXR0170NDG	PBLMT03.33UL
2024	3.3L PFDI	Explorer AWD	N						RFMXT03.33U3	RFMXR0185NDF	RBLMT03.33U3
2024	3.3L PFDI	Explorer Interceptor Utility AWD	N						RFMXT03.33U3	RFMXR0185NDG	RBLMT03.33U3
2023	3.3L PFDI	Explorer AWD	N	✓	Partial		✓	A	PFMXT03.33U3	PFMXR0185NDF	PBLMT03.3U3
2023	3.3L PFDI	Explorer Interceptor Utility AWD	N	✓	Partial		✓	A	PFMXT03.33U3	PFMXR0185NDG	PBLMT03.3U3
2022	3.3L PFDI	Explorer AWD	N	✓	Partial		✓	A	NFMXT03.33U3	NFMXR0185NDF	NBLMT03.3U3
2022	3.3L PFDI	Explorer Interceptor Utility AWD	N	✓	Partial		✓	A	NFMXT03.33U3	NFMXR0185NDG	NBLMT03.3U3
2021	3.3L PFDI	Explorer RWD/4WD	N	✓	Partial		✓	A	MFMXT03.33U3	MFMXR0170NDF	LBLMT03.3UM
2021	3.3L PFDI	Explorer RWD/4WD	N	✓	Partial		✓	A	MFMXT03.33U3	MFMXR0170NDG	LBLMT03.3UM
2020	3.3L PFDI	Explorer RWD/4WD	N	✓	Partial		✓	A	LFMXT03.33U3	LFMXR0170NDF	LBLMT03.3U3
2020	3.3L PFDI	Explorer RWD/4WD	N	✓	Partial		✓	A	LFMXT03.33U3	LFMXR0170NDG	LBLMT03.3U3
2024	3.5L PFDIt	Expedition (EcoBoost)	Y		Partial		✓				ON HOLD
2023	3.5L PFDIt	Expedition (EcoBoost)	Y		Partial		✓				ON HOLD
2022	3.5L PFDIt	Expedition (EcoBoost)	Y		Partial		✓				ON HOLD
2021	3.5L PFDIt	Expedition (EcoBoost)	N		Partial		✓				ON HOLD
2024	3.0L PFDIt	Lincoln Aviator RWD/AWD	N						RFMXT03.03U2		PENDING
2023	3.0L PFDIt	Lincoln Aviator RWD/AWD	N	✓	Partial		✓	A	PFMXT03.03U2	PFMXR0185NDG	PBLMT03.03U2
2022	3.0L PFDIt	Lincoln Aviator RWD/AWD	N	✓	Partial		✓	A	NFMXT03.03U2	NFMXR0185NDG	PBLMT03.03UN
2021	3.0L PFDIt	Lincoln Aviator RWD/AWD	N	✓	Partial		✓	A	MFMXT03.03U2	MFMXR0185NDG	PBLMT03.33UM
2020	3.0L PFDIt	Lincoln Aviator RWD/AWD	N	✓	Partial		✓	A	LFMXT03.03U2	LFMXR0170NDG	PBLMT03.33UL
2024	3.5L PFDIt	Lincoln Navigator (EcoBoost)	Y		Partial		✓				ON HOLD
2023	3.5L PFDIt	Lincoln Navigator (EcoBoost)	Y		Partial		✓				ON HOLD
2022	3.5L PFDIt	Lincoln Navigator (EcoBoost)	Y		Partial		✓				ON HOLD
2021	3.5L PFDIt	Lincoln Navigator (EcoBoost)	N		Partial		✓				ON HOLD

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Ford Motor Company Powertrains (continued):

MY	Engine	Vehicle Description	VC	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
FORD MOTOR COMPANY TRUCKS E-SERIES (VAN CHASSIS)											
2024	7.3L	E-Series, Step Van	N						RFMXE07.3BW7		COMMITTED
2023	7.3L	E-Series, Step Van	N						PFMXE07.3BW7		PENDING
2022	7.3L	E-Series, Step Van	N	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0210GCK	PBLME07.3BWN
2022	7.3L	E-Series	N	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0360NGK	PBLME07.3BWN
2021	7.3L	E-Series, Step Van	N	✓	✓	✓	✓	B	MFMXE07.3BW7	MFMXF0210GCK	PBLME07.3BWN
2021	7.3L	E-Series	N	✓	✓	✓	✓	B	MFMXE07.3BW7	MFMXF0360NGK	PBLME07.3BWN
2020	7.3L	E-Series, Step Van	N	✓	✓	✓	✓	B	LFMXE07.3BW7	LFMXF0210GCK	LBLME07.3BW7
2020	7.3L	E-Series	N	✓	✓	✓	✓	B	LFMXE07.3BW7	LFMXF0360NGK	LBLME07.3BW7
FORD MOTOR COMPANY TRUCKS F-SERIES (PICKUP CHASSIS)											
2024	2.7L PFDI	F150 2WD/4WD	N						RFMXT02.73JK		IN DEVELOPMENT
2020	3.3L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXT03.33DU	LFMXR0200GDG	LBLMT03.33DU
2020	3.3L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXT03.33DU	LFMXR0260NDG	LBLMT03.33DU
2019	3.3L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	KFMXT03.33DT	KFMXR0200GDG	KBLMT03.33DU
2019	3.3L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	KFMXT03.33DT	KFMXR0260NDG	KBLMT03.33DU
2019	3.3L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	KFMXT03.33DU	KFMXR0200GDG	KBLMT03.33DU
2019	3.3L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	KFMXT03.33DU	KFMXR0260NDG	KBLMT03.33DU
2019	3.3L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	KFMXT03.33DU	KFMXR0260NDP	KBLMT03.33DU
2018	3.3L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	JFMXT03.33DT	JFMXR0200GDG	JBLMT03.33DT
2018	3.3L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	JFMXT03.33DT	JFMXR0260NDG	JBLMT03.33DT
2018	3.3L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	JFMXT03.33DU	JFMXR0200GDG	JBLMT03.33DT
2018	3.3L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	JFMXT03.33DU	JFMXR0260NDG	JBLMT03.33DT
2018	3.3L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	JFMXT03.33DU	JFMXR0260NDP	JBLMT03.33DT
2024	3.5L PFDIt	F150 2WD/4WD EcoBoost	Y								COMMITTED
2023	3.5L PFDIt	F150 2WD/4WD, Police Responder 4WD	Y	✓	Partial	✓	✓	A	PFMXT03.54JK	PFMXR0200GDG	RBLMT03.54JK
2023	3.5L PFDIt	F150 2WD/4WD, Police Responder 4WD	Y	✓	Partial	✓	✓	A	PFMXT03.54JK	PFMXR0200GDG	RBLMT03.54JK
2023	5.0L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	PFMXT05.03DP	PFMXR0260NDV	PBLMT05.03DP
2023	5.0L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	PFMXT05.03DP	PFMXR0200GDG	PBLMT05.03DP
2022	5.0L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	NFMXT05.03DP	NFMXR0260NDV	PBLMT05.03DN
2022	5.0L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	NFMXT05.03DP	NFMXR0200GDG	PBLMT05.03DN
2021	5.0L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	MFMXT05.03DP	MFMXR0260NDV	NBLMT05.03DP
2021	5.0L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	MFMXT05.03DP	MFMXR0200GDG	NBLMT05.03DM
2020	5.0L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXT05.03DP	LBLMR0200GDG	LBLMT05.03DP
2020	5.0L PFDI	F150 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXT05.03DP	LBLMR0260NDV	LBLMT05.03DP

