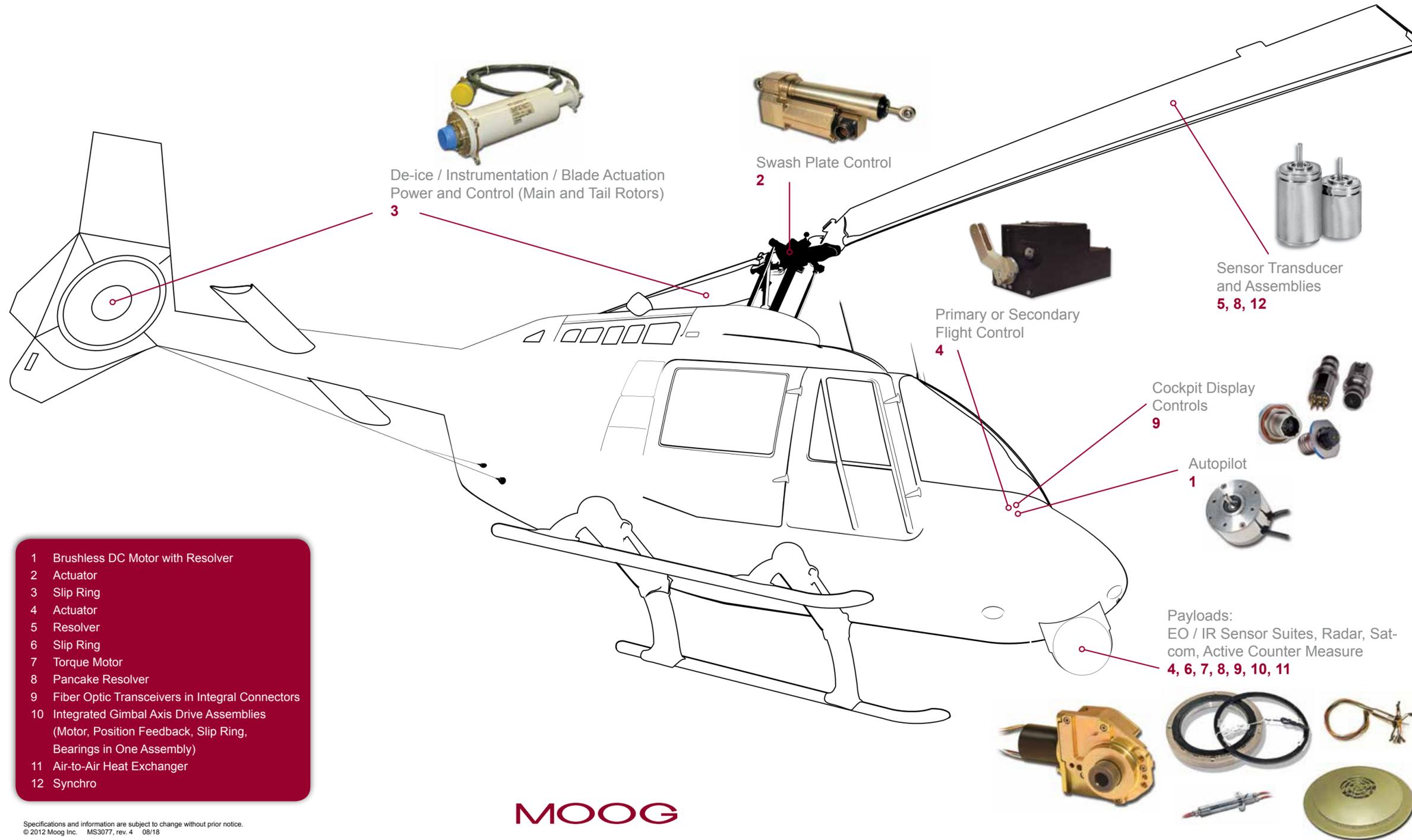


# Rotorcraft



- 1 Brushless DC Motor with Resolver
- 2 Actuator
- 3 Slip Ring
- 4 Actuator
- 5 Resolver
- 6 Slip Ring
- 7 Torque Motor
- 8 Pancake Resolver
- 9 Fiber Optic Transceivers in Integral Connectors
- 10 Integrated Gimbal Axis Drive Assemblies (Motor, Position Feedback, Slip Ring, Bearings in One Assembly)
- 11 Air-to-Air Heat Exchanger
- 12 Synchro

