NISSAN X-TRAIL 2023 T32 Unit Characteristics Writing

Tested Model: NISSAN X-TRAIL 2023 T32

Function Description:

Execution Background

After replacement of control units, there is related DTC: P181F-01 Calibration not completed. In this case, you need to execute this function.

Attention

- If the "DTC Confirmation Step" has been performed previously, be sure to turn the ignition switch to the OFF position and wait for at least 10 seconds before performing subsequent tests.
- 2. The 12-digit code written must be on the rear axle of the car, as shown in the following figure.



Execution Conditions:

Software requirements: Nissan V44.70 and later version

Procedure:

1. On an X431-PAD 5, choose [Local Diagnosis], and then choose [Nissan] to enter the menu (as shown in Figure 1).

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| NISSAN V45.80 > Menu | | | 🛜 🕇 1.23 |) kb/s 斗1.15 kl | b∕s ⊞12.17V |
| | | | | QPlease e | enter keyword |
| Automatically Search | Manually Sel | ect | | | |
| Full system diagnosis | NISSAN GT-F | 2 | | | |
| Programming/code setting | Common Spe | ecial Functio | n | | |
| Maintenance | | | | | |

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Figure 1

 Choose [Manually Select -> Far East -> People's Republic of China -> X-TRAIL -> T32 -> 01/2023-] in sequence to enter the full vehicle system, and click [Smart Detection] to scan the full vehicle systems (as shown in Figure 2).

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| System and Fund | tion | | le 🗟 | ⊒ ∕ | 2 | i | ₽ |
| NISSAN V45.80 > Manually Se | lect > Far East > Pe | ople's Republic of Chir | na > X-TRAIL > T32 > 01/ | /2023 > | 🛜 🕇 177 b/s 🕠 | 🕹 261 b/s | 12.15V 🗄 |
| System Topology | *Support sliding | up and down Norma | al Abnormal Scanne | ed Not Scanned Not | t Equipped | IVC | |
| System List | ADAS | | ABD SONA SRRL | ADCM 3GW | SRFL | _ | |
| Multi System Data Flow | -0 | LARA | | SRR ICC2 | SRFR | | |
| Online programming/ configuration | Body | IC BCM | HVAC | | | | |
| NATS (Nissan Anti-theft System) | OBD Safe | ABS | EHS | | | | |
| CAN network diagnosis | Power | ECM | | | | | |
| | K | | cc | | | | |
| SN:989347300149 日产 VIN 5N1BT3BB9PC75 | | | Smart Detection | High-speed Scan | System Scan | Select De | etection |
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Figure 2

3. Choose [System List] and then choose [All Wheel Drive (AWD)/4 Wheel Drive (4WD) System] (as shown in Figure 3).

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| System Topology | Instrument cluster(IC) | | | 1个 | Enter |
| System List | 00,FF Undefined | | | | Q |
| Multi Outras Data Flave | All Wheel Drive(AWD)/4 Wheel Drive | 1个 | Enter | | |
| Multi System Data Flow | P181F-01 Calibration Not Completed | | | | |
| Online programming/ configuration | Chassis Control(CC) | | | Normal | Enter |
| NATS (Nissan Anti-theft System) | Engine Control Module(ECM) | | | Not Equipped | Enter |
| CAN network diagnosis | Anti-lock Brake System(ABS) | | | Not Equipped | Enter |
| | к воdy Control System(BCM) | | | Not Equipped | Enter |
| SN:989347300149 日产 VIN 5N1BT3BB9PC75 | | Report | Compare Results | Diagnostic Plan | Clear DTCs |
| 0 | U.S. | | | ٢ | 1 |

Figure 3

4. Choose [Read Fault Code]. There is DTC P181F-01 Calibration Not Completed. The unit characteristics writing function needs to be performed (as shown in Figure 4).

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| Diagnostic Trouble Code | | ↑ | 2 | Ē | ŀ |
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| P181F-01 Calibration Not Construction CRNT Freeze Frame | ompleted Code Search | | | | |
| SN:989347300149 日产 VIN 5N1BT3BB9PC75 | | | _ | | Report |
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| | Figure | 4 | | | |

5. Exit the DTC reading interface. Choose [WORK SUPPORT] (as shown in Figure 5).

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| Show Menu 😂 | |
| NISSAN V45.80 > Manually Select > Far East > People's Republic of China > X-TR | AIL > T32 > 01/2023 > All Wheel Dri 🛜 🕇 176 b/s 🛛 🖡 193 b/s 👘 🖽 12.17V |
| | Q Please enter keyword |
| Module Information | Read Fault Code |
| Clear Fault Code | Read Data Stream |
| WORK SUPPORT | |

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| | | | Figure 5 | | | |

6. Choose [Unit Characteristics Write] (as shown in Figure 6).

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| Unit Characteristic Data | | | | | | |

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Figure 6

 Confirm the prompt information and click OK to enter the next step (as shown in Figure 7).

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| Unit Characteristics Write | | | | | | | |
| Unit Characteristic Data | | | | | | | |
| | | Informati | on | | | | |
| | 1. Enter Unit Ch 2. Touch 'Start'. | aracteristic | Value Of Co | oupling. | | | |
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Figure 7

8. Click [Unit Characteristics Write] and the interface for entering the set value will appear (as shown in Figure 8).

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| Special Function | | | f | Ľ | 2 | | F |
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| Item | | | | Input value | | | |
| Unit Characteristics Write | | | | | | | |
| | | | | | | | |
| | Unit (| Characteri | stics Write | e | | | |
| | Input character Number of inp | range:A~Z ut characte | 2;a~z;0~9 ers =12 | | | | |
| | CANCEL | | 0 | к | | | |
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Figure 8

9. After entering the 12-digit unit characteristic code on the rear axle of the car, click [Start] to execute the unit characteristics writing function (as shown in Figure 9).

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| Special Function 😔 🔒 | 2 | ē | ₽ |
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| Item | Input value | | |
| Unit Characteristics Write | 203D5CA9D5F9 | | |
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10. After the unit characteristics writing function is executed, click OK to return to the special function interface (as shown in Figure 10).

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| Special Function | | | A | E | 2 | | ₽ |
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| Item | | | | Input value | | | |
| Unit Characteristics Write | | | | 203D5CA9D | 5F9 | | |
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Figure 10

11. After the unit characteristics writing function is executed, clear the DTC and read the DTC again (as shown in Figure 11).

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|--|-----------------------------|----------------|-----------------|-------------------|-------------|-------------|---------------|
| Show Menu | | | A | Ľ | 2 | | P |
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| | | | | | | QPlease e | |
| Module Information | | F | Read Fault Co | de | | | |
| Ole en Fault Oa da | | | | | | | |
| Clear Fault Code | Clear | Diagnose | Fault Code | eam | | | |
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| Actuation Test | Clear fault code completed. | | | | | | |
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Figure 11

Statement:

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