

Fuel Pump Upgrade

Boeing introduced the Crane Aerospace & Electronics 60-755100-5 and 60-989100-5 configuration fuel pump to the 737NG production line in April 2005.

The “-5” configuration fuel pump replaces all prior configurations and terminates the need for operator repetitive connector inspections and wire routing inspections in 28-CMR-01, 28-CMR-02 and AD 2002-19-52. It is achieving over 200,000 hours fleet reliability.



AACU Upgrade for Carbon Brake Retrofit

Boeing has certified new Carbon Brakes for production and field retrofit for the 737NG aircraft series. This Carbon Brake option reduces the aircraft weight by 300-700 pounds (136 to 318 kg) depending on aircraft model and airframe configuration. Crane Aerospace & Electronics new Antiskid/Auto-Brake Control Unit (AACU), part number 142-147, is designed to work with the Carbon Brakes.

For field retrofits, the existing 42-935-2 AACU can be modified to the 142-147 configuration per Crane Service Bulletin 42-935-32-2.



Battery Charger

Crane’s advanced Battery Charger (part number 8-930) is certified on all 737NG. It is now certified to be retrofitable as an upgrade on all 737 Classic aircraft.

It is a form, fit and function replacement for the existing ELDEC-brand battery chargers on these airplanes.

The new 8-930 Battery Charger provides significant cost-of-ownership advantages to operators – including higher reliability, enhanced fault isolation, built-in test capabilities, and compatibility with the new SAFT Ultra Low Maintenance (ULM) battery. In addition to all 737, the 8-930 battery charger is interchangeable for use on 747, 757 and 767 aircraft.



Proximity Sensor

The new Crane Aerospace & Electronics 737 proximity sensor, part number 80-207-01, is now certified on the 737-NG and Classic models and provides a new titanium design that will greatly improve the sensor reliability in the most harsh sensor locations.

The new titanium sensor, along with the improved wiring entry access, provides increased protection against vibration, shock and temperature extremes. This design prevents the most common reason for failure which is intrusion by moisture, humidity and corrosive fluids such as Skydrol and de-icing solutions.



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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F9763

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02953

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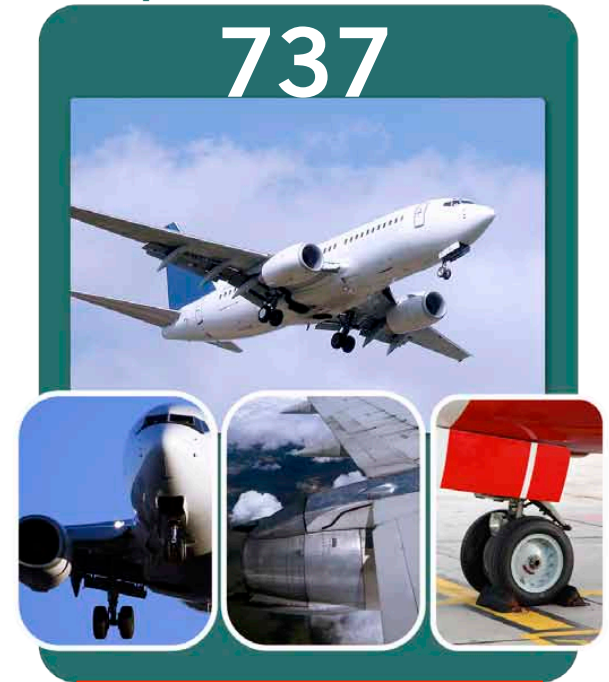
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Crane Aerospace & Electronics Reliability and Maintenance Improvement Products



- Fuel Pump Upgrade
- AACU Upgrade for Carbon Brake Retrofit
- Battery Charger
- Proximity Sensor
- **SmartStem**® Tire Pressure Sensing Technology

