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We do **not** advise the use of these checklists because the built in checklist system is easier, more reliable and more realistic (as it assumes the role of co-pilot).

PRE-START:

- CONTROL LOCKS OFF
- PARKING BRAKE SET
- HANDLES IN
- EMERGENCY FUEL SWITCHES NORMAL
- EMERGENCY PUMPS OFF
- FUEL SELECTOR NORMAL
- BOOST PUMPS OFF
- STATIC SOURCE NORMAL
- VENT FAN OFF
- INVERTER SWITCH SELECT 1 or 2
- DE-ICING SWITCHES OFF
- CABIN LIGHTING AND SIGNS SET
- BEACON ON
- BLEED AIR SWITCHES OFF
- PITOT HEAT OFF
- GENERATOR SWITCHES OFF
- BUS TIE SWITCH NORMAL
- FLAP HANDLE UP
- FUEL LEVERS OFF
- PROPELLER LEVERS FULL FORWARD
- POWER LEVERS FLIGHT IDLE
- WINDSHIELD HEAT & WIPERS OFF
- LANDING LIGHTS OFF
- IGNITION SWITCH NORMAL
- D.C. MASTER ON
- EXTERNAL/BATTERY SWITCH BATTERY
- BUS VOLTAGE CHECKED (18 V Minimum)
- CAUTION LIGHTS CHECKED
- FIRE DETECTION TEST
- FIRE BELL MUTE ON then OFF
- FUEL QUANTITY CHECKED
- FUEL QUANTITY INDICATORS CHECKED

CROSSFEED CHECK:

- BOOST PUMPS ON
- FUEL SELECTOR BOTH ON FWD
- BOOST PUMP 1 FWD PRESS light: OUT
- BOOST PUMP 2 FWD PRESS light: OUT
- BOOST PUMP 1 AFT PRESS light: ON
- BOOST PUMP 2 AFT PRESS light: ON
- FUEL SELECTOR BOTH ON AFT
- BOOST PUMP 1 AFT PRESS light: OUT
- BOOST PUMP 2 AFT PRESS light: OUT
- BOOST PUMP 1 FWD PRESS light: ON
- BOOST PUMP 2 FWD PRESS light: ON
- BOOST PUMPS OFF

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EMERGENCY PUMPS CHECK:

- STDB BOOST PUMP EMER FWD..... ON
- BOOST PUMP 1 FWD PRESS light: ON
- BOOST PUMP 2 FWD PRESS light: OUT
- STDB BOOST PUMP EMER FWD..... OFF
- STDB BOOST PUMP EMER AFT ON
- BOOST PUMP 1 AFT PRESS light: ON
- BOOST PUMP 2 AFT PRESS light: OUT
- STDB BOOST PUMP EMER AFT OFF

BOOST PUMPS TEST:

- BOOST PUMP FWD TEST
- BOOST PUMP 1 FWD PRESS LIGHT: ON
- BOOST PUMP 2 FWD PRESS LIGHT: OUT
- BOOST PUMP AFT TEST
- BOOST PUMP 1 AFT PRESS LIGHT: ON
- BOOST PUMP 2 AFT PRESS LIGHT: OUT
- BRAKE/HYD. PRESSURES CHECKED

ENGINE START:

- FUEL LEVERS OFF
- PROP LEVERS FULL FORWARD
- POWER LEVERS IDLE
- BOOST PUMP FWD & AFT..... ON
- START SWITCH ENGINE RIGHT
- FUEL LEVER ON (Ng>12%)
- START SWITCH ENGINE LEFT
- FUEL LEVER ON (Ng>12%)
- GENERATOR LEFT & RIGHT ON (Check Load<0.5)

AFTER ENGINES START:

- COMPASS & GYROS CHECK
- CAUTION LIGHTS..... CHECK (Only PNEUMATIC LOW PRESS should be lit)
- ALTIMETER & CLOCKS..... SET

TAXI CHECKS:

- SIGNS As Req
- BRAKES CHECK
- NOSEWHEEL STEERING..... CHECK
- GYROS..... CHECK

RUN-UP:

- PARKING BRAKE..... SET

PROP FEATHER CHECK:

- PROP LEVERS RETARD TO FEATHER (N appr. at 23%)
- PROP RESET light: ON
- PROP LEVERS FULL FORWARD

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BETA RANGE CHECK:

- POWER LEVERS RETARD INTO BETA RANGE
- BETA RANGE LEFT & RIGHT light: ON

BETA BACKUP TEST:

- POWER LEVERS IDLE
- PROP LEVERS FULL FORWARD
- POWER LEVER LEFT RETARD INTO BETA RANGE
- BETA RANGE LEFT light: ON
- BETA RANGE TEST switch ON
- BETA RANGE LEFT light: 2 Cycles
- BETA DISARM light: 2 Cycles
- BETA RANGE TEST switch OFF
- POWER LEVER LEFT..... IDLE
- POWER LEVER RIGHT..... RETARD INTO BETA RANGE
- BETA RANGE RIGHT light: ON
- BETA RANGE TEST switch ON
- BETA RANGE RIGHT light: 2 Cycles
- BETA DISARM light: 2 Cycles
- BETA RANGE TEST switch OFF
- POWER LEVER RIGHT..... IDLE