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FORD MOTOR COMPANY TRUCKS F-SERIES (PICKUP CHASSIS)											
2022	6.2L	F250/F350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	NFMXD06.26BC	NFMXR0250NHJ	NBLMD06.26BC
2022	6.2L	F250/F350 2WD/4WD BED DELETE	N	✓	✓	✓	✓	B	NFMXD06.26BC	NFMXF0250NDJ	NBLMD06.26BC
2022	6.2L	F250/F350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	NFMXD06.26BC	NFMXR0360NHJ	NBLMD06.26BC
2022	6.2L	F250/F350 2WD/4WD BED DELETE	N	✓	✓	✓	✓	B	NFMXD06.26BC	NFMXF0360NHJ	NBLMD06.26BC
2022	6.2L	F350 INCOMPLETE	N	✓	✓	✓	✓	B	NFMXD06.26CH	NFMXF0210GDJ	NBLMD06.26BC
2022	6.2L	F350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	NFMXD06.27BC	NFMXR0250NHJ	NBLMD06.27BC
2022	6.2L	F350 2WD/4WD BED DELETE	N	✓	✓	✓	✓	B	NFMXD06.27BC	NFMXF0250NDJ	NBLMD06.27BC
2022	6.2L	F350 2WD/4WD PICKUP >10K	N	✓	✓	✓	✓	B	NFMXD06.27BC	NFMXR0360NHJ	NBLMD06.27BC
2022	6.2L	F350 2WD/4WD BED DELETE	N	✓	✓	✓	✓	B	NFMXD06.27BC	NFMXF0360NHJ	NBLMD06.27BC
2022	6.2L	F250/F350 CHASSIS CAB INCOMPLETE >10K	N	✓	✓	✓	✓	B	NFMXD06.27BC	NFMXF0210GDJ	NBLMD06.27BC
2021	6.2L	F250/F350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	MFMD06.26BC	MFMR0250NHJ	MBLMD06.26BC
2021	6.2L	F250/F350 2WD/4WD BED DELETE	N	✓	✓	✓	✓	B	MFMD06.26BC	MFMF0250NDJ	MBLMD06.26BC
2021	6.2L	F250/F350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	MFMD06.26BC	MFMR0360NHJ	MBLMD06.26BC
2021	6.2L	F250/F350 2WD/4WD BED DELETE	N	✓	✓	✓	✓	B	MFMD06.26BC	MFMF0360NHJ	MBLMD06.26BC
2021	6.2L	F350 INCOMPLETE	N	✓	✓	✓	✓	B	MFMD06.26CH	MFMF0210GDJ	MBLMD06.26BC
2021	6.2L	F350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	MFMD06.27BC	MFMR0250NHJ	MBLMD06.27BC
2021	6.2L	F350 2WD/4WD BED DELETE	N	✓	✓	✓	✓	B	MFMD06.27BC	MFMF0250NDJ	MBLMD06.27BC
2021	6.2L	F350 2WD/4WD PICKUP >10K	N	✓	✓	✓	✓	B	MFMD06.27BC	MFMR0360NHJ	MBLMD06.27BC
2021	6.2L	F350 2WD/4WD BED DELETE	N	✓	✓	✓	✓	B	MFMD06.27BC	MFMF0360NHJ	MBLMD06.27BC
2021	6.2L	F250/F350 CHASSIS CAB INCOMPLETE >10K	N	✓	✓	✓	✓	B	MFMD06.27BC	MFMF0210GDJ	MBLMD06.27BC
2020	6.2L	F250/F350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	LFMD06.26BC	LFMR0250NHJ	LBLMD06.26BC
2020	6.2L	F250/F350 2WD/4WD BED DELETE	N	✓	✓	✓	✓	B	LFMD06.26BC	LFMF0250NDJ	LBLMD06.26BC
2020	6.2L	F250/F350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	LFMD06.26BC	LFMR0360NHJ	LBLMD06.26BC
2020	6.2L	F250/F350 2WD/4WD BED DELETE	N	✓	✓	✓	✓	B	LFMD06.26BC	LFMF0360NHJ	LBLMD06.26BC
2020	6.2L	F350 INCOMPLETE	N	✓	✓	✓	✓	B	LFMD06.26CH	LFMF0210GDJ	LBLMD06.26BC
2020	6.2L	F350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	LFMD06.27BC	LFMR0250NHJ	LBLMD06.27BC
2020	6.2L	F350 2WD/4WD BED DELETE	N	✓	✓	✓	✓	B	LFMD06.27BC	LFMF0250NDJ	LBLMD06.27BC
2020	6.2L	F350 2WD/4WD PICKUP >10K	N	✓	✓	✓	✓	B	LFMD06.27BC	LFMR0360NHJ	LBLMD06.27BC
2020	6.2L	F350 2WD/4WD BED DELETE	N	✓	✓	✓	✓	B	LFMD06.27BC	LFMF0360NHJ	LBLMD06.27BC
2020	6.2L	F250/F350 CHASSIS CAB INCOMPLETE >10K	N	✓	✓	✓	✓	B	LFMD06.27CH	LFMF0210GDJ	LBLMD06.27BC
2024	6.8L V8	F250/350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	RFMD06.86BC	RFMR0250NHJ	RBLMD06.86BC
2024	6.8L V8	F250/350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	RFMD06.86BC	RFMR0360NHJ	RBLMD06.86BC
2024	6.8L V8	F250/350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	RFMD06.87BC	RFMR0250NHJ	RBLMD06.87BC
2024	6.8L V8	F250/350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	RFMD06.87BC	RFMR0360NHJ	RBLMD06.87BC
2023	6.8L V8	F250/350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	PFMD06.86BC	PFMR0250NHJ	PBLMD06.86BC
2023	6.8L V8	F250/350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	PFMD06.86BC	PFMR0360NHJ	PBLMD06.86BC
2023	6.8L V8	F250/350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	PFMD06.87BC	PFMR0250NHJ	PBLMD06.87BC
2023	6.8L V8	F250/350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	PFMD06.87BC	PFMR0360NHJ	PBLMD06.87BC