Specifications and information are subject to change without prior notice.  
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**MOOG**

# Commercial Fixed Wing and Rotorcraft Capabilities



**MOOG**

## About Moog

With over 50 years' experience in providing hardware for commercial aircraft systems, Moog can provide solutions to your application needs. We support customers in the supply of components and assemblies used in flight control, autopilot control, avionics, landing gear, EO / IR pedestals, cockpit instrumentation, satellite communications, blade de-ice and instrumentation / cockpit systems. Moog's expertise includes manned and unmanned platforms. As the supplier of choice for OEMs in the fixed wing and rotary wing communities, we serve both the military and commercial aviation markets.

Moog provides customers with motion and power / data products in support of military, aerospace, medical and high-end commercial and industrial applications. Products include slip rings, twist capsules, fiber optic rotary joints, fluid rotary unions, high performance DC motors, resolvers, electromechanical actuators, solenoids and multiplexers / data converters / switches. We also supply higher level solutions where multiple products are integrated into common mechanical assemblies.

Moog offers total in-house, engineering capabilities for design, manufacture and test over the full range of products. Resident technical disciplines include mechanical, electrical, electromagnetic, engineering science and mechanics, metallurgical engineering, materials science, physics and chemistry. We also have other resources to pull from including universities and Moog's other business segments.

Moog has nine major sites located in three countries. These sites include all support staff, engineering, production control, purchasing and quality assurance to ensure the seamless transition from design to prototyping to qualification to production. Many sites have model shops to support prototype builds. We also maintain extensive in-house machining capabilities for quick-turn, as well as qualified out-source facilities to manage production quantities. We operate several cellular manufacturing areas for like-process builds. We also have chemical plating at various sites that allows us to maintain control of these critical processes.

Moog has the ability to support environmental screening, including vibration, shock, temperature and humidity testing. We have the ability to perform mechanical and electrical test / inspection and utilize automated test stands to support production jobs. Our team is trained to employ Six Sigma tools to evaluate in-process and final test results and can generate and monitor process behavior charts to ensure meeting critical performance parameters. Moog also has test and analysis equipment to verify major critical parameters including electrical noise, material strength and composition, and tribological properties. Our ability to detect and correct problems is greatly enhanced with this equipment and knowledge.

## About Moog

Moog Inc. is a worldwide designer, manufacturer, and integrator of precision motion control products and systems. Moog's high performance systems control military and commercial aircraft, satellites and space vehicles, launch vehicles, missiles, industrial machinery, wind energy, marine applications and medical equipment. We are headquartered in East Aurora, New York. Moog is comprised of five segments: Aircraft Controls, Space and Defense Controls, Industrial Systems, Medical Devices and Components Group.

## Repair Capabilities

Moog is a FAA certified repair station and can offer hardware in support of AOG services.

**FAA / EASA Approved Repair Station Location, Springfield, PA**  
 FAA Repair Station: L17R251Y 750 West Sproul Road  
 EASA (JAA): 145.5497 Springfield, PA 19064-4084 USA  
 Cage Code: 1K426 Tel: +1-610-328-4000  
 Fax: +1-610-605-6216

