

# Your Ultimate Source for OEM Repair Manuals

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## 2014 Nissan Versa Note Service and Repair Manual

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## DESCRIPTION

There are many operating conditions that lead to the malfunction of “charging system” components. If such conditions are understood, trouble shooting can be faster and more accurate.

Key points of interview	
What	Vehicle and parts
When	Date, Frequencies
Where	Road conditions
How	Operating conditions, Weather conditions
What happened	Symptom

In general, the way customers explanation of symptom differs from person to person, so it is important to fully understand the symptom and condition by conducting sufficient interviews.

Use "Diagnostic Work Sheet" to systematize all the information for troubleshooting.

- If there is a problem with the vehicle, use "Diagnostic Work Sheet A".
- Use "Diagnostic Work Sheet B" for problems related to charging, such as "cannot charge", "charging stops halfway", or "warning lamp turns on after charging".



**NOTE:**

**Overlapping multiple conditions may cause DTC to be detected.**

## DIAGNOSTIC WORKSHEET A

### DIAGNOSTIC WORKSHEET A (RELATED THE VEHICLE)

Diagnostic Work Sheet A			
Customer name	License plate No.	Date of first registration	
	Model		
Repair order issue date	VIN	Mileage	km or mile



Question	Group	Information from the customer	
Vehicle condition at malfunction occurred	R/Q/N/O	<input type="checkbox"/> READY® <input type="checkbox"/> Quick charge(Q) <input type="checkbox"/> Normal charge(N) <input type="checkbox"/> Others(O)	
Symptom	R	<input type="checkbox"/> "READY" not enable <input type="checkbox"/> Poor drivability <input type="checkbox"/> Shock <input type="checkbox"/> Vibration <input type="checkbox"/> Driving impossible <input type="checkbox"/> Fixed shift position <input type="checkbox"/> Poor shift <input type="checkbox"/> Poor braking <input type="checkbox"/> Poor acceleration <input type="checkbox"/> Poor electricity consumption <input type="checkbox"/> switch malfunction <input type="checkbox"/> Warning lamp ON <input type="checkbox"/> Others ( )	
		Details of symptom	
		Information display indication	
		Electricity consumption	km(mile)/kw
		Li-ion battery charge level	/


Question	Group	Information from the customer	
	Q/N	<input type="checkbox"/> Charging unable <input type="checkbox"/> Charging discontinued <input type="checkbox"/> Slow charging <input type="checkbox"/> Poor timer charging <input type="checkbox"/> Poor remote charging <input type="checkbox"/> Immediate charging unable <input type="checkbox"/> Others ( )	
		Details of symptom	
		Quick charger monitor indication	
		O	<input type="checkbox"/> A/C inoperative <input type="checkbox"/> Poor A/C <input type="checkbox"/> Dead 12 V battery <input type="checkbox"/> Others ( )
Details of symptom			
Location/status of occurrence	R/O	<input type="checkbox"/> Not applicable <input type="checkbox"/> ordinary road <input type="checkbox"/> Highway <input type="checkbox"/> Mountain pass <input type="checkbox"/> Rough road <input type="checkbox"/> Level road <input type="checkbox"/> Uphill <input type="checkbox"/> Downhill <input type="checkbox"/> Left/right turn <input type="checkbox"/> Others ( )	
	Q/N/O	<input type="checkbox"/> Start of charge <input type="checkbox"/> During charge <input type="checkbox"/> After stop charging <input type="checkbox"/> During standby of timer charging <input type="checkbox"/> During timer charging <input type="checkbox"/> At the end of timer charging <input type="checkbox"/> During remote charging <input type="checkbox"/> Others ( )	
Driving condition	R	<input type="checkbox"/> At the system startup <input type="checkbox"/> During READY (Vehicle stopped) <input type="checkbox"/> At start <input type="checkbox"/> During acceleration <input type="checkbox"/> During driving with a constant speed <input type="checkbox"/> During coasting <input type="checkbox"/> During braking <input type="checkbox"/> Right before stopping <input type="checkbox"/> Right after stopping <input type="checkbox"/> During POWER OFF operation <input type="checkbox"/> A/C ON <input type="checkbox"/> During shift change <input type="checkbox"/> Others ( )	
		Vehicle speed	km/h (MPH)
		Accelerator pedal opening angle	/ 8
Quick charge	Q	Quick charger maker	<input type="checkbox"/> Not applicable <input type="checkbox"/> Applicable ( )
		Location	
		Model maker	
		Serial No.	
		Setting	
		Others	
EVSE	N	Manufacturer	<input type="checkbox"/> Genuine <input type="checkbox"/> Others ( )