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Ford Motor Company Powertrains (continued):

MY	Engine	Vehicle Description	VC	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
FORD MOTOR COMPANY TRUCKS F-SERIES (PICKUP CHASSIS)											
2024	7.3L	F250/350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	RFMXD07.373K	RFMXR0250NHJ	PBLMD06.87BC
2024	7.3L	F250/350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	RFMXD07.373K	PFMXR0360NHJ	PBLMD06.87BC
2023	7.3L	F250/350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	PFMXD07.373K	PFMXR0250NHJ	PBLMD06.87BC
2023	7.3L	F250/350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	PFMXD07.373K	PFMXR0360NHJ	PBLMD06.87BC
2022	7.3L	F250/F350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	NFMXD07.363H	NFMXR0250NHJ	NBLMD07.363H
2022	7.3L	F250/F350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	NFMXD07.363H	NFMXR0360NHJ	NBLMD07.363H
2022	7.3L	F350 2WD/4WD	N	✓	✓	✓	✓	B	NFMXD07.373K	NFMXR0250NHJ	NBLMD07.373K
2022	7.3L	F350 2WD/4WD	N	✓	✓	✓	✓	B	NFMXD07.373K	NFMXR0360NHJ	NBLMD07.373K
2021	7.3L	F250/F350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	MFMXD07.363H	MFMXR0250NHJ	MBLMD07.363H
2021	7.3L	F250/F350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	MFMXD07.363H	MFMXR0360NHJ	MBLMD07.363H
2021	7.3L	F350 2WD/4WD	N	✓	✓	✓	✓	B	MFMXD07.373K	MFMXR0250NHJ	MBLMD07.373K
2021	7.3L	F350 2WD/4WD	N	✓	✓	✓	✓	B	MFMXD07.373K	MFMXR0360NHJ	MBLMD07.373K
2020	7.3L	F250/F350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	LFMXD07.363H	LFMXR0250NHJ	LBLMD07.363H
2020	7.3L	F250/F350 2WD/4WD PICKUP	N	✓	✓	✓	✓	B	LFMXD07.363H	LFMXR0360NHJ	LBLMD07.363H
2020	7.3L	F350 2WD/4WD	N	✓	✓	✓	✓	B	LFMXD07.373K	LFMXR0250NHJ	LBLMD07.373K
2020	7.3L	F350 2WD/4WD	N	✓	✓	✓	✓	B	LFMXD07.373K	LFMXR0360NHJ	LBLMD07.373K
2024	7.3L	F450/F550/F600 SUPERDUTY	N						RFMXE07.3BW7		COMMITTED
2023	7.3L	F450/F550/F600 SUPERDUTY	N						PFMXE07.3BW7		PENDING
2022	7.3L	F450/F550/F600 SUPERDUTY	N	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0210GDK	PBLME07.3BWN
2021	7.3L	F450/F550/F600 SUPERDUTY	N	✓	✓	✓	✓	B	MFMXE07.3BW7	MFMXF0210GDK	PBLME07.3BWN
2020	7.3L	F450/F550/F600 SUPERDUTY	N	✓	✓	✓	✓	B	LFMXE07.3BW7	LFMXF0210GDK	LBLME07.3BW7
2024	7.3L	F650/F750 MEDIUM DUTY	N						RFMXE07.3BW7		COMMITTED
2024	7.3L	F650/F750 MEDIUM DUTY	N						RFMXE07.3BW7		COMMITTED
2024	7.3L	F53/F59 MOTORHOME CHASSIS	N						RFMXE07.3BW7		COMMITTED
2023	7.3L	F650/F750 MEDIUM DUTY	N						PFMXE07.3BW7		PENDING
2023	7.3L	F650/F750 MEDIUM DUTY	N						PFMXE07.3BW7		PENDING
2023	7.3L	F53/F59 MOTORHOME CHASSIS	N						PFMXE07.3BW7		PENDING
2022	7.3L	F650/F750 MEDIUM DUTY	N	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0210GCV	PBLME07.3BWN
2022	7.3L	F650/F750 MEDIUM DUTY	N	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0360NGV	PBLME07.3BWN
2022	7.3L	F53/F59 MOTORHOME CHASSIS	N	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0365NGK	PBLME07.3BWN
2021	7.3L	F650/F750 MEDIUM DUTY	N	✓	✓	✓	✓	B	MFMXE07.3BW7	MFMXF0210GCV	PBLME07.3BWN
2021	7.3L	F650/F750 MEDIUM DUTY	N	✓	✓	✓	✓	B	MFMXE07.3BW7	MFMXF0360NGV	PBLME07.3BWN
2021	7.3L	F53/F59 MOTORHOME CHASSIS	N	✓	✓	✓	✓	B	MFMXE07.3BW7	MFMXF0365NGK	PBLME07.3BWN
2020	7.3L	F650/F750 MEDIUM DUTY	N	✓	✓	✓	✓	B	LFMXE07.3BW7	LFMXF0210GCV	LBLME07.3BW7
2020	7.3L	F650/F750 MEDIUM DUTY	N	✓	✓	✓	✓	B	LFMXE07.3BW7	LFMXF0360NGV	LBLME07.3BW7
2020	7.3L	F53/F59 MOTORHOME CHASSIS	N	✓	✓	✓	✓	B	LFMXE07.3BW7	LFMXF0365NGK	LBLME07.3BW7

