The Gar-Kenyon Hydraulic System - Complete From One Source

The Gear Selector controls the gear position up or down, but contains a built-in true fail safety feature for fail-safe operation. This module also has a flow fuse for leakage protection, thermal relief, and inlet check valves.

A Pressure Switch controls system pressure between two selected limits by turning the pump on and off through a relay.

Parking Brake Valve mechanically operated and interlocked dual check valves for right and left brakes.

Motor/Pump and Reservoir - Another innovative Gar-Kenyon design. Lightweight, compact, containing visible reservoir, check valve, relief valve, and a cleanable, last chance filter.

Nose Gear Lock Cylinder - designed exclusively for each aircraft. High load capacity, low weight actuator is fully instrumented for safety, and becomes a structural rear brace of gear trunnion.

Tilted Check sequences the door and nose gear to central timing of separate hydraulic functions.

Toe Brakes - lightweight master brake cylinders generate fluid power for the brake system, and are structurally integral with rudder pedal assembly; completely independent from gear or flap system. The dual operated brake system allows mutual overriding from either seat.

Flag Selector - This servo-module positions the flaps precisely. Contains feedback feature to sense flap position and compare signal with input position signal.

Main Gear Lock Cylinder - thin and light yet capable of taking an 10,000 lb. column load. Contains six-ounce indicator switch. Presents low, clean drag profile when extended. These unique cylinders contain an integral mechanical locking feature in the extended position, eliminating the need for traditional over-center locking geometry.

Flap Actuator - Compact, double acting cylinder positions flaps through mechanical scissor linkage.