Question	Group	Information from the customer	
Wall outlet	N	<input type="checkbox"/> Not applicable <input type="checkbox"/> Applicable	
		Location	
		Voltage	V
		Breaker	A
		Other information	
Li-ion battery remaining energy	Q/N/O	<input type="checkbox"/> Not applicable <input type="checkbox"/> Applicable ( )	
Shift position/operation	R	<input type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> N <input type="checkbox"/> D <input type="checkbox"/> ECO <input type="checkbox"/> When operating ( ⇒ )	
Weather condition	R/Q/N/O	<input type="checkbox"/> Not applicable <input type="checkbox"/> Applicable	
		Weather	
		Temperature	°C
Occurrence frequency	R/Q/N/O	<input type="checkbox"/> All the time <input type="checkbox"/> Once <input type="checkbox"/> Sometimes ( times in the past) <input type="checkbox"/> Others ( )	
Timing of recovery from malfunction		<input type="checkbox"/> POWER OFF <input type="checkbox"/> Removal of 12V battery terminal <input type="checkbox"/> Shift lever operation <input type="checkbox"/> During driving <input type="checkbox"/> READY <input type="checkbox"/> Others ( )	
【REMARKS】			

## DIAGNOSTIC WORKSHEET B (RELATED THE CHARGING)

Pointed out concerns from the customer. Select from below (Multiple choices available).

1) What are the symptoms?		2) What timing does concern occur?	3) initial confirmation	4) Vehicle settings
Normal charge	<input type="checkbox"/> Normal charge will not start (Unable to start)	<input type="checkbox"/> A : Normal Charge Use Normal charging station with cable	1) How often did this concern occurs? <input type="checkbox"/> Always <input type="checkbox"/> Sometimes <input type="checkbox"/> Once	1) Has the timer been used for charging? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
	<input type="checkbox"/> Normal charge stops during charging		2) Did Charging Device display any failure messages? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know	2) Has remote control been used for charging? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
	<input type="checkbox"/> After normal charge  (EV system warning lamp) turns ON	<input type="checkbox"/>	3) Please list a model and maker of Charging Device. <input type="checkbox"/> _____ <input type="checkbox"/> Don't know	3) Has immediate charge conducted by turning ON the immediate charge SW? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
	<input type="checkbox"/> During normal charge  (EV system warning lamp) turns ON		4) Does same concern occur with different Charging Device? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know/ Different charging Device not used	4) Has Charging Device been
	<input type="checkbox"/> Unable to disconnect the charge connector from the normal charge port	<input type="checkbox"/>	1) How often did this concern occurs?	