APPROVED ALLIANCE ENGINEERED FUEL SYSTEMS

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Ford Motor Company Powertrains (continued):

MY	Engine	Vehicle Description	VC	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
FORD MOTOR COMPANY TRUCKS T-SERIES (TRANSIT VAN & WAGON)											
2022	3.5L PFDI	Transit T150 Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	NFMXT03.55HM	NFMXR0185NDH	NBLMT03.55HM
2022	3.5L PFDI	Transit T150 Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	NFMXT03.55HM	NFMXR0215GDH	NBLMT03.55HM
2022	3.5L PFDI	Transit T150/250/350 Van/Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	NFMXD03.56BG	NFMXR0185NDJ	NBLMD03.56BG
2022	3.5L PFDI	Transit T250/350 Chassis Cab/Cutaway 2WD/4WD	N	✓	Partial	✓	✓	A	NFMXD03.56BG	NFMXF0185NDJ	NBLMD03.56BG
2022	3.5L PFDI	Transit T150/250/350 Van,T350 Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	NFMXD03.56BG	NFMXR0215GDJ	NBLMD03.56BG
2022	3.5L PFDI	Transit T250/350 Chassis Cab/Cutaway 2WD/4WD	N	✓	Partial	✓	✓	A	NFMXD03.56BG	NFMXF0215GDJ	NBLMD03.56BG
2022	3.5L PFDI	Transit T350 Wagon/Van 2WD	N	✓	Partial	✓	✓	A	NFMXD03.57BG	NFMXR0185NDJ	NBLMD03.57BG
2022	3.5L PFDI	Transit T350 Wagon/Van 2WD	N	✓	Partial	✓	✓	A	NFMXD03.57BG	NFMXR0215GDJ	NBLMD03.57BG
2021	3.5L PFDI	Transit T150 Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	MFMXT03.55HM	MFMXR0185NDH	MBLMT03.55HM
2021	3.5L PFDI	Transit T150 Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	MFMXT03.55HM	MFMXR0215GDH	MBLMT03.55HM
2021	3.5L PFDI	Transit T150/250/350 Van/Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	MFMXD03.56BG	MFMXR0185NDJ	MBLMD03.56BG
2021	3.5L PFDI	Transit T250/350 Chassis Cab/Cutaway 2WD/4WD	N	✓	Partial	✓	✓	A	MFMXD03.56BG	MFMXR0185NDJ	MBLMD03.56BG
2021	3.5L PFDI	Transit T150/250/350 Van,T350 Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	MFMXD03.56BG	MFMXR0215GDJ	MBLMD03.56BG
2021	3.5L PFDI	Transit T250/350 Chassis Cab/Cutaway 2WD/4WD	N	✓	Partial	✓	✓	A	MFMXD03.56BG	MFMXF0215GDJ	MBLMD03.56BG
2021	3.5L PFDI	Transit T350 Wagon/Van 2WD	N	✓	Partial	✓	✓	A	MFMXD03.57BG	MFMXR0185NDJ	MBLMD03.57BG
2021	3.5L PFDI	Transit T350 Wagon/Van 2WD	N	✓	Partial	✓	✓	A	MFMXD03.57BG	MFMXR0215GDJ	MBLMD03.57BG
2020	3.5L PFDI	Transit T150 Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXT03.55HM	LFMXR0185NDH	LBLMT03.55HM
2020	3.5L PFDI	Transit T150 Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXT03.55HM	LFMXR0215GDH	LBLMT03.55HM
2020	3.5L PFDI	T150/250/350 Van/Wagon/Cutaway 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXD03.56BG	LFMXR0185NDJ	LBLMD03.56BG
2020	3.5L PFDI	T150/250/350 Van/Wagon/Cutaway 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXD03.56BG	LFMXR0185NDJ	LBLMD03.56BG
2020	3.5L PFDI	T150/250/350 Van/Wagon/Cutaway 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXD03.56BG	LFMXR0215GDJ	LBLMD03.56BG
2020	3.5L PFDI	T150/250/350 Van/Wagon/Cutaway 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXD03.56BG	LFMXF0215GDJ	LBLMD03.56BG
2020	3.5L PFDI	Transit T350 Wagon/Van 2WD	N	✓	Partial	✓	✓	A	LFMXD03.57BG	LFMXR0185NDJ	LBLMD03.57BG
2020	3.5L PFDI	Transit T350 Wagon/Van 2WD	N	✓	Partial	✓	✓	A	LFMXD03.57BG	LFMXR0215GDJ	LBLMD03.57BG
2024	3.5L GDTI	Transit T350 van 2WD/4WD	N								PENDING
2024	3.5L GDTI	Transit T350 Wagon 2WD/4WD	N								PENDING
2024	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD	N								PENDING
2024	3.5L GDTI	Transit T350 Cutaway 2WD/4WD	N								PENDING
2024	3.5L GDTI	Transit T350 van 2WD/4WD	N								PENDING
2024	3.5L GDTI	Transit T350 Wagon 2WD/4WD	N								PENDING
2024	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD	N								PENDING
2024	3.5L GDTI	Transit T350 Cutaway 2WD/4WD	N								PENDING
2023	3.5L GDTI	Transit T350 van 2WD/4WD	N	✓	Partial	✓	✓	A	PFMXD03.57BZ	PFM XR0185NDJ	PBLMD03.57BZ
2023	3.5L GDTI	Transit T350 Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	PFMXD03.57BZ	PFM XR0185NDJ	PBLMD03.57BZ
2023	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD	N	✓	Partial	✓	✓	A	PFMXD03.57BZ	PFM XF0185NDJ	PBLMD03.57BZ
2023	3.5L GDTI	Transit T350 Cutaway 2WD/4WD	N	✓	Partial	✓	✓	A	PFMXD03.57BZ	PFM XF0185NDJ	PBLMD03.57BZ
2023	3.5L GDTI	Transit T350 van 2WD/4WD	N	✓	Partial	✓	✓	A	PFMXD03.57BZ	PFM XR0215GDJ	PBLMD03.57BZ
2023	3.5L GDTI	Transit T350 Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	PFMXD03.57BZ	PFM XR0215GDJ	PBLMD03.57BZ
2023	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD	N	✓	Partial	✓	✓	A	PFMXD03.57BZ	PFM XF0215GDJ	PBLMD03.57BZ
2023	3.5L GDTI	Transit T350 Cutaway 2WD/4WD	N	✓	Partial	✓	✓	A	PFMXD03.57BZ	PFM XF0215GDJ	PBLMD03.57BZ
2022	3.5L GDTI	Transit T350 van 2WD/4WD	N	✓	Partial	✓	✓	A	NFMXD03.57BZ	NFM XR0185NDJ	PBLMD03.57BN
2022	3.5L GDTI	Transit T350 Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	NFMXD03.57BZ	NFM XR0185NDJ	PBLMD03.57BN
2022	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD	N	✓	Partial	✓	✓	A	NFMXD03.57BZ	NFM XF0185NDJ	PBLMD03.57BN
2022	3.5L GDTI	Transit T350 Cutaway 2WD/4WD	N	✓	Partial	✓	✓	A	NFMXD03.57BZ	NFM XF0185NDJ	PBLMD03.57BN
2022	3.5L GDTI	Transit T350 van 2WD/4WD	N	✓	Partial	✓	✓	A	NFMXD03.57BZ	NFM XR0215GDJ	PBLMD03.57BN
2022	3.5L GDTI	Transit T350 Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	NFMXD03.57BZ	NFM XR0215GDJ	PBLMD03.57BN
2022	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD	N	✓	Partial	✓	✓	A	NFMXD03.57BZ	NFM XF0215GDJ	PBLMD03.57BN
2022	3.5L GDTI	Transit T350 Cutaway 2WD/4WD	N	✓	Partial	✓	✓	A	NFMXD03.57BZ	NFM XF0215GDJ	PBLMD03.57BN
2021	3.5L GDTI	Transit T350 van 2WD/4WD	N	✓	Partial	✓	✓	A	MFMXD03.57BZ	MFM XR0185NDJ	PBLMD03.57BM
2021	3.5L GDTI	Transit T350 Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	MFMXD03.57BZ	MFM XR0185NDJ	PBLMD03.57BM
2021	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD	N	✓	Partial	✓	✓	A	MFMXD03.57BZ	MFM XF0185NDJ	PBLMD03.57BM
2021	3.5L GDTI	Transit T350 Cutaway 2WD/4WD	N	✓	Partial	✓	✓	A	MFMXD03.57BZ	MFM XF0185NDJ	PBLMD03.57BM
2021	3.5L GDTI	Transit T350 van 2WD/4WD	N	✓	Partial	✓	✓	A	MFMXD03.57BZ	MFM XR0215GDJ	PBLMD03.57BM
2021	3.5L GDTI	Transit T350 Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	MFMXD03.57BZ	MFM XR0215GDJ	PBLMD03.57BM
2021	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD	N	✓	Partial	✓	✓	A	MFMXD03.57BZ	MFM XF0215GDJ	PBLMD03.57BM
2021	3.5L GDTI	Transit T350 Cutaway 2WD/4WD	N	✓	Partial	✓	✓	A	MFMXD03.57BZ	MFM XF0215GDJ	PBLMD03.57BM
2020	3.5L GDTI	Transit T350 van 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXD03.57BZ	LFM XR0185NDJ	PBLMD03.57BL
2020	3.5L GDTI	Transit T350 Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXD03.57BZ	LFM XR0185NDJ	PBLMD03.57BL
2020	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXD03.57BZ	LFM XF0185NDJ	PBLMD03.57BL
2020	3.5L GDTI	Transit T350 Cutaway 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXD03.57BZ	LFM XF0185NDJ	PBLMD03.57BL
2020	3.5L GDTI	Transit T350 van 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXD03.57BZ	LFM XR0215GDJ	PBLMD03.57BL
2020	3.5L GDTI	Transit T350 Wagon 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXD03.57BZ	LFM XR0215GDJ	PBLMD03.57BL
2020	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXD03.57BZ	LFM XF0215GDJ	PBLMD03.57BL
2020	3.5L GDTI	Transit T350 Cutaway 2WD/4WD	N	✓	Partial	✓	✓	A	LFMXD03.57BZ	LFM XF0215GDJ	PBLMD03.57BL

