

# CESSNA N739KS

DO NOT RELY ON THIS INFORMATION FOR AIRCRAFT OPERATIONS. ALWAYS USE THE OFFICIAL PILOT OPERATING HANDBOOK OR AIRCRAFT MANUAL.

## PREFLIGHT INSPECTION

### CABIN

Certificates/Documents.....IN AIRCRAFT  
Control Wheel Lock.....REMOVE  
Ignition Switch.....OFF  
Radio Master.....OFF  
Master Switch.....ON  
Fuel Quantity Indicators.....CHECK QUANTITY  
Flaps.....DOWN FOR INSPECTION  
\*\*\* For Night Operations: Lights.....CHECK  
Master Switch.....OFF  
Fuel Selector Valve.....BOTH  
Baggage Door.....CHECK

### TAIL SECTION

Tail Tie-Down.....DISCONNECT  
Control Surfaces.....CHECK FREEDOM & SECURE

### RIGHT WING

Aileron.....CHECK FREEDOM & SECURE  
Wing Tie Down.....DISCONNECT  
Main Wheel Tire.....CHECK(Inflation/Condition)  
Fuel Tank Sump Quick Drain Valve.....DRAIN  
Fuel Quantity.....CHECK VISUALLY  
Fuel Filler Cap.....SECURE

### NOSE

Engine Oil Dipstick.....(5-6 Qts)CHECK/SECURE  
Fuel Strainer Drain Knob.....PULL OUT(2-4 Sec)  
Propeller & Spinner.....CHECK  
Landing Light(s).....CHECK  
Carburetor Air Filter.....CHECK  
Nose Wheel Strut & Tire.....CHECK  
Wheel Chocks.....REMOVE  
Windshield.....CHECK CLEAN  
Static Source Opening.....CHECK

### LEFT WING

Main Wheel Tire.....CHECK(Inflation/Condition)  
Fuel Tank Sump Quick Drain Valve.....DRAIN  
Fuel Quantity.....CHECK VISUALLY  
Fuel Filler Cap.....SECURE  
Pitot Tube/Cover.....CHECK/REMOVE  
Fuel Tank Vent Opening.....CHECK  
Stall Warning Opening.....CHECK  
Wing Tie Down.....REMOVE  
Aileron.....CHECK FREEDOM & SECURE

### BEFORE STARTING ENGINE

Preflight Inspection.....COMPLETE  
Passenger Briefing.....COMPLETE  
Seats, Belts, Shoulder Harness...ADJUST & LOCK  
Fuel Selector Valve.....BOTH  
Brakes.....SET  
Circuit Breakers.....CHECK IN

### STARTING ENGINE

Avionics/Radio Master.....OFF  
Mixture.....RICH  
Carburetor Heat.....COLD (IN)  
Prime.....AS REQUIRED (2-6)

Throttle.....OPEN 1/8"  
Master Switch.....ON  
Propeller Area.....CLEAR  
Ignition Switch.....START  
Oil Pressure.....CHECK  
Throttle.....WARM UP @ 1000RPM  
Mixture.....Lean for smooth running  
Avionics/Radio Master.....ON

### BEFORE TAXI

Lights & Flashing Beacon.....AS REQUIRED  
Audio Panel.....SET  
DG.....SET  
Flaps.....UP  
Brakes.....TEST

### BEFORE TAKEOFF

Parking Brake.....SET  
Seats, Belts, Harnesses.....CHECK SECURE  
Doors and Windows.....CLOSE & LOCK  
Flight Controls.....FREE & CORRECT  
Fuel Selector Valve.....BOTH  
Fuel Quantity.....CHECK  
Mixture.....RICH  
Throttle.....1700 RPM  
Magnetos...CHECK (125 max +- 50 difference)  
Carburetor Heat.....CHECK for RPM Drop  
Engine Instruments & Ammeter.....CHECK  
Suction Gage.....CHECK  
Throttle.....IDLE  
Throttle Friction Lock.....ADJUST  
Elevator Trim.....SET for T/O  
Flight Instruments.....CHECK & SET  
Radios.....SET  
Transponder.....ALTITUDE  
Wing Flaps.....SET for takeoff  
Lights.....AS DESIRED  
Brakes.....RELEASE

### TAKEOFF

#### NORMAL

Wing Flaps.....UP  
Carburetor Heat.....COLD (IN)  
Elevator Trim.....SET  
Mixture.....MAX RPM (RICH)  
Throttle.....FULL OPEN  
Elevator Control.....LIFT NOSE WHEEL (55 KIAS)  
Climb Speed.....73 KIAS

#### SHORT FIELD TAKEOFF

Wing Flaps.....0 degrees  
Soft field.....10 degrees  
Carburetor Heat.....COLD (IN)  
Elevator Trim.....SET  
Brakes.....APPLY  
Mixture.....MAX RPM (RICH)  
Throttle.....FULL OPEN  
Brakes.....RELEASE  
Elevator Control.....SLIGHTLY TAIL LOW  
Climb Speed.....59 KIAS

### ENROUTE CLIMB

Airspeed.....85 KIAS  
Throttle.....FULL OPEN  
Mixture.....RICH

**CRUISE**

Power.....2200 – 2700 RPM  
 Elevator Trim .....ADJUST  
 Mixture.....LEAN

**DESCENT**

Fuel Selector Valve.....BOTH  
 Power.....AS DESIRED  
 Mixture.....ADJUST  
 Carburetor Heat.....FULL HEAT (OUT) AS REQD

