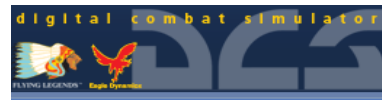


Kamov KA-50 "Black Shark" Normal Checklist



BEFORE START-UP CHECKLIST

CHECK PARKING BRAKE ON.....	CHECKED		-->	LSHIFT+W
BATT 1.....	ON	RECAP	RF MIDDLE	LCTRL+LSHIFT+E
BATT 2.....	ON	RECAP	RF MIDDLE	LCTRL+LSHIFT+W
INTERCOM.....	ON		RF MIDDLE	LALT+LCTRL+Z
LIGHT TEST.....	PRESS/CHECKED		RB	LSHIFT+L
EKRAN/VOICE MESSAGE UNIT TEST.....	PRESS/CHECKED		RB	RALT+RCTRL+V
***** ONLY WHEN USING GROUND POWER *****				
SPU-9 RADIO PANEL.....	HON		?	LALT+LCTRL+/ \-F10-F4-F1
REQUEST GROUND POWER.....	REQUESTED		-->	
DC GROUND POWER.....	ON		RF	LCTRL+LSHIFT+Q
AC GROUND POWER.....	ON		RF	LCTRL+LSHIFT+R
VHF 1.....	ON		RF MIDDLE	RALT+RCTRL+P
VHF 2.....	ON		RF MIDDLE	LALT+LCTRL+P
EKRAN/HYDRAULICS POWER.....	ON	CAP	RB BOTTOM	LCTRL+LSHIFT+N
RESET MASTER WARNING.....	RESET		FRONT L	M
STOPPED ENG EGT GAUGE TEST.....	PRESS/CHECKED		FRONT R	LALT+P
INU HEAT.....	ON		RB MIDDLE	RSHIFT+RALT+I
INU POWER.....	ON		RB MIDDLE	RCTRL+RALT+I
K-041 SHKVAL POWER.....	ON		LF	LSHIFT+D
ABRIS POWER.....	ON		FRONT	RSHIFT+0 (ZERO)
STANDBY ATTITUDE INDICATOR (SAI).....	ON		R MIDDLE	RSHIFT+N
FIRE SUPRESSION SYSTEM TEST.....	SEE BELOW		RF TOP	-
FIRE SUPRESSION SYSTEM.....	OPER	RECAP	RF TOP	LCTRL+LSHIFT+Z
FUEL QTY.....	ON		RF MIDDLE	LCTRL+LSHIFT+H
FUEL METER GAUGE TEST.....	PRESS/CHECKED		FRONT R	LALT+LCTRL+LSHIFT+P
APU SHUTOFF VALVE SWITCH.....	OPEN		RF MIDDLE	RCTRL+RSHIFT+L
FWD BOOSTPUMP.....	ON		RF MIDDLE	LCTRL+LSHIFT+A
AFT BOOSTPUMP.....	ON		RF MIDDLE	LCTRL+LSHIFT+D
INNER BOOSTPUMP.....	IF REQUIRED		RF MIDDLE	LCTRL+LSHIFT+F
OUTER BOOSTPUMP.....	IF REQUIRED		RF MIDDLE	LCTRL+LSHIFT+G
CHECK CROSSFEED ON.....	CHECKED		RF MIDDLE	RCTRL+RSHIFT+;
REQUEST START-UP CLEARANCE.....	REQUESTED		-->	\+F6+F1
CHECK START SELECTOR SWITCH.....	APU/CHECKED		LF	E
APU START.....	PRESS		LF	HOME
CHECK APU STARTUP.....	CHECKED		LB	-
ROTORBRAKE.....	RELEASE		L MIDDLE	LSHIFT+R
COLLECTIVE LOWEST.....	CHECKED		LB	-
CLOSE COCKPIT DOOR.....	CLOSED		-->	RCTRL+C
CHECK SURROUNDINGS A/C.....	CHECKED		-	-
ANTICOLLISION BEACON.....	ON		R MIDDLE	RSHIFT+J
LEFT SHUTOFF VALVE SWITCH.....	OPEN	RECAP	RF MIDDLE	RCTRL+RSHIFT+J
LEFT EEG GOVERNOR.....	ON	RECAP	R MIDDLE	RCTRL+HOME
START SELECTOR SWITCH.....	ENG-LH		LF	E
ENGINE START.....	PRESS		LF	HOME
L-ENG CUT-OFF VALVE LEVER.....	OPEN		L MIDDLE	RCTRL+PAGEUP
CHECK L-ENG RPM INCREASE.....	≥70% RPM		FRONT R	-
CHECK L-ENG TEMP INCREASE.....	CHECKED		FRONT R	-
RIGHT SHUTOFF VALVE SWITCH.....	OPEN	RECAP	RF MIDDLE	RCTRL+RSHIFT+K
RIGHT EEG GOVERNOR.....	ON	RECAP	R MIDDLE	RCTRL+END
START SELECTOR SWITCH.....	ENG-RH		LF	E