APPROVED ALLIANCE ENGINEERED FUEL SYSTEMS

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General Motors Powertrains:

MY	Engine	Vehicle Description	VC	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
GENERAL MOTORS TRUCKS C/K-SERIES (PICKUP CHASSIS)											
2023	5.3L GDI	Sierra 2WD	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Sierra 2WD Cab Chassis	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Sierra 4WD	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Sierra 4WD Cab Chassis	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Sierra 4WD Mud Terrain Tires	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Silverado 2WD	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Silverado 2WD Cab Chassis	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Silverado 4WD	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Silverado 4WD Cab Chassis	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Silverado 4WD Mud Terrain Tires	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Tahoe 2WD	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Tahoe 4WD	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Yukon 2WD	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Yukon 4WD	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Suburban 2WD	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Suburban 4WD	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Yukon XL 2WD	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Yukon XL 4WD	N	✓	Partial	✓	✓	A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2022	5.3L GDI	Sierra 2WD	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Sierra 2WD Cab Chassis	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Sierra 4WD	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Sierra 4WD Cab Chassis	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Sierra 4WD Mud Terrain Tires	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Silverado 2WD	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Silverado 2WD Cab Chassis	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Silverado 4WD	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Silverado 4WD Cab Chassis	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Silverado 4WD Mud Terrain Tires	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Tahoe 2WD	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Tahoe 4WD	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Yukon 2WD	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Yukon 4WD	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Suburban 2WD	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR022450C	PBLMT05.338N
2022	5.3L GDI	Suburban 4WD	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR022450C	PBLMT05.338N
2022	5.3L GDI	Yukon XL 2WD	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR022450C	PBLMT05.338N
2022	5.3L GDI	Yukon XL 4WD	N	✓	Partial	✓	✓	A	NGMXT05.3386	NGMXR022450C	PBLMT05.338N
2021	5.3L GDI	Sierra 2WD	N	✓	Partial	✓	✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Sierra 2WD Cab Chassis	N	✓	Partial	✓	✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Sierra 4WD	N	✓	Partial	✓	✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Sierra 4WD AT4	N	✓	Partial	✓	✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Sierra 4WD Cab Chassis	N	✓	Partial	✓	✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Silverado 2WD	N	✓	Partial	✓	✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Silverado 2WD Cab Chassis	N	✓	Partial	✓	✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Silverado 4WD	N	✓	Partial	✓	✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Silverado 4WD Cab Chassis	N	✓	Partial	✓	✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Silverado 4WD Trailboss	N	✓	Partial	✓	✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Tahoe 2WD	N	✓	Partial	✓	✓	A	MGMXT05.3388	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Tahoe 4WD	N	✓	Partial	✓	✓	A	MGMXT05.3388	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Yukon 2WD	N	✓	Partial	✓	✓	A	MGMXT05.3388	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Yukon 4WD	N	✓	Partial	✓	✓	A	MGMXT05.3388	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Suburban 2WD	N	✓	Partial	✓	✓	A	MGMXT05.3388	MGMXR022450C	PBLMT05.338M
2021	5.3L GDI	Suburban 4WD	N	✓	Partial	✓	✓	A	MGMXT05.3388	MGMXR022450C	PBLMT05.338M
2021	5.3L GDI	Yukon XL 2WD	N	✓	Partial	✓	✓	A	MGMXT05.3388	MGMXR022450C	PBLMT05.338M
2021	5.3L GDI	Yukon XL 4WD	N	✓	Partial	✓	✓	A	MGMXT05.3388	MGMXR022450C	PBLMT05.338M