	<input type="checkbox"/> Breaker of the infrastructure trips  <input type="checkbox"/> Others	B : Normal Charge Use NISSAN Mode3 cable and normal charging station with EV socket-outlet	<input type="checkbox"/> Always <input type="checkbox"/> Sometimes <input type="checkbox"/> Once 2) Did Charging Device display any failure messages? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know 3) Please list a model and maker of Charging Device. <input type="checkbox"/> _____ <input type="checkbox"/> Don't know 4) Does same concern occur with different Charging Device? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know/ Different charging Device not used	connected correctly? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know 5) When starting the charge, was the power SW on the vehicle OFF? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know 6) Was Li-ion battery fully charged when concern occurred? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
		<input type="checkbox"/> C : Normal Charge Use NISSAN EVSE	1) How often did this concern occurs? <input type="checkbox"/> Always <input type="checkbox"/> Sometimes <input type="checkbox"/> Once 2) Did same concern occur when Normal charge was conducted at different place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know 3) Was EVSE used for charging NISSAN genuine EVSE? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know 4) Using NISSAN genuine EVSE, what type of EVSE was used? <input type="checkbox"/> _____ (Type (Model No.) is stated on the backside of EVSE control box) 5) Did LED lights illuminated normally while using NISSAN genuine EVSE? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know 6) Using other than NISSAN genuine EVSE, did any warning lights etc., displayed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know/Not used 7) Using other than NISSAN genuine EVSE, please list maker of the EVSE. <input type="checkbox"/> _____ <input type="checkbox"/> Don't know	
Quick charge	<input type="checkbox"/> Unable to quick charge  <input type="checkbox"/> Quick charge stops during charging  <input type="checkbox"/> After quick charge  (EV system warning lamp) turns ON	<input type="checkbox"/> Quick charge	1) How often did this concern occurs? <input type="checkbox"/> Always <input type="checkbox"/> Sometimes <input type="checkbox"/> Once 2) Did quick charger display any irregularities? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know 3) Did charge connector of the quick charger had any irregularities? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know	1) When starting the charge, was the power SW on the vehicle OFF? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know 2) Was Li-ion battery fully charged when concern occurred? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know



## Description

When replacing CPLC, the following procedures must be performed.

Sample

## Work after replacement

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Vehicle specification needs to be written with CONSULT because it is not written after replacing the CPLC.




**NOTE:**

For details the operation, refer to “CONSULT Operation Manual”.

### 1. WRITING VEHICLE SPECIFICATION

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 With CONSULT

Perform writing vehicle specification to CPLC according to "Replace ECU" in CONSULT Operation Manual.

