

BEFORE STARTING ENGINE

CHECK LIST

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. PRE-FLIGHT INSPECTION 2. PASSENGERS 3. RUDDER PEDALS 4. FLIGHT CONTROLS 5. SAFETY HARNESES 6. REAR DOOR 7. FRONT CANOPY 8. TRIM WHEEL 9. FUEL VALVE 10. POWER LEVER 11. ALTERNATE AIR 12. ALTERNATE STATIC VALVE 13. CIRCUIT BREAKERS 14. GPS, Transponder 15. AVIONIC MASTER SWITCH 16. ESSENTIAL BUS SWITCH 17. MASTER SWITCH (BAT) 18. ANNUNCIATOR PANEL 19. ACKNOWLEDGE BUTTON 20. FUEL 21. NAV LIGHT | <p>COMPLETE
INSTRUCTED
SET AND ADJUSTED
FREE MOVEMENT
FASTENED
CLOSED AND LOCKED
POSITION 1 or 2 (“Cooling Gap“)
SET T/O
NORMAL
IDLE
CLOSED
CLOSED
Check
OFF
OFF
OFF
ON
TEST
PRESS
CHECK
ON</p> |
|---|--|

STARTING ENGINE

PROCEDURE

- | | |
|--|---|
| <ol style="list-style-type: none"> 1) POWER LEVER 2) ENGINE MASTER 3) ELECTRIC MASTER 4) OIL PRESSURE 5) WARM UP 6) Annunciator panel 7) Engine instruments | <p>IDLE
ON - wait until GLOW indication extinguishes
START
CHECK
IDLE for 2 minutes
Check
Check</p> |
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AFTER START-UP

CHECK LIST

- | | |
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| <ol style="list-style-type: none"> 1. AVIONIC MASTER 2. AUDIO PANEL 3. GPS 4. TRANSPONDER 5. FLAPS | <p>ON
ON
ON
SBY
CHECK</p> |
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BEFORE TAXIING

CHECK LIST

- | | |
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| <ol style="list-style-type: none"> 1. PARKING BRAKE 2. BREAKES 3. TRANSPONDER 4. TAXI LIGHT | <p>RELEASE
Test
GND
ON</p> |
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ENGINE CHECK

PROCEDURE

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| <ol style="list-style-type: none"> 1) POWER LEVER 2) ECU TEST 3) Caution lights (ECU A, ECU B) 4) ECU BACKUP UNSAFE'-light 5) Caution lights 6) ECU BACKUP UNSAFE'-light 7) ECU TEST 8) ECU SWAP 9) ENGINE 10) ECU SWAP 11) PITOT | <p>IDLE
PRESS AND HOLD
BLINKING
BLINKING
EXTINGUISHED
EXTINGUISHED
RELEASE
ECU B
Check running without a change
AUTOMATIC
ON, check (then OFF, if not required)</p> |
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BEFORE TAKE-OFF	CHECK LIST
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|--------------------------|---------------------|
| 1. FLAPS | T/O, CHECK |
| 2. CAUTION LIGHTS | EXTINGUISHED |
| 3. STROBE LIGHT | ON |
| 4. LANDING LIGHT | ON |
| 5. TRANSPONDER | ALT |

TAKE-OFF	PROCEDURE
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|-------------------------|-------------------------|
| 1) LANDING LIGHT | ON |
| 2) POWER LEVER | MAX |
| 3) V_R | 59 KT PRI 1150KG |
| | 55 KT PRI 1000KG |
| | 49 KT PRI 850 KG |

AIRBORNE	200 ft AGL
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|-----------------------|-------------|
| 1. CLIMB SPEED | 70KT |
| 2. POWER LEVER | 92% |
| 3. FLAPS | UP |
| 4. LANDING LIGHT | OFF |

DESCENT	PROCEDURE
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|-----------------------|-----------------------|
| 1. POWER LEVER | AS REQUIRED |
| 2. SAFETY HARNESSSES | FASTENED |
| 3. FUEL | CHECK QUANTITY |

APPROACH	CHECK LIST
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- | | |
|-----------------|-----------------|
| 1. SPEED | 100 KT |
| 2. FLAPS | T/O |
| 3. SPEED | REDUSE TO 85 KT |
| 4. FLAPS | LDG |
| 5. TRIM | As required |

- | | |
|-------------------------|-----------|
| 6. LANDING LIGHT | ON |
|-------------------------|-----------|

LANDING	PROCEDURE
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- | | |
|-----------------------|--------------------|
| 1. POWER LEVER | AS REQUIRED |
| 2. APPROACH SPEED | 71 KT 1150 KG |
| | 67 KT 1092 KG |
| | 63 KT 1000 KG |
| | 58 KT 850 KG |

GO-AROUND	POSTUP
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|-----------------------|--------------|
| 1. POWER LEVER | MAX |
| 2. SPEED | 70 KT |
| 3. FLAPS | T/O |
| 4. SPEED | 75 KT |
| 5. FLAPS | UP |

AFTER LANDING

CHECK LIST

- | | |
|------------------------|------------|
| 1. PITOT HEATING | OFF |
| 2. STROBE LIGHT | OFF |
| 3. TRANSPONDER | GND / SBY |
| 4. FLAPS | UP |

ENGINE SHUT-DOWN

CHECK LIST

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|-------------------------|--------------------|
| 1. BREAKES | AS REQUIRED |
| 2. POWER LEVER | IDLE 2 MIN |
| 3. GPS | OFF |
| 4. AUDIO PANEL | OFF |
| 5. TRANSPONDER | OFF |
| 6. AVIONIC MASTER | OFF |
| 7. ENGINE MASTER | OFF |
| 8. ELECTRIC MASTER | OFF |

LIMITATION

NEVER EXCEED SPEED	V_{NE}	178 kt
MANEUVERING SPEED	V_{NO}	108 kt
MAX. FLAPS EXTENDED SPEED	V_{FE}	108 kt T/O
	V_{FE}	94 kt LDG
MAX. STRUCTURAL CRUISING SPEED	V_C	129 kt
MAX. CROSSWIND COMPONENT		20 kt
STALL SPEEDS	(FLAPS UP) V_{s1}	52 kt
	(FLAPS T/O) V_{s1}	51 kt
	(FLAPS LDG) V_{s0}	49 kt
MAXIMUM TAKE-OFF WEIGHT		1150 kg

POWER SETTING

	LOAD	TIME LIMITATION
MAX. TAKE-OFF POWER	100%	max. 5 min.
MAX. CONTINUOUS POWER	92%	unlimited
MAX. CRUISE POWER	75%	unlimited
CRUISE POWER ECONOMY	70%	unlimited