Above and Beyond

"The Art of Braking," Messier-Bugatti's trademark slogan, precisely describes the passion and enthusiasm with which Messier-Bugatti, a subsidiary of the SAFRAN Group, designs its systems. The Messier-Bugatti brake is so prolific that, "Every second, somewhere in the world an airplane applies its Messier-Bugatti brakes," says Yves Leclerc, SAFRAN Executive Vice President of Equipment. At A-PRO, every second counts as we process these specialized pieces of equipment in our brake shop.

Servicing brakes requires a knowledgeable staff and a state-of-the-art facility capable of meeting the operational demands of major aircraft fleets and high-profile operators. These are some of the principal reasons that Messier-Bugatti selected, approved and maintains A-PRO as its chosen factory support representative for wheels and brakes.

A-PRO's direct relationship with the O.E.M. has resulted in a multitude of benefits to Falcon and Sikorsky S-92 helicopter operators. A-PRO is provided with up-to-date manuals, drawings and service bulletins so that each brake leaves A-PRO in the safest and most readily usable condition.

A-PRO's streamlined processes facilitate quick turn times on repairs and overhauls with the highest quality standards in the industry and a warranty period of two years or 2,000 cycles. No facility is in a better position to support your braking system needs than A-PRO. You can trust A-PRO's experience to perform right for you every time.

A-PRO
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Wheels, Tires & Brake Shop Overview

Aero Precision Repair & Overhaul ("A-PRO") has been providing full wheel & brake support for Dassault Falcon Jet Corporation and Messier-Bugatti-Dowty since our opening in 1990. Each wheel overhaul is disassembled, stripped, cleaned and visually inspected prior to non-destructive testing. To ensure you receive a reliable product, we thoroughly search for hidden flaws to determine structural integrity by using dye penetrant, magnetic particle, conductivity and eddy current testing methods.

Components that do not meet serviceability requirements are reviewed for possible repairs to extend the life of the part. If a repair is not possible, a new component part is installed to return the assembly to service. We recoat and reassemble the wheel according to manufacturers' specifications. Brake overhauls follow the same strict adherence to manufacturers' specifications. All sub-components of the brake assembly are stripped of coatings, inspected, recoated, assembled and tested. We pressure check each brake for the proper sealing of O-rings, correct mechanical actuation and the running clearances required to provide a reliable brake assembly. A-PRO's business model includes corporate, regional airlines, and military operators.

A-PRO services many corporate, regional and military wheels and brakes, including carbon stacks or steel configuration units. Our turn time is one of the best in the industry. We often utilize the advantage of our sister companies and affiliation to the OEM to provide specified tires or replacement components to mount to your serviced wheel, saving transit time and cost in getting a mate tire for your wheel assembly.
As part of our Repair Station Service, we provide top quality aircraft tire and provide many options, including exchange and outright purchases.

**Processes - (In House):**

- Paint Removal (PRAM)
- Visual Inspection
- Non-Destructive Inspection
- Repair
- Paint
- Assemble
- Tire Mounting
- Pressure & Function Testing

Your challenge is our opportunity. Give us a try on your next tire, wheel and/or brake service. We'll meet your requirement while providing on-going commitment to quality, reliability and customer service.