

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2005 NISSAN Navara / Frontier King Cab OEM Service and Repair Workshop Manual

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1. Get detailed information from the customer about the symptom (the condition and the environment when the incident/malfunction occurs).

2. Check operation condition of the function that is malfunctioning.

>>

[GO TO 2.](#)

2. CHECK DTC

1. Check DTC.

2. Perform the following procedure if DTC is detected.

- Record DTC and freeze frame data (Print them out using CONSULT.)
- Erase DTC.
- Study the relationship between the cause detected by DTC and the symptom described by the customer.

Are any symptoms described and any DTC detected?

Symptom is described, DTC is detected>>

[GO TO 3.](#)

Symptom is described, DTC is not detected>>

[GO TO 4.](#)

Symptom is not described, DTC is detected>>

[GO TO 5.](#)

3. CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Also study the normal operation and fail-safe related to the symptom.

Verify relation between the symptom and the condition when the symptom is detected.

>>

[GO TO 5.](#)

4. CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Verify relation between the symptom and the condition when the symptom is detected.

>>

[GO TO 6.](#)

5. PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the detected DTC, and then check that DTC is detected again. At this time, always connect CONSULT to the vehicle, and check self diagnostic results in real time.

If two or more DTCs are detected, refer to DTC INSPECTION PRIORITY CHART, and determine trouble diagnosis order.



NOTE:

- Freeze frame data is useful if the DTC is not detected.
- Perform Component Function Check if DTC CONFIRMATION PROCEDURE is not included on Service Manual. This simplified check procedure is an effective alternative though DTC cannot be detected during this check.

If the result of Component Function Check is NG, it is the same as the detection of DTC by DTC CONFIRMATION PROCEDURE.

Is DTC detected?

YES>>

[GO TO 7.](#)

NO>>

Check according to [Intermittent Incident](#).

6. DETECT MALFUNCTIONING SYSTEM BY SYMPTOM DIAGNOSIS

Detect malfunctioning system according to SYMPTOM DIAGNOSIS based on the confirmed symptom in step 4, and determine the trouble diagnosis order based on possible causes and symptom.

Is the symptom described?

YES>>

[GO TO 7.](#)

NO>>

Monitor input data from related sensors or check voltage of related module terminals using CONSULT.

7. DETECT MALFUNCTIONING PART BY DIAGNOSIS PROCEDURE

Inspect according to Diagnosis Procedure of the system.

Is malfunctioning part detected?

YES>>

[GO TO 8.](#)

NO>>

Check according to [Intermittent Incident](#).

8. REPAIR OR REPLACE THE MALFUNCTIONING PART

1. Repair or replace the malfunctioning part.
2. Reconnect parts or connectors disconnected during Diagnosis Procedure again after repair and replacement.
3. Check DTC. If DTC is detected, erase it.

>>

[GO TO 9.](#)

9. FINAL CHECK

When DTC is detected in step 2, perform DTC CONFIRMATION PROCEDURE again, and then check that the malfunction is repaired securely.

When symptom is described by the customer, refer to confirmed symptom in step 3 or 4, and check that the symptom is not detected.

Is DTC detected and does symptom remain?

YES-1>>

[DTC is detected: GO TO 7.](#)

YES-2>>

[Symptom remains: GO TO 4.](#)

NO>>

Before returning the vehicle to the customer, always erase DTC.

Sample

1. CHECK DTC OF AIR BAG DIAGNOSIS SENSOR UNIT

Check DTC in “Self Diagnosis Result” mode of “AIR BAG” using CONSULT.

Is DTC detected?

YES>>

Perform the trouble diagnosis related to the detected DTC. Refer to [DTC Index](#).

NO>>

[GO TO 2.](#)

2. CHECK DTC OF COMBINATION METER

Check DTC in “Self Diagnosis Result” mode of “COMBINATION METER” using CONSULT.

Is DTC detected?

YES>>

Perform the trouble diagnosis related to the detected DTC. Refer to [DTC Index](#).

