

Both RAVEN I and II are equipped with hydraulically boosted main rotor flight controls.

System description

- Engine driven hydraulic pump via gearbox, provide power to 3 servos with 450-500 psi.
- Hydraulic reservoir stores and provide hydraulic fluid to the pump, through a filter. It has a pressure relief valve, and a pilot controlled pressure shutoff valve (electrical switch on the cyclic)
Note: Electrical power is required to turn off the hydraulics. Pulling the HYD CB will not turn off hydraulics but it will disable the HYD switch.

Normal Ops

- Check by a quick push and pull 2" FWD and AFT during pre-flight to ensure functioning

Non-Normal Ops

- In case of HYD failure in flight
 - Reduced to 60 kts
 - Shallow approach, best on hard surface
 - Avoid high/low attitudes and steep turns
 - Collective will be heavy
 - Turn HYD off
 - Run-on landing at walking speed, DO NOT HOVER.