

**Parts Change Log**

**NHTSA Inquiry PE22-007**

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-22MY F150 18MY-22MY Edge/MKX 18MY-20MY Continental 20MY-22MY Explorer/Aviator 21MY-22MY Bronco	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	Currently in Production	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 15MY-22MY F150 16MY-22MY Edge/MKX 17MY-20MY Continental 20MY-22MY Explorer/Aviator 21MY-22MY Bronco	FT4Z-6507-A	11/29/2021	N/A	Part in Service	Yes	Scrap	JT4Z-6507-B (JT4E-6507-BB) will be released in service and production; includes update to rust preventative specification; no functional changes.

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