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General Motors Powertrains (continued):

MY	Engine	Vehicle Description	VC	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
GENERAL MOTORS TRUCKS C/K-SERIES (PICKUP CHASSIS)											
2020	5.3L GDI	Sierra 2WD	N	✓	Partial	✓	✓	A	LGMXT05.3385	LGMXR017350D	NBLMT05.338Z
2020	5.3L GDI	Sierra 4WD	N	✓	Partial	✓	✓	A	LGMXT05.3385	LGMXR017350D	NBLMT05.338Z
2020	5.3L GDI	Silverado 2WD	N	✓	Partial	✓	✓	A	LGMXT05.3385	LGMXR017350D	NBLMT05.338Z
2020	5.3L GDI	Silverado 4WD	N	✓	Partial	✓	✓	A	LGMXT05.3385	LGMXR017350D	NBLMT05.338Z
2020	5.3L GDI	Sierra 2WD	N	✓	Partial	✓	✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Sierra 2WD Cab Chassis	N	✓	Partial	✓	✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Sierra 4WD	N	✓	Partial	✓	✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Siera 4WD AT4	N	✓	Partial	✓	✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Sierra 4WD Cab Chassis	N	✓	Partial	✓	✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Silverado 2WD	N	✓	Partial	✓	✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Silverado 2WD Cab Chassis	N	✓	Partial	✓	✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Silverado 4WD	N	✓	Partial	✓	✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Silverado 4WD Cab Chassis	N	✓	Partial	✓	✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Silverado 4WD Trailboss	N	✓	Partial	✓	✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Silverado/Sierra,Tahoe/Yukon	N	✓	Partial	✓	✓	A	LGMXT05.3382	LGMXR016150A	LBLMT05.3382
2020	5.3L GDI	Silverado/Sierra,Tahoe/Yukon	N	✓	Partial	✓	✓	A	LGMXT05.3384	LGMXR016150A	LBLMT05.3382
2020	5.3L GDI	Suburban/Yukon XL	N	✓	Partial	✓	✓	A	LGMXT05.3382	LGMXR021250B	LBLMT05.3382
2020	5.3L GDI	Suburban/Yukon XL	N	✓	Partial	✓	✓	A	LGMXT05.3384	LGMXR021250B	LBLMT05.3382
2023	6.2L	Escalade 2WD	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Escalade 4WD	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Sierra 4WD	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Sierra 4WD Mud Terrain Tires	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Sierra 4WD ATX4	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Silverado 4WD	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Silverado 4WD Mud Terrain Tires	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Silverado 4WD ZR2	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Tahoe 2WD	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Tahoe 4WD	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Yukon 2WD	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Yukon 4WD	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Escalade 2WD	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Escalade 4WD	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Suburban 2WD	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Suburban 4WD	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Yukon XL 2WD	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Yukon XL 4WD	N	✓	Partial	✓	✓	A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2022	6.2L	Escalade 2WD	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Escalade 4WD	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Sierra 4WD	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Sierra 4WD Mud Terrain Tires	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Silverado 4WD	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Silverado 4WD Mud Terrain Tires	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Silverado 4WD ZR2	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Tahoe 2WD	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Tahoe 4WD	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Yukon 2WD	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Yukon 4WD	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Escalade 2WD	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR022450C	PBLMT05.338N
2022	6.2L	Escalade 4WD	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR022450C	PBLMT05.338N
2022	6.2L	Suburban 2WD	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR022450C	PBLMT05.338N
2022	6.2L	Suburban 4WD	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR022450C	PBLMT05.338N
2022	6.2L	Yukon XL 2WD	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR022450C	PBLMT05.338N
2022	6.2L	Yukon XL 4WD	N	✓	Partial	✓	✓	A	NGMXT06.2375	NGMXR022450C	PBLMT05.338N

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General Motors Powertrains (continued):