ENGINE START.....	PRESS		LF	HOME
R-ENG CUT-OFF VALVE LEVER.....	OPEN		L MIDDLE	RCTRL+PAGEDOWN
CHECK R-ENG RPM INCREASE.....	≥70% RPM		FRONT R	-
CHECK R-ENG TEMP INCREASE.....	CHECKED		FRONT R	-

AFTER ENGAGEMENT CHECKLIST

SHUTDOWN APU.....	PRESS		LF	END
APU SHUTOFF VALVE SWITCH.....	CLOSE	RECAP	RF MIDDLE	RCTRL+RSHIFT+L
UNCAGE SAI.....	TURN KNOB L		FRONT R	-
ADI ZERO PITCH TRIM.....	SET		FRONT L	LALT+LSHIFT+(,)+(.)
RADALT WARNING.....	SET		FRONT L	LSHIFT+(,)+(.)
RADALT TEST.....	CHECKED		FRONT L	LALT+LSHIFT+R
ADI SELF TEST.....	CHECKED		FRONT L	2XLALT+LCTRL+LSHIFT+A
HSI SELF TEST.....	CHECKED		FRONT L	LALT+LCTRL+H
ADF SELF TEST.....	CHECKED		RF MIDDLE?	LALT+LCTRL+T
COLLECTIVE LOWEST.....	CHECKED		LB	-
CHECK CYCLIC MOVEMENT.....	FREE/CHECKED		-	-
CHECK COLLECTIVE MOVEMENT.....	FREE/CHECKED		-	-
CHECK RUDDER MOVEMENT.....	FREE/CHECKED		-	-
ENGINE THROTTLE LEVERS.....	SET AUTO		-->	2X PAGEUP
CHECK ENGINE RPM.....	>80% <100% RPM		FRONT R	-
AL SYS GEN LH.....	ON		RF MIDDLE	LCTRL+LSHIFT+Y
AL SYS GEN RH.....	ON		RF MIDDLE	LCTRL+LSHIFT+U
***** ONLY WHEN USING GROUND POWER *****				
DISCONNECT GROUND POWER.....	REQUESTED		-->	\-F10-F4-F2
DC GROUND POWER.....	OFF		RF	LCTRL+LSHIFT+Q
AC GROUND POWER.....	OFF		RF	LCTRL+LSHIFT+R
RUNNING ENG EGT GAUGE TEST.....	PRESS/CHECKED		FRONT R	LCTRL+P
WEAPON CONTROL SYSTEM.....	ON	RECAP	RF MIDDLE	LSHIFT+LALT+D
IFF.....	ON	RECAP	RM MIDDLE	LALT+LSHIFT+I
LASER STANDBY MODE.....	ON		LF	RSHIFT+O
CHECK MASTER ARM.....	OFF		FRONT CENTER	LALT+W
ENG ANTI ICE/DUST PROT.....	IF OAT <5°C		TOP	LALT+I
ROTOR ANTI ICE SYSTEM.....	IF OAT <5°C		TOP	LALT+LCTRL+LSHIFT+S
NAV MASTER MODE SWITCH(PVI).....	OPER		RF BOTTOM	RALT+(V)+(B)
NAV DATA LINK POWER.....	ON		RF BOTTOM	RCTRL+B
