

Advisory Wire

REFERENCE NO:	AW300-44-0404	INFORMATION TYPE:	Maintenance
ATA:	44-00	EFFECTIVITY:	Challenger 350
SUBJECT:	Wireless charging guidance		

1. REFERENCES:

1.1 [C-ACX531-CA rev 00](#) – Special investigation - QI Charging Pad

2. INTRODUCTION:

The intent of this Advisory Wire (AW) is to provide additional guidance on the usage of the wireless chargers. These wireless chargers are found on the Challenger 3500 models.

3. DESCRIPTION:

Bombardier Technical Services was informed of a recent event where a smartphone with a metal ring holder mounted on it (Fig. 2) was placed on a wireless charging pad (Fig. 1). The Foreign Object Detection of the wireless charger was not able to detect the ring holder and the charging process was initiated. The ring holder was subjected to the electromagnetic field, and it began to heat up. The ring holder left a mark on the wireless charging cover (Fig. 1).

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Fig 1 - Charging pad cover



Fig. 2 - Ring holder

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4. ACTION:

Bombardier and Lufthansa Technik (Ref 1.1) would like to recommend that all metal add-ons (case, ring holder, etc.) on a smartphone be removed when using a wireless charging pad. Smartphones should be in direct contact with the wireless charger cover to avoid causing heat damages to the surface of the charging pad cover-