

All-Metal Proximity Sensors

Airbus introduced the Crane Aerospace & Electronics All-Metal Sensor PN 8-933-01 to the A320 aircraft production line in 2002 (from MSN 1794).

- Modern and resistant to operational environmental conditions, providing higher reliability (1,000,000 FH MTBF) than the old sensors
- Common to all landing gear and cargo door sensing positions on A320, and fully interchangeable with the old PN 8-484-01 on those 38 positions. Provides commonality with A330 and A340 aircraft
- Increases dispatch reliability



Prox Sensor Troubleshooting Tool

Airbus recommends Crane's Proximity Sensor Troubleshooting Tool PN 38-368-02 to functionally test all Crane sensors fitted on Airbus aircraft (All-Metal Sensors and Ferrite Sensors).

- The one and only efficient tool for functional tests and troubleshooting of Crane sensors either on-aircraft or in-shop.
- Referenced in Airbus AMM and TEM documentation.



Enhanced LGCIU

Crane's new enhanced Landing Gear Control Interface Unit (LGCIU) 80-178-03-88013 is now standard fit on the A320 and is available as a spare or retrofit in your current A320 fleet.

- Airbus Service Bulletin A320-32-1401 and Crane Service Letter SL80-178-03-01 provide information on updating your aircraft to the 80-178-03-88013 LGCIU standard.
- The Crane unit is now the only standard production LGCIU. It is fully interchangeable and intermixable with all previous LGCIU standards.
- The Crane LGCIU offers reduced weight, higher reliability, enhanced BITE functionality with the LGCIU's intercommunication 429 link, reduced power consumption and improved power handling.
- When also embodied with Airbus MOD 39303 introducing an ARINC 429 link between the two LGCIU positions, the Crane LGCIU improved BITE functionality is enabled (functionality not available with current LGCIUs).
- Replaces the previous LGCIU PN's 664700500A4A, B, C or D.



	Enhanced LGCIU	Airline Benefits
Weight	3.2Kg per unit	4.7Kg per shipset weight reduction
Intermixable	Same ARINC 600 form factor as previous LGCIU	Interchangeable and intermixable in all A320 installations
Enhanced LGCIU BITE Improvements	Improved internal and external fault coverage	Increased accuracy for system status, fault identification and trouble shooting
Improved Power Consumption and Handling	19% less power usage and 3X more tolerant of power interrupts	Reliable operation with fewer system interruptions and NFF removals due to aircraft power
Inter-LGCIU Communication Link	Additional ARINC 429 link between the two LGCIUs	Inter-LGCIU communication provides enhanced fault detection and fault isolation

Favorable pricing and warranty offered to A320 operators for all of these improvement products.

SmartStem® Tire Pressure Sensing Technology

SmartStem® technology provides a fast, accurate and reliable means for measuring tire pressure by utilizing passive, wireless sensors fitted within the tire inflation valve stem.

SmartStem is proven to reduce operator maintenance cost, and increase tire life, along with improving safety and braking efficiency by simplifying and automatically documenting the process of performing daily tire pressure checks.

- Current means for checking tire pressure are time consuming, require that tires be cold for accurate measurement, and the resulting data records can be complicated to manage.
- With SmartStem technology, tire pressure and temperature are checked wirelessly in seconds without any gas loss. An automatic data record is generated to help operators verify compliance with tire maintenance requirements.
- In addition, SmartStem technology can provide temperature corrected pressure – and electronic data tracking – to help ensure that tires are properly inflated in all operational conditions.

SmartStem technology is in service on aircraft such as 737NG, 747-400, 777, 787, Falcon 50 and multiple Learjet and Citation models.



Crane Aerospace & Electronics

Crane Aerospace & Electronics combines the experience of eight industry-leading brands to give manufacturers and airlines one integrated source for sensing, power, braking, electronics and more. Systems and products can be found in some of the toughest environments, from aircraft engines and landing gear to space satellites and medical implants.

Aerospace Group

The Aerospace Group designs, manufactures and supports critical aircraft systems and components, offering innovative solutions for sensing and control, landing systems, fluid management and cabin systems. Virtually all commercial and military aircraft fly with products manufactured by the Aerospace Group.

Electronics Group

The Electronics Group designs and manufactures high-density, high-reliability electronics for aerospace, space, military, medical, industrial and commercial applications. From Mars Rovers to implantable defibrillators, from land vehicles to fighter jets, Electronics Group products have proven their ability to operate in the most demanding environments.

CAGE Codes

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08748

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F9763

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02953

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Crane Aerospace & Electronics Reliability and Maintenance Improvement Products



- All Metal Proximity Sensors
- Proximity Sensors Troubleshooting Tool
- Enhanced LGCIU
- **SmartStem**® Tire Pressure Sensing Technology

