Cockpit Location		Description
PRIOR TO ENGINE START		
Cyclic Control Stick	***1***	Check Parking Brake on
Collective Control Stick	***2***	Check Collective in full down position
Wall Panel	***3***	Switch BATT 1 on and recap
	4	Switch BATT 2 on and recap
	5	Switch INT.COM on
CONTACT GROUND CREW TO REQUEST GROUND POWER AND REFUEL, IF REQUIRED		
	6	Switch EXT DC and EXT AC on
Rear Auxiliary Panel	***7***	Switch EKRAN HYD TRANS PWR to OPER and recap
Left Front Panel	***8***	Press MWL twice to reset master warning and start EKRAN self-test
	9	Press Warning, Cautions and Advisory lamps test button
Wall Panel	***10***	Switch Lights on as required
Rear Auxiliary Panel	***11***	Switch INU HEAT to ON
	12	Switch INU to INU
Wall Panel	***13***	Switch STANDBY SAI ON
	14	Switch NAV on
Left Console	***15***	Switch K-041 on
Right Console	***16***	Switch NAV Dial to OPER
Right Front Panel	***17***	Switch ABRIS on
	18	After ABRIS boot-up, press NAV, MAP, Adjust Scale + - and then press NAV to exit to main menu
Rear Auxiliary Panel	***19***	Switch UV-26 OPER to ON and recap
UV-26 Panel	***20***	Set countermeasure program as desired
Rear Auxiliary Panel	***21***	Switch LWS L-140 on and wait for green light confirmation
	22	Press LWS L-140 TEST button and confirm Master Warning and LWR Panel lit up
Left Front Panel	***23***	Press MWL to reset Master Warning light
Laser Warning Receiver	***24***	Press Reset button
Wall Panel	***25***	Switch Fire Extinguisher Arming Switch to TEST
	26	Click Fire Warning Sensor Group BIT selector GR1 and confirm warning lights lit
	27	Switch Fire Monitoring and Alarm System switch OFF and then back to WARN
	28	Repeat test for Fire Warning Sensor Group BIT selectors GR2 and GR3
	29	Switch Fire Extinguisher Arming Switch to OPER and recap
	30	Switch VHF-1 and VHF-2 on
Rear Auxiliary Panel	***31***	Press BETTY VOICE TEST MESS button
CONTACT TOWER, REQUEST ENGINE START-UP		
Door Handle	***32***	Close door
Wall Panel	***33***	Switch FUEL-QTY on
Right Front Panel	***34***	Press Fuel Gauge Test button
Wall Panel	***35***	Open APU Fuel Shutoff Valve and confirm APU VLV OPEN lit on the APU control panel
	36	Switch on FWD and AFT Fuel Pumps and confirm FWD and AFT TANK PUMP lights on
Left Console	***37***	Switch Engine Selector Switch to APU
	38	Confirm Starter Mode Switch set to START
	39	Press START to start APU
APU Control Panel	***40***	Confirm APU OIL PRESS NORM and APU ON lights are on and APU EGT stabilizes around 600º
Left Console	***41***	Release the rotor brake
Wall Panel	***42***	Open the LEFT FUEL SHUTOFF VLV, recap and confirm LH VLV CLOSED light off
	43	Switch LH EEG on and recap
Left Console	***44***	Switch Engine Selector Switch to LH
	45	Press START to start left engine and confirm START VLV lit on start panel
	46	When engine 1 RPM > 20%, Open LH Engine Cut-off Valve

Cockpit Location		Description
Right Front Panel	***47***	Confirm left engine RPM increases to > 70%
	48	Check EKRAN reports MAIN, LEFT, RIGHT TRANSM OIL PRESS
Wall Panel	***49***	Open the RIGHT FUEL SHUTOFF VLV, recap and confirm RH VLV CLOSED light off
	50	Switch RH EEG on and recap
Left Console	***51***	Switch Engine Selector Switch to RH
	52	Press START to start right engine and confirm START VLV lit on start panel
	53	When engine 2 RPM > 20%, Open RH Engine Cut-off Valve
Right Front Panel	***54***	Confirm right engine RPM increases to > 70%
Left Console	***55***	Press APU SHUTOFF
	56	Switch Engine Selector Switch to APU
Wall Panel	***57***	Close APU Fuel Shutoff Valve and recap
Engine Control Panel	***58***	Switch throttle levers to AUTO position and confirm rotor RPM stabilizes at 86%
Overhead Panel	***59***	If OAT < 5º, Switch ROTOR ANTI-ICE and ENG ANTI-ICE/ DUST PROT on
Wall Panel	***60***	Switch AC SYS GEN LH and RH on
	61	Switch EXT DC off and recap
	62	Switch EXT AC off
Left Console	***63***	Switch SPU-9 Radio to GRND CREW
CONTACT GROUND CREW, SHUT OFF GROUND POWER		
Left Front Panel	***64***	Set Radar altimeter to 10m, press TEST and then set according to flightplan
	65	Set HSI DH/DTA source switch to Manual or Auto, as desired
Wall Panel	***66***	Switch DL on
	67	Switch VHF-TLK on
	68	Switch SA-TLF on
Right Console	***69***	Rotate Datalink Master Mode Dial to COM
	70	Switch NAV Datalink Power on
Left Console	***71***	Switch SPU-9 Radio to VHF-2
	72	Switch HMS on
Centre Console	***73***	Adjust HMS brightness as desired
CONTACT TOWER, REQUEST PERMISSION TO TAXI		
Right Console	***74***	Engage BANK HOLD, PITCH HOLD and HDG HOLD
	75	Switch Altitude Hold mode to RD (Radar)
Wall Panel	***76***	Switch Weapon Control System power on and recap
	77	Switch IFF power on and recap
	78	Switch all three Ejection System switches on
Left Console	***79***	Switch Laser standby switch to LAS
Right Front Panel	***80***	Uncage SAI and set
Cyclic Control Stick	***81***	Release Parking Brake
Flight Controls	***82***	Raise Collective 1/4 of range and Push stick forwards to taxi at < 15 km/h
AT HOLD SHORT POINT, CONTACT TOWER AND REQUEST HOVER OR TAKE-OFF		
Left Front Panel	***83***	Set Altimeter to 0
	84	Set ADI Zero Pitch Trim to 0
Centre Console	***85***	Switch Landing Lights on
PVI-800 Navigation Panel	***86***	Press WPT button
	87	Press number of desired WPT (1-6)
Right Console	***88***	Set Desired Heading (DH) or Desired Track (DT)
Overhead Panel	***89***	Switch PITOT HEAT STA AOA on
Left Front Panel	***90***	Press red button on left side of clock to start mission timer
TAKE OFF		