

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code (HSC), Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515 and 39516 and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: That the following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

| | | | - | | | | TEST GRO | UP IN | FOR | MATION | | | | | | |
|--|--|------------|------|-----|--|--------------------------------|------------|--------------------|----------------------------------|----------------------------------|-----------------------|-------|--|---------------------|--|--|
| MODI | | TEST GROUP | | | | VEHICLE CLASS(ES) | | | | FUEL CATEGORY | | | | FUEL TYPE | | |
| 202 | 2020 LFMXV01.5VZ3 | | | | | PC | | | | DEDICATED SINGLE FUEL VEHICLE | | | | GASOLINE | | |
| USEFUL LIFE (miles) | | | | | | VEHICLE EMISSION CATEGOR | | | | GORY | INTERIM / INTERMEDIAT | | | RMEDIATE IN-USE STD | | |
| EXH/ORVR EVAP | | | | | FTP S | | | SF | FTP FTP | | | SFTP | | | | |
| 150000 150000 | | | |) . | | LEV3 | SULEV30 | LEV30 LEV 3 COMPOS | | | E | * | | * | | |
| SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS | | | | | | | L | | OBD STATUS | | | | ENGINE DISPLACEMENT (L) | | | |
| 1 | TWC(2), HO2S, WR-HO2S, CAC, TC, DFI | | | | | | | | FULL | | ALL MODELS | | | | | |
| * | * * | | | | | | | P | ARTIAL | | * | * 1.5 | | | | |
| * | * * | | | | | | | | RTIAL WITH * FINES | | | | | | | |
| EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION | | | | | | | | | | | | | | | | |
| EV | EVAP / ORVR FAMILY EVAPORATIVE STD CATEGOR | | | | | | | GOR | EVAP EMISSION S VEHICLE CLASS | | | | SPECIAL FEATURES | | | |
| LFMXR0130NDE L | | | | | LEV | EV 3 OPTION2 WITH FEL | | | | PC | | | 3 | * | | |
| | | | | | | E | EMISSION C | REDI | T INFO | ORMATIO | N | | | | | |
| | | | | | | EDIT FOR NON-PZEV ZERO-EVAP | | | NMOG CREDIT FOR DOR | | | R | OPTIONAL EXH. STD FOR WORK TRUCKS | | | |
| | N N | | | | | | | | | N | | | N | | | |
| | | | | | | NMOG | AND FLEE | TAVE | ERAG | EINFORM | MA | TION | | | | |
| NMOC RAF | NMOGINMHCI | | | | O/NMHC RATIO NMOG+NOX FLEET PC+LDT (0-3750 LV (g/mi) | | | 50 LVI | | | | 0 | NMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi) | | | |
| * | * | | 1.10 | | * 0.065 | | | 5 | 0.074 | | | | * | | | |

See the Attachment for Vehicle Models, Evaporative Family, Engine Displacement, Emission Control Systems, Phase-In Standards, OBD Compliance, Emission Standards and Certification Levels, and Abbreviations. (As applicable, heavy-duty vehicles (HDV) over 14,000 pounds in GVWR listed in this Executive Order are certified to the requirements in 13 CCR Section 1961.2 applicable to MDV pursuant to 13 CCR Section 1956.8(c)(3) or 13 CCR Section 1956.8(h)(5), as applicable.)



BE IT FURTHER RESOLVED:

The exhaust and evaporative emission standards and the certification emission levels for the listed vehicles are as listed on the Attachment. Compliance with the 50° Fahrenheit testing requirement may have been met based on the manufacturer's submitted compliance plan in lieu of testing. Any debit in the manufacturer's fleet average compliance requirement for NMOG+NOx or Vehicle Equivalent Credit (13 CCR Sections 1961.2(b)(1), 1961.2(b)(3), or 1961.2(c) (3), and the incorporated test procedures, as applicable), or Greenhouse Gas Emissions (13 CCR Section 1961.3, or 17 CCR Section 95663, and the incorporated test procedures, as applicable), for PC, LDT, MDPV or MDV shall be equalized as required.

BE IT FURTHER RESOLVED:

For the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.2 [on-board diagnostic, full or partial compliance], 2035 et seq. [emission control warranty], 2235 [fuel tank fill pipes and openings] (gasoline and alcohol fueled vehicles only), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California 2015 and Subsequent Model Criteria Pollutant Exhaust Emission Standards and Test Procedures and 2017 and Subsequent Model Greenhouse Gas Exhaust Emission Standards and Test Procedures for PC, LDT and MDV).

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this 2412 day of July 2019.

musfie A.L.