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WORK END

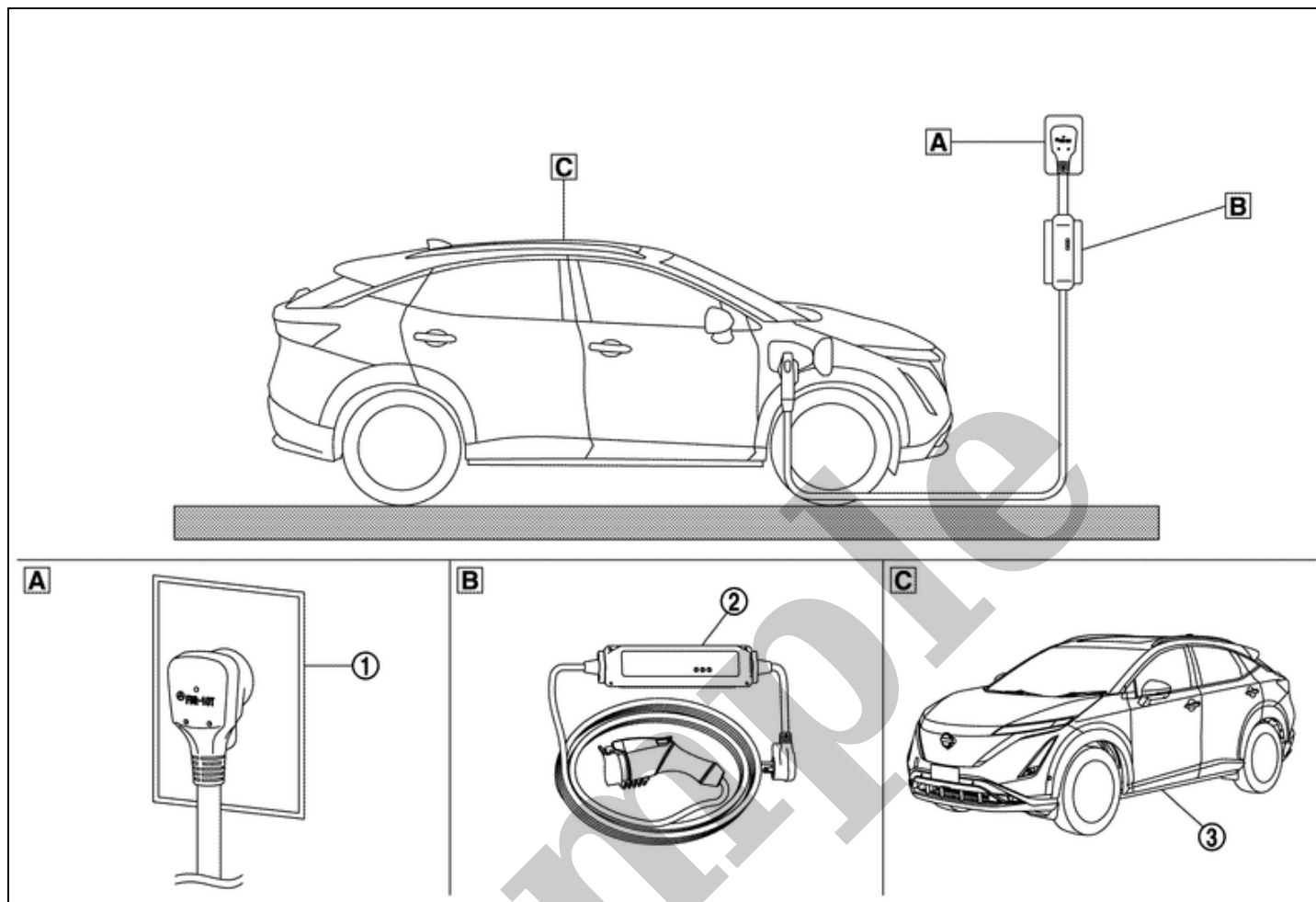
Sample



# Symptom Table

SIEMD-7323124

Charge by EVSE is composed of three factors, which are vehicle, EVSE and power supply outlet and it is necessary to determine which factor is causing the concerns.



SIEMD-7323124-01-000391568

①	Power outlet for normal charge	②	EVSE	③	Vehicle
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## 1. Symptom confirmation procedure

Perform the following procedure with each combination of patterns to check the status of the indicator lamp (LED) on the control box (EVSE) and the DTC.

### Combination patterns for confirming symptom (Vehicle, EVSE and power outlet)

Pattern 1	<ul style="list-style-type: none"> <li>• Outlet that is confirmed to operate normally (power outlet)</li> <li>• Customer's EVSE</li> <li>• Customer's vehicle</li> </ul>
Pattern 2	<ul style="list-style-type: none"> <li>• Outlet that is confirmed to operate normally (power outlet)</li> <li>• EVSE that is confirmed to operate normally</li> <li>• Customer's vehicle</li> </ul>

Pattern 3

- Outlet that is confirmed to operate normally (power outlet)
- Customer's EVSE
- Vehicle that is confirmed to operate normally

1. Turn power switch ON.
2. Erase "self-diagnostic result." using CONSULT.
3. Turn OFF the charging timer.



**NOTE:**

**In case of malfunction on timer charge setting, confirm from the symptoms.**

4. Turn power switch OFF.
5. Connect the EVSE plug to the power outlet and confirm the illumination of the control box indicator lamp (LED). (Charge connector is not connected to normal charge port.)

**CAUTION:**

- **Check that the plug is connected to the power outlet correctly.**
- **Check that breaker of the power outlet and the hand switch is not OFF.**

6. Connect the charge connector to the normal charge port and confirm the illumination of the control box indicator lamp (LED).

**CAUTION:**

- **Confirm that charge connector has been connected to the normal charge port correctly. (All the charge indicator lamp will turn ON for approx. 30 seconds.)**
- **Confirm that Li-ion battery is not fully charged. (All the charge indicator lamp will turn ON for approx. 5 minutes)**
- **Confirm that charging timer is not set. [Charge indicator lamp will repeatedly turn ON from the driver's seat side. (It will turn OFF after approx. 5 minutes).]**
- **Confirm that power supply position is not ON.**
- **Confirm that 12V battery is not discharged.**
- **Confirm that normal charge connector & quick charge connector are not connected at same time.**

7. Disconnect the charge connector.
8. Turn power switch ON.
9. Perform "all self-diagnostics" using CONSULT. When DTC is detected, perform diagnosis of the corresponding DTC.
10. Turn power switch OFF.
11. Disconnect the EVSE plug from the power outlet.

**CAUTION:**

**Be sure to unplug it once you change the combination.**

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