

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.

2015 NISSAN Tiida/Versa Sedan OEM Service and Repair Workshop Manual

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1. PRECONDITIONING

If another DTC “Confirmation Procedure” was performed immediately before this task, make sure to OFF the power switch, exit the vehicle and close all doors (including the back door), and wait for at least 60 seconds until the combination meter OFF before starting the next test.

CAUTION:

While waiting, never operate the vehicle such as locking, opening, and closing doors. If operating it, results in the activation of ACC power supply according to the auto ACC function.


**NOTE:**

After the power switch OFF, there is time needed for data writing by the electric shift control module.

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2. CHECK FOR DTC DETECTION

 With CONSULT

1. Set the vehicle to READY.
2. Shift the selector lever to the N position and wait for at least 10 seconds.

CAUTION:

Perform the operation safely with the wheels blocked, the brake pedal depressed, and the vehicle stopped.

3. Press the P position switch to shift to the P position and wait for at least 10 seconds.
4. Perform self-diagnosis for “SHIFT”.
 - If more than one DTC is detected, also perform diagnosis based on the DTC Inspection Priority Chart (Refer to [DTC Inspection Priority Chart](#)).

Is “P1890–29” detect?

YES>>

Refer to [DTC Diagnosis Procedure](#).

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

1. REPLACEMENT OF THE ELECTRIC SHIFT CONTROL MODULE

Replace electric shift control module. Refer to [ELECTRIC SHIFT CONTROL MODULE : Removal & Installation](#).

>>

END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P18A9	00	Parking Actuator Function	Diagnosis condition	READY
			Signal (terminal)	—
			Threshold	The output of the parking actuator does not stop.
			Diagnosis delay time	3 seconds or more

POSSIBLE CAUSE

Parking actuator

FAIL-SAFE

- In case of malfunction in the P position: Shifting from the P position to any other position is prohibited.
- In case of malfunction in a position other than the P position: Shifting to the P position is prohibited.

1. PRECONDITIONING

If another DTC “Confirmation Procedure” was performed immediately before this task, make sure to OFF the power switch, exit the vehicle and close all doors (including the back door), and wait for at least 60 seconds until the combination meter OFF before starting the next test.

CAUTION:

While waiting, never operate the vehicle such as locking, opening, and closing doors. If operating it, results in the activation of ACC power supply according to the auto ACC function.

**NOTE:**

After the power switch OFF, there is time needed for data writing by the electric shift control module.

>>

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2. CHECK FOR DTC DETECTION

 With CONSULT

1. Set the vehicle to READY.
2. Shift the selector lever to the N position and wait for at least 10 seconds.

CAUTION:

Perform the operation safely with the wheels blocked, the brake pedal depressed, and the vehicle stopped.

3. Press the P position switch to shift to the P position and wait for at least 10 seconds.
4. Perform self-diagnosis for “SHIFT”.
 - If more than one DTC is detected, also perform diagnosis based on the DTC Inspection Priority Chart (Refer to [DTC Inspection Priority Chart](#)).

Is “P18A9-00” detected?

YES>>

Refer to [DTC Diagnosis Procedure](#).

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

1. REPLACEMENT OF REDUCTION GEAR

Replace reduction gear due to the malfunction of parking actuator. Refer to [REDUCTION GEAR : Unit Removal & Installation](#).

>>

END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P07EC	00	Transmission Range Multi-function Select	Diagnosis condition	READY
			Signal (terminal)	Electric shift sensor input signal
			Threshold	Any of electric shift sensors No.1 to No.8 was detected stuck ON or OFF 5 times or more.
			Diagnosis delay time	—

POSITION PATTERN

Selector lever position	Electric shift sensor							
	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
R	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Nr	ON	ON	ON	ON	ON	OFF	OFF	OFF
H	ON	ON	ON	ON	ON	ON	ON	ON
Nd	OFF	OFF	OFF	ON	ON	ON	ON	ON
D/B	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON

POSSIBLE CAUSE

- Electric shift sensor
- Harness or connectors

(Open or short-circuit of the harness of each circuit)

FAIL-SAFE

No impact to vehicle behavior

1. PRECONDITIONING

If another DTC “Confirmation Procedure” was performed immediately before this task, make sure to OFF the power switch, exit the vehicle and close all doors (including the back door), and wait for at least 60 seconds until the combination meter OFF before starting the next test.

CAUTION:

While waiting, never operate the vehicle such as locking, opening, and closing doors. If operating it, results in the activation of ACC power supply according to the auto ACC function.

**NOTE:**

After the power switch OFF, there is time needed for data writing by the electric shift control module.

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2. ERASE SELF-DIAGNOSIS RESULT

With CONSULT

Erase self-diagnostic result for “SHIFT”.

>>

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3. CHECK FOR DTC DETECTION

With CONSULT

1. Set the vehicle to READY.
2. Select “Data Monitor” in “SHIFT”.
3. Select "Actual shift position".
4. Operate the selector lever as follows. (Keep the selector lever at each shift position for at least 2 seconds.)

CAUTION:

Perform the operation safely with the wheels blocked, the brake pedal depressed, and the vehicle stopped.

- H → N → R → N → D → N → H

5. Repeat step 4 an additional 5 times.
6. Perform self-diagnosis for “SHIFT”.

- If more than one DTC is detected, also perform diagnosis based on the DTC Inspection Priority Chart (Refer to [DTC Inspection Priority Chart](#)).

Is “P07EC-00” detected?

YES>>

Refer to [DTC Diagnosis Procedure](#).

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

Sample

CAUTION:

If "P07E9-00", "P07EA-00", or "P07EB-00" is displayed at the same time, also perform diagnosis based on the DTC Inspection Priority Chart. Refer to [DTC Inspection Priority Chart](#).

1. ELECTRIC SHIFT SENSOR INPUT SIGNAL INSPECTION

 With CONSULT

1. Set the vehicle to READY.
2. Select "Data Monitor" in "SHIFT".
3. Select "Shift sensor 1" to "Shift sensor 8".
4. Operate the selector lever and confirm the shift sensor in which the value is not switched.

CAUTION:

Perform the operation safely with the wheels blocked, the brake pedal depressed, and the vehicle stopped.

Monitor item	Condition	Value/Status
Shift sensor 1	Selector lever: H (home position) and kept in the R and Nr position	On
	Other than the above	Off
Shift sensor 2	Selector lever: H (home position) and kept in the R and Nr position	On
	Other than the above	Off
Shift sensor 3	Selector lever: H (home position) and kept in the Nr position	On
	Other than the above	Off
Shift sensor 4	Selector lever: H (home position) and kept in the Nr and Nd position	On
	Other than the above	Off
Shift sensor 5	Selector lever: H (home position) and kept in the Nr and Nd position	On
	Other than the above	Off
Shift sensor 6	Selector lever: H (home position) and kept in the Nd position	On
	Other than the above	Off
Shift sensor 7	Selector lever: H (home position) and kept in the Nd and D position	On
	Other than the above	Off
Shift sensor 8	Selector lever: H (home position) and kept in the Nd and D position	On
	Other than the above	Off

 Without CONSULT

1. Set the vehicle to READY.
2. Operate the selector lever and check the voltage between electric shift control module harness connector and ground.

CAUTION:

Perform the operation safely with the wheels blocked, the brake pedal depressed, and the vehicle stopped.