



## **NATIONAL TRANSPORTATION SAFETY BOARD**

Office of Aviation Safety  
Washington, D.C. 20594

February 2, 2015

### **Attachment 15 – NAL Normal Checklist**

# **OPERATIONAL FACTORS**

**DCA13MA081**

# Table Of Contents

A. Normal Checklist ..... 2

## A. Normal Checklist



### B747 Normal Checklist

Revision: Revision 2 – 2012-08-31

#### BEFORE START

<i>Read (F/O)</i>	<i>Respond</i>
Departure Briefing .....	Complete (C)
Oxygen .....	Checked, (C, F/O, JS)
Flight Instruments .....	Checked and set for Departure (C)
Altimeters .....	IN (hPa), ft, Set (C, F/O)
MCP .....	V2, HDG, ALT, (C, F/O)
Takeoff Speeds .....	V1, VR, V2 (C)
Fuel Quantity .....	planned, Checked (C)
Fuel Control Switches .....	CUTOFF (C)
Parking Brake .....	Set (C)
Autobrakes .....	RTO (C)
Passenger Signs .....	ON /as desired (C)
Upper Deck Emergency Doors .....	ARMED (F/O)

#### BEFORE PUSHBACK

<i>Read (F/O)</i>	<i>Respond</i>
Cabin .....	Ready (C)
Doors .....	Closed (C)
Demand Pumps .....	#4 AUX and AUTO (C)
Beacon .....	BOTH (C)
Recall .....	Checked (C)
Trim .....	units, 0, 0 (C)
Transponder .....	SET / TCAS OFF (C)

#### AFTER START

<i>Read (F/O)</i>	<i>Respond</i>
APU .....	OFF (C)
Nacelle anti-ice .....	OFF / ON (C)
Aft cargo heat .....	ON (F/O)
Recall .....	Checked (C)
CDUs .....	Checked (C, F/O)
Ground equipment .....	Clear L (C), Clear R (F/O)

#### BEFORE TAKEOFF

<i>Read (F/O)</i>	<i>Respond</i>
Flaps .....	planned, Checked (C)
Flight controls .....	Checked (C, F/O)
T/O departure review .....	Complete (PF)

#### Final Items

Cabin .....	Notified (F/O)
Autothrottles .....	Armed (F/O)
WXR or TERR .....	Selected (C, F/O)
Transponder .....	TA/RA (F/O)
Runway .....	Rwy, Verified (C, F/O)

#### AFTER TAKEOFF

*Checked ALOUD (PM)*

Landing gear .....	Up and Off
Flaps .....	UP

#### DESCENT/APPROACH

*Checked ALOUD (PM)*

Recall .....	Checked
Autobrakes .....	Set (OFF)
Landing Data .....	VREF, Minimums, Set
Altimeters .....	IN (HPA), Preset (Set)
WXR or TERR .....	Selected
Approach Briefing .....	Complete

#### LANDING

*Checked ALOUD (PM)*

Cabin .....	Notified
Speedbrake .....	ARMED
Landing gear .....	DOWN
Flaps .....	

#### AFTER LANDING

*Checked SILENTLY (F/O)*

Nacelle anti-ice .....	As required
Strobe lights .....	OFF
WXR or TERR .....	OFF
Flight directors .....	OFF
Autothrottles .....	OFF
Speedbrake .....	DOWN
Flaps .....	UP
Stab trim .....	6 units
Transponder .....	STBY / XPNDR
Autobrakes .....	OFF
APU .....	As required

#### SHUTDOWN

<i>Read (F/O)</i>	<i>Respond</i>
Fuel control switches .....	CUTOFF (C)
Fuel pumps .....	OFF (C)
Nacelle anti-ice .....	OFF (C)
Beacon .....	OFF (C)
Aft cargo heat .....	OFF (ON) (F/O)
Transponder .....	STBY (F/O)
Parking brake .....	Released (Set) (C)
Demand pumps .....	OFF (C)
IRS selectors (when satcom not needed) .....	OFF (C)
Upper Deck Emergency Doors .....	DISARMED (F/O)

#### SECURING

<i>Read (F/O)</i>	<i>Respond</i>
Emergency lights .....	OFF (C)
Packs .....	OFF (C)
APU, EXT power .....	OFF (C)
Standby power .....	OFF (C)
Battery .....	OFF (C)

<b>FAA APPROVED</b>	
BY:	DATE: 08-21-12