



Douglas DC-3

Microsoft Flight Simulator X

Aircraft : Default Douglas DC-3

Panel : Default Douglas DC-3



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Pre-Start Checklist

| | |
|--------------------------|--------------------------|
| Parking Brakes | SET |
| Throttle | IDLE |
| Propeller | HIGH RPM |
| Mixture | CUTOFF |
| Magnetos | OFF |
| Master Battery Switch | ON |
| Panel Lights | ON if required |
| Generators | ON |
| Landig Gear Lever | CHECK DOWN |
| Flaps | UP |
| Flight controls | CHECK |
| Cowl Flaps | OPEN |
| Elevator Trim | SET for takeoff (Center) |
| Fuel Quantity | CHECK |
| Fuel Booster Pumps | OFF |
| Fuel Selectors | FULLEST TANKS |
| Carb. Heat | COLD |
| Pitot Heat | OFF |
| Radio Master Switch | ON |
| Fasten Seatbelts | ON |
| No Smoking Sign | ON |
| Check Weather | (ATIS, Flight Services) |
| De-Ice | OFF |
| <i>Request Clearance</i> | |
| Transponder | SET |
| Beacon | ON |

Startup Checklist

| | |
|---------------------------|---------------|
| Engine and Propeller Area | CLEAR |
| Throttle | IDLE, cracked |
| Mixture | AUTO RICH |
| Master Ignition Switch | ON |
| Right Magneto Lever | BOTH |
| Right Fuel Booster Pump | ON |
| Right Primer | AS REQUIRED |
| Start Switch | ON Right |

Speed
Propeller
Elevator Trim
Transponder

Max. 20 knots
LOW RPM
SET for takeoff (Center)
1200

Shutdown Checklist

| | |
|------------------------|--------|
| Parking Brake | SET |
| Throttle | IDLE |
| Fasten Seatbelts | OFF |
| No Smoking Sign | OFF |
| Pitot Heat | OFF |
| Master Ignition Switch | OFF |
| Mixture | CUTOFF |
| Magnetos | OFF |
| Fuel Selectors | OFF |
| Radio Master Switch | OFF |
| Nav Lights | OFF |
| Beacon | OFF |
| Tail Wheel | LOCKED |
| Generators | OFF |
| Panel Lights | OFF |
| Master Battery Switch | OFF |

Securing Aircraft

| | |
|---------------|-------------|
| Parking Brake | Verify SET |
| Throttle | Verify IDLE |
| All Switches | Verify OFF |
| Cowl Flaps | CLOSE |



Approach Checklist

Localizer Level Flight :

| | | |
|--------------------|---------------|-----|
| Fasten Seatbelts | ON | |
| No Smoking Sign | ON | |
| Landing Lights | ON | |
| Fuel Selectors | FULLEST TANKS | |
| Fuel Booster pumps | ON | |
| Speed: Establish | 125 KIAS | 22" |
| Propeller | 2050 RPM | |
| Mixture | RICH | |
| Cowl Flaps | OPEN HALFWAY | |
| Carb Heat | AS REQUIRED | |
| Flaps | 1/4 | |
| Speed: Establish | 105 KIAS | 22" |
| Flaps | 1/2 | |
| Landing Gear | DOWN | |
| Speed: Establish | 95 KIAS | 30" |

Final Glideslope Descent :

| | | |
|------------------|-------------|-----|
| Flaps | 3/4 to FULL | |
| Propeller | HIGH RPM | |
| Speed: Establish | 90 KIAS | 18" |
| Parking Brake | VERIFY OFF | |

Landing Checklist

| | |
|---------------|-------------------|
| Landing Gear | CHECK DOWN, GREEN |
| Autopilot | OFF if in use |
| Landing Speed | 80-85 KIAS |
| Touchdown | MAIN WHEELS FIRST |
| Landing Roll | LOWER TAIL WHEEL |

Taxi To Ramp

| | |
|--------------------|-------------------|
| Tail Wheel | UNLOCKED FOR TAXI |
| Flaps | RETRACT |
| Cowl Flaps | OPEN |
| Carb Heat | OFF |
| Fuel Booster Pumps | OFF |
| Landing Lights | OFF |

| | |
|-----------------------------|-------------|
| Oil Pressure | CHECK |
| Fuel Pressure | CHECK |
| Right Fuel Booster Pump | OFF |
| Left Magneto Lever | BOTH |
| Left Fuel Booster Pump | ON |
| Left Primer | AS REQUIRED |
| Start Switch | ON Left |
| Oil Pressure | CHECK |
| Fuel Pressure | CHECK |
| Left Fuel Booster Pump | OFF |
| Engine Instruments | CHECK |
| Vacuum Pressure | CHECK |
| Hydraulic Pressure | CHECK |
| Temps/Press | CHECK |
| Gear and Hydraulic Pressure | CHECK |

