

SIA Sim C152 PREFLIGHT CABIN

ARROW DocON BOARD
Hobbs Meter RECORD
Control lock..... REMOVE
Ignition Switch OFF
Master ON
Fuel Gauges CHECK
Flaps 30 degrees
Master OFF

FUSELAGE AND EMPENNAGE

Fuel Drain DRAIN
Fuselage/Empennage CHECK COND
Rudder Gust Lock..... REMOVE
Tail Tie-Done REMOVE
Control Surface CHECK
Empennage/Fuselage CHECK COND

RIGHT WING TRAILING EDGE

Flap CHECK
Aileron CHECK

RIGHT WING

Wing Tie Down DISCONNECT
Undercarriage/Tire CHECK
Fuel Drain DRAIN
Fuel Quantity DIP/MEASURE
Fuel Cap SECURE
Wing Surface CHECK COND
Windshield CLEAN

NOSE

Engine Oil Level 4-6 qts
Fuel Sump DRAIN
Prop/Spinner CHECK COND
Alternator Belt CHECK COND
Oil Cooler UNOBSTRUCTED
Landing Light CLEAN
Air Filter UNOBSTRUCTED
Wheel Strut/Tire CHECK COND
Static Port UNRESTRICTED

LEFT WING

Fuel Quantity DIP/MEASURE
Fuel Filler Cap SECURE
Pitot Tube UNRESTRICTED CLEAR
Fuel Tank Vent CLEAR
Wing Tie Down DISCONNECT
Stall Warning CHECK OP
Wing Surface CHECK CONDITION

BEFORE ENGINE START

Preflight Inspection COMPLETE
Passenger Briefing COMPLETE
Seats ADJUSTED
Seatbelts FASTENED
Brakes TEST and SET
Avionics OFF
Circuit Breakers CHECK IN
Fuel Shutoff Valve ON

ENGINE START

Mixture RICH
Carb Heat OFF
Master ON
Beacon ON
Strobes ON
Throttle OPEN 1/4
Brakes ON
Pirne AS REQUIRED
Prop Area CLEAR!
Ignition Switch START & RELEASE
Throttle 1000 RPM or LESS
Oil Pressure RISING
Ammeter STARTER DISENGAGED
Flaps UP
Avionics ON
Radios FREQUENCY SET
Transponder STANDBY(Set Squawk)
Taxi To Run-Up Area CHECK BAKES

ENGINE RUNUP

Cabin Doors CLOSED and LATCHED
Flight Controls FREE and CORRECT
Elevator Trim TAKEOFF
Flight Instruments CHECK and SET
Brakes ON/SET
Throttle 1700 RPM
Mags SET LEFT THEN RIGHT
Check for 50 RPM drop
Carb Heat CHECK
Ammeter CHARGING
Engine Instruments CHECK
Suction Gauge CHECK
Throttle IDLE

BEFORE TAKEOFF

Winds CHECK
Yoke FREEDOM OF MOVEMENT
Rudder..... FREEDOM OF MOVEMENT
Trim FREEDOM and SET
Lights..... AS REQUIRED
Radios/Avionics SET
Transponder ALT
Mixture..... RICH

NORMAL TAKEOFF

Flaps..... 0-10 DEGREES
Carb Heat OFF
Throttle FULL
Yoke ROTATE @50 KIAS
Climb Speed..... 65-75 KIAS

SHORT FIELD TAKEOFF

Flaps..... 10 DEGREES
Carb Heat OFF
Brakes Apply
Mixture..... RICH
Throttle FULL
Brakes RELEASE
Yoke ROTATE @50 KIAS
Climb Speed..... 54 KIAS
Flaps..... RETRACT@60 KIAS

CRUISE

Pitch LEVEL FLIGHT
Power SET TO CRUISE
Trim SET
Mixture..... LEANED

DESCENT

Power AS REQUIRED
Mixture..... AS REQUIRED
Carb Heat AS REQUIRED

BEFORE LANDING

Seats, Belts ADJUST and LOCK
Mixture..... RICH
Carb Heat ON

NORMAL LANDING

Airspeed 60-70 KIAS no flaps
Airspeed 55-65 KIAS w/flaps
Flaps..... AS DESIRED below 85 KIAS
Final App 55-65 KIAS

SHORT FIELD LANDING

Airspeed 60-70 KIAS no flaps
Flaps 30 Degrees below 85 KIAS
Final App Speed..... 55 KIAS
Touchdown..... MAIN GEAR FIRST
Brakes APPLY HEAVILY
Flaps UP

AFTER LANDING

Carb Heat..... OFF
Flaps UP

SECURING AIRCRAFT

Radios, Electrical OFF
Transponder..... OFF
Throttle 1200 RPM
Mixture IDLE CUTOFF
Ignition Switch OFF
Master OFF

AIRSPEEDS (KIAS)

Vne..... 149
Vno..... 111
Va..... 93-104
Vfe..... 85
Vy..... 67@SL
Vx..... 54@SL