**Lockheed L-1011 Tri-Star Manual and Checklist**

LOCKHEED 1011 REFERENCE INFORMATION

Maximum Takeoff Weight - 430,000 lbs.
Maximum Landing Weight - 358,000 lbs.
Maximum Zero Fuel Wt. - 325,000 lbs.

Maximum takeoff altitude - 10,000 feet.
Maximum cruise altitude - 42,000 feet
Maximum takeoff temperature - 50 degrees Celsius
Maximum tailwind for takeoff - 10 knots
Maximum tailwind for landing - 10 knots

Max Takeoff - 99.5% N1, 95% N3, 728 TGT
Max Continuous - 101% N1, 93.7% N3, 700 TGT
Max Reverse - 90% N1, 685 TGT

NOTE: To adjust fuel load, on the Aircraft menu, click Fuel.

Max landing fuel load
Tanks 1 & 4 - 6,700 lbs each
Total in tanks 1 & 4 - 13,400 lbs
Total in tanks 2 & 3 - 13,400 lbs

Flight load acceleration limits
2.50 G's (flaps UP)
2.00 G's (flaps DOWN)

VMO - Maximum Operating Speed (airspeed)
0.9 Mach

VLO - Maximum Gear Operating Speed
300 KIAS (Extension)
230 KIAS (Retraction)

VLE - Maximum Landing Gear Extended Speed
300 KIAS

VFE - Maximum Flaps Extended Speed
4 - 250 KIAS
10 - 230 KIAS
18 - 210 KIAS
22 - 205 KIAS
33 - 170 KIAS
42 - 164 KIAS

Landing light operation max speed
261 KIAS

V-Speeds - TAKEOFF
Weight 10 18 22
V1 V2 V1 V2 V1 V2
430 155 161 148 155 146 153
420 153 159 146 154 144 151
400 148 156 142 151 140 148
380 143 153 138 148 136 145
360 137 150 133 145 131 142
340 131 147 128 142 127 139
320 126 129 122 139 120 136
300 119 140 116 135 115 133
280 113 137 109 132 108 130

V-Speeds - LANDING

Weight 42 33
VRef VRef
420 147 156
410 146 154
400 144 152
390 143 150
380 142 148
370 140 146
358 138 144
350 137 141
340 135 139
330 134 137
320 132 135
310 130 133
300 128 130
290 126 128
280 124 126
270 122 123
260 119 121

Maneuvering Speeds - LANDING

Flaps Speed
0 VREF + 60
4 VREF + 40
10 VREF + 30
18 VREF + 20
22 VREF + 20
33 VREF
42 VREF

NOTE: For explanations of speeds used on this tab, see "V-speeds" in the Glossary section of Help.

LOCKHEED L-1011 TRISTAR PROCEDURES

For suggested speeds, see the Reference tab.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
BEFORE ENGINE STARTING

[ ] Master Radio Switches -- ON
[ ] Warning lights -- CHECKED
[ ] Seat Belt & No Smoking Sign -- ON
[ ] Autoflight system -- OFF
[ ] Instruments -- CHECKED
[ ] Altimeters -- CHECKED & SET
[ ] Landing Gear -- DOWN & 3 GREEN
[ ] Parking Brakes -- SET
[ ] Speed Brake Lever -- FORWARD
[ ] Flap Lever -- WITH INDICATOR
[ ] Fuel and Ignition Switches -- OFF
[ ] Fuel Oil & Hydraulic Qty. -- CHECKED
[ ] Anti-Collision Lights -- ON
(Before engine start)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
BEFORE TAXI

[ ] Gear Pins -- 3 REMOVED
[ ] Pitot Heat -- ON

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TAXIING

[ ] Engine Anti-Ice -- SET
[ ] Flaps/Slats -- SET
[ ] Trim -- SET
[ ] Flight Controls and Speedbrakes -- CHECKED
[ ] Auto Thrust Mgmt System -- AUTO
[ ] Continuous Ignition -- ON
[ ] Strobe Lights -- ON
[ ] Transponder -- ON

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AFTER TAKEOFF

[ ] Landing Gear -- UP (WHEN POSITIVE CLIMB ESTABLISHED)
(press G)
[ ] Flaps -- UP
[ ] Continuous Ignition -- OFF
[ ] Seat Belt - No Smoking -- AS REQUIRED
[ ] Landing Lights -- OFF
[ ] APU -- OFF

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DESCENT

[ ] Anti-Ice -- SET
[ ] Seat Belt Sign -- ON
[ ] Altimeters -- SET AND CHECKED
[ ] Power -- AS REQUIRED
(press F2 or F3 as necessary)

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BEFORE LANDING

[ ] Continuous Ignition -- ON
[ ] No Smoking Sign -- ON
[ ] Landing Gear -- DOWN AND 3 GREEN
(press G)
[ ] Flaps -- AS REQUIRED
[ ] Speedbrake Lever -- CHECKED

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AFTER LANDING

[ ] Wing flaps -- UP
[ ] Spoilers -- DOWN
[ ] Anti-ice -- OFF
[ ] Continuous Ignition -- OFF
[ ] Landing Lights & Strobes -- OFF
[ ] Auto Thrust Mgmt System -- OFF
[ ] APU -- AS REQUIRED

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
SHUTDOWN AND SECURING

[ ] Master Radio Switches -- OFF
[ ] Exterior Lighting -- AS REQUIRED
[ ] Parking Brake -- SET
(press SHIFT+PERIOD key)
[ ] Seat Belt Sign -- OFF
[ ] Battery and Generator Switches -- OFF (below 15% N1)

NOTE: This aircraft's real-world checklists have been modified for use with Flight Simulator 2000. To learn about using, printing, and customizing checklists: in the "Getting From Here to There" section of Simulator Help, click "Using the Kneeboard."

Mark "Dark Moment" Beaumont