DATA LINK MASTER MODE.....	COM		RF BOTTOM	LCTRL+M
INS.....	WPT MODE		RF BOTTOM	RALT+Q
INS SELECT WAYPOINT.....	1		RF BOTTOM	RALT+O-9
DL SWITCH.....	ON		RF MIDDLE	LCTRL+LSHIFT+O
DATALINK SA-TLF.....	ON		RF MIDDLE	LCTRL+LSHIFT+P
VHF-TLK.....	ON		RF MIDDLE	LCTRL+LSHIFT+O
DATALINK SELF-ID.....	SET 1		RF BOTTOM	LCTRL+I
UV-26 COUNTERMEASURES.....	ON	CAP	RB MIDDLE	LCTRL+LSHIFT+C
COUNTERMEASURES SELF TEST.....	CHECKED/990		RB MIDDLE	LALT+LCTRL+C
L-140 LASER WARNING SYSTEM.....	ON		RB MIDDLE	LCTRL+N
LASER WARNING SYSTEM SELF TEST.....	CHECKED		RB MIDDLE	LALT+LCTRL+N
SIGNAL FLARE POWER.....	ON		RF BOTTOM BACK	RCTRL+O (ZERO)
SHKVAL SCAN RATE.....	1.0		RF BOTTOM	LCTRL+(LSHIFT)+(RALT)+M
ENGAGE BANK HOLD CHANNEL.....	PRESS		RF BOTTOM	LSHIFT+B
ENGAGE PITCH HOLD CHANNEL.....	PRESS		RF BOTTOM	LSHIFT+P
ENGAGE HDG HOLD CHANNEL.....	PRESS		RF BOTTOM	LSHIFT+H
ENGAGE ALT HOLD CHANNEL.....	PRESS		RF BOTTOM	LSHIFT+A
ALTITUDE HOLD MODE.....	RADAR		RF BOTTOM	LCTRL+X
EJECTING SYSTEM POWER 1.....	ON		RF MIDDLE	

EJECTING SYSTEM POWER 2.....	ON	RF MIDDLE	
EJECTING SYSTEM POWER 3.....	ON	RF MIDDLE	
EJECTING SYSTEM TEST.....	PRESS/CHECKED	RB TOP	RCTRL+RSHIFT+E
NAV LIGHTS.....	100%	TOP L	RALT+L
ROTOR TIP LIGHTS.....	ON	R MIDDLE	RALT+J
FORMATION LIGHTS.....	100%	R MIDDLE	RCTRL+J
SAI & ADI LIGHTING.....	IF REQUIRED	R MIDDLE	RALT+RSHIFT+K
COCKPIT PANEL LIGHTING.....	IF REQUIRED	R MIDDLE	RCTRL+K
REAR PANEL LIGHTING.....	IF REQUIRED	RB BOTTOM	RALT+RSHIFT+L
NIGHT VISION COCKPIT LIGHTING.....	IF REQUIRED	R MIDDLE	RSHIFT+K

BEFORE TAXI CHECKLIST

COCKPIT DOOR CLOSED.....	CHECKED	-->	R-CTRL + C
REQUEST TAXI CLEARANCE.....	REQUESTED	-->	\+F6+F2
CHECK SURROUNDINGS A/C.....	CHECKED	-	-
PARKING BRAKE.....	OFF	-->	L-SHIFT + W
LANDING/SEARCH LIGHT.....	ON		RSHIFT+L

