

Parts Change Log														
NHTSA Inquiry EA23-002														
Intake Valve Design Changes								Service Parts - Disposition						
Version	Model Year	Engineering Part Number	Date Part Incorporated into Vehicle Production	Date Part Removed from Vehicle Production	Description of the Change	Reason for the Change	Is the Part Interchangeable with Other Models and/or Model Years? If So, Provide Details	Service Part Number	Date Part Released for Service	TSB Number Detailing Change	Date Part Removed from Service	Are Parts At This Level Interchangeable with the Previous Level(s)? Y/N	Disposition of Parts Upon Removal (Scrap / Consume / Rework)	Actions Planned in the Next 120 Days
1	2021	JT4E-6507-AB	18-May-2018 Start of Production (SOP) at Vehicle Operations (VO) across all Nano applications	10/15/2021	Change Intake Valve material to SAE Standard J775 UNS K14072 material, referred to as 'SIL LITE'	Cost reduction action implemented across all Nano Engines in 2018 MY	Yes 18MY-23MY F150 18MY-23MY Edge/MKX 18MY-20MY Continental 20MY-23MY Explorer/Explorer ST/Aviator 21MY-23MY Bronco 22MY- 23MY Bronco & Ranger Raptor	FT4Z-6507-A	11/2/2017	N/A	11/29/2021	Yes	Scrap	N/A
2	2021	JT4E-6507-BA	15-Oct-2021 SOP at VO	7/10/2023	Change Intake Valve material to SAE Standard J775 UNS S65007 material, referred to as 'SIL 1'	Improved material robustness to valve manufacturing variation (groove grinding process)	Yes 18MY-23MY F150 18MY-23MY Edge/MKX 18MY-20MY Continental 20MY-23MY Explorer/Explorer ST/Aviator 21MY-23MY Bronco 22MY- 23MY Bronco & Ranger Raptor	FT4Z-6507-A	11/29/2021	N/A	10/2/2023	Yes	Scrap	N/A
3	2022	JT4E-6507-BB	10-Jul-2023 SOP at VO	10/2/2023	Updated drawing release to add alternate rust preventative specification; no functional changes. TOX # 166457	Allow flexibility in manufacturing process to use alternate rust preventative.	Yes 18MY-23MY F150 18MY-23MY Edge/MKX 18MY-20MY Continental 20MY-23MY Explorer/Explorer ST/Aviator 21MY-23MY Bronco 22MY- 23MY Bronco & Ranger Raptor	JT4Z-6507-B	10/2/2023	N/A	12/21/2023	Yes	Scrap	N/A
4	2023	JT4E-6507-CA	02-Oct-2023 SOP at VO	Currently in Production	Released new part number to support resourcing action. No design changes from BB level.	Release new part number to support resourcing action. No functional impact.	Yes 18MY-23MY F150 18MY-23MY Edge/MKX 18MY-20MY Continental 20MY-23MY Explorer/Explorer ST/Aviator 21MY-23MY Bronco 22MY- 23MY Bronco & Ranger Raptor	JT4Z-6507-C	12/21/2023	N/A	Currently in Service	Yes	Scrap	N/A

Valve Key Changes								Service Parts - Disposition						
Version	Model Year	Engineering Part Number	Date Part Incorporated into Vehicle Production	Date Part Removed from Vehicle Production	Description of the Change	Reason for the Change	Is the Part Interchangeable with Other Models and/or Model Years? If So, Provide Details	Service Part Number	Date Part Released for Service	TSB Number Detailing Change	Date Part Removed from Service	Are Parts At This Level Interchangeable with the Previous Level(s)? Y/N	Disposition of Parts Upon Removal (Scrap / Consume / Rework)	Actions Planned in the Next 120 Days
1	2021	FT4E-6518-AA	01-Mar-2013 Released across all Nano for 2015MY	Currently in Production	Nano MP1 release across all applications	Initial Bill of Material set up for Nano Engine Program release	Yes 15MY-22MY F150 16MY-22MY Edge/MKX 17MY-20MY Continental 20MY-22MY Explorer/Aviator 21MY-22MY Bronco	FT4Z-6518-A	12/9/2013	N/A	Part in Service	N/A	Scrap	N/A

Valve Spring Design Changes								Service Parts - Disposition						
Version	Model Year	Engineering Part Number	Date Part Incorporated into Vehicle Production	Date Part Removed from Vehicle Production	Description of the Change	Reason for the Change	Is the Part Interchangeable with Other Models and/or Model Years? If So, Provide Details	Service Part Number	Date Part Released for Service	TSB Number Detailing Change	Date Part Removed from Service	Are Parts At This Level Interchangeable with the Previous Level(s)? Y/N	Disposition of Parts Upon Removal (Scrap / Consume / Rework)	Actions Planned in the Next 120 Days
1	2021	FT4E-6513-AB	21-Mar-2017 Release Date	Currently in Production	Added Paint Striping and Tray Labels	Spring complexity management	Yes 15MY-22MY F150 16MY-22MY Edge/MKX 17MY-20MY Continental 20MY-22MY Explorer/Aviator 21MY-22MY Bronco	FT4Z-6513-A	10/20/2014	N/A	Part in Service	N/A	Scrap	N/A

Valve Spring Retainer Design Changes								Service Parts - Disposition						
Version	Model Year	Engineering Part Number	Date Part Incorporated into Vehicle Production	Date Part Removed from Vehicle Production	Description of the Change	Reason for the Change	Is the Part Interchangeable with Other Models and/or Model Years? If So, Provide Details	Service Part Number	Date Part Released for Service	TSB Number Detailing Change	Date Part Removed from Service	Are Parts At This Level Interchangeable with the Previous Level(s)? Y/N	Disposition of Parts Upon Removal (Scrap / Consume / Rework)	Actions Planned in the Next 120 Days
1	2021	FT4E-6514-AA	01-Mar-2013 Released across all Nano for 2015MY	Currently in Production	Nano MP1 release across all applications	Initial Bill of Material set up for Nano Engine Program Release	Yes 15MY-22MY F150 16MY-22MY Edge/MKX 17MY-20MY Continental 20MY-22MY Explorer/Aviator 21MY-22MY Bronco	FT4Z-6514-A	10/20/2014	N/A	Part in Service	N/A	Scrap	N/A