

Kamov KA-50 "Black Shark" Normal Checklist



BEFORE START-UP CHECKLIST

CHECK PARKING BRAKE ON.....	CHECKED	
BATT 1.....	ON	RECAP
BATT 2.....	ON	RECAP
INTERCOM.....	ON	
LIGHT TEST.....	PRESS/CHECKED	
EKRAN/VOICE MESSAGE UNIT TEST.....	PRESS/CHECKED	
***** ONLY WHEN USING GROUND POWER *****		
SPU-9 RADIO PANEL.....	HON	
REQUEST GROUND POWER.....	REQUESTED	
DC GROUND POWER.....	ON	
AC GROUND POWER.....	ON	
VHF 1.....	ON	
VHF 2.....	ON	
EKRAN/HYDRAULICS POWER.....	ON	CAP
RESET MASTER WARNING.....	RESET	
STOPPED ENG EGT GAUGE TEST.....	PRESS/CHECKED	
INU HEAT.....	ON	
INU POWER.....	ON	
K-041 SHKVAL POWER.....	ON	
ABRIS POWER.....	ON	
STANDBY ATTITUDE INDICATOR (SAI).....	ON	
FIRE SUPRESSION SYSTEM TEST.....	SEE BELOW	
FIRE SUPRESSION SYSTEM.....	OPER	RECAP
FUEL QTY.....	ON	
FUEL METER GAUGE TEST.....	PRESS/CHECKED	
APU SHUTOFF VALVE SWITCH.....	OPEN	
FWD BOOSTPUMP.....	ON	
AFT BOOSTPUMP.....	ON	
INNER BOOSTPUMP.....	IF REQUIRED	
OUTER BOOSTPUMP.....	IF REQUIRED	
CHECK CROSSFEED ON.....	CHECKED	
REQUEST START-UP CLEARANCE.....	REQUESTED	
CHECK START SELECTOR SWITCH.....	APU/CHECKED	
APU START.....	PRESS	
CHECK APU STARTUP.....	CHECKED	
ROTORBRAKE.....	RELEASE	
COLLECTIVE LOWEST.....	CHECKED	
CLOSE COCKPIT DOOR.....	CLOSED	
CHECK SURROUNDINGS A/C.....	CHECKED	
ANTICOLLISION BEACON.....	ON	
LEFT SHUTOFF VALVE SWITCH.....	OPEN	RECAP
LEFT EEG GOVERNOR.....	ON	RECAP
START SELECTOR SWITCH.....	ENG-LH	
ENGINE START.....	PRESS	
L-ENG CUT-OFF VALVE LEVER.....	OPEN	
CHECK L-ENG RPM INCREASE.....	≥70% RPM	
CHECK L-ENG TEMP INCREASE.....	CHECKED	
RIGHT SHUTOFF VALVE SWITCH.....	OPEN	RECAP
RIGHT EEG GOVERNOR.....	ON	RECAP
START SELECTOR SWITCH.....	ENG-RH	

ENGINE START..... PRESS
R-ENG CUT-OFF VALVE LEVER..... OPEN
CHECK R-ENG RPM INCREASE..... ≥70% RPM
CHECK R-ENG TEMP INCREASE..... CHECKED