**BEFORE LANDING**

Seats, Belts, Harnesses.....SECURE  
 Fuel Selector Valve.....BOTH  
 Mixture.....RICH  
 Carburetor Heat.....FULL HEAT (OUT)

**LANDING**

**NORMAL LANDING**

Airspeed.....65 – 70 KIAS (flaps up)  
 Wing Flaps.....AS DESIRED (below 85 KIAS)  
 Airspeed.....60 – 65 KIAS (flaps down)  
 Touchdown.....MAINS FIRST  
 Landing Roll.....lower nose wheel gently  
 Braking.....MINIMUM REQUIRED

**SHORT FIELD LANDING**

Airspeed.....65 – 70 KIAS (flaps up)  
 Wing Flaps.....FULL DOWN  
 Airspeed.....60 KIAS (until flare)  
 Throttle.....REDUCE to Idle after clearing obstacle  
 Touchdown.....MAINS FIRST  
 Landing Roll.....Lower Nose Wheel Gently  
 Braking.....AS REQUIRED  
 Wing Flaps.....RETRACT

**GO-AROUND**

Throttle.....FULL OPEN  
 Carburetor Heat.....COLD (IN)  
 Wing Flaps.....20° (immediately)  
 Climb Speed.....59 KIAS  
 Wing Flaps.....10 (until obstacles cleared)  
 Then RETRACT after reaching safe alt. & 60 kt

**AFTER LANDING**

Carburetor Heat.....COLD (IN)  
 Wing Flaps.....UP  
 Transponder.....OFF  
 Lights.....As Required

**SHUTDOWN**

Brakes.....SET  
 Avionics Master.....OFF  
 Electrical Equipment & Lights.....OFF  
 Mixture.....IDLE CUTOFF  
 Ignition Switch.....OFF  
 Master.....OFF  
 Control Lock.....INSTALL  
 Hobbs.....RECORD  
 Aircraft.....SECURE  
 Flight Plan.....CLOSE

**ENGINE FAILURE DURING TAKEOFF RUN**

Throttle.....IDLE  
 Brakes.....APPLY  
 Wing Flaps.....RETRACT  
 Mixture.....IDLE CUT-OFF  
 Ignition Switch.....OFF  
 Master Switch.....OFF

**ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF**

Airspeed..65 KIAS (flaps up) 60 KIAS (flaps down)  
 Mixture..... IDLE CUT-OFF  
 Fuel Selector Valve.....OFF  
 Ignition Switch.....OFF  
 Wing Flaps ..... As Required  
 Master Switch.....OFF

**ENGINE FAILURE DURING FLIGHT**

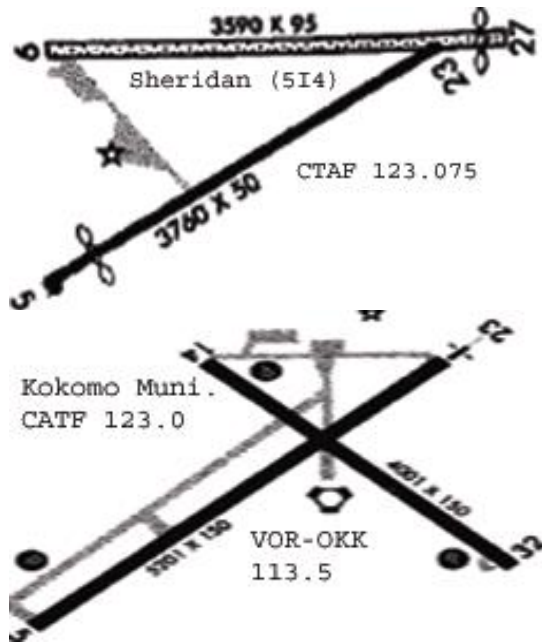
Airspeed.....65 KIAS  
 Carb Heat.....ON  
 Fuel Selector Valve.....BOTH  
 Mixture.....RICH  
 Ignition Switch.....BOTH (or Start if prop stopped)  
 Primer.....IN & LOCKED  
 Transponder.....7700  
 Radio.....121.5 MAYDAY!

**EMERGENCY LANDING W/O POWER**

Airspeed..65 KIAS (flaps up) 60 KIAS (flaps down)  
 Mixture.....CUT-OFF  
 Fuel Selector Valve.....OFF  
 Ignition Switch.....OFF  
 Wing Flaps ..... As required (40 recommended)  
 Master Switch.....OFF  
 Doors .....UNLATCH PRIOR TO TOUCHDOWN  
 Touchdown.....Slightly Tail Low (min. speed)  
 Brakes.....APPLY HEAVILY

Max Weight 2300 lbs Useful Load 796 lbs  
 Useful Load Full Fuel 556 lbs Max Baggage 120 lbs  
 Oil Capacity 6 qts Fuel Capacity 43 gal Usable Fuel 40

Vso	41 KIAS	Vfe	85 KIAS	Downwind	75
Vs1	47 KIAS	Va	97 KIAS	Base	70
Vx	59 KIAS	Vno	128 KIAS	Final	65
Glide	65 KIAS	Vne	160 KIAS	Short	60
Vy	73 KIAS	X-wind	15 kts	TAS	110



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