**FAA Approved Repair Station Location, Blacksburg, VA**  
 FAA Repair Station: 21MR057C 1213 North Main Street  
 Blacksburg, VA 24060-3127 USA  
 Cage Code: 99932 Tel: +1-540-552-3011  
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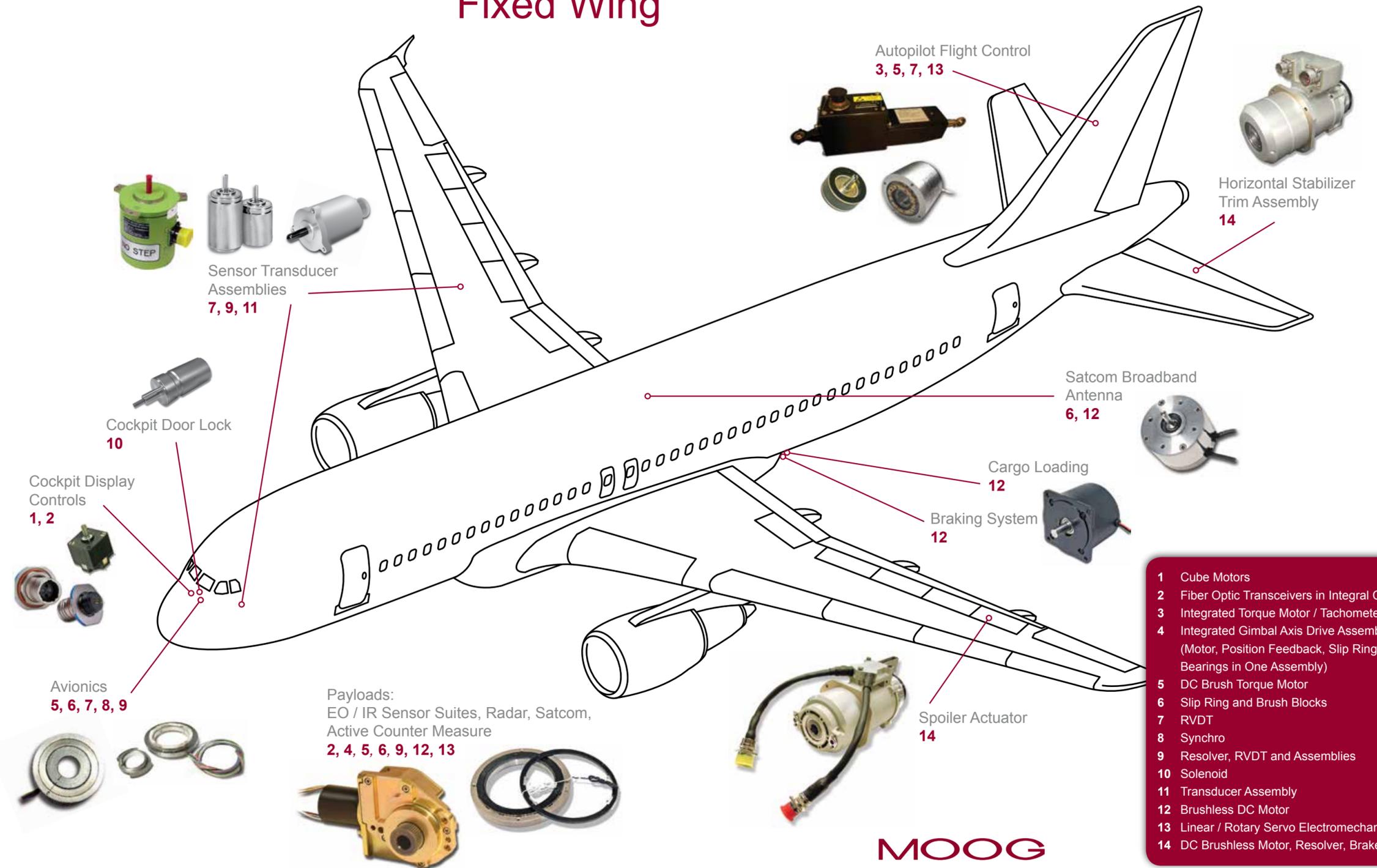
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 Fax: +44 (0) 118-966-6524

**MOOG**

www.moog.com

Email: mcg@moog.com

# Fixed Wing



- 1 Cube Motors
- 2 Fiber Optic Transceivers in Integral Connectors
- 3 Integrated Torque Motor / Tachometer
- 4 Integrated Gimbal Axis Drive Assemblies (Motor, Position Feedback, Slip Ring, Bearings in One Assembly)
- 5 DC Brush Torque Motor
- 6 Slip Ring and Brush Blocks
- 7 RVDT
- 8 Synchro
- 9 Resolver, RVDT and Assemblies
- 10 Solenoid
- 11 Transducer Assembly
- 12 Brushless DC Motor
- 13 Linear / Rotary Servo Electromechanical Actuator
- 14 DC Brushless Motor, Resolver, Brake Assembly

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