Before Taxi Checklist

| | |
|---------------------|-----------------|
| Nav Lights | ON |
| Altimeter | SET |
| Heading Indicator | SET |
| Radios and Avionics | CHECKED and SET |
| Autopilot | SET and OFF |
| Fuel Selectors | FULLEST TANKS |

RUNUP Section

| | |
|------------|------------------------------------------------------|
| Throttle | 1500 RPM |
| Props | EXERCISE |
| Feathering | CHECK (un-feather after 200 rpm drop) |
| Generators | CHECK |
| Magnetos | CHECK <100 rpm drop on each; <40 rpm drop between |
| Throttle | 1000 RPM |

| | |
|-------------|-------------------|
| Instruments | NORMAL OPERATION |
| De-Ice | AS REQUIRED |
| Tail Wheel | UNLOCKED FOR TAXI |

Request Taxi Clearance

Taxi Checklist

| | |
|-------------------------|--------------------------|
| Parking Brake | RELEASE |
| Taxi to assigned runway | SPEED Max. 20 knots |
| Brakes | CHECK during taxi |
| Directional Gyro | PROPER IND. during turns |
| Turn Coordinator | PROPER IND. during turns |
| Artificial Horizon | ERECT during turns |

Before Take-off Checklist

| | |
|---------------------|--------------------------|
| Parking Brake | SET |
| Landing Lights | ON |
| Throttle | IDLE |
| Propeller | HIGH RPM |
| Mixture | AUTO RICH |
| Pitot Heat | ON |
| Carb Heat / De-Ice | AS REQUIRED |
| Fuel Booster Pumps | ON |
| Flight Controls | FREE AND CORRECT |
| Cowl Flaps | OPEN HALFWAY |
| Elevator Trim | SET for takeoff (Center) |
| Engine Instruments | CHECK |
| Radios and Avionics | SET |
| Transponder | ON |
| Tail Wheel | LOCKED |

Request Takeoff Clearance

Take-off Checklist

| | | |
|-----------------------------|---------------------------------------------------|-----|
| Smoothly increase thrust to | FULL | 48" |
| Propeller | 2750 RPM | |
| Brakes | RELEASE | |
| At 45 kts | apply forward yoke until tail lifts to horizontal | |
| V1 = | 80 KIAS (descision) | |
| Vr = | 85 KIAS (rotate) | |
| At Positive Climb Rate | RETRACT Landing Gear | |
| Trim for climb to maintain | 105 KIAS | 35" |
| Propeller | 2350 RPM | |
| Engine Instruments | CHECK | |

Climb-out Checklist

| | | |
|--------------------|---------------|-----|
| Autopilot | CHECK and SET | |
| Airspeed | 120 KIAS | 38" |
| Propeller | 2350 RPM | |
| Climb Rate | 500 fpm | |
| Landing Lights | OFF | |
| Fasten Seatbelts | OFF | |
| No Smoking Sign | OFF | |
| Fuel Booster Pumps | OFF | |
| Carb Heat | AS REQUIRED | |
| Engine Instruments | MONITOR | |
| ATC | AS REQUIRED | |

Cruise Checklist

| | | |
|----------------------------|---------------|--------|
| Accelerate to cruise speed | 140-150 KIAS | 28-30" |
| Propeller | 2350 RPM | |
| Typical Cruise Altitude | 10'000 ft | |
| Engine+Instruments | CHECK | |
| Cowl Flaps | CLOSED | |
| Fuel Quantity | CHECK | |
| Radios | TUNED and SET | |
| Autopilot | CHECK and SET | |
| Lights | as required | |
| Engine Instruments | CHECK | |

Descent Checklist

| | | |
|---------------|-------------------------|-----|
| Altimeter | CHECK / SET | |
| Radios | SET | |
| Descent Speed | 140 KIAS | 20" |
| Propeller | 2050 RPM | |
| Descent Rate | -500fpm | |
| Flaps | CHECK UP | |
| Landing Gear | CHECK UP | |
| Fuel Balance | CHECK | |
| Tail Wheel | LOCKED | |
| Carb Heat | AS REQUIRED | |
| Check Weather | (ATIS, Flight Services) | |