

BEFORE START

Passenger Briefing COMPLETED
 Control Locks/Covers..... STOWED
 ChocksREMOVED
 Parking BrakeSET
 Doors SECURE
 Fuel Quantity CHECK [...] lbs
 Battery Bus NORM
 Gen Ties AS REQ
 Engine Anti-ice..... ON
 Oxygen System ON
 Power ConsoleSET
 Cabin Temp ModeOFF
 Environmental Bleed Air AS REQ
 Bleed Air Valves ENVIR OFF
 ESIS..... TESTED / ON
 Avionics MasterOFF
 Main Battery..... ON
 DC volts>23v
 Ground Equipment..... CLEAR
 Beacon & Lights..... ON

*** FUNCTIONAL**

Auto-feather CHECK
 Over-speed GOV & Rudder-Boost..... CHECK
 Low Pitch Stop & Prim Governor CHECK
 Ice Protection CHECK
 Pressurisation CHECK
 Bleed Air Valves CHECK

KEY

*Items marked * may be omitted after the crew's first flight of the day*

AFTER-START

Electrical system *CHECK
 Load-meter PARALLEL WITHIN 10%
 Avionics Master ON
 Cabin Temp Mode..... AS REQ
 Instruments/Flt-Director/Refs SET
 FMS, fuel..... SET
 Cabin Pressurisation PRESS & SET
 Transponder ON
 Cabin Sign..... ON
 ESIS INITIALISED

 Taxi Light ON WITH TAXI CLEARANCE

BEFORE TAKE-OFF

Bleed Air Valves OPEN
 BrakesCHECK
 Instruments & Flight Controls.....CHECK
 Flaps SET [...]
 Frictions, Trims..... SET
 Transponder ON
 Departure Brief (PEDS)..... REVIEWED
 Cabin SECURE

RUNWAY

Strobes ON
 Ice Protection AS REQ
 Auto-Ignition ARM
 Engine Anti-Ice AS REQ
 Auto-feather..... ARM
 Annunciator Lights..... CONSIDERED

 Landing Lights.... ON WITH T/O CLEARANCE

AFTER TAKE-OFF

Landing GearUP, NO REDS
 Landing & Taxi lights OFF
 Flaps UP
 Yaw Damper..... ENGAGED
 Climb Power SET
 Engine Instruments..... CHECK

CLIMB

Altimeters..... STANDARD SET
 Engine Anti-Ice AS REQ
 Ice Protection..... AS REQ
 Cabin Signs AS REQ
 Environmental Bleed Air AS REQ
 Pressurisation..... CHECK
 Lights AS REQ

DESCENT

Pressurisation..... SET
 Refs / NAV-Aids / FMS..... SET
 ESIS SET
 Fuel..... CHECK
 Briefing COMPLETED

APPROACH

Altimeters..... QNH SET
 Auto-feather ARMED
 Engine Anti-Ice ON
 Ice Protection..... AS REQ
 Environmental Bleed Air LOW
 Cabin Signs ON

LANDING

Cabin SECURE
 Landing Gear ... DOWN 3 GREENS NO REDS
 Missed Approach Altitude SET
 Props MAX RPM
 Flaps..... SET
 Yaw Damper..... OFF

MISSED APPROACH

Landing GearUP
 Landing & Taxi lights OFF
 FlapsUP
 Altimeters CHECK
 Fuel CHECK
 FMS & Flt-Director..... AS REQ

AFTER LANDING

RadarSTANDBY
 Press DiffVERIFY 0
 Bleed Air Valves..... ENVIR OFF
 FlapsUP
 Trims RESET
 TransponderSTANDBY
 Ice Protection OFF
 Lights AS REQ
 Auto-Ignition OFF
 Engine Anti-Ice..... ON
 Auto-feather OFF

SHUTDOWN

Parking BrakeSET
 Taxi Light OFF
 Cabin Temp Mode OFF
 ESIS OFF
 Avionics Master..... OFF
 ITT STABLE
 Condition Levers CUTOFF
 Props..... FEATHER
 Oxygen System..... AS REQ
 Fuel Quantity..... [...] lbs
 Cabin Signs..... OFF
 Beacon & Lights..... AS REQ
 DC volts CHECK
 Main Battery & Generators OFF
 Battery Bus AS REQ
 Headsets OFF
 Control Locks AS REQ

