



AUTHORIZED DISTRIBUTOR & AUTHORIZED REPAIR CENTER

MOOG

AUTHORIZED MOOG DISTRIBUTOR
& AUTHORIZED REPAIR CENTER
CAGE CODE: 4GPC1



HIGH PERFORMANCE CONTROL SYSTEMS

Moog is a World Leader in Customized, High Performance Control Systems and Products. S3 AeroDefense is proud to offer multiple UH-60 components and systems through our partnership. Along with supporting through distribution, S3 is a Moog Authorized Repair Center.

Paired with S3's dedication to exceptional customer support, this partnership can provide your fleet with the trusted supplies necessary to complete every mission.

H-60/S-70 PRODUCT LINES



PITCH TRIM APU



APU ACCUMULATOR



SAS ASSEMBLY



YAW BOOST
SERVO ASSEMBLY



ROLL TRIM
ASSEMBLY

Moog is the OEM for a number of different systems on the UH-60/S-70 Helicopter. Their Flight controls include the Pitch Trim Actuator, the Roll Trim Actuator and Hydraulic Accumulator. The electro-hydraulic flight controls are mechanically connected to the input linkage through a preloaded spring. The PTA design incorporates two potentiometers, a flow bypass valve, and a return pressure relief valve. The input linkage is connected to the output linkage through the Boost Actuator. The Roll Trim is mechanically connected to the input linkage through a preloaded spring. The RTA design incorporates two potentiometers, a flow bypass valve, and a return pressure relief valve. The input linkage is connected to the output linkage through a stiff link.

The UH-60/S-70 also utilizes Moog's Vibration Control Actuation System (VCAS). This system replaces traditional passive systems by measuring vibration levels at key locations in the aircraft and applying cancellation forces in an equal and opposite direction. The VCAS system adjusts these forces as the aircraft maneuvers and as payloads change thereby increasing overall efficiency. This also results in reducing airframe fatigue pilot fatigue and overall maintenance costs.

MAINTENANCE, REPAIR & OVERHAUL

Moog is a World Leader in Customized, High Performance Control Systems and Products. S3 AeroDefense is proud to offer multiple UH-60 components and systems through our partnership. Along with supporting through distribution, S3 is a Moog Authorized Repair Center.

UPGRADE PROGRAMS

Moog recently designed and qualified a reliability upgrade to the UH-60 Black Hawk pitch trim actuator, which provides increased mean time between unscheduled removal (MTBUR) and better wear characteristics in harsh environments such as salt water, humidity and sand. S3 can implement this reliability upgrade on all H-60 pitch trim actuators through our overhaul program.