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2014 NISSAN XTerra OEM Service and Repair Workshop Manual




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Symptom Description





SIEMD-7200600

Symptoms	Check items	Solution
Immediate charge cannot be performed.	There is no power coming to outlet.	<p>Check that there is a public power supply failure or the breaker is on.</p> <div style="border: 1px solid green; padding: 5px;">  NOTE: <ul style="list-style-type: none"> • If an outlet or charge station equips a timer device, power only be available at the time set by the timer. • In a multi-story car park, the power does not turn on until the parking lot stows. The power may be turned off while the elevator is operating. </div>
	The outlet plug is not connected correctly.	Check the outlet plug for proper connection.
	The charge connector is not connected correctly.	Check the charge connector for proper connection.
	Both the normal charge connector and the quick charge connector are connected.	<p>Disconnect normal charge connector or quick charge connector.</p> <div style="border: 1px solid green; padding: 5px;">  NOTE: <p>Normal charge and quick charge cannot perform at the same time.</p> </div>
	Timer charge is set.	Press immediate charge switch.
	Li-ion battery is already fully charged.	<p>No action taken.</p> <div style="border: 1px solid green; padding: 5px;">  NOTE: <p>Charge is not performed if Li-ion battery is already fully charged.</p> </div>
	12V battery is discharged.	Charge the 12V battery.
	Since ground of outlet side is not satisfied Nissan's recommended work, genuine Nissan EVSE cannot be used.	Check lighting status of the indicator lamp of control box while connecting to the outlet where symptom occurred. If "READY" is blinking, check with a contractor about status of ground work done on outlet side.
	Old standard charge cable is used.	Use latest charge cable
Timer charge cannot be performed.	<p>There is no power coming to outlet.</p> <div style="border: 1px solid green; padding: 5px;">  NOTE: </div>	<p>Check that there is a public power supply failure or the breaker is on.</p>

Symptoms	Check items	Solution
		<ul style="list-style-type: none"> • If an outlet or charge station equips a timer device, power only be available at the time set by the timer. • In a multi-story car park, the power does not turn on until the parking lot stows. The power may be turned off while the elevator is operating.
	The outlet plug is not connected correctly.	Check the outlet plug for proper connection.
	The charge connector is not connected correctly.	Check the charge connector for proper connection.
	Both the normal charge connector and the quick charge connector are connected.	Disconnect normal charge connector or quick charge connector.  NOTE: Normal charge and quick charge cannot perform at the same time.
	Li-ion battery is already fully charged.	No action taken.  NOTE: Charge is not performed if Li-ion battery is already fully charged.
	12V battery is discharged.	Charge the 12V battery.
	EVSE is not connected	Connect EVSE
	When both of start time and end time of the timer charge are set : <ul style="list-style-type: none"> • Time at present is before the set start time. • Time at present is after timer charge stops. 	Check set time for starting timer charge and present time.
	The time on the clock is wrong.	Check that time shown on the navigation display.  NOTE: If the 12V battery terminal is disconnected, the time setting must be updated after communication with GPS.

Symptoms	Check items	Solution
	Immediate charge switch is pressed	If the immediate charge switch is pressed again while the charge cable is connected, Standby state is started until the timer start time and the started immediate charge can be cancelled. If timer charge still does not work, check the immediate charge switch system.
	Timer charge is not set.	Set the timer charge schedule
	Since ground of outlet side is not satisfied Nissan's recommended work, genuine Nissan EVSE cannot be used.	Check lighting status of the indicator lamp of control box while connecting to the outlet where symptom occurred. If "READY" is blinking, check with a contractor about status of ground work done on outlet side.
	Old standard charge cable is used.	Use latest charge cable
Remote charge cannot be performed.	There is no power coming to outlet.	<p>Check that there is a public power supply failure or the breaker is on.</p> <div style="border: 1px solid green; padding: 5px;">  NOTE: <ul style="list-style-type: none"> If an outlet or charge station equips a timer device, power only be available at the time set by the timer. In a multi-story car park, the power does not turn on until the parking lot stows. The power may be turned off while the elevator is operating. </div>
	The outlet plug is not connected correctly.	Check the outlet plug for proper connection.
	The charge connector is not connected correctly.	Check the charge connector for proper connection.
	Both the normal charge connector and the quick charge connector are connected.	<p>Disconnect normal charge connector or quick charge connector.</p> <div style="border: 1px solid green; padding: 5px;">  NOTE: <p>Normal charge and quick charge cannot perform at the same time.</p> </div>
	Li-ion battery is already fully charged.	<p>No action taken.</p> <div style="border: 1px solid green; padding: 5px;">  NOTE: <p>Charge is not performed if Li-ion battery is already fully charged.</p> </div>
	12V battery is discharged.	Charge the 12V battery.
	EVSE is not connected	Connect EVSE
	Communication with the vehicle cannot be	Confirm that there is a cellular signal in your location. Remote charge can not be started unless the web

