

Y1A Taycan

On Board Charger (OBC) Fault P31D200 "Charging Socket – Overtemperature"

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Taycan	As of 2020 up to 2022	Y1A	N/A	N/A

Revision History

Revision	Release Date	Changes
0	April 5, 2021	Original document
1	October 13, 2021	Extension of Model Year
2	January 24, 2022	Extension of equipment affected

Condition

The customer reports that the vehicle intermittently stops charging while using the Porsche Mobile Charger Connect or Porsche Mobile Charger Plus and associated cables. The workshop is able to confirm this condition using the customer's charging hardware, and the On Board Charger (OBC) has stored fault code P31D200 DTC E1140x "Charging socket – overtemperature".

High-voltage AC charger (11 kW - 16 B)		fault code: P31D200
Fault codes		
P31D200 - Charging socket - overtemperature		
Fault	E1140C	
Hinweis_Prio	4	
Fault status	Passive	
12_Fault status – last test cycle	Passive	
16_Fault detected in current operating cycle	No	
Pending DTC	Malfunction in current or last driving cycle detected	
11_Fault status – current test cycle	active	
15_Diagnostics since fault memory was last cleared	locked	
17_Fault detected since fault memory was last cleared	Yes	
14_Diagnostics in current operating cycle	locked	
13_Fault display in the instrument cluster	Off	

Figure 1

Technical Background

Pins and conductors within the vehicle cable charge handle reach high temperatures while charging for several hours on AC power. The charging socket temperature sensor in the vehicle charge port detects a high temperature and charging is stopped. This topic remains under investigation. This document will be updated with additional information when available.

Service Information

Obtain the vehicle cable used by the customer. In the case of the Mobile Charger Connect, the vehicle cable is a disconnectable 2.5 m or 7.5 m vehicle cable. In the case of the Mobile Charger Plus, a 4.5 m vehicle cable is permanently integrated into the Mobile Charger Plus control unit.

Ask the customer if they are regularly charging at one particular charge port (driver's side or passenger's side), and focus testing on the side most used by the customer.

Measure temperatures around the vehicle cable after at least 1 hour of full-power AC charging (208-240V, 40A setting). Check the temperature of the cable sheath below the vehicle connector, at the vehicle cable handle, and at the charge port of the vehicle. Compare the measured temperatures to another known-good charging cable used in similar conditions and with similar settings.

Check if high temperatures at the vehicle cable charge handle follow the vehicle cable by charging another vehicle using the same hardware.

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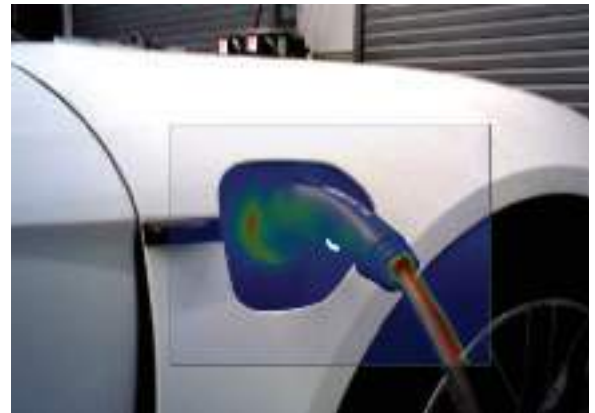


Figure 2

Advanced Technical Information

Bulletin #: 2104.2

Part ID: 9981

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Warranty

with Mobile Charger Connect

Cause location: 9981C Vehicle connecting cable

Cause symptom: 1417 Overheated/too hot

with Mobile Charger Plus

Cause location: 9981G Mobile Charger Plus

Cause symptom: 1417 Overheated/too hot

Search Items

Mobile charger connect, PMCC, Mobile charger plus, PMCP, PMC+, EVSE, charger, on board charger, OBC, socket, temperature, P31D200

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