

UH-60 BLACKHAWK

STABILATOR ACTUATOR UPGRADE

RELIABILITY ENHANCED STABILATOR ACTUATOR



Boost your Blackhawk fleet's availability and performance with Simmonds Precision's Reliability Enhanced Stability Actuator (RESA) upgrade. The DL2155M31MOD1 replaces the M20 Stabilator Actuator on H-60 and S-70 aircraft, cutting wear components and delivering 10x better MTBF for greater reliability.



Features and Benefits

- Small, lightweight brushless DC motor
- 10x MTBF increase to over 10,000 hours
- Fully flight qualified for enhanced reliability
- In full production for U.S. Army UH-60 retrofit
- Proven to improve overall aircraft performance



**INCREASE
MISSION
READINESS**

RELIABILITY ENHANCED STABILATOR ACTUATOR

"RESA" replaces legacy actuator in the UH-60 fleet

"RESA" stands for Reliability Enhanced Stabilator Actuator

- A clean sheet design beginning in 2009
- Part number is DL2155M31MOD1 (SAC p/n: 70400-06641-201)
- Designed to be "drop-in" replacement for legacy actuator in all UH-60 models
- Contains FBW (fly-by-wire) functionality for future UH-60 upgrades

The "Legacy" actuator was a design evolved from the inception of the program

- The technology was approximately 50 years old
- Part number was DL2155M20MOD3 (SAC p/n: 70400-06641-117)

RELIABILITY IMPROVEMENTS

"RESA" uses non-contact technology

Brushed DC motor replaced Brushless DC motor

- Motor brushes are a wear item and are eliminated
- This is the single largest contributor to reliability and improvement

Potentiometer replaced by Resolver

- Potentiometer is a wear item and is eliminated

Limit Switches replaced by Resolver

- Switch contact is a wear item and is eliminated

	LEGACY	RESA
MTFB	1,000 HOURS	>10,000

PURCHASING

Contact GMS Corporation

Authorized distributor for Simmonds Precision Products Inc.

1984 Isaac Newton Square West
Reston, Virginia 20190
U.S.A.

Tel: +1-703-796-0077
RESA@gmsusa.com or SUPPORT@gmsusa.com
www.gmsusa.com