MY	Engine	Vehicle Description	VC	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
GENERAL MOTORS TRUCKS C/K-SERIES (PICKUP CHASSIS)											
2023	6.6L DI	C/K3500 Silverado/Sierra 2WD/4WD Cab Chassis	N	✓	✓	✓	✓	A	PGMXD06.6398		PENDING
2023	6.6L DI	C/K2500/3500 HD Silverado/Sierra 2WD/4WD Cab Chassis	N	✓	✓	✓	✓	A	PGMXD06.6398		PENDING
2023	6.6L DI	C/K2500/3500 HD Silverado/Sierra 2WD/4WD	N	✓	✓	✓	✓	A	PGMXD06.6398		PENDING
2022	6.6L DI	C/K3500 Silverado/Sierra 2WD/4WD Cab Chassis	N	✓	✓	✓	✓	A	NGMXD06.6398	NGMXF016360D	NBLMD06.6398
2022	6.6L DI	C/K2500/3500 HD Silverado/Sierra 2WD/4WD Cab Chassis	N	✓	✓	✓	✓	A	NGMXD06.6398	NGMXF02176BB	NBLMD06.6398
2022	6.6L DI	C/K2500/3500 HD Silverado/Sierra 2WD/4WD	N	✓	✓	✓	✓	A	NGMXD06.6398	NGMXR021260A	NBLMD06.6398
2021	6.6L DI	C/K3500 Silverado/Sierra 2WD/4WD Cab Chassis	N	✓	✓	✓	✓	A	MGMXD06.6398	MGMXF016360D	MBLMD06.6398
2021	6.6L DI	C/K2500/3500 HD Silverado/Sierra 2WD/4WD Cab Chassis	N	✓	✓	✓	✓	A	MGMXD06.6398	MGMXF02176BB	MBLMD06.6398
2021	6.6L DI	C/K2500/3500 HD Silverado/Sierra 2WD/4WD	N	✓	✓	✓	✓	A	MGMXD06.6398	MGMXR021260A	MBLMD06.6398
2020	6.6L DI	C/K3500 Silverado/Sierra 2WD/4WD Cab Chassis	N	✓	✓	✓	✓	A	LGMXD06.6398	LGMXF016360D	LBLMD06.6398
2020	6.6L DI	C/K3500 Silverado/Sierra 2WD/4WD Cab Chassis	N	✓	✓	✓	✓	A	LGMXD06.6398	LGMXF02176BB	LBLMD06.6398
2020	6.6L DI	C/K3500 Silverado/Sierra 2WD/4WD Cab Chassis	N	✓	✓	✓	✓	A	LGMXD06.6398	LGMXF0223850	LBLMD06.6398
2020	6.6L DI	C/K2500/3500 Silverado/Sierra 2WD/4WD	N	✓	✓	✓	✓	A	LGMXD06.6398	LGMXR021260A	LBLMD06.6398

MY	Engine	Vehicle Description	VC	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
GENERAL MOTORS TRUCKS G-SERIES (VAN CHASSIS)											
2023	6.6 DI	G3500 Express/Savanna 2WD Cutaway Chassis	N								PENDING
2023	6.6 DI	G3500 Express/Savanna 2WD Cutaway Chassis	N								PENDING
2022	6.6 DI	G3500 Express/Savanna 2WD Cutaway Chassis	N	✓	✓	✓	✓	A	NGMXD06.6398	NGMXF02176BB	NBLMD06.6398
2022	6.6 DI	G3500 Express/Savanna 2WD Cutaway Chassis	N	✓	✓	✓	✓	A	NGMXD06.6398	NGMXF0223850	NBLMD06.6398
2021	6.6 DI	G3500 Express/Savanna 2WD Cutaway Chassis	N	✓	✓	✓	✓	A	NGMXD06.6398	MGMXF02176BB	MBLMD06.6398
2021	6.6 DI	G3500 Express/Savanna 2WD Cutaway Chassis	N	✓	✓	✓	✓	A	NGMXD06.6398	MGMXF0223850	MBLMD06.6398
2023	6.6 DI	G4500 Express/Savanna 2WD Cutaway Chassis	N	✓	✓	✓	✓	A	PGMXD06.6001	ALL	PBLMD06.6001
2022	6.6 DI	G4500 Express/Savanna 2WD Cutaway Chassis	N	✓	✓	✓	✓	A	NGMXD06.6001	ALL	NBLMD06.6001
2021	6.6 DI	G4500 Express/Savanna 2WD Cutaway Chassis	N	✓	✓	✓	✓	A	MGMXD06.6001	ALL	NBLMD06.6001

MY	Engine	Vehicle Description	VC	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
GENERAL MOTORS TRUCKS LCF-SERIES (ISUZU CHASSIS)											
2023	6.6 DI	Low Cab Forward 3500/4500	N	✓	✓	✓	✓	A	PGMXD06.6001	ALL	PBLMD06.6001
2022	6.6 DI	Low Cab Forward 3500/4500	N	✓	✓	✓	✓	A	NGMXD06.6001	ALL	NBLMD06.6001
2021	6.6 DI	Low Cab Forward 3500/4500	N	✓	✓	✓	✓	A	MGMXD06.6001	ALL	NBLMD06.6001

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Isuzu:

MY	Engine	Vehicle Description	VC	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
ISUZU											
2023	6.6L	Isuzu NRR (Class 5 - 25,500 GCWR)	N	✓	✓	✓	✓	A	PGMXD06.6001	ALL	PBLMD06.6001
2023	6.6L	Isuzu NQR (Class 5 - 23,950 GCWR)	N	✓	✓	✓	✓	A	PGMXD06.6001	ALL	PBLMD06.6001
2023	6.6L	Isuzu NPR HD (Class 4 - 20,500 GCWR)	N	✓	✓	✓	✓	A	PGMXD06.6001	ALL	PBLMD06.6001
2023	6.6L	Isuzu NPR (Class 3 - 18,000 GCWR)	N	✓	✓	✓	✓	A	PGMXD06.6001	ALL	PBLMD06.6001
2022	6.6L	Isuzu NRR (Class 5 - 25,500 GCWR)	N	✓	✓	✓	✓	A	NGMXD06.6001	ALL	NBLMD06.6001
2022	6.6L	Isuzu NQR (Class 5 - 23,950 GCWR)	N	✓	✓	✓	✓	A	NGMXD06.6001	ALL	NBLMD06.6001
2022	6.6L	Isuzu NPR HD (Class 4 - 20,500 GCWR)	N	✓	✓	✓	✓	A	NGMXD06.6001	ALL	NBLMD06.6001
2022	6.6L	Isuzu NPR (Class 3 - 18,000 GCWR)	N	✓	✓	✓	✓	A	NGMXD06.6001	ALL	NBLMD06.6001
2021	6.6L	Isuzu NRR (Class 5 - 25,500 GCWR)	N	✓	✓	✓	✓	A	MGMXD06.6001	ALL	NBLMD06.6001
2021	6.6L	Isuzu NQR (Class 5 - 23,950 GCWR)	N	✓	✓	✓	✓	A	MGMXD06.6001	ALL	NBLMD06.6001
2021	6.6L	Isuzu NPR HD (Class 4 - 20,500 GCWR)	N	✓	✓	✓	✓	A	MGMXD06.6001	ALL	NBLMD06.6001
2021	6.6L	Isuzu NPR (Class 3 - 18,000 GCWR)	N	✓	✓	✓	✓	A	MGMXD06.6001	ALL	NBLMD06.6001