NO>>

[GO TO 3.](#)

3. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO-1>>

Damage: Replace malfunctioning parts.

NO-2>>

Disconnection or looseness: Securely lock the connector.

4. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES>>

[GO TO 5.](#)

NO>>

Replace malfunctioning parts.

5. CHECK REAR SEAT BELT BUCKLE SWITCH

Check the applicable rear seat belt buckle switch. Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

[GO TO 6.](#)

NO>>

Replace the applicable rear seat belt buckle switch.

6. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to [Removal & Installation](#).

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

[GO TO 7.](#)

7. REPLACE COMBINATION METER

Replace combination meter. Refer to [Removal and Installation](#).

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

[GO TO 8.](#)

8. CHECK INTERMITTENT INCIDENT

Refer to [Intermittent Incident](#).

>>

INSPECTION END

1. CHECK DTC OF AIR BAG DIAGNOSIS SENSOR UNIT

Check DTC in “Self Diagnosis Result” mode of “AIR BAG” using CONSULT.

Is DTC detected?

YES>>

Perform the trouble diagnosis related to the detected DTC. Refer to [DTC Index](#).

NO>>

[GO TO 2.](#)

2. CHECK DTC OF BCM

Check DTC in “Self Diagnosis Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES>>

Perform the trouble diagnosis related to the detected DTC. Refer to [DTC Index](#).

NO>>

[GO TO 3.](#)

3. CHECK DTC OF COMBINATION METER

Check DTC in “Self Diagnosis Result” mode of “COMBINATION METER” using CONSULT.

Is DTC detected?

YES>>

Perform the trouble diagnosis related to the detected DTC. Refer to [DTC Index](#).

NO>>

[GO TO 4.](#)

4. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES>>

[GO TO 5.](#)

NO-1>>

Damage: Replace malfunctioning parts.

NO-2>>

Disconnection or looseness: Securely lock the connector.

5. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES>>

[GO TO 6.](#)

NO>>

Replace malfunctioning parts.

6. CHECK SEAT BELT BUCKLE SWITCH (DRIVER SIDE)

Check the seat belt buckle switch (driver side). Refer to [Component Function Check](#).

Is the inspection result normal?

YES>>

[GO TO 7.](#)

NO>>

Repair or replace the malfunctioning parts.

7. CHECK REAR SEAT BELT BUCKLE SWITCH

Check the rear seat belt buckle switch. Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

[GO TO 8.](#)

NO>>

Repair or replace the malfunctioning parts.

8. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to [Removal & Installation](#).

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

[GO TO 9.](#)

9. REPLACE BCM

Replace BCM. Refer to [Removal and Installation](#).

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

[GO TO 10.](#)

10. REPLACE COMBINATION METER

Replace combination meter. Refer to [Removal and Installation](#).

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

[GO TO 11.](#)

11. CHECK INTERMITTENT INCIDENT

Refer to [Intermittent Incident](#).

>>

INSPECTION END

Sample

1. CHECK DTC OF AIR BAG DIAGNOSIS SENSOR UNIT

Check DTC in “Self Diagnosis Result” mode of “AIR BAG” using CONSULT.

Is DTC detected?

YES>>

Perform the trouble diagnosis related to the detected DTC. Refer to [DTC Index](#).

NO>>

[GO TO 2.](#)

2. CHECK DTC OF BCM

Check DTC in “Self Diagnosis Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES>>

Perform the trouble diagnosis related to the detected DTC. Refer to [DTC Index](#).

NO>>

[GO TO 3.](#)

3. CHECK DTC OF COMBINATION METER”

Check DTC in “Self Diagnosis Result” mode of “COMBINATION METER” using CONSULT.

Is DTC detected?

YES>>

Perform the trouble diagnosis related to the detected DTC. Refer to [DTC Index](#).

NO>>

[GO TO 4.](#)

4. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES>>

[GO TO 5.](#)

NO-1>>

Damage: Replace malfunctioning parts.

NO-2>>

Disconnection or looseness: Securely lock the connector.

5. CHECK WIRING HARNESS
