

The Gar-Kenyon Hydraulic System — Complete From One Source

The **Gear Selector** controls the gear position up or down, but contains a built-in free fall safety mode 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.

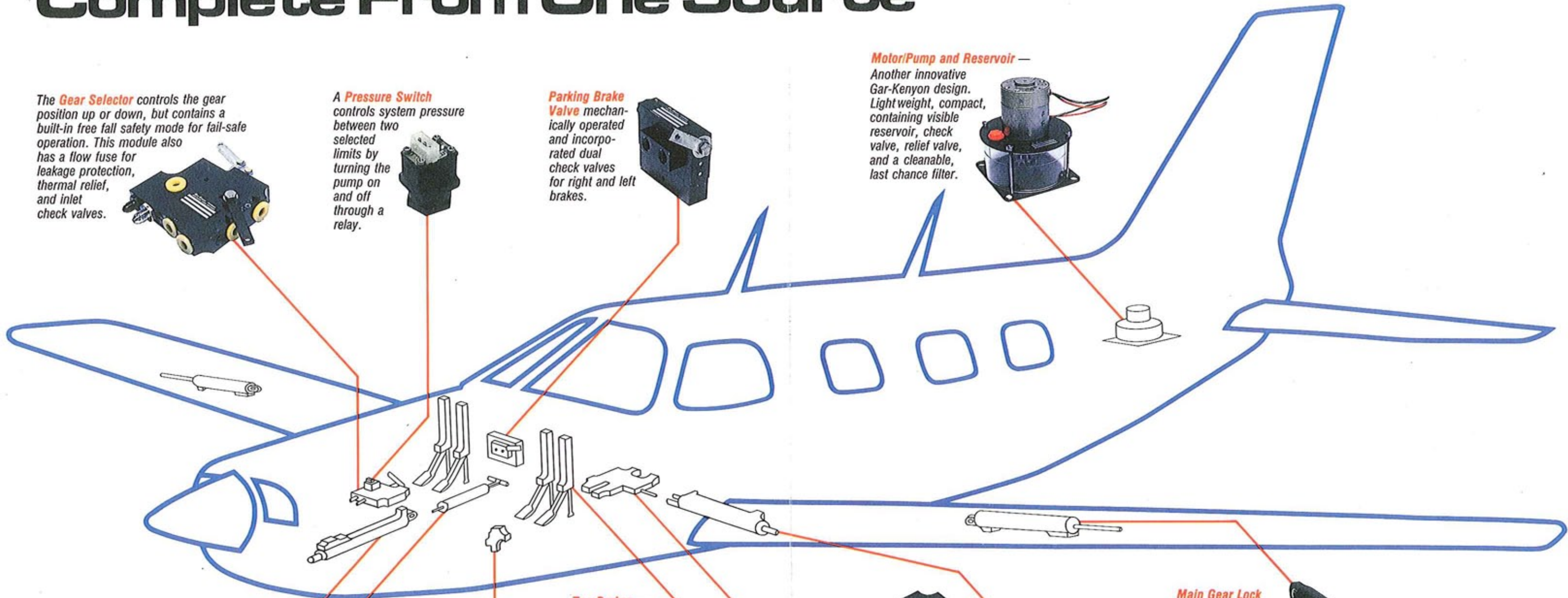
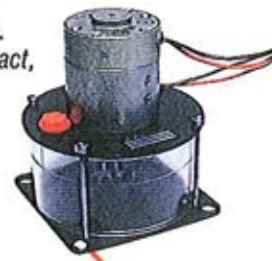


Parking Brake Valve mechanically operated and incorporated dual check valves for right and left brakes.



Motor/Pump and Reservoir —

Another innovative Gar-Kenyon design. Light weight, compact, containing visible reservoir, check valve, relief valve, and a cleanable, last chance filter.



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



Timed Check sequences the door and nose gear to control timing of separate hydraulic functions.



Nose Wheel Door Actuator — This compact cylinder closes landing gear door against spring — fail safe.



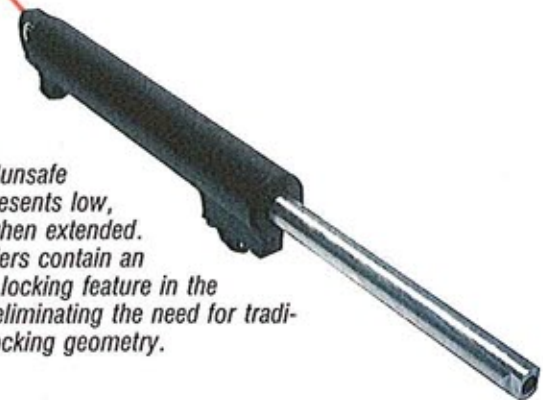
Toe Brakes — light weight master brake cylinders generate fluid power for the brake system, and are structurally integral with rudder pedal assembly; completely independent from gear or flap system. The dual operated brake system allows mutual overriding from either seat.



Flap 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 — trim and light but capable of taking an 18,000 lb. column load. Contains safe/unsafe 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.

