# PRESTART CHECK

Crew and passenger doors	-Secured
Seat and pedals	-Adjust
Seat and shoulder harness	
Inertial reel	-Checked
Flight controls	-Freedom of movement
Cyclic	-Centered, friction OFF
Collective	-Full down
Xmsn chip detectors	-Check (if equipped)
Lower pedestal CBs	-IN
Collective switches	-OFF
Hydraulic switches	-ON
Force trim	-ON
GOV switches	
PART SEP switches	-NORM
FUEL switches	-OFF
BOOST PUMPS	
FUEL XFEED	
FUEL INTCON	
Radios	
FIRE EXT switch	-OFF
FIRE PULL handles	
Instruments	
Altimeter	
Clock	
AFT DOME LT rheostat / switch	-OFF
Pitot heat	-OFF
WIPERS	
CARGO REL	
VENT BLWR	-OFF
VEIVI BEVIL	011-/2 /////
HEAT AFT OUTLET	-OFF 1/ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
HEAT AFT OUTLET	
SYSTEM SELECTER	-OFF 6
SYSTEM SELECTERNAV AC (if installed)	-OFF -NORM
SYSTEM SELECTER	-OFF -NORM -IN
SYSTEM SELECTER	-OFF -NORM -IN -OFF
SYSTEM SELECTER	-OFF -NORM -IN -OFF -OFF
SYSTEM SELECTER	-OFF -NORM -IN -OFF -OFF
SYSTEM SELECTER	-OFF -NORM -IN -OFF -OFF -OFF
SYSTEM SELECTER	-OFF -NORM -IN -OFF -OFF -OFF -OFF -NORM
SYSTEM SELECTER	-OFF -NORM -IN -OFF -OFF -OFF -NORM -OFF
SYSTEM SELECTER	-OFF -NORM -IN -OFF -OFF -OFF -NORM -OFF
SYSTEM SELECTER  NAV AC (if installed)  Overhead CBS	-OFF -NORM -IN -OFF -OFF -OFF -NORM -OFF
SYSTEM SELECTER	-OFF -NORM -IN -OFF -OFF -OFF -NORM -OFF
SYSTEM SELECTER	-OFF -NORM -IN -OFF -OFF -OFF -NORM -OFF -Connect
SYSTEM SELECTER	-OFF -NORM -IN -OFF -OFF -OFF -NORM -OFF -Connect -ON -Check 24±1 VDC
SYSTEM SELECTER	-OFF -NORM -IN -OFF -OFF -OFF -OFF -Connect -ON -Check 24±1 VDC -ON
SYSTEM SELECTER	- OFF -NORM -IN - OFF - OFF - OFF - NORM - OFF - Connect - ON - Check 24±1 VDC - ON - Check 104 to 122 VAC
SYSTEM SELECTER	- OFF -NORM -IN - OFF - OFF - OFF - NORM - OFF - Connect - ON - Check 24±1 VDC - ON - Check 104 to 122 VAC
SYSTEM SELECTER  NAV AC (if installed)  Overhead CBS	-OFF -NORM -IN -OFF -OFF -OFF -NORM -OFF -Connect -ON -Check 24±1 VDC -ON -Check 104 to 122 VAC -TEST
SYSTEM SELECTER	-OFF -NORM -IN -OFF -OFF -OFF -OFF -NORM -OFF -Connect -ON -Check 24±1 VDC -ON -Check 104 to 122 VAC -TEST -Press to test
SYSTEM SELECTER	-OFF -NORM -IN -OFF -OFF -OFF -OFF -OFF -Connect -ON -Check 24±1 VDC -ON -Check 104 to 122 VAC -TEST -Press to test -Press to test
SYSTEM SELECTER	-OFF -NORM -IN -OFF -OFF -OFF -OFF -OFF -Connect -ON -Check 24±1 VDC -ON -Check 104 to 122 VAC -TEST -Press to test -Press to test -LEFT then RIGHT
SYSTEM SELECTER	-OFF -NORM -IN -OFF -OFF -OFF -OFF -OFF -Connect -ON -Check 24±1 VDC -ON -Check 104 to 122 VAC -TEST -Press to test -Press to test -LEFT then RIGHT -Check lights
SYSTEM SELECTER	-OFF -NORM -IN -OFF -OFF -OFF -OFF -OFF -Connect -ON -Check 24±1 VDC -ON -Check 104 to 122 VAC -TEST -Press to test -Press to test -LEFT then RIGHT
SYSTEM SELECTER  NAV AC (if installed)  Overhead CBS	-OFF -NORM -IN -OFF -OFF -OFF -OFF -OFF -OFF -OFF -Connect -ON -Check 24±1 VDC -ON -Check 104 to 122 VAC -TEST -Press to test -Press to test -LEFT then RIGHT -Check lights TEST and RESET
SYSTEM SELECTER  NAV AC (if installed)  Overhead CBS	-OFF -NORM -IN -OFF -OFF -OFF -OFF -OFF -NORM -OFF -Connect -ON -Check 24±1 VDC -ON -Check 104 to 122 VAC -TEST -Press to test -Press to test -Press to test -Check lights -Check lights -Full open, idle, closed
SYSTEM SELECTER  NAV AC (if installed)  Overhead CBS	-OFF -NORM -IN -OFF -OFF -OFF -OFF -OFF -NORM -OFF -Connect -ON -Check 24±1 VDC -ON -Check 104 to 122 VAC -TEST -Press to test -Press to test -Press to test -Check lights -Check lights -Full open, idle, closed
SYSTEM SELECTER  NAV AC (if installed)  Overhead CBS	-OFF -NORM -IN -OFF -OFF -OFF -OFF -OFF -NORM -OFF -Connect -ON -Check 24±1 VDC -ON -Check 104 to 122 VAC -TEST -Press to test -Press to test -Press to test -Check lights -Check lights -Full open, idle, closed
SYSTEM SELECTER  NAV AC (if installed)  Overhead CBS	-OFF -NORM -IN -OFF -OFF -OFF -OFF -OFF -NORM -OFF -Connect -ON -Check 24±1 VDC -ON -Check 104 to 122 VAC -TEST -Press to test -Press to test -Press to test -Check lights -Check lights -Full open, idle, closed
SYSTEM SELECTER  NAV AC (if installed)  Overhead CBS	-OFF -NORM -IN -OFF -OFF -OFF -OFF -OFF -OFF -ORM -OFF -Connect -ON -Check 24±1 VDC -ON -Check 104 to 122 VAC -TEST -Press to test -Press to test -Press to test -LEFT then RIGHT -Check lights TEST and RESET -Full open, idle, closed -DECR for 8 seconds
SYSTEM SELECTER	-OFF -NORM -IN -OFF -OFF -OFF -OFF -OFF -OFF -OFF -Connect -ON -Check 24±1 VDC -ON -Check 104 to 122 VAC -TEST -Press to test -Press to test -Press to test -LEFT then RIGHT -Check lights TEST and RESET -Full open, idle, closed -DECR for 8 seconds
SYSTEM SELECTER  NAV AC (if installed)  Overhead CBS	-OFF -NORM -IN -OFF -OFF -OFF -OFF -OFF -OFF -OFF -Connect -ON -Check 24±1 VDC -ON -Check 104 to 122 VAC -TEST -Press to test -Press to test -Press to test -EFT then RIGHT -Check lights TEST and RESET -Full open, idle, closed -DECR for 8 seconds -ON -ON, check pressure