Allen/Lyons Chief Emissions Certification and Compliance Division

Executive Order: A-010-2191 New Passenger Cars, Light-Duty Trucks and FORD MOTOR CALIFORNIA AIR RESOURCES BOARD Medium-Duty Vehicles COMPANY Page 3 of 4 ATTACHMENT EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, 50°F, 20°F) CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: non-CH4 HC; CO: carbon monoxide; NOx: oxides of nitrogen; HCHO: formaldehyde; PM: particulate matter; RAF: reactivity adjustment factor; 2DHS/3DHS [g HC/test]: 2/3 days diurnal+hot-soak; RL [g HC/mi]: running loss; ORVR [g HC/gallon dispensed]: on-board refueling vapor recovery; g: gram; mg: milligram; mi: mile; K: 1000 miles; F: degrees Fahrenheit; FTP: federal test procedure; SFTP: supplemental FTP FUEL TYPE PM NMOG+NOx НСНО CO NOx (g/mi) (g/mi) (mg/mi) (g/mi) (g/mi) CERT STD CERT STD STD CERT STD CERT STD CERT * * * * * ÷ * * FTP@50K GASOLINE-+ 4 0.01 * * 4 0.030 0.39 1.0 0.0212 FTP@UL TIER3 E10 * * * * * * 50°F @4K * * * NMOG+NOx (g/mi) CO (g/mi) FUEL TYPE CERT STD CERT STD * 4 HWFET @ 50K 0.014 0.030 GASOLINE-TIER3 E10 HWFET @ UL 10.0 0.72 COLD CO E10 REGULAR GASOLINE (TIER3) 20°F @ 50K SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS COMPOSITE US06 SC03 CO PM NMOG+NOx CO NMOG+NOx CO PM FUEL TYPE NMOG+NOx (g/mi) (mg/mi) (g/mi) (g/mi) (g/mi) (g/mi)(mg/mi) (g/mi) 4 * * CERT * @ 4K * r * STD * 0.6 * 0.0186 CERT * * * * * GASOLINE-STD * * 10 * * 0.083 4.2 * @ UL TIER3 E10 BIN 0.040 WHOLE VEHICLE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS WHOLE VEHICLE EVAPORATIVE TESTING RL (g/mi) @ UL **EVAPORATIVE** 2DHS (g/test) @ UL FUEL TYPE 3DHS (g/test) @ UL FAMILY CERT STD CERT STD FEL CERT STD FEL GASOLINE-0.05 LFMXR0130NDE 0.2071 0.300 0.300 0.1441 0.300 0.300 0.00 TIER3 E10 ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS FUEL ONLY EVAP & CANISTER BLEED **3DHS RIG TEST** 2DHS RIG TEST BLEED CANISTER **EVAPORATIVE** ORVR (g/gallon) @ UL TEST (g/test) @ 4K (g/test) @ UL (g/test) @ UL FAMILY FUEL TYPE CERT STD FUEL TYPE CERT STD CERT STD CERT STD GASOLINE-GASOLINE-* * * 0.0070 LFMXR0130NDE 0.011 0.20 * 0.020 TIER3 E10 TIER3 E10

| CALIFORNI AIR RESOURCES BOA | A | FORD MOTOR COMPANY | Executive Order: A-010-2191 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 4 of 4 | | | | | | | | | |
|--|---------|-----------------------|---|------|--|--|--|--|--|--|--|--|
| EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (INCHES) | | | | | | | | | | | | |
| EVAPORATIVE FAMILY LEAK FA | MILY | CERT | Г | STD | | | | | | | | |
| LFMXR0130NDE KFMXR0130 | NDE-001 | * | | 0.02 | | | | | | | | |
| LFMXR0130NDE KFMXR0130NDE-001 * 0.02 *: not applicable; #: pounds; UL: useful life; PC: passenger car; LDT: light-duty truck; LDT1: LDT<6000#GVWR,0-3750#LVW; LDT2: LDT<6000#GVWR,3751-5750#LVW; LDT3: LDT 6001-8500#GVWR,3751-5750#ALVW; LDT4: LDT 6001-8500#GVWR,5751- 8500#ALVW; MDV: medium-duty vehicle; MDV4: MDV 8501-10000#GVWR; MDV5: MDV 10001-14000#GVWR; MDPV: medium- duty passenger vehicle; HDV: heavy-duty vehicle; ECS: emission control system; CERT: certification; STD: standard; FEL: family emission limit; GVWR: gross vehicle weight rating; LVW: loaded vehicle weight; ALVW: adjusted LVW; LEV: low emission vehicle; ULEY: ultra LEV; SULEV: super ULEV; ZEV: zero-emission vehicle; TZEV: transitional ZEV; TWC/OC: 3-way/oxidizing catalyst; ADSTWC: adsorbing TWC; HAC: HC adsorbing catalyst; WU: warm-up catalyst; NAC: NOx adsorption catalyst; SCR-U or SCRC/SCR-N or SCRC-NH3: selective catalytic reduction-urea/ammonia; NH3OC: ammonia oxidation catalyst; CTOX/PTOX: continuous/periodic trap oxidizer; DPF: diesel particulate filter (active); GPF: PM filter for spark-ignited engine; HO2S/O2S: heated/oxygen sensor; WR-HO2S or AFS: wide range/linear/heated air-fuel ratio sensor; NOXS: NOX sensor; PMS: PM sensor; RDQS: reductant quality sensor; NH3S: ammonia sensor; EGR: exhaust gas recirculation; HP/LP EGR: High/Low Pressure EGR; EGRC: EGR cooler; AIR/AIRE: secondary air injection (belt driven)/(electric driven); PAIR: pulsed AIR; SFI/MFI: sequential/multiport fuel injection; DFI/IFI: direct/indirect fuel injection; TC/SC: turbo/super charger; CAC: charge air cooler; FFH: fuel fired heater; F/P/\$: full/partial/partial with fines on-board diagnostic; DOR: direct ozone reducing; HCT: hydrocarbon trap; BCAN: bleed carbon canister; prefix 2: parallel; (2) suffix: series; a hyphen (-) between after treatment ECS indicates multiple functionalities of the after treatment device (ex. DPF-SCRC: SRC coated DPF); CNG/LNG: comp | | | | | | | | | | | | |

2020 MODEL YEAR: VEHICLE MODELS INFORMATION

| MAKE | MODEL | VEH CLASS | ENGINE (L) | TRANS TYPE | EVAPORATIVE FAMILY | EXH ECS | OBD |
|------|------------|-----------|------------|------------|-----------------------|------------|-----|
| FORD | FUSION FWD | PC | 1.5 | SA6 | LFMXR0130NDE | 1 | F |