

| Revision Date | Revision Page (*: New page) | Description of Revision |
|---------------|--------------------------------------|--|
| 02/19/25 | (For EPA and CARB) SEC8-1 | Correction of reference regulation number. |
| | SEC16(5) | Correction of the name of requirement "US06 NMOG+NOx and CO Phase-in Plan". |
| 03/24/25 | (For EPA and CARB) Contents | Addition of SEC17(9) Information for § 1962.4. ZEV Requirements. |
| | SEC8-2 | Addition of Service Information. |
| | SEC16(4)-1 | Correction of Carline for Test Group "TNSXV0000C4A", "TNSXV0000D3A", "TNSXV0000D4A", "TNSXV0000E5A" and "TNSXV0000E6A". |
| | SEC16(10)-3* | Addition of maintenance mode for Type C. |
| 05/19/25 | (For EPA and CARB) SEC3 | Correction of Working Capacity and Bleed Canister for evaporative/refueling family name "TNSXR0099PJA" and "TNSXR0099PKA". |
| | SEC8-4 | Deletion of carline "FRONTIER 4WD LIFTED PRO-4X". |
| | SEC16(4)-2 | Deletion of carline "FRONTIER 4WD LIFTED PRO-4X" for Test Group "TNSXT03.8GRM". |
| 06/02/25 | (For EPA and CARB) SEC2 SEC4-1 | Addition of Durability Group "TNSXGPGNNABW". |
| | SEC3 SEC4-2 SEC8-4 | Addition of Evaporative/Refueling Family Name "TNSXR0158PEA" and "TNSXR0158PFA". |
| | SEC8-4 SEC16(4)-2 | Deletion of carline "PATHFINDER 4WD PLATINUM". |
| | SEC16(2) | Addition of Test Group "TNSXT02.0EVW". |
| | SEC16(4)-2 | Addition of test group and evaporative/refueling family: TNSXT02.0EVW, TNSXR0158PEA and TNSXR0158PFA |

Application For Certification Part1

General application for 2026 Model Year

Durability Groups: All models

Evap. Families: All models

Test Groups: All models

Issue Date: November 22, 2024

For Questions, Contact: Ryuichi Haya Telephone No. 248-488-4654

NISSAN MOTOR CO., LTD.

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SEC1

1. Correspondence and Communications

| Name (Last, First) | Company* | Title | Area of responsibility | Phone | FAX | E-Mail |
|---------------------|----------|---|-----------------------------|------------------|-----------------|--------------------------------------|
| Kouno, Toshiya | NML | Deputy General Manager, Regulation and Homologation Dept. Powertrain and EV Performance Calibration Engineering Dept. | All | +81-80-7663-0351 | +81-46-270-1529 | kouno_t@mail.nissan.co.jp |
| Hayashi, Takane | NML | Senior Manager, Regulation and Homologation Dept. | All (except for testing) | +81-90-9846-6772 | +81-46-270-1529 | ta-ka@mail.nissan.co.jp |
| Mabuchi, Kenji | NML | Assistant Manager, US Emission Certification Regulation and Homologation Dept. | All (except for testing) | +81-70-1325-2800 | +81-46-270-1529 | k-mabuchi@mail.nissan.co.jp |
| Murata, Kazuhiro | NML | Staff engineer, US Emission Certification Regulation and Homologation Dept. | All (except for testing) | +81-70-1325-3542 | +81-46-270-1529 | k-murata@mail.nissan.co.jp |
| Kawana, Hisako | NML | Staff engineer, US Emission Certification Regulation and Homologation Dept. | All (except for testing) | +81-70-1347-9497 | - | h-kawana@mail.nissan.co.jp |
| Uchida, Yujiro | NML | Staff engineer, US Emission Certification Regulation and Homologation Dept. | All (except for testing) | +81-70-3236-6390 | - | yujiro-uchida@mail.nissan.co.jp |
| Maekawa, Atsushi | NML | Assistant Manager, US OBD Certification Regulation and Homologation Dept. | OBD | +81-70-1347-9509 | +81-46-270-1529 | atsushi-maekawa@mail.nissan.co.jp |
| Terauchi, Kazumichi | NML | Senior Manager, Powertrain and EV Performance Calibration Engineering Dept. | Testing | +81-80-3728-7118 | +81-46-282-8903 | kazumichi-terauchi@mail.nissan.co.jp |
| Haya, Ryuichi | NTCNA | Manager, Emission Regulation & Homologation Engineering | All | 248-488-4654 | - | Ryuichi.Haya@nissan-usa.com |
| Khan, Farrukh | NTCNA | Senior Project Engineer, Emission Regulation & Homologation Engineering | All | 248-488-4649 | - | KhanF@nissan-usa.com |
| Ciricola, Tony | NTCNA | Senior Project Engineer, Emission Regulation & Homologation Engineering | All | - | - | CiricoT@nrd.nissan-usa.com |
| Allen, Mathew | NTCNA | Senior Manager, OBD Certification and Quality | OBD | 248-488-4455 | - | Mathew.Allen@nissan-usa.com |
| Verprauskus, Brian | NNA | Director, Regulatory Compliance | CAFE, GHG, ZEV | 615-495-9676 | - | Brian.Verprauskus@Nissan-Usa.com |
| Beltran, Davin | NNA | Senior Manager, Regulatory Compliance | CAFE, GHG, ZEV | 310-717-9963 | - | davin.beltran@Nissan-Usa.com |
| Kevin Solaka | NNA | Senior Planner Regulatory Compliance, Corporate Planning | ZEV | - | - | Kevin.Solaka@Nissan-Usa.com |
| Francis, Hugh | NNA | Senior Planner Regulatory Compliance Regulatory Compliance | CAFE, GHG, ZEV | 615-725-5965 | - | Hugh.Francis@Nissan-Usa.com |
| Latta, Derek | NNA | Senior Manager Quality, Product Safety & Environmental | Warranty | 615-725-0764 | - | Derek.Latta@Nissan-Usa.com |

