

Subject:

QI WIRELESS CHARGER SYMPTOM TROUBLESHOOTING

Service Alert No.: SA-021/23

Last Issued : 12/07/2023

BULLETIN NOTES

This SA supersedes the previously issued SA(s) listed below. The changes are noted in Red.

Previous SAs:	Date(s) Issued:	
SA-021/23	08/28/23 and 04/14/23	
SA-028/22	05/02/22	

APPLICABLE MODEL(S)/VINS

2024 CX-90 equipped with factory installed Qi Wireless Charger	
	1. Charging area 2. LED indicator
2023-2024 CX-50 equipped with factory installed Qi Wireless Charger 2023-2024 CX-50 equipped with Mazda Genuine Accessory Qi Wireless Charger	1. LED indicator 2. Charging area

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DESCRIPTION

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Symptom Troubleshooting LED Indicator / Infotainment Display Icon Supplemental Information

	CX-50 Factory Installed and Mazda Genuine Accessory CX-5, CX-9 and CX-90 Factory Installed	Mazda3 and CX-30 Mazda Genuine Accessory Qi Wireless Charger				
Symptom	Possible Cause					
Phone will not charge	 Device is not complatible with Qi wireless charging standards (see trademark below) If is a standard is the standard is the standard is the packagin is the packagin is not complatible with Qi wireless charging standards Most phone cases will list compatibility on the packagin is not running None approved phone cases with magnets or metal plates The engine is not running Doors and/or liftgate is open The mobile device is fully charged. Foreign matter between the device and the charging area The temperature of the mobile device is high The mobile device is placed with the charging side facing upward The mobile device is placed in a position extremely deviating from the center of the charging area The Near Field Communication (NFC) function setting of the mobile device is on (depends on the model of the mobile device) 	 Device is not complatible with Qi wireless charging standards (see trademark below) If the second standards (see trademark below) If the second standards (see trademark below) Phone case is not complatible with Qi wireless charging standards Most phone cases will list compatibility on the packaging None approved phone cases with magnets or metal plates Ignition Off The mobile device is placed in a position extremely deviating from the center of the charging area The temperature of the mobile device is high. LED indicator error (see table below) 				

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CX-50, CX-90 Factory Installed and Mazda Genuine Accessory		CX-5 and CX-9 Factory Installed	Mazda3 and CX-30 Mazda Genuine Accessory	Customer Device	
LED Indicator	Infotainment Display Icon	LED Indicator	LED Indicator	Device Display	Infotainment Display Icon
-	Infotainment Display Icon	LED Indicator • No light - System Off • White - Stand-by (charging is possible) • Amber - Normal charging • Flashing Amber - Normal charging (charging efficiency is low) • Flashing Green - Fast charging (charging efficiency is low) • Flashing Oreen - Fast charging efficiency is low) • Flashing Green - Fast charging efficiency is low) • Flashing Oreen - Fast charging efficiency is low)	 LED Indicator No light - System Off White - Stand- by (charging is possible) Green - Charging Flashing White - Charge 	Customer device high temperature Example: iPhone	
 Customer device high temperature Foreign matter is detected Phone case is not compatible with Qi wireless charger 	Customer device issue	 pad high temperature is detected, Foreign matter is detected) Solid red (charger malfunction) 			

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Solid red - There is a problem with the Wireless Charger (Qi) and it needs to be repaired by an			
be repaired by an Authorized Mazda			
Dealer			

*1: Some mobile devices can switch between normal charging and fast charging.

*2: *For some types of mobile device, the indicator may remain green even when charging is complete.

- *3: Charging conditions:
 - a. Engine is running
 - b. Qi compatible device placed in center of the charging area on the tray
 - c. Doors and liftgate are closed

*4: PHEV gasoline engine Off

*5: PHEV gasoline engine running

iPhone 12 and later Tech Tip

MagSafe introduced on iPhone 12 and later. If the mobile device is not placed at the center of the wireless charger (Qi), charger performance is poor. Charger performance can be improved by adding a rubber block to center the device.



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REPAIR PROCEDURE

Go to 09-023/23 - WIRELESS CHARGER (Qi) CONCERNS

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