AFTER ENGAGEMENT CHECKLIST

SHUTDOWN APU..... PRESS
APU SHUTOFF VALVE SWITCH..... CLOSE RECAP
UNCAGE SAI..... TURN KNOB L
ADI ZERO PITCH TRIM..... SET
RADALT WARNING..... SET
RADALT TEST..... CHECKED
ADI SELF TEST..... CHECKED
HSI SELF TEST..... CHECKED
ADF SELF TEST..... CHECKED
COLLECTIVE LOWEST..... CHECKED
CHECK CYCLIC MOVEMENT..... FREE/CHECKED
CHECK COLLECTIVE MOVEMENT..... FREE/CHECKED
CHECK RUDDER MOVEMENT..... FREE/CHECKED
ENGINE THROTTLE LEVERS..... SET AUTO
CHECK ENGINE RPM..... >80% <100% RPM
AL SYS GEN LH..... ON
AL SYS GEN RH..... ON
***** ONLY WHEN USING GROUND POWER *****
DISCONNECT GROUND POWER..... REQUESTED
DC GROUND POWER..... OFF
AC GROUND POWER..... OFF
RUNNING ENG EGT GAUGE TEST..... PRESS/CHECKED
WEAPON CONTROL SYSTEM..... ON RECAP
IFF..... ON RECAP
LASER STANDBY MODE..... ON
CHECK MASTER ARM..... OFF
ENG ANTI ICE/DUST PROT..... IF OAT <5°C
ROTOR ANTI ICE SYSTEM..... IF OAT <5°C
NAV MASTER MODE SWITCH(PVI)..... OPER
NAV DATA LINK POWER..... ON
DATA LINK MASTER MODE..... COM
INS..... WPT MODE
INS SELECT WAYPOINT..... 1
DL SWITCH..... ON
DATALINK SA-TLF..... ON
VHF-TLK..... ON
DATALINK SELF-ID..... SET 1
UV-26 COUNTERMEASURES..... ON CAP
COUNTERMEASURES SELF TEST..... CHECKED/990
L-140 LASER WARNING SYSTEM..... ON
LASER WARNING SYSTEM SELF TEST..... CHECKED
SIGNAL FLARE POWER..... ON
SHKVAL SCAN RATE..... 1.0
ENGAGE BANK HOLD CHANNEL..... PRESS
ENGAGE PITCH HOLD CHANNEL..... PRESS
ENGAGE HDG HOLD CHANNEL..... PRESS
ENGAGE ALT HOLD CHANNEL..... PRESS
ALTITUDE HOLD MODE..... RADAR
EJECTING SYSTEM POWER 1..... ON

EJECTING SYSTEM POWER 2..... ON
 EJECTING SYSTEM POWER 3..... ON
 EJECTING SYSTEM TEST..... PRESS/CHECKED
 NAV LIGHTS..... 100%
 ROTOR TIP LIGHTS..... ON
 FORMATION LIGHTS..... 100%
 SAI & ADI LIGHTING..... IF REQUIRED
 COCKPIT PANEL LIGHTING..... IF REQUIRED
 REAR PANEL LIGHTING..... IF REQUIRED
 NIGHT VISION COCKPIT LIGHTING..... IF REQUIRED

BEFORE TAXI CHECKLIST

COCKPIT DOOR CLOSED..... CHECKED
 REQUEST TAXI CLEARANCE..... REQUESTED
 CHECK SURROUNDINGS A/C..... CHECKED
 PARKING BRAKE..... OFF
 LANDING/SEARCH LIGHT..... ON

TAXI CHECKLIST

BRAKES..... CHECKED
 FLIGHT INSTRUMENTS..... CHECKED

BEFORE TAKE-OFF CHECKLIST

TEMPS AND PRESSURES..... IN THE GREEN
 REQUEST HOVER CHECK CLEARANCE..... REQUESTED
 REQUEST TAKE-OFF CLEARANCE..... REQUESTED
 CHECK ALL LIGHTS ON..... CHECKED
 ANTI ICE PROTECTION..... IF OAT <5°C
 CHECK ENGINE POWER INDICATOR..... B MARK

AFTER TAKE-OFF CHECKLIST

LANDING GEAR..... UP
 CHECK 3 REDS..... CHECKED
 TEMPS AND PRESSURES..... IN THE GREEN

CRUISE CHECKLIST

ANTI ICE PROTECTION..... IF OAT <5°C
 TEMPS AND PRESSURES..... IN THE GREEN
 CHECK ENGINE POWER INDICATOR..... K MARK

APPROACH CHECKLIST

REQUEST APPROACH CLEARANCE..... REQUESTED
 PARKING BRAKE..... OFF
 LANDING/SEARCH LIGHT..... ON

FINAL CHECKLIST

REQUEST LANDING CLEARANCE..... REQUESTED
 LANDING GEAR..... DOWN
 CHECK 3 GREENS..... CHECKED
 ANTI ICE PROTECTION..... IF OAT <5°C