* Note: NML = Nissan Motor Co., Ltd.
 NTCNA = Nissan Technical Center North America
 For question call, please contact Mr. Haya or Mr. Khan
 NNA = Nissan North America, Inc.

Address; 560-2, Okatsukoku, Atsugi-City, Kanagawa, 243-0192, Japan
 Address; FH: 39001 Sunrise Drive, Farmington Hills, MI 48331, USA

Address; One Nissan Way, Franklin, TN 37067, USA

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2. Durability Group Description

| Durability Group Name | Combustion Cycle | Engine Type | Fuel Used | Basic Fuel Metering System | Catalyst | | |
|-----------------------|----------------------|----------------------|-----------|----------------------------|--------------|-----------------------------------|--------------------------------------|
| | | | | | Construction | Precious Metals | Range of Catalyst Grouping Statistic |
| TNSXGPGNAAA | 4 stroke, Otto cycle | Piston, Water cooled | Gasoline | DFI | Monolith | Refer to the Confidential Section | |
| TNSXGPGNAAE | 4 stroke, Otto cycle | Piston, Water cooled | Gasoline | DFI | Monolith | Refer to the Confidential Section | |
| TNSXGPGNNAAL | 4 stroke, Otto cycle | Piston, Water cooled | Gasoline | DFI | Monolith | Refer to the Confidential Section | |
| TNSXGPGNNAAS | 4 stroke, Otto cycle | Piston, Water cooled | Gasoline | SFI&DFI | Monolith | Refer to the Confidential Section | |
| TNSXGPGNNAAW | 4 stroke, Otto cycle | Piston, Water cooled | Gasoline | DFI | Monolith | Refer to the Confidential Section | |
| TNSXGPGNNAAX | 4 stroke, Otto cycle | Piston, Water cooled | Gasoline | DFI | Monolith | Refer to the Confidential Section | |
| TNSXGPGNNAAY | 4 stroke, Otto cycle | Piston, Water cooled | Gasoline | DFI | Monolith | Refer to the Confidential Section | |
| [1] TNSXGPGNNABW | 4 stroke, Otto cycle | Piston, Water cooled | Gasoline | SFI&DFI | Monolith | Refer to the Confidential Section | |