Stellantis (Dodge & Chrysler Cars):

MY	Engine	Vehicle Description	VC	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
STELLANTIS CARS (DODGE & CHRYSLER)											
2020	3.6L	Charger, Challenger, Chrysler 300	N	✓	✓		✓	A	LCRXV03.65P3	LCR XR0168PP0	LB L MV03.65P3
2021	5.7L	Charger, Chrysler 300, Challenger	N	✓	✓		✓		MCRXV05.75P3	MCR XR0168PP0	M B L M V05.75P3
2021	5.7L	Charger, Challenger	N	✓	✓		✓		MCRXV05.75P3	MCR XR0141PK0	M B L M V05.75P3

Stellantis (RAM Trucks):

MY	Engine	Vehicle Description	VC	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
STELLANTIS TRUCKS (RAM)											
2025	3.0L	RAM 1500 (Hurricane engine)	N								INTERESTED
2023	3.6L	Durango, Durango Pursuit RWD/AWD	N	✓	✓	✓	✓	A	PCRXT03.65P0	PCR XR0204RP0	R B L M T03.65P0
2023	3.6L	Gladiator 4x4	N						PCRXT03.65P0	PCR XR0166PP0	R B L M T03.65P0
2023	3.6L	Gladiator 4x4	N						PCRXT03.65P0	PCR XR0166RP1	R B L M T03.65P0
2023	3.6L	Wrangler 2dr 4x4	N						PCRXT03.65P0	PCR XR0136PP0	R B L M T03.65P0
2023	3.6L	Wrangler 4dr 4x4	N						PCRXT03.65P0	PCR XR0172PP0	R B L M T03.65P0
2019	5.7L	Durango, Durango Pursuit RWD,AWD	N	✓	✓	✓	✓	A	KCRXT05.75P2	KCR XR0180RK0	K B L M T05.55P2
2023	5.7L	1500 Pickup DT(new style) RWD,AWD	N								ON HOLD
2024	6.4L	2500,3500,4500,5500 Pickup (new style) RWD,AWD	N								COMMITTED
2021	6.4L	2500,3500,4500,5500 Pickup (new style) RWD,AWD	N								COMMITTED

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Toyota:

MY	Engine	Vehicle Description	VC	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
TOYOTA											
2023	2.5L	RAV4	N								IN TESTING
2022	2.5L	RAV4 , RAV4 AWD, RAV4 LE, RAV4 TRD OFFROAD	N	✓	Partial		✓	A	NTYXJ02.5N4L	NTYXR0130P72	RBLMJ02.5N4N
2021	2.5L	RAV4 , RAV4 AWD, RAV4 LE, RAV4 TRD OFFROAD	N	✓	Partial		✓	A	MTYXJ02.5N4L	MTYXR0130P72	RBLMJ02.5N4L
2020	2.5L	RAV4 , RAV4 AWD, RAV4 LE, RAV4 TRD OFFROAD	N	✓	Partial		✓	A	LTYXJ02.5N4L	LTYXR0130P72	RBLMJ02.5N4Z
2020	2.5L	RAV4 Hybrid	N	✓	Partial		✓	A	LTYXT02.5P3N	LTYXR0165J82	PBLMT02.5P3N
2019	2.5L	RAV4 Hybrid	N	✓	Partial		✓	A	KTYXT02.5P3N	KTYXR0165J82	NBLMT02.5P3N
2022	2.5L	Avalon AWD	N						NTYXJ02.5N4L	NTYXR0130P72	RBLMJ02.5N4N
2021	2.5L	Avalon AWD	N						MTYXJ02.5N4L	MTYXR0130P72	RBLMJ02.5N4L
2024	2.5L	Camry	N								IN TESTING
2023	2.5L	Camry	N								IN TESTING
2022	2.5L	Camry AWD LE/SE, Camry AWD XLE/XSE	N	✓	Partial		✓	A	NTYXJ02.5N4L	NTYXR0130P72	RBLMJ02.5N4N
2021	2.5L	Camry AWD LE/SE, Camry AWD XLE/XSE	N	✓	Partial		✓	A	MTYXJ02.5N4L	MTYXR0130P72	RBLMJ02.5N4L
2016	2.5L	Camry	N	✓	Partial		✓	A	GTYXV02.5BED	GTYXR0115A12	NBLMV02.5BED
2015	2.5L	Camry	N					A			PENDING
2022	2.5L	ES 250 AWD	N						NTYXJ02.5N4L	NTYXR0130P72	RBLMJ02.5N4N
2021	2.5L	ES 250 AWD	N						MTYXJ02.5N4L	MTYXR0130P72	RBLMJ02.5N4L
2020	3.5L	Sienna, Sienna AWD	N	✓	Partial		✓	A	LTYXT03.5M5M	LTYXR0165P82	NBLMT03.5M5M
2019	3.5L	Sienna, Sienna AWD	N	✓	Partial		✓	A	KTYXT03.5M5M	KTYXR0165P82	RBLMT03.5M5K
2018	3.5L	Sienna, Sienna AWD	N	✓	Partial		✓	A	JTYXT03.5M5M	JTYXR0165P82	RBLMT03.5M5J
2017	3.5L	Sienna, Sienna AWD	N	✓	Partial		✓	A	HTYXT03.5M5M	HTYXR0165P82	RBLMT03.5M5H
2016	3.5L	Sienna	N	✓	✓	✓	✓	A	GTYXT03.5BER	GTYXR0165A22	GBLMT03.5BER
2016	3.5L	Sienna	N	✓	✓	✓	✓	A	GTYXT03.5BER	GTYXR0165P22	GBLMT03.5BER
2015	3.5L	Sienna	N	✓	✓	✓	✓	A	FTYXT03.5BER	FTYXR0165A22	GBLMT03.5BEF
2015	3.5L	Sienna	N	✓	✓	✓	✓	A	FTYXT03.5BER	FTYXR0165P22	GBLMT03.5BEF
2014	3.5L	Sienna	N	✓	✓	✓	✓	A	ETYXT03.5BER	ETYXR0165A22	GBLMT03.5BEE
2014	3.5L	Sienna	N	✓	✓	✓	✓	A	ETYXT03.5BER	ETYXR0165P22	GBLMT03.5BEE