PROP OVERSPEED TEST:

- POWER LEVERS IDLE
- PROP LEVERS FULL FORWARD
- PROP GOV TEST switch ON
- POWER LEVERS ADVANCE (NP governs at appr. 70%)

AUTO FEATHER TEST:

- POWER LEVERS IDLE
- PROP LEVERS FULL FORWARD
- AUTO FEATHER ON
- SELECT light: ON
- POWER LEVERS ADVANCE to 25 PSI Torque
- AUTO FEATH TEST switch ON
- ARM light: ON
- POWER LEVER LEFT..... IDLE (Left Prop feathers)
- ARM light: OUT
- POWER LEVER RIGHT..... IDLE (Right Prop must NOT feather Left Prop un-feathers)
- PROP LEVERS ADVANCE to 25 PSI Torque
- AUTO FEATH TEST switch ON
- ARM light: On
- POWER LEVER RIGHT..... IDLE (Right Prop feathers)
- ARM light: OUT
- POWER LEVER LEFT..... IDLE (Left Prop must NOT feather, Right Prop un-feathers)
- AUTO FEATH TEST switch OFF
- POWER LEVER LEFT..... ADVANCE to 88% Ng
- ARM light: OUT
- POWER LEVER RIGHT..... ADVANCE to 88% Ng
- ARM light: ON
- POWER LEVER LEFT..... IDLE
- ARM light: OUT
- POWER LEVER RIGHT..... IDLE
- AUTO FEATHER As Req

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POWER LEVER MICRO SWITCH TEST:

- POWER LEVERS IDLE
- PWR LEV TEST button PRESS
- PWR LEV TEST button light: ON

ANTI-ICE SYSTEM TEST:

- POWER LEVERS IDLE+15% Ng (Slightly forward)
- BLEED AIR LEFT & RIGHT ON
- PNEUMATIC LOW PRESS light: OUT
- DE-ICE BOOTS AUT/OFF/MAN MAN
- INNER/OUTER WING TOGGLE
- LEFT/RIGHT STAB TOGGLE
- STAB DE-ICE PRESS light Left and Right: .. On
- DE-ICE BOOTS AUT/OFF/MAN As Req.
- POWER LEVERS ADVANCE to 80% Ng
- INTAKE DEFLECTOR EXTEND
- DE-ICE Dollseyes: EXT
- INTAKE DEFLECTOR RETRACT
- DE-ICE Dollseyes: BLANK
- POWER LEVERS IDLE
- BLEED AIR LEFT & RIGHT As Req
- GENERATOR LEFT & RIGHT OFF
- PROP DE-ICE ON Check Battery Load Increase
- PROP DE-ICE OFF
- WINDSHIELD HEAT ON Check Battery Load Increase
- WINDSHIELD HEAT OFF
- GENERATOR LEFT & RIGHT ON

BEFORE TAKE OFF CHECK:

- TRIM TABS SET
- FLAPS 10 DEGREES
- FLIGHT INSTRUMENTS CHECK
- NAV/COM RADIOS CHECK & SET
- PROP LEVERS FULL FORWARD
- AUTO FEATHER ON
- SELECT light: On
- ENGINE INSTRUMENTS CHECK
- BLEED AIR LEFT & RIGHT As Req
- DE-ICE As Req

LINE-UP CHECK:

- FLIGHT CONTROLS FREE MOVEMENT
- TRANSPONDER ON
- LANDING LIGHTS ON
- STROBE LIGHT ON
- CAUTION LIGHTS As Appropriate
- RUNWAY & HEADING CHECK

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AFTER TAKE OFF 400 FEET AGL:

- FLAPS UP
- AUTO FEATHER OFF
- CLIMB POWER SET
- NOSE WHEEL STEERING CENTERED
- YAW DAMPER ON
- SIGNS As Req
- LANDING LIGHTS..... OFF

DESCEND CHECK:

- FUEL QTY/SELECTOR..... CHECK/SET
- HYDRAULIC PRESS..... CHECK
- CAUTION LIGHTS..... CHECK
- DE-ICE As Req
- ALTIMETERS SET

APPROACH CHECK:

- SIGNS ON
- LANDING LIGHTS..... ON

BEFORE LANDING CHECK:

- NOSEWHEEL STEERING..... CENTERED
- YAW DAMPER OFF
- FLAPS SET
- PROP LEVERS FULL FORWARD

AFTER LANDING CHECK:

- FLAPS RETRACTED
- BLEED AIR LEFT & RIGHT OFF
- DE-ICE OFF
- LANDING LIGHTS..... OFF
- STROBE OFF
- TRANSPONDER OFF
- TRIM TABS RESET FOR TAKE OFF

SHUT DOWN CHECK:

- PARK BRAKE SET
- RADIOS..... OFF
- POWER LEVERS IDLE
- PROP LEVERS FEATHER
- GENERATORS OFF
- FUEL LEVERS OFF
- BOOST PUMPS OFF
- LIGHTS..... OFF ALL
- EXTERNAL/BATTERY SWITCH OFF
- D.C. MASTER OFF
- CONTROL LOCKS ON