## **TAKEOFF CHECK**

Hover height	4 feet
Hover Q	Check
C of G	Check
Controllability	Check

#### IN-FLIGHT OPERATIONS / DESCENT AND LANDING / COCKPIT CHECK

Throttles	FULL
NR	100%
Temps and Press	Check within operating limits
Fuel quantity	1 0
Caution panel	
Force trim	OFF

## **ENGINE SHUTDOWN**

Force trim	ON
Throttles	Idle
ITT	Stabilize one minute
Throttles	Closed
N1 and ITT	Check decreasing
GEN 1 and 2	
INV 1, 2, and 3	OFF
FUEL switches	OFF
BOOST PUMPS	OFF
Radios	OFF
BATT 2	OFF
	W.E.

#### START MALFUNCTIONS

#### **HOT START**

Throttle	CLOSED
START Switch	Engage
FUEL VALVE	OFF
BOOST PUMP	OFF
START Switch	OFF when ITT within limits
Engine	Shutdown

### **FAILURE TO LIGHT**

If engine fails to light off within 15 seconds of the introduction of fuel

IDLE STOP REL	Actuate
START Switch	OFF
BOOST PUMP Switch	OFF
FUEL Switch	OFF

After N1 is zero, allow 30 seconds for fuel to drain, and then conduct a dry motoring run.

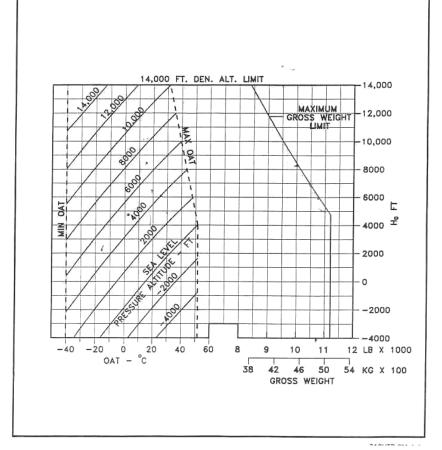
#### DRY MOTORING RUN

Throttle	CLOSED
BOOST PUMP Switch	OFF
FUEL Switch	ON
ENG IGN SYS CB	Pulled
START Switch	Engage for 15 seconds
FUEL Switch	OFF
BOOST PUMP	OFF
ENG IGN SYS CB	IN

Observe starter limits

	TWIN ENGINE TAKEOFF CLIMBOUT SPEED - KIAS						
H <sub>D</sub> (ft)			GRO	SS WEIGHT	(lbs)		
I ID (II)	7000	8000	9000	10000	10500	11000	11200
0	30	30	30	35	38	40	40
1000	30	30	30	35	38	40	40
2000	30	30	30	35	38	40	40
3000	30	30	30	36	38	40	42
4000	30	30	32	36	40	42	42
5000	30	30	32	38	40	42	-
6000	30	30	34	38	42	-	-
7000	30	30	34	40	42	-	-
8000	30	30	34	40	-	-	-
9000	30	30	36	-	-	-	-
10000	30	32	36	-	-	-	-
11000	30	32	38	-	-	-	-
12000	30	34	38	-	-	-	-
13000	30	34	-	-	-	-	-
14000	30	36	-	-	-	-	-

NOTE: ALLOWABLE GROSS WEIGHTS OBTAINED FROM THIS CHART MAY EXCEED CONTINUOUS HOVER CAPABILITY UNDER CERTAIN AMBIENT CONDITIONS. REFER TO HOVER CEILING CHARTS IN SECTION 4



212 :: 3/4 (V 2.0)