

# 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.

## 2012 NISSAN Tiida/Versa Sedan OEM Service and Repair Workshop Manual

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## 1. CHECK CHARGE PORT LIGHT FUNCTION

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1. After closing the vehicle door, set it to an open state.
2. Check that the charge port light lights up.

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Refer to [Diagnosis Procedure](#).

Sample

## 1. CHECK CHARGE PORT LIGHT POWER SUPPLY

---

1. Power switch OFF.
2. Disconnect charge port light harness connector.
3. After closing the vehicle door, set it to an open state.
4. Measure voltage between the charge port light and ground within 3 minutes.

+		-	<b>Voltage</b>
<b>Charge port light</b>			
<b>Connector</b>	<b>Terminal</b>		
E81	1	Ground	12 V battery power supply voltage

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

[GO TO 2.](#)

## 2. CHECK CHARGE PORT LIGHT CONTROL CIRCUIT

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1. Disconnect VCM harness connector.
2. Check voltage between the charge port light harness connector and the VCM harness connector.

+		—		Continuity
Charge port light		VCM		
Connector	Terminal	Connector	Terminal	
E81	1	E47	38	Existing

3. Also check harness for short to power supply and ground.

Is the inspection result normal?

YES>>

Perform trouble cause simulation test. Refer to [Intermittent Incident](#).

NO>>

Repair or replace error-detected parts.

## 3. CHECK CHARGE PORT LIGHT GROUND CIRCUIT

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Check for continuation between the charge port light harness connector and ground.

+		-	Continuity
Charge port light			
Connector	Terminal		
E81	2	Ground	Existing

Is the inspection result normal?

YES>>

Replace charge port light. Refer to [Removal & Installation](#).

NO>>

Repair or replace error-detected parts.

Sample

## 1. CHECK ELECTRIC WATER PUMP 1 COMMUNICATION CIRCUIT

---

1. Power switch OFF.
2. Disconnect VCM harness connector and electric water pump 1 harness connector.
3. Check for continuation between the VCM harness connector and the electric water pump 1 harness connector.

+		-		Continuity
VCM		Electric water pump 1		
Connector	Terminal	Connector	Terminal	
E48	143	F28	2	Existing

4. Also check harness for short to power supply and ground.

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair or replace error-detected parts.

## 2. CHECK FUSE

---

1. Remove fuse #94.
2. Check that the fuse is not blown.

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Replace the fuse after repairing the applicable circuit.

## 3. CHECK ELECTRIC WATER PUMP 1 POWER SUPPLY

---

1. Install the removed fuse.
2. Reconnect VCM harness connector.
3. Power switch ON.
4. Check voltage between the electric water pump 1 harness connector and ground.

+		-	Voltage
Electric water pump 1			
Connector	Terminal		
F28	3	Ground	12 V battery voltage

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

[GO TO 5.](#)

## 4. CHECK ELECTRIC WATER PUMP 1 GROUND CIRCUIT

---

1. Power switch OFF.
2. Check for continuation between the electric water pump 1 harness connector and ground.

+		-	Continuity
Electric water pump 1			
Connector	Terminal		
F28	1	Ground	Existing

Is the inspection result normal?

YES>>

Replace electric water pump 1. Refer to [ELECTRIC WATER PUMP : Removal & Installation.](#)

NO>>

Repair or replace error-detected parts.

## 5. CHECK ELECTRIC WATER PUMP 1 POWER SUPPLY CIRCUIT-1

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1. Power switch OFF.
2. Remove fuse #94.
3. Check for continuation between fuse #94 and the electric water pump 1 harness connector.

+	-		Continuity
	Electric water pump 1		
	Connector	Terminal	
Fuse #94 terminal (Electric water pump 1 side)	F28	3	Existing

4. Also check harness for short to power supply and ground.

Is the inspection result normal?

YES>>

[GO TO 6.](#)

NO>>

Repair or replace error-detected parts.