Symptoms	Check items	Solution
	established.	enabled smart phone can connect to the intent. Confirm that there is a cellular signal at the vehicle location.
	The vehicle is left standing for long time.	Set the vehicle to READY.  NOTE: If the power switch is in the OFF position for more than 2 weeks, the remote charge is not performed.
	Since ground of outlet side is not satisfied Nissan's recommended work, genuine Nissan EVSE cannot be used.	Check lighting status of the indicator lamp of control box while connecting to the outlet where symptom occurred. If "READY" is blinking, check with a contractor about status of ground work done on outlet side.
	Old standard charge cable is used.	Use latest charge cable
Normal charge stops in the middle of charging.	There is no power coming to outlet.	Check that there is a public power supply failure or the breaker is on.  NOTE: <ul style="list-style-type: none"> • If an outlet or charge station equips a timer device, power only be available at the time set by the timer. • If an outlet or charge station equips a timer device, power only be available at the time set by the timer.
	EVSE is not connected	Connect EVSE
	Release switch of charge connector is pressed	Cancel the release switch.  NOTE: When the release switch is pressed for certain period, charge is stopped.
	Timer charge end time has come.	Press immediate charge switch.  NOTE: When timer charge is set and the charge end time comes, charge is stopped, even if Li-ion battery is not fully charged.
The normal charging time is too long.	Poor contact of EVSE plug due to outlet worn out or another issue.	<ul style="list-style-type: none"> • Check outlet and EVSE plug.

Symptoms	Check items	Solution
	(EVSE charge current is limited.)	<ul style="list-style-type: none"> Check by changing the combination of outlet and EVSE.
	Vehicle limits charge	Since vehicle may limit charge due to available EVSE, charge with different EVSE.
Quick charge cannot be performed.	Charge connector is not connected correctly.	Check charge connector for connection and lock.
	Quick charger judged poor insulation	Refer to Diagnosis Description .
	Power switch is in the ON position.	Before charging, power switch must be OFF position.
	Li-ion battery is already fully charged.	No action taken.  NOTE: Charge is not performed if Li-ion battery is already fully charged.
	12V battery is discharged.	Charge the 12V battery.
	Blackout occurs during quick charge or power supply of quick charger is OFF.	Check that power switch of quick charger is ON
Quick charge stops in the middle of charging	Both the normal charge connector and the quick charge connector are connected.	Disconnect normal charge connector or quick charge connector.  NOTE: Normal charge and quick charge cannot perform at the same time.
	Charging is stopped by quick charge timer. (Quick charger)	Perform quick charge again (if necessary).  NOTE: Charging is stopped depending on the timer function setting of the quick charger.
	Power supply to the quick charger is OFF.	Check that the power supply to the quick charger is ON.
Normal charge connector does not lock.	Charge connector lock is not set.	Perform charge connector lock setting
	Foreign material is caught in the lock pin of charge connector lock actuator.	Remove foreign material.
	Incorrect operation of release switch of normal charge connector while charge connector is connected	Disconnect once and reconnect charge connector.  NOTE:

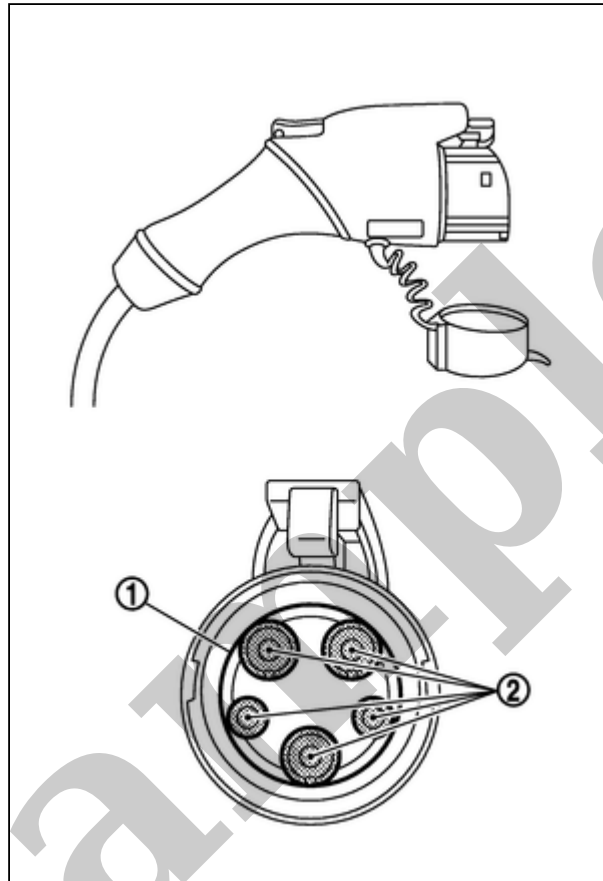
Symptoms	Check items	Solution
		<p>When slowly releasing and pressing the release switch while charge connector is connected, the lock mechanism may interfere with the release switch.</p>
<p>Even if charge connector is unplugged, normal charge connector remains locked status.</p>	<p>Charge connector is immediately disconnected.</p>	<p>Status of door changes from lock to unlock. (Charge connector is also unlocked at the same time)</p>

Sample

CHARGING CONNECTOR

1 Perform the following inspection visually.

- Check that there is no foreign object inside the charging connector.
- Packing of charging connector ① is cracked. Check if there is no breakage.
- Check whether the terminal of the charging connector ② is rusty or damaged.



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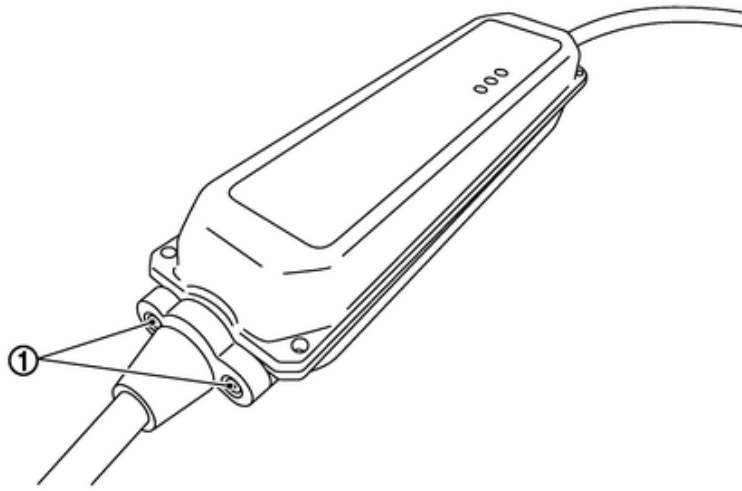
2 Treatment method

- If there is dirt or foreign matter inside the charging connector, clean it with air blow.
- Replace packing detachment of charging connector and rust of terminal, if there is damage, replace it.