AFTER LANDING CHECKLIST

COLLECTIVE LOWEST..... CHECKED
 BRAKES..... CHECKED
 ANTI ICE PROTECTION..... IF OAT <5°C
 REQUEST TAXI CLEARANCE..... REQUESTED

SHUT-DOWN CHECKLIST

PARKING BRAKE..... SET
 COLLECTIVE LOWEST..... CHECKED
 CYCLIC NEUTRAL POSITION..... CHECKED
 RUDDER NEUTRAL POSITION..... CHECKED
 ABRIS POWER..... OFF

K-041 SHKVAL POWER.....	OFF	
AL SYS GEN LH.....	OFF	
AL SYS GEN RH.....	OFF	
CHECK INVERTER LIGHT.....	CHECKED/ON	
ENGINE THROTTLE LEVERS.....	IDLE	
ENGINE COOLDOWN PERIOD.....	2 MINS	
TURN OFF NOT NEEDED SYSTEMS.....	SYSTEMS OFF	
L-ENG CUT-OFF VALVE LEVER.....	CLOSED	
CHECK L-ENG RPM DECREASE.....	CHECKED	
CHECK L-ENG TEMP DECREASE.....	CHECKED	
R-ENG CUT-OFF VALVE LEVER.....	CLOSED	
CHECK R-ENG RPM DECREASE.....	CHECKED	
CHECK R-ENG TEMP DECREASE.....	CHECKED	
ENGAGE ROTORBRAKE.....	ROTOR RPM <30%	
LEFT SHUTOFF VALVE SWITCH.....	CLOSED	RECAP
RIGHT SHUTOFF VALVE SWITCH.....	CLOSED	RECAP
LEFT EEG GOVERNOR.....	OFF	
RIGHT EEG GOVERNOR.....	OFF	
FWD BOOSTPUMP.....	OFF	
AFT BOOSTPUMP.....	OFF	
CAGE SAI.....	TURN KNOB R	
TURN OFF ALL SWITCHES.....	SWITHES OFF	
BATT 1.....	OFF	RECAP
BATT 2.....	OFF	RECAP

HOT REFUEL/REARM STANDBY CHECKLIST

PARKING BRAKE.....	SET	
COLLECTIVE LOWEST.....	CHECKED	
CYCLIC NEUTRAL POSITION.....	CHECKED	
RUDDER NEUTRAL POSITION.....	CHECKED	
REQUEST REFUEL/REARM.....	REQUESTED	

FIRE SUPPRESSION SYSTEM TEST PROCEDURE

FIRE EXT. WORK-OFF-CHECK.....	CHECK/TEST	
FIRE SIGNALLING SWITCH.....	ON	
FIRE WARNING SENSOR GROUP.....	GROUP 1	
CHECK LEFT ENGINE FIRE LIGHT.....	CHECKED	
CHECK RIGHT ENGINE FIRE LIGHT.....	CHECKED	
CHECK HYDRAULICS FIRE LIGHT.....	CHECKED	
CHECK OIL COOLING FAN FIRE LIGHT.....	CHECKED	
CHECK APU FIRE LIGHT (GROUP 1&2).....	CHECKED	
CHECK FIRE WARNING LIGHT.....	CHECKED	
FIRE WARNING SENSOR GROUP.....	NEUTRAL	
FIRE SIGNALLING SWITCH.....	OFF & ON	
REPEAT ABOVE FOR GROUP 2.....	CHECKED	
REPEAT ABOVE FOR GROUP 3.....	CHECKED	
FIRE EXT. WORK-OFF-CHECK.....	WORK	
EXTINGUISHERS SWITCH.....	FIRST/AUTO	

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