

**Lear 55 Operational Checks
SUMMARY**

ANTI-ICE	
Left Nac Heat Sw	ON
Left Eng Anti-Ice Light	ILLUMINATES BRIEFLY
Switch Off	
Right Nac Heat Sw	ON
Right Eng Anti-Ice Light	ILLUMINATES BRIEFLY
Switch Off	
Stab Wing Heat Switch	ON
Stab Wing Heat Light	ON - VERIFY WING TEMP INCREASE
AUTOMATIC POWER RESERVE	
Both Thrust Levers	IDLE
APR Switch	ARM - Verify ARM Light ON
One Thrust Lever	ADVANCE 5%-10% N2
Verify	APR ON Light Illuminated
Thrust Lever	IDLE
APR Switch	RESET/OFF
Verify APR ON & APR ARM Lights	OFF - Both N2 Decrease 1%
AUTOPILOT MONITOR	
Autopilot Switch	ON
Test Button	PUSH - VERIFY All Lights Illuminate
Test and Engage Buttons	PUSH
ROLL Light	Verify Out in 6 Seconds w/Tone
EMERGENCY PRESSURIZATION	
Left Bleed Air Switch	EMERGENCY
EMER PRESS LIGHT	Verify Light on and Airflow
Switch to OFF	Verify Light off and Airflow Stops
Right Bleed Air Switch	EMERGENCY
EMER PRESS LIGHT	Verify Light on and Airflow
Switch to OFF	Verify Light off and Airflow Stops

MACH MONITOR	
Pitch Trim	IN TAKEOFF PIE
Mach MON	SELECT ON TEST SWITCH
Trim	NOSE UP OR NOSE DOWN
Test Switch	PUSH
Verify	TRIM STOPS
Verify	RED MACH TRIM, AMBER PITCH TRIM Lights ON
Test Switch	Release - Lights Extinguish
MACH TRIM / MACH TRIM MONITOR	
Mach TRIM	SELECT ON TEST SWITCH
Pitch Trim Indicator	WATCH
Push Test Button	
Verify	1 - 3 Seconds Nose Up Trim
Verify	TRIM STOPS
Verify	RED MACH TRIM LIGHT and WARNING HORN ON
Release Test Button	Horn Stops, Light Goes Out
STALL WARNING SYSTEM	
Stall Warning Switches	ON
Flap Switch	DOWN (SSK55-504)
Left Stall Test Switch	Press and Hold
Verify	Needle to Red, Momentary Horn
Verify	Light, Shaker, Nudger, Pusher
Verify	Needle returns Yellow or Green
Left Stall Test Switch	Release
MSW and Test Switch	Depress Both
Verify	Horn, Light, Shaker
Verify	No Nudger or Pusher
Test Switch	Release
Operate Flaps	One complete retraction or extension
Verify	Both Stall Margin Indicators make significant shift in position
Stall Warning Switches	OFF

STICK PULLER / MACH WARNING	
Pitch Trim	IN TAKEOFF PIE
Left Stall Switch	ON
Select MACH on Test Switch	PRESS AND HOLD
Verify Activation of	OVERSPEED WARNING HORN and PULLER
After one second	
Verify	OVERSPEED WARNING HORN and PULLER STOP and RE-ACTIVATE
Release Button	HORN AND PULLER STOP
SPOILERONS/ SPOILERS	
Verify	SPOILERS RETRACTED FLAPS FULL DOWN
Control Wheel	CENTER and ENGAGE Reset Switch
Control Wheel	TURN LEFT Unitl AUG AIL SPOILER MON Light Illuminates
Center Wheel	Release and Re-Engage Test Switch
Control Wheel	CENTER and ENGAGE Reset Switch
Control Wheel	TURN RIGHT Unitl AUG AIL SPOILER MON Light Illuminates
Control Wheel	RELEASE then click RESET Switch to Extinguish Light
Control Wheel	Full Left and Full Right - Verify NO LIGHT
Spoilers	EXTEND - Verify FLASHING SPOILER Light
Flaps	RETRACT - Verify STEADY SPOILER Light
Spoilers	RETRACT -Verify SPOILER LIGHT OUT
AUTO-SPOILERS	
Spoiler Switch	ARM - Verify SPOILER ARM and SPOILER LIGHT
Reset Switch	Engage - Spoiler Light OFF
Reset Switch	Release - Spoiler Light ON
Left Thrust Lever	ADVANCE Slightly - Verify Spoiler Light OFF
Left Thrust Lever	RETARD - Verify Spoiler Light ON
Repeat for Right	
Spoiler Switch	RETRACT - Verify Spoiler and Spoiler ARM lights OFF

THRUST REVERSER	
Verify	CB's IN Light OFF
Test Button	Push
Verify	BLEED PRESS LIGHTS, HORN, Flashing UNLOCK LIGHTS
Perform	Normal Deploy
Perform	Emergency Stow
Stow Levers	SWITCH to NORMAL
Perform	Normal Deploy, Normal Stow, Lights OFF
TRIM SPEED MONITOR	
Position Trim Indicator	NOSE UP SIDE OF INDEX
Trim Speed Test Switch	PRESS AND HOLD - TRIM NOSE UP -Verify PITCH TRIM LIGHT ON
Release Test Switch	LIGHT OFF
TRIM SYSTEMS	
Secondary Pitch Trim	SELECT
Trim with Secondary	NOSE UP and NOSE DOWN - Verify Trim Motor and Clicker
Press CWMS	Verify Stops Trim in Both Directions
Select Primary Trim	Control Wheel Trim Switch 4 directions without arming - Verify NO TRIM
With Arming Button	Trim 4 directions - Verify TRIM MOTION and CLICKER (pitch only)
Press CWMS	Verify Stops Trim in Both Directions
Repeat on Right Side	
	Verify Pitch Trim Speed Changes passing Index
	Verify Rudder Trim Both Directions
YAW DAMPERS	
Both Power Buttons	PRESS - Verify ON Lights Illuminated
Test Button	PRESS - Verify both ENGAGE lights ON Both Force Indicators RIGHT then LEFT
Secondary	ENGAGE - Override with Rudder pedals, disconnect with MSW
Primary	ENGAGE - Override with Rudder pedals, disconnect with MSW