

Advisory Wire

REFERENCE NO:	AW300-32-0323 Rev Basic	INFORMATION TYPE:	Maintenance
ATA:	32-11	EFFECTIVITY:	Challenger 300 (20003 – 20500) Challenger 350 (20501 – 20999)
SUBJECT:	MLG WOW Harnesses found not installed per SB/AMM instructions		

1. REFERENCES:

- 1.1 [Service Bulletin \(SB\) 100-32-28 – Modification - Main Landing Gear – Installation of the Anti-Crimp Cylindrical Bracket Assembly. Released September 29, 2017](#)
- 1.2 [Service Bulletin \(SB\) 350-32-005 – Modification - Main Landing Gear – Installation of the Anti-Crimp Cylindrical Bracket Assembly. Released September 29, 2017](#)
- 1.3 [Safran Landing Systems Service Bulletin SB100-32-025 – MLG LH/RH Dressed Assembly – Installation of the Anti-Crimp Cylindrical Bracket Assembly. Released July 5, 2017](#)
- 1.4 [Challenger 300 AMM – TASK 32-11-13-400-801 - Installation of the Main Gear Harness](#)
- 1.5 [Challenger 350 AMM – TASK 32-11-13-400-801 - Installation of the Main Gear Harness](#)

2. INTRODUCTION:

This Advisory Wire (AW) is issued to remind maintenance technicians and Operators about the importance of following the Main Landing Gear (MLG) Weight On Wheels (WOW) harness installation instructions provided in Safran SB (ref 1.3) and AMM Tasks (ref 1.4 and 1.5).

3. DESCRIPTION:

Bombardier has received reports of damage on the MLG WOW harnesses and Teflon™ protective plate as seen in figure 1. The reported cases also show incorrect adjustment / installation of the WOW harnesses and/or hardware as seen in figure 2.

Ref 1.1 and 1.2 introduce an anti-crimp cylindrical bracket assembly which ensures that a minimum bend radius is maintained during MLG retraction, and is installed per instructions in the ref 1.3 VSB.

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Figure 1 - Examples of damage reported

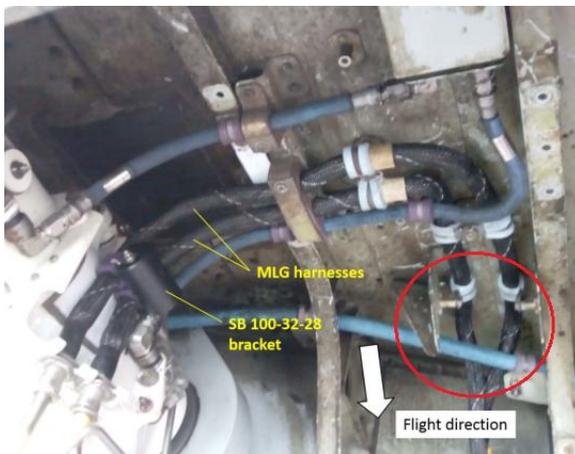


Harness crushed near MLG Bracket



Indents on Teflon™ protective plate

Figure 2 - Examples of incorrect adjustments / installations



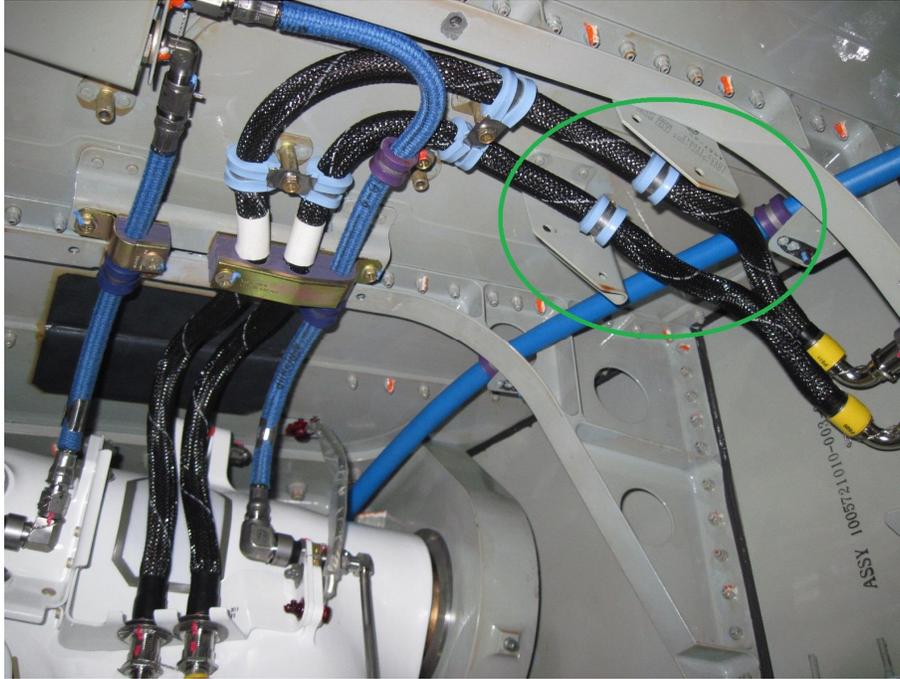
Clamps installed 180 degree offset



White sleeve too far from the block clamp

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Figure 3 - Examples of correct installation of hardware and proper routing of harnesses



Correct harness routing before bracket installation



Correct bracket positioning

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4. ACTION:

Maintenance technicians and Operators must ensure that the instructions given in the above Service Bulletins are adhered to avoid the possible damage of the MLG WOW harness and/or Teflon™ protective plate.