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SEC3

3. Evaporative/Refueling Family

| Evaporative/ Refueling Family Name | Vapor Storage Device | Basic Canister Design | | | | | | System Conf. | Canister geometry | Canister Construction | Canister Material | Fuel System | Type of Refueling System | Fillpipe Seal Mechanism | Vapor control system | Purge control system | Vapor hose material | Fuel tank material |
|---------------------------------------|-------------------------|-------------------------------------|----------------------------|----------------|----------------------------|----------------|----------|-----------------|----------------------|--------------------------|----------------------|----------------|--------------------------------|-------------------------------|----------------------------|-------------------------|------------------------|-----------------------|
| | | Total Working Capacity (g) | Primary Canister | | Bleed Canister | | | | | | | | | | | | | |
| | | | Working Capacity (g) | Volume (cc) | Working Capacity (g) | Volume (cc) | | | | | | | | | | | | |
| [1] TNSXR0099PJA | Canister | 98.6 | 96.0 | 1600 | 2.6 | 80 | 1 | Box | Closed bottom | Plastic | DFI | Integrated | Liquid | N/A | Purge-C valve | Rubber & Plastic | Plastic | |
| [1] TNSXR0099PKA | Canister | 98.6 | 96.0 | 1600 | 2.6 | 80 | 1 | Box | Closed bottom | Plastic | DFI | Integrated | Liquid | N/A | Purge-C valve | Rubber & Plastic | Plastic | |
| TNSXR0114PCA | Canister | 114.2 | 111.0 | 1850 | 3.2 | 100 | 1 | Box | Closed bottom | Plastic | DFI | Integrated | Liquid | N/A | Purge-C valve | Rubber & Plastic | Plastic | |
| TNSXR0128PDA | Canister | 127.9 | 126.9 | 2096 | 1.0 | 34 | 1 | Box | Closed bottom | Plastic | DFI | Integrated | Liquid | N/A | Purge-C valve | Rubber & Plastic | Plastic | |
| TNSXR0128PEA | Canister | 127.9 | 126.9 | 2096 | 1.0 | 34 | 1 | Box | Closed bottom | Plastic | DFI | Integrated | Liquid | N/A | Purge-C valve | Rubber & Plastic | Plastic | |
| TNSXR0155PMB | Canister | 154.7 | 151.7 | 3200 | 3.0 | 103 | 2/Series | Box | Closed bottom | Plastic | DFI | Integrated | Liquid | N/A | Purge-C valve | Rubber & Plastic | Plastic | |
| [2] TNSXR0158PEA | Canister | 157.5 | 155.5 | 2690 | 2.0 | 68 | 1 | Box | Closed bottom | Plastic | SFI&DFI | Integrated | Liquid | N/A | Purge-C valve | Rubber & Plastic | Plastic | |
| [2] TNSXR0158PFA | Canister | 157.5 | 155.5 | 2690 | 2.0 | 68 | 1 | Box | Closed bottom | Plastic | SFI&DFI | Integrated | Liquid | N/A | Purge-C valve | Rubber & Plastic | Plastic | |
| TNSXR0158PLA | Canister | 157.5 | 155.5 | 2690 | 2.0 | 68 | 1 | Box | Closed bottom | Plastic | SFI&DFI | Integrated | Liquid | N/A | Purge-C valve | Rubber & Plastic | Plastic | |
| TNSXR0158PMA | Canister | 157.5 | 155.5 | 2690 | 2.0 | 68 | 1 | Box | Closed bottom | Plastic | SFI&DFI | Integrated | Liquid | N/A | Purge-C valve | Rubber & Plastic | Plastic | |
| TNSXR0159MCC | Canister | 159.0 | 156.0 | 2310 | 3.0 | 103 | 1 | Box | Closed bottom | Plastic | DFI | Integrated | Liquid | N/A | Purge-C valve | Rubber & Plastic | Steel | |
| TNSXR0176PFA | Canister | 175.7 | 174.7 | 3010 | 1.0 | 34 | 1 | Box | Closed bottom | Plastic | DFI | Integrated | Liquid | N/A | Purge-C valve | Rubber & Plastic | Plastic | |

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4. Durability Procedure Description

For Exhaust Deterioration

| Durability Group | Durability Procedure | Modification | Amount of Aging | DF Type | DF's |
|------------------|---|--------------|-----------------------|----------|---------------|
| TNSXGPGNNAAA | Bench aging (NABP, approved by EPA on 12/19/96) | None | Refer to SEC16(3)-(b) | Additive | Refer to SEC7 |
| TNSXGPGNNAAE | Bench aging (NABP, approved by EPA on 12/19/96) | None | Refer to SEC16(3)-(b) | Additive | Refer to SEC7 |
| TNSXGPGNNAAL | Bench aging (NABP, approved by EPA on 12/19/96) | None | Refer to SEC16(3)-(b) | Additive | Refer to SEC7 |
| TNSXGPGNNAAS | Bench aging (NABP, approved by EPA on 12/19/96) | None | Refer to SEC16(3)-(b) | Additive | Refer to SEC7 |
| TNSXGPGNNAAW | Bench aging (NABP, approved by EPA on 12/19/96) | None | Refer to SEC16(3)-(b) | Additive | Refer to SEC7 |
| TNSXGPGNNAAX | Bench aging (NABP, approved by EPA on 12/19/96) | None | Refer to SEC16(3)-(b) | Additive | Refer to SEC7 |
| TNSXGPGNNAAY | Bench aging (NABP, approved by EPA on 12/19/96) | None | Refer to SEC16(3)-(b) | Additive | Refer to SEC7 |
| [1] TNSXGPGNNABW | Bench aging (NABP, approved by EPA on 12/19/96) | None | Refer to SEC16(3)-(b) | Additive | Refer to SEC7 |

