

Advisory Wire

REFERENCE NO:	AW300-32-0396	INFORMATION TYPE:	Maintenance Operational
ATA:	32-32	EFFECTIVITY:	Challenger 300 (20003 – 20500) Challenger 350 (20501 – 20999)
SUBJECT:	Nose Landing Gear (NLG) - Nose Wheel Steering Slow to Deactivate		

1. REFERENCES:

- 1.1 Transport Canada (TC) Airworthiness Directive (AD) CF-2021-29 [TC](#) [EASA](#)
- 1.2 Federal Aviation Administration (FAA) AD 2022-09-02 [FAA](#)
- 1.3 Bombardier Service Bulletin (SB) 100-32-35 – Modification – Nose Wheel Steering Control System – Replacement of the Nose Wheel Steering Selector Valve
- 1.4 Bombardier SB 350-32-011 – Modification – Nose Wheel Steering Control System – Replacement of the Nose Wheel Steering Selector Valve

2. INTRODUCTION:

This Advisory Wire is to inform operators about the release of the ADs (Ref. 1.1 and 1.2) concerning the replacement of the Nose Wheel Steering Selector Valve.

3. DESCRIPTION:

The Nose Wheel Steering Selector Valve part number 41130-107 may have a slow deactivation response time when exposed to low temperatures and/or operating with contaminated fluid. This condition could result in a slow shut-off of the hydraulic pressure to the nose wheel steering system when commanded.

To address the issue, Bombardier released SBs (ref 1.3 and 1.4) in Mar 2021 to introduce a redesigned Nose Wheel Steering Selector Valve (part number 41130-111).

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4. ACTION:

The release of the Ads (Ref 1.1 and 1.2) mandates that operators comply with the SBs (Ref 1.3 or 1.4) within 36 months from the effective date of the applicable AD. Operators should be aware of the SBs (Ref 1.3 and 1.4) and comply with the SB instructions within the recommended time frame.

Should you have any questions pertaining to this AW or require additional information, please contact your Bombardier Field Service Representative (FSR) or the Customer Response Center (CRC).