TAXI CHECKLIST

BRAKES.....	CHECKED	-->	W
FLIGHT INSTRUMENTS.....	CHECKED	SEVERAL	-

BEFORE TAKE-OFF CHECKLIST

TEMPS AND PRESSURES.....	IN THE GREEN	FRONT R	-
REQUEST HOVER CHECK CLEARANCE.....	REQUESTED	-->	\+F6+F3
REQUEST TAKE-OFF CLEARANCE.....	REQUESTED	-->	\+F6+F4
CHECK ALL LIGHTS ON.....	CHECKED	RM MIDDLE	-
ANTI ICE PROTECTION.....	IF OAT <5°C	TOP	LALT+I
CHECK ENGINE POWER INDICATOR.....	B MARK	RF TOP	-

AFTER TAKE-OFF CHECKLIST

LANDING GEAR.....	UP	LF	G
CHECK 3 REDS.....	CHECKED	LF	-
TEMPS AND PRESSURES.....	IN THE GREEN	FRONT R	-

CRUISE CHECKLIST

ANTI ICE PROTECTION.....	IF OAT <5°C	TOP	LALT+I
TEMPS AND PRESSURES.....	IN THE GREEN	FRONT R	-
CHECK ENGINE POWER INDICATOR.....	K MARK	RF TOP	-

APPROACH CHECKLIST

REQUEST APPROACH CLEARANCE.....	REQUESTED	-->	\+F6+F5
PARKING BRAKE.....	OFF	-->	L-SHIFT + W
LANDING/SEARCH LIGHT.....	ON	?	RSHIFT+L

FINAL CHECKLIST

REQUEST LANDING CLEARANCE.....	REQUESTED	-->	\+F6+F6
LANDING GEAR.....	DOWN	LF	G
CHECK 3 GREENS.....	CHECKED	LF	-
ANTI ICE PROTECTION.....	IF OAT <5°C	TOP	LALT+I

AFTER LANDING CHECKLIST

COLLECTIVE LOWEST.....	CHECKED	-	-
BRAKES.....	CHECKED	-->	W
ANTI ICE PROTECTION.....	IF OAT <5°C	TOP	LALT+I
REQUEST TAXI CLEARANCE.....	REQUESTED	-->	?

SHUT-DOWN CHECKLIST

PARKING BRAKE.....	SET	-->	L-SHIFT + W
COLLECTIVE LOWEST.....	CHECKED	-	-
CYCLIC NEUTRAL POSITION.....	CHECKED	-	-
RUDDER NEUTRAL POSITION.....	CHECKED	-	-
ABRIS POWER.....	OFF	FRONT	RSHIFT+0 (ZERO)

K-041 SHKVAL POWER.....	OFF		LF	LSHIFT+D
AL SYS GEN LH.....	OFF		RF MIDDLE	LCTRL+LSHIFT+Y
AL SYS GEN RH.....	OFF		RF MIDDLE	LCTRL+LSHIFT+U
CHECK INVERTER LIGHT.....	CHECKED/ON		TOP	-
ENGINE THROTTLE LEVERS.....	IDLE		-->	2X PAGE-DOWN
ENGINE COOLDOWN PERIOD.....	2 MINS		-	-
TURN OFF NOT NEEDED SYSTEMS.....	SYSTEMS OFF		SEVERAL	-
L-ENG CUT-OFF VALVE LEVER.....	CLOSED		L MIDDLE	RCTRL+PAGEUP
CHECK L-ENG RPM DECREASE.....	CHECKED		FRONT R	-
CHECK L-ENG TEMP DECREASE.....	CHECKED		FRONT R	-
R-ENG CUT-OFF VALVE LEVER.....	CLOSED		L MIDDLE	RCTRL+PAGEDOWN
CHECK R-ENG RPM DECREASE.....	CHECKED		FRONT R	-
CHECK R-ENG TEMP DECREASE.....	CHECKED		FRONT R	-
ENGAGE ROTORBRAKE.....	ROTOR RPM <30%		L MIDDLE	LSHIFT+R
LEFT SHUTOFF VALVE SWITCH.....	CLOSED	RECAP	RF MIDDLE	RCTRL+RSHIFT+J
RIGHT SHUTOFF VALVE SWITCH.....	CLOSED	RECAP	RF MIDDLE	RCTRL+RSHIFT+K
LEFT EEG GOVERNOR.....	OFF		R MIDDLE	RCTRL+HOME
RIGHT EEG GOVERNOR.....	OFF		R MIDDLE	RCTRL+END
FWD BOOSTPUMP.....	OFF		RF MIDDLE	LCTRL+LSHIFT+A
AFT BOOSTPUMP.....	OFF		RF MIDDLE	LCTRL+LSHIFT+D
CAGE SAI.....	TURN KNOB R		FRONT R	-
TURN OFF ALL SWITCHES.....	SWITHES OFF		SEVERAL	-
BATT 1.....	OFF	RECAP	RF MIDDLE	LCTRL+LSHIFT+E
BATT 2.....	OFF	RECAP	RF MIDDLE	LCTRL+LSHIFT+W

