**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  
  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
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  
  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
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  
  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
DESCENT  
  
[ ] Anti-Ice -- SET  
[ ] Seat Belt Sign -- ON  
[ ] Altimeters -- SET AND CHECKED  
[ ] Power -- AS REQUIRED  
(press F2 or F3 as necessary)  
  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
BEFORE LANDING  
  
[ ] Continuous Ignition -- ON  
[ ] No Smoking Sign -- ON  
[ ] Landing Gear -- DOWN AND 3 GREEN  
(press G)  
[ ] Flaps -- AS REQUIRED  
[ ] Speedbrake Lever -- CHECKED  
  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
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