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4. Durability Procedure Description

For Evap/Refueling Deterioration

| Evap. Family | Durability Procedure | Modification | Amount of Aging | DF Type | DF's |
|------------------|-----------------------|--------------|-----------------------|----------|---------------|
| TNSXR0099PJA | Bench aging procedure | None | Refer to SEC16(3)-(c) | Additive | Refer to SEC7 |
| TNSXR0099PKA | Bench aging procedure | None | Refer to SEC16(3)-(c) | Additive | Refer to SEC7 |
| TNSXR0114PCA | Bench aging procedure | None | Refer to SEC16(3)-(c) | Additive | Refer to SEC7 |
| TNSXR0128PDA | Bench aging procedure | None | Refer to SEC16(3)-(c) | Additive | Refer to SEC7 |
| TNSXR0128PEA | Bench aging procedure | None | Refer to SEC16(3)-(c) | Additive | Refer to SEC7 |
| TNSXR0155PMB | Bench aging procedure | None | Refer to SEC16(3)-(c) | Additive | Refer to SEC7 |
| [1] TNSXR0158PEA | Bench aging procedure | None | Refer to SEC16(3)-(c) | Additive | Refer to SEC7 |
| [1] TNSXR0158PFA | Bench aging procedure | None | Refer to SEC16(3)-(c) | Additive | Refer to SEC7 |
| TNSXR0158PLA | Bench aging procedure | None | Refer to SEC16(3)-(c) | Additive | Refer to SEC7 |
| TNSXR0158PMA | Bench aging procedure | None | Refer to SEC16(3)-(c) | Additive | Refer to SEC7 |
| TNSXR0159MCC | Bench aging procedure | None | Refer to SEC16(3)-(c) | Additive | Refer to SEC7 |
| TNSXR0176PFA | Bench aging procedure | None | Refer to SEC16(3)-(c) | Additive | Refer to SEC7 |

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SEC8-1

8. Emission Testing Waiver Statement and Other Statement

<Federal and California>

| | |
|--|---|
| 91 RON Testing | Nissan states, pursuant to VPC-97-01, The city and highway fuel economy test result differences between comparing 91 RON operation and 96 RON operation is within 3%, and there are no emissions increases (beyond normal test variability) using 91 RON fuel when tested on the FTP and SFTP. |
| HCHO | Nissan states, pursuant to 40CFR 86.1829-15(d)(4) and G3.2.3 of "(*) California pollutant exhaust emission standards and test procedure", based on our engineering evaluation of previous emission test, that all vehicles comply with the formaldehyde emission standards. |
| Representative | Nissan states, production vehicles are in all material respects the same as the (test) vehicles for which certification was granted. |
| Unsafe conditions | The emission control systems cause no increase in toxic or noxious emissions and create no unsafe conditions from their use or malfunction. |
| Test procedures | Nissan has tested the test vehicles, or has caused the test vehicles to be tested, according to the prescribed (or approved) test procedures (40 CFR Parts 85, 86, 88, 600, 1037, 1065, and 1066 as applicable) and on the basis of such tests. Nissan has determined that the test vehicles comply with all applicable emission standards. |
| Defeat device | Vehicles have no defeat devices. |
| Alternate maps | Nissan states that the test and production vehicles do not have any alternate maps. |
| LBT requirement | Not exceeding by more than 4% of LBT (lean-best-torque) air-fuel-ratio value throughout the US06 cycle without prior EPA and ARB approval. |
| Exhaust system Leakage | Nissan states that all vehicles comply with provision of 40CFR 86.1844-01(d)(16) based on our engineering analysis. |
| VECI Label Durability | Nissan states, pursuant to 40CFR 86, 1807-01(a)(2), that all vehicles comply with the Vehicle Emission Control Information (VECI) requirement. |
| Evap. Leak | Nissan states, pursuant to 40CFR 86.1829-15(e)(4), based on our engineering evaluation, that all vehicles comply with the leak standard in 86.1813-17(a)(4). |
| High altitude exhaust emission | Nissan states, pursuant to 40CFR 86.1829-15(c), based on our engineering evaluation of high-altitude emission testing as we deem appropriate, that all vehicles comply with the emission standards at high-altitude. |
| [1] High altitude evaporative/refueling emission | Nissan states, pursuant to 40CFR 86.1829-15(c) for Federal and 40CFR 86.1829-01(b)(2) for California, based on our engineering evaluation of high-altitude evaporative/refueling emission testing as we deem appropriate, that all vehicles comply with the evaporative/refueling emission standards at high-altitude. |
| Adjustable parameter | Nissan states, pursuant to 40CFR 86.1844-01(g)(6), that all vehicles have no adjustable parameter. |

