Service Advisory SA-0014

Technical Portions FAA Approved

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Subject: Tire Pressure and Wheel Balancing

ATA-Code: 12-10

Effectivity: K003 and On

1 BACKGROUND AND PURPOSE:

This Service Advisory informs E1000 operators of the recommended tire inflation pressures and wheel balancing practices to maintain proper aircraft alignment and performance.

2 REFERENCES:

Use the latest approved revision of all referenced documents:

- Epic E1000 Aircraft Maintenance Manual, P/N SK05000000
- Pilot's Operating Handbook and FAA Approved AFM for E1000, P/N SK05000001, SK05001001, SK05003001
- Aircraft Wheel and Brake by Kaman CM40-434 Component Maintenance Manual for Main Wheel Assembly P/N 40-434
- Aircraft Wheel and Brake by Kaman CM40-423 Component Maintenance Manual for Nose Wheel Assembly P/N 40-423

3 INFORMATION:

Proper tire inflation and nose wheel balance are critical to aircraft ground handling, tire life, and overall performance and safety.

Owners and operators of E1000 aircraft should verify tire pressures at regular intervals and before flight operations. As part of the preflight inspection, carefully examine the wheels and tires for defects, including:

- Flat spotted tires
- Out-of-round tires
- Tire tread separation
- Broken tire belts
- Ply separation
- Bent wheels
- Distorted wheels
- Cracked wheels

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During annual inspections, or whenever abnormal vibration, nosewheel shimmy, uneven tire wear, or handling issues are observed, inspect the nose wheel and tire assembly for proper balance in accordance with the latest approved maintenance documentation. In addition, operators are encouraged to balance the nose wheel assembly each time the tire is replaced.

Refer to Epic E1000 Aircraft Maintenance Manual, P/N SK05000000 chapter 12-10 for tire servicing procedures.

Refer to Aircraft Wheel and Brake by Kaman CM40-423 Component Maintenance Manual for Nose Wheel Assembly P/N 40-423 for nose wheel balancing procedures.