## 6. CHECK ELECTRIC WATER PUMP 1 POWER SUPPLY CIRCUIT-2

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1. Remove electric water pump relay.
2. Check for continuation between fuse #94 and the electric water pump relay harness connector.

+	-		Continuity
	Electric water pump relay		
	Connector	Terminal	
Fuse #94 terminal (Electric water pump relay side)	E129	5	Existing

3. Also check harness for short to power supply and ground.

Is the inspection result normal?

YES>>

[GO TO 7.](#)

NO>>

Repair or replace error-detected parts.

## 7. CHECK 12 V BATTERY POWER SUPPLY-1

---

Check voltage between the electric water pump relay harness connector and ground.

+			-	Voltage
Electric water pump relay				
Connector	Terminal			
E129	1	Ground	12 V battery voltage	
	3			

Is the inspection result normal?

YES>>

[GO TO 11.](#)

NO>>

[GO TO 8.](#)

## 8. CHECK FUSIBLE LINK

---

1. Remove fusible link #S.

2. Check that the fusible link is not blown.

Is the inspection result normal?

YES>>

[GO TO 9.](#)

NO>>

Replace the fusible link after repairing the applicable circuit.

## 9. CHECK 12 V BATTERY POWER SUPPLY-2

---

Check voltage between fusible link terminal and ground.

+	-	Voltage
Fusible link #S (Battery side)	Ground	12 V battery voltage

Is the inspection result normal?

YES>>

[GO TO 10.](#)

NO>>

Check power supply circuit.

## 10. CHECK 12 V BATTERY POWER SUPPLY CIRCUIT

---

1. Check for continuation between fusible link terminal and the electric water pump relay harness connector.

+	-		Continuity
	Electric water pump relay		
	Connector	Terminal	
Fusible link #S terminal (Relay side)	E129	1	Existing
		3	

2. Also check harness for short to power supply and ground.

Is the inspection result normal?

YES>>

Perform trouble cause simulation test. Refer to [Intermittent Incident](#).

NO>>

Repair or replace error-detected parts.

## 11. CHECK ELECTRIC WATER PUMP RELAY

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Check electric water pump relay. Refer to [Component Inspection](#).

Is the inspection result normal?

YES>>

[GO TO 12.](#)

NO>>

Replace electric water pump relay.

## 12. CHECK ELECTRIC WATER PUMP RELAY CONTROL CIRCUIT

---

1. Disconnect VCM harness connector.
2. Check for continuation between the electric water pump relay harness connector and the VCM harness connector.



+		-		Continuity
Electric water pump relay		VCM		
Connector	Terminal	Connector	Terminal	
E129	2	E47	46	Existing

3. Also check harness for short to power supply and ground.

Is the inspection result normal?

YES>>

Perform trouble cause simulation test. Refer to [Intermittent Incident](#).

NO>>

Repair or replace error-detected parts.

Sample

## 1. CHECK ELECTRIC WATER PUMP 2 COMMUNICATION CIRCUIT

---

1. Power switch OFF.
2. Disconnect VCM harness connector and electric water pump 2 harness connector.
3. Check for continuation between the VCM harness connector and the electric water pump 2 harness connector.

+		-		Continuity
VCM		Electric water pump 2		
Connector	Terminal	Connector	Terminal	
E48	109	F11	2	Existing

4. Also check harness for short to power supply and ground.

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair or replace error-detected parts.

## 2. CHECK FUSE

---

1. Remove fuse #95.
2. Check that the fuse is not blown.

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Replace the fuse after repairing the applicable circuit.

## 3. CHECK ELECTRIC WATER PUMP 2 POWER SUPPLY

---

1. Install the removed fuse.
2. Reconnect VCM harness connector.
3. Power switch ON.
4. Check voltage between the electric water pump 2 harness connector and ground.

+		-	Voltage
Electric water pump 2			
Connector	Terminal		
F11	3	Ground	12 V battery voltage

Is the inspection result normal?