(*) CALIFORNIA 2026 AND SUBSEQUENT MODEL YEAR CRITERIA POLLUTANT EXHAUST EMISSION STANDARDS AND TEST PROCEDURES FOR PASSENGER CARS, LIGHT-DUTY TRUCKS, AND MEDIUM-DUTY VEHICLES

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8. Emission Testing Waiver Statement and Other Statement

| | |
|---------------------------------|---|
| <California> | |
| Continuity at low temperature | Nissan states, pursuant to C-5 of "(*) California pollutant exhaust emission standards and test procedure", based on our engineering evaluation of such testing as we deem appropriate, that a discontinuity in emissions of non methane organic gases, carbon monoxide, oxides of nitrogen and formaldehyde measured on the Federal Test Procedure (40CFR Part 86) does not occur in the temperature range of 20 to 86 degrees Fahrenheit. |
| ASM | Nissan states, pursuant to MAC #99-05, based on our engineering evaluation of such ASM testing as we deem appropriate, that all vehicles comply with the Acceleration Simulation Mode (ASM) Inspection and Maintenance (I/M) standards. |
| Environmental Performance Label | Nissan uses the Federal Fuel Economy and Environment Label in accordance to 40 CFR Parts 85, 86, and 600 as promulgated on July 6, 2011 in lieu of the CA Environmental Performance label requirements. |
| Fill Pipes and Openings | Nissan states that all vehicles comply with ARB's 'SPECIFICATIONS FOR FILL PIPES AND OPENINGS OF 2015 AND SUBSEQUENT MODEL MOTOR VEHICLE FUEL TANKS' |
| [1] Service Information | Nissan states, pursuant to §1969, title 13, and selects option (l)(1)(C). This complete service manuals and TSBs are available for purchase to all covered persons. |

(*) CALIFORNIA 2026 AND SUBSEQUENT MODEL YEAR CRITERIA POLLUTANT EXHAUST EMISSION STANDARDS AND TEST PROCEDURES FOR PASSENGER CARS, LIGHT-DUTY TRUCKS, AND MEDIUM-DUTY VEHICLES

8. Emission Testing Waiver Statement and Other Statement (cont'd)

<Federal>

| | |
|---|---|
| Spitback Fuel | For the vehicles which comply with refueling emission standard, Nissan states, pursuant to 40CFR 86.1829-15(e)(5), based on our engineering evaluation of the dispensing spitback testing as we deem appropriate, that all vehicles comply with the Dispensing Spitback Standard, and applies to the full useful life of the vehicle. |
| PM | Nissan states, pursuant to 40CFR 86.1829-15(d)(1), based on our engineering evaluation of previous emission test, that all vehicles comply with the particulate emissions standards. |
| ORVR | Nissan states, pursuant to CISD-06-06, all vehicles are carried over previously certified evaporative/ORVR family (See Sec 8-4). There is no in-use problem. |
| High altitude for Cold NMHC vehicles | Nissan states, pursuant to 40CFR 86.1810-9(f)(2), that the common calibration approaches are utilized at high altitude for all vehicles that comply with the cold temperature NMHC standards. |
| Durability performance of GHG related parts | Based upon Nissan's engineering evaluation and durability testing, systems and components that generate off-cycle credits are designed to operate properly for the full useful life of the vehicle. |

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SEC8-4

List the evaporative / refueling family names and the respective ORVR vehicle models to be certified.

