

Attachment 4

to Operations Group Factual Report

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Bombardier Learjet Advisory Wire 32-045

ADVISORY WIRE

32-045

DATE: October 13, 2008

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FROM: BOMBARDIER CUSTOMER SERVICES BUSINESS AIRCRAFT

ADVISORY WIRE

REFERENCE NO: AW32-045

SUBJECT: Tire Servicing

EFFECTIVITY: All Learjet Aircraft

ATA: 32-00

This information is of interest to both Maintenance and Operations Personnel

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1.0 REFERENCES:

- 1.1 Learjet Aircraft Maintenance and Flight Manuals.
- 1.2 Goodyear <http://www.goodyearaviation.com/img/pdf/aircraftmanual.pdf>

2.0 INTRODUCTION:

The changing of seasons is a good time to reinforce the importance of tire servicing

3.0 DESCRIPTION:

Correct tire inflation is a very important factor in any maintenance program. Tire servicing should be accomplished in accordance with Chapter 12 of the maintenance manual.

4.0 ACTION:

Proper tire inflation cannot be determined visually. Under inflation can result in overload of the adjacent tire (REF: AMM 12-10-5, pages 302 & 303). All certification & AFM data is based on NOMINAL tire inflation. As little as 5% under inflation can result in significant degradation of tire performance.

Recommendations for proper tire servicing:

1. Check cold tire pressure before the first flight of every day or every ten days on tires installed on aircraft that are not operated daily.
2. For every 5°F (3° C) change (increase) in temperature will result in a corresponding one percent (1%) change (increase) in tire pressure. The inverse applies for a decrease in temperature.
3. Avoid servicing or checking tires outside in extremely cold climates or within two hours of aircraft landing or a high-speed taxi.
4. Inflate tires for worst operating conditions.
5. Increase tire pressure by 4% for tires in a not jacked condition.
6. Do not reduce the pressure of a hot tire.
7. Service pressure in the main tires within 5 psig of each other.
8. Keep tire pressure gauge calibrated. (Preferably dial type.)
9. Complete a leak check of the valve core after each tire service.
10. Always replace the adjacent tire when a tire is damaged and a loss of pressure takes place during taxi, takeoff, or landing.