*COCKPIT SAFETY	
Fire Extinguisher	CHECK
Oxygen system	CHECK, CONTENTS [...]
Static Air source	NORMAL
Landing Gear	DOWN
Alternate Extension handle	SECURE
Trims	ZERO
Rudder-Boost	ON
ELT	ARM
Starter switches	OFF
Battery Bus	NORM
Main Battery	ON
DC volts	> 23V
External power (if available)	ON
DC volts (GPU)	28.0 - 28.4V
Circuit breakers LHS & RHS	CHECK
Annunciators	CHECK
Fire detectors/extinguishers	CHECK
Stall warning	CHECK
Landing Gear warning	CHECK
Cabin Alt High warning	CHECK
Cabin Diff warning	CHECK
Land gear handle light	CHECK
Hydraulic fluid sensor	CHECK
Flaps	CHECK
CVR	CHECK
Fuel system	CHECK
Low fuel Quantity	CHECK
Gen ties	MAN CLOSE
Avionics master	ON
Over-speed warning	CHECK
Electric Pitch Trim	ON, CHECK
Radios, radar, TCAS, EGPWS	CHECK
Audio panels	SET
Autopilot	CHECK
EMER Frequency	EXTINGUISHED
Avionics master	OFF
Reversion panel	NORM / CENTRE
Main Battery	AS REQ

B350 SPEEDS (flap 0) Sea Level/ISA					
LBS x 1000	15	14	13	12	11
V1	106	102	99	98	97
VR	110	107	104	104	104
V2	117	115	112	112	112
V1 (WET)	101	96	92	92	92
VR (WET)	110	107	104	104	104
V2 (WET)	117	114	111	111	112
VREF	109	105	102	100	100
VAPP	119	115	112	110	110
VERC	125	125	125	125	125
B350 SPEEDS (flap 0) SW/Slush/W&D Snow					
LBS x 1000	15	14	13	12	11
V1	110	107	104	104	104
VR	110	107	104	104	104
V2	117	114	111	111	112

Expanded procedures	
Electrical System	
Right Gen	RESET then ON
Gen ties	OPEN
	[L GEN TIE] [R GEN TIE] on
Voltmeter TPL FED	26.5 – 28v
	R GEN, L GEN
	27.5 – 29v
GEN Ties	NORMAL
	[L GEN TIE] [R GEN TIE] off
Bus Sense	TEST (short)
	[L GEN TIE] [R GEN TIE] [BATT TIE OPEN] on
Voltmeter CTR	0v
Bus Sense	RESET (short)
	[L GEN TIE] [R GEN TIE] [BATT TIE OPEN] off
Voltmeter CTR	27.5-29v

Auto-feather	
Condition Levers	LOW IDLE
Prop Levers	FULL FORWARD
Power Levers	~ 22% TQ
Auto-feather switch	hold to TEST
Power Levers	retard individually
	at ~17% TQ – Opp annunciator extinguished
	at ~10% TQ – both annunciators extinguished
	& prop starts to feather
Power Levers	IDLE
	(neither prop feathers)
Auto-feather switch	RELEASE

Over-speed Governors & Rudder-Boost	
Rudder-Boost ..	OFF then ON (check caption)
Prop Levers	FULL FORWARD
Prop Governor test switch	hold to GOV
	On each engine individually:
Power Levers	increase until stable
	1500 – 1610 RPM
Power Lever	continue to increase until
	rudder movement noted
AP/trim disconnect	depress to 1 st level
	and release (Rudder-Boost interrupted)
Power Lever	IDLE
Prop Governor test switch	RELEASE

Low Pitch Stops & Primary Governors	
Prop Levers	FULL FORWARD
Low Pitch Stop	hold to GND IDLE STOP
	[L PROP PITCH] [R PROP PITCH] illuminated
Power Levers	SET 1500 RPM
Prop Levers	cycle to low and high RPM
	(propeller RPM decreases and
	then returns to 1500 RPM)
Low Pitch Stop	RELEASE
	[L PROP PITCH] [R PROP PITCH] extinguished
Prop RPM	STABLE at 1150 to 1250 RPM