| Model year | Carline | Engine Disp. | Evaporative / Refueling family name | |
|---|--|--------------|-------------------------------------|--------------------|
| | | | 2026MY, To be certified. | 2025MY, certified. |
| 2026 | SENTRA, SENTRA SL/SR* | 2.0 L | TNSXR0099PJA | SNSXR0099PCA |
| | KICKS, KICKS AWD | 2.0 L | TNSXR0099PKA | SNSXR0099PDA |
| | ALTIMA, ALTIMA SR, ALTIMA AWD, ALTIMA AWD SR | 2.5 L | TNSXR0114PCA | SNSXR0114PCB |
| | ROGUE FWD (for LDT1) | 1.5 L | TNSXR0128PDA | SNSXR0128PDA |
| | ROGUE FWD, ROGUE AWD (for LDT2) | 1.5 L | TNSXR0128PEA | SNSXR0128PEA |
| | ROGUE AWD ROCK CREEK (for LDT2) | 1.5 L | TNSXR0128PEA | SNSXR0128PEA |
| | [1] FRONTIER 2WD, FRONTIER 4WD, FRONTIER 4WD PRO-4X, FRONTIER 4WD LIFTED PRO-4X | 3.8 L | TNSXR0155PMB | SNSXR0155PFB |
| | MURANO FWD, MURANO AWD | 2.0 L | TNSXR0158PEA | SNSXR0158PEA |
| | QX60 FWD, QX60 AWD | 2.0 L | TNSXR0158PFA | SNSXR0158PFA |
| | PATHFINDER 2WD, PATHFINDER 4WD | 2.0 L | TNSXR0158PFA | SNSXR0201PFB |
| | MURANO FWD, MURANO AWD | 2.0 L | TNSXR0158PLA | SNSXR0158PEA |
| | QX60 FWD, QX60 AWD | 2.0 L | TNSXR0158PMA | SNSXR0158PFA |
| | [2] PATHFINDER 2WD, PATHFINDER 4WD, PATHFINDER 4WD PLATINUM | 2.0 L | TNSXR0158PMA | SNSXR0201PFB |
| | PATHFINDER 4WD ROCK CREEK | 2.0 L | TNSXR0158PMA | SNSXR0201PFB |
| | Z, Z NISMO | 3.0 L | TNSXR0159MCC | SNSXR0159MCC |
| | QX80 2WD, QX80 4WD | 3.5 L | TNSXR0176PFA | SNSXR0176PFA |
| ARMADA 2WD, ARMADA 4WD, ARMADA 4WD PRO-4X | 3.5 L | TNSXR0176PFA | SNSXR0176PFA | |

[2]
[2]
[2]

*: Model change vehicle
 **: New model
 ***: CAN only

9. OBD System Description

Refer to the confidential section.

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12. Description of Vehicles Covered by Certificate and Test Parameter

(1) Starting

Caution: The vehicle has to be set in maintenance mode (if so equipped) to be adoption for testing on 2WD chassis dyno.

The procedure of setting maintenance mode, please see Sec16(10).

a) Automatic transmission

To start the engine, turn on the ignition switch setting selector lever in the "P" position, and not depressing the accelerator pedal.

b) Automatic transmission with push-button ignition switch

To start the engine, press the engine start switch setting selector lever in the "P" position with depressing the brake pedal, and not depressing the accelerator pedal.

c) Electric Vehicle

To start the EV system, push the "START" switch setting selector lever in the "P" position and pressing the brake pedal.

d) Manual transmission

To start the engine, turn on the ignition switch with holding the clutch pedal down, and not depressing the accelerator pedal.

e) Manual transmission with push-button ignition switch

To start the engine, press the engine start switch with holding the clutch pedal down, and not depressing the accelerator pedal.

12. Description of Vehicles Covered by Certificate and Test Parameter

(2) Shifting

(a) Automatic transmission

Set in the "D" position with the overdrive on-off switch turned on (if so equipped).

Note: Emission tests were conducted under overdrive condition according to policy of EPA.

(b) Electric Vehicle

Set the selector lever in the "D" position, or Push the "D" button in the e-Shifter.

Note: Depend on the difference of Shift system.

12. Description of Vehicles Covered by Certificate and Test Parameter

(5) Fuel storage system leak test method

Follow the test procedure specified in 40 CFR 1066.985 but not pressurizing over 2.6 kPa in order to avoid the fuel storage systems damage.

The pressurizing point is canister drain port near the fuel tank and connector of the purge hose (or service port if applicable) in the engine compartment.

13. Projected Sales

Refer to the confidential section.