

# N371DS Memory Items

Vs0 – Stall Speed Landing Configuration	56 mph
Vs1 – Stall Speed Clean	62 mph
Vmca – Single Engine Minimum Control Speed	78 mph
Vx – Best Angle of Climb, Both Engines	76 mph
Vxse – Best Angle of Climb, Single Engine	85 mph
Vy – Best Rate of Climb, Both Engines	100 mph
Vyse – Best Rate of Climb, Single Engines	95 mph
Vfe – Max Flap Extension Speed	100 mph
Vlo – Max Landing Gear Extension Speed	125 mph
Va – Maneuvering Speed	130 mph
Vno – Max Structural Cruising Speed	180 mph
Vne – Never Exceed Speed	227 mph
Maximum Gross Weight	3500#
Fuel Capacity Mains	72g
Fuel Capacity Aux	36g

Rejected Take-off

Throttles – Both Idle

Directional Control – Maintain

Brakes – Apply as needed

Engine Failure after Take-off (gear down)

Throttles – Both Idle

Directional Control – Maintain

Pitch – Adjust for landing

Brakes – Apply as needed after landing

Engine Failure after Take-off (gear up)

Directional Control – Maintain

Pitch – Adjust to maintain Vyse

Throttles – Full Forward

Prop Levers – Full Forward

Mixture Levers – Set

Flaps – Up

Gear – Up

Failed Engine – IDENTIFY (“Free Foot”)

Failed Engine – VERIFY (Corresponding Throttle to Idle)

Failed Engine – FEATHER (Corresponding Prop Lever to Feather)

Engine Failure after Take-off (gear up)

Directional Control – Maintain

Pitch – Adjust to maintain Vyse

Throttles – Full Forward

Prop Levers – Full Forward

Mixture Levers – Set

Flaps – Up

Gear – Up

Failed Engine – IDENTIFY (“Free Foot”)

Failed Engine – VERIFY (Corresponding Throttle to Idle)

Failed Engine – FEATHER (Corresponding Prop Lever to Feather)

Engine Failure during Cruise Flight (+1500' AGL)

Directional Control – Maintain

Pitch – Adjust to maintain Vyse

Throttles – Full Forward

Prop Levers – Full Forward

Mixture Levers – Set

Flaps – Up

Gear – Up

Trouble Shoot

- Fuel Selectors
- Magnetos
- Boost Pumps
- Carb Heat

(If unable to resolve problem)

Failed Engine – IDENTIFY (“Free Foot”)

Failed Engine – VERIFY (Corresponding Throttle to Idle)

Failed Engine – FEATHER (Corresponding Prop Lever to Feather)

## Engine Failure after Gear Extended for Landing

Directional Control – Maintain

Pitch – Adjust to maintain Vyse

Throttles – Full Forward

Prop Levers – Full Forward

Mixture Levers – Set

Flaps – Up

Gear – \*Consider

Failed Engine – IDENTIFY (“Free Foot”)

Failed Engine – VERIFY (Corresponding Throttle to Idle)

Failed Engine – FEATHER (Corresponding Prop Lever to Feather)

\*Note – in general, if the gear has been extended for landing it should be left down. However, in some circumstances it may become necessary to retract the gear to achieve adequate performance. If the gear is retracted, particular attention should be paid to assure that it is extended before landing.