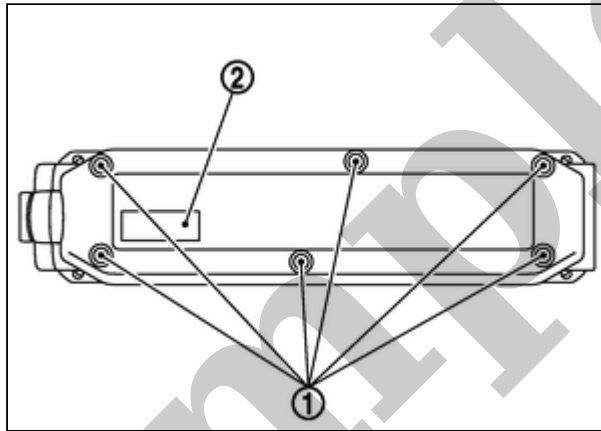
CONTROL BOX

1 Perform the following inspection visually.

- Perform the following inspections visually.
- Make sure there is a screw / lid ① of the control box.
- Make sure there is a label ② on the back of the control box.



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RPR-002038524-08-A0003ZZ

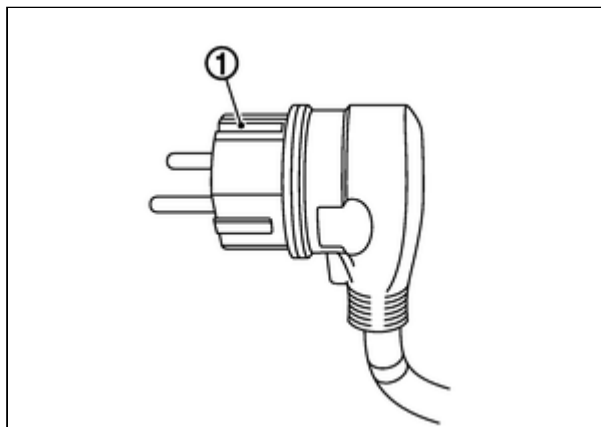
2 Treatment method

- If there is no screw, lid or label on the control box, replace the EVSE.

PLUG

1 Perform the following inspection visually.

- Make sure that no foreign matter is attached to the plug ①.
- Make sure the plug is not rusted.
- Check if the plug is damaged.



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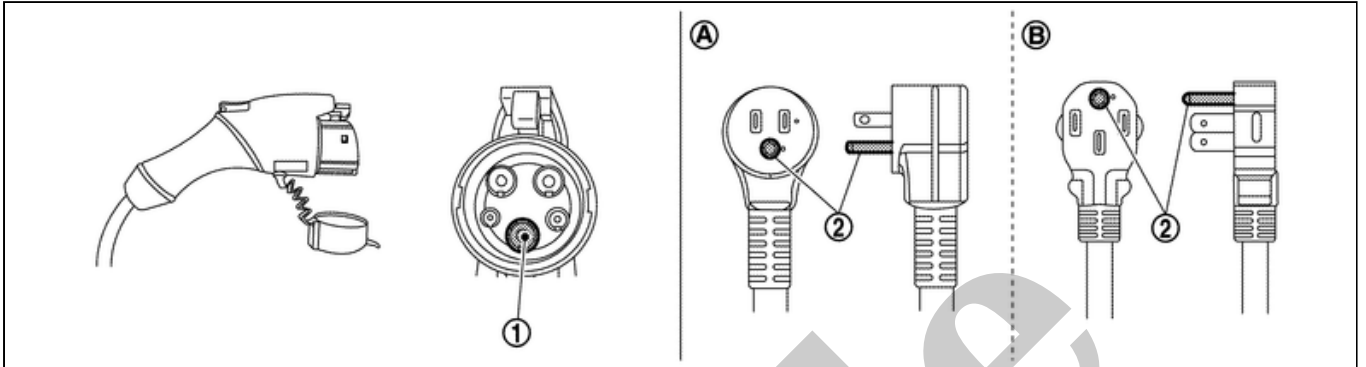
2 Treatment method

- If the plug is dirty or foreign, wash it with air blow.
- If there is rust or damage to the plug, replace the EVSE.

EARTH

1 Perform the following inspection visually.

- Inspect continuity between charging connector ① and plug ②.



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Ⓐ	NEMA 5-15	Ⓑ	NEMA 14-50		
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2 Treatment method

- If there is no conduction between the charging connector and the plug, replace the EVSE.