HOT REFUEL/REARM STANDBY CHECKLIST

PARKING BRAKE.....	SET		-->	L-SHIFT + W
COLLECTIVE LOWEST.....	CHECKED		-	-
CYCLIC NEUTRAL POSITION.....	CHECKED		-	-
RUDDER NEUTRAL POSITION.....	CHECKED		-	-
REQUEST REFUEL/REARM.....	REQUESTED		-->	?

FIRE SUPRESSION SYSTEM TEST PROCEDURE

FIRE EXT. WORK-OFF-CHECK.....	CHECK/TEST		RF TOP	LCTRL+LSHIFT+Z
FIRE SIGNALLING SWITCH.....	ON		RF TOP	RALT+RSHIFT+Z
FIRE WARNING SENSOR GROUP.....	GROUP 1		RF TOP	RSHIFT+Z
CHECK LEFT ENGINE FIRE LIGHT.....	CHECKED		RF TOP	-
CHECK RIGHT ENGINE FIRE LIGHT.....	CHECKED		RF TOP	-
CHECK HYDRAULICS FIRE LIGHT.....	CHECKED		RF TOP	-
CHECK OIL COOLING FAN FIRE LIGHT.....	CHECKED		RF TOP	-
CHECK APU FIRE LIGHT (GROUP 1&2).....	CHECKED		RF TOP	-
CHECK FIRE WARNING LIGHT.....	CHECKED		FRONT LEFT	-
FIRE WARNING SENSOR GROUP.....	NEUTRAL		RF TOP	RSHIFT+Z
FIRE SIGNALLING SWITCH.....	OFF & ON		RF TOP	RALT+RSHIFT+Z
REPEAT ABOVE FOR GROUP 2.....	CHECKED		-	-
REPEAT ABOVE FOR GROUP 3.....	CHECKED		-	-
FIRE EXT. WORK-OFF-CHECK.....	WORK		RF TOP	LCTRL+LSHIFT+Z
EXTINGUISHERS SWITCH.....	FIRST/AUTO		RF TOP	RCTRL+RSHIFT+Z

*** FOR NORMAL START-UP DO BOTH BLUE AND RED ITEMS ***

QUICK START-UP ITEMS

ADDED NORMAL START-UP ITEMS

OPTIONAL ITEMS

KEYBOARD KEYS

RF=RIGHT PANEL FRONT SECTION	TOP=TOP PANEL/SECTION	BOTTOM=BOTTOM SECTION
LF=LEFT PANEL FRONT SECTION	MIDDLE=MIDDEL SECTION	RB=RIGHT BACK PANEL
FRONT=FRONT PANEL	L=LEFT	R=RIGHT
		LB=LEFT BACK PANEL