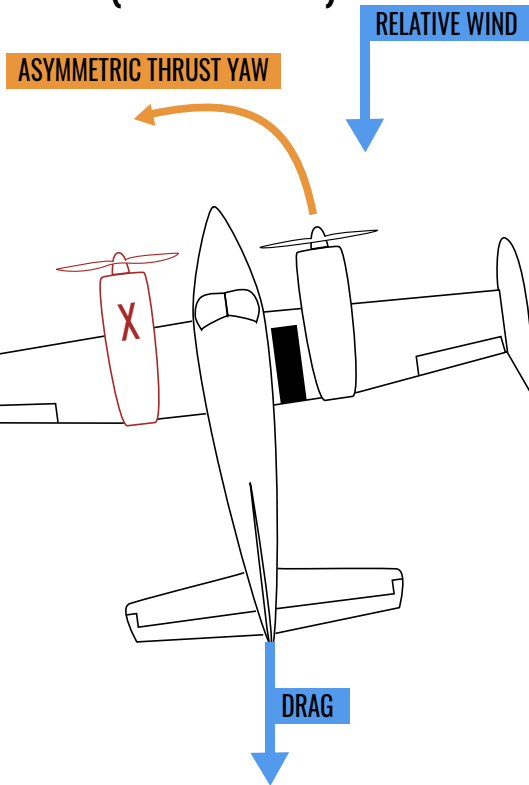
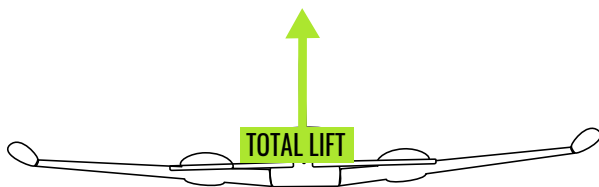


SIDESLIP V. ZERO-SIDE SLIP

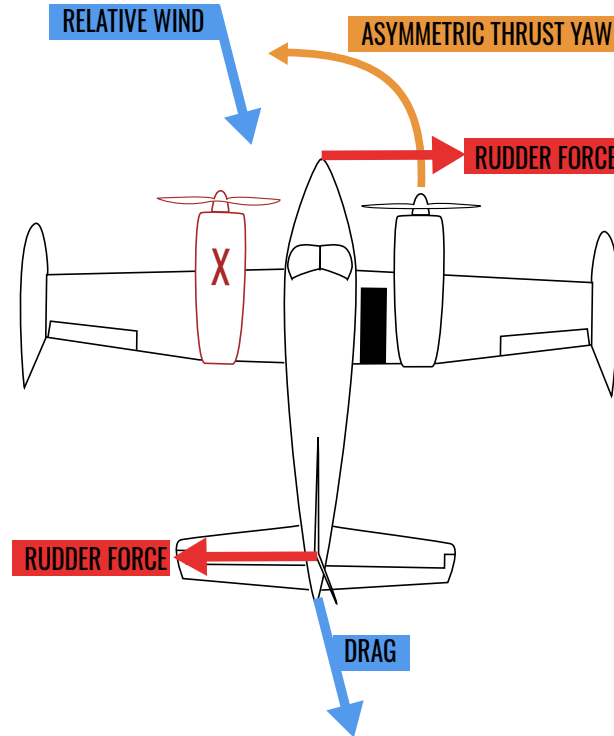
ENGINE FAILURE (MOST DRAG)



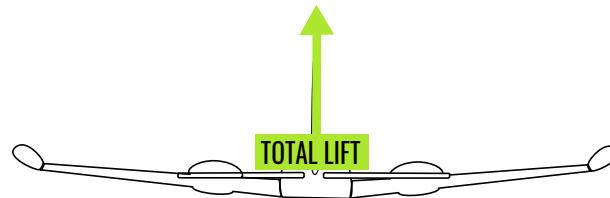
ENGINE FAILS, CAUSING A YAWING AND ROLLING FORCE TOWARDS THE DEAD ENGINE. THIS CREATES A SIDESLIP TOWARDS THE OPERATING ENGINE



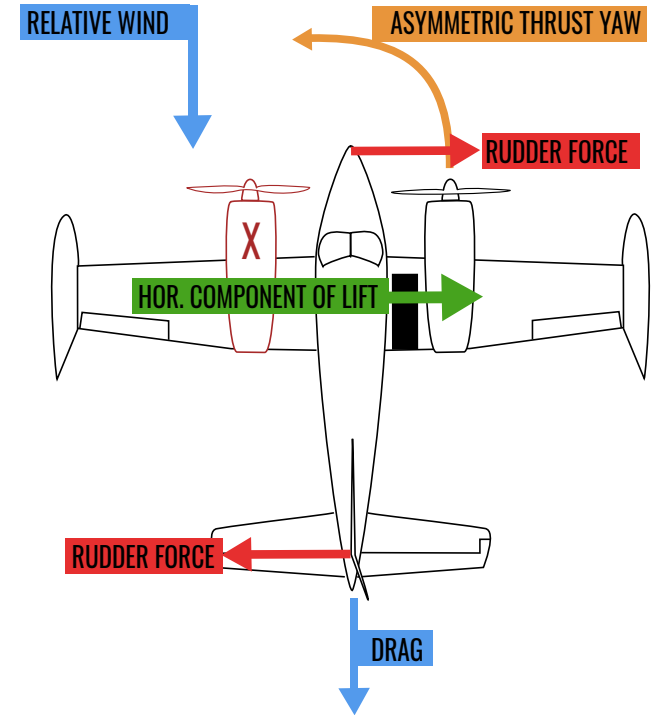
SIDESLIP (LESS DRAG)



IF A PILOT MAINTAINS HEADING STRICTLY WITH THE RUDDER, IT CREATES A SIDESLIP TOWARDS THE DEAD ENGINE



ZERO-SIDESLIP (LEAST DRAG)



TO MINIMIZE DRAG CAUSED BY A SIDESLIP, THE PILOT WILL BANK INTO THE OPERATING ENGINE 2°-5°. THE HORIZONTAL COMPONENT OF LIFT WILL COUNTERACT THE ROLLING MOTION AND CREATE A ZERO SIDESLIP CONDITION

