

Airplane Flight Manual

(Metric Version)

The Airplane must be operated in compliance with the LIMITATIONS prescribed herein.

MODEL	A/C EFFECTIVITY
BD-100-1A10 (CH-300)	20001-20500
FIRST ISSUED: May 30/2003	REVISION 67: Mar 29/2022

B O M B A R D I E R
CHALLENGER 300

CHALLENGER* 300 AIRPLANE FLIGHT MANUAL

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The Airplane Flight Manual is valid only when all the issued revisions are incorporated.
Record the date you insert each revision in your manual.

Revision /DOT Approval	Pages Affected	Description of Revision	DATE Incorporated /Signature
REV-1 W. Jupp 13 May, 2004	Front Matter:		
	Approval Page	Add note for FAA/JAA approval.	
	00-01-1 thru 00-01-8	Update Record of Revisions.	
	00-02-1 thru 00-02-3	Update Record of Temporaries.	
	00-03-1 thru 00-03-5	Update List of Effective Pages.	
	Chapter 1 – Introduction:		
	01-01-1	Reword text. Add Chapter 8.	
	Chapter 2 – Limitations:		
	02-00-1 & 02-00-2	Update TOC.	
	02-01-1	Reword text. Add RVSM and wing anti-ice text (TR-11). Delete engine anti-ice text.	
	02-01-2	Remove flight op temp limits. Delete engine and wing anti-ice text and note.	
	02-01-3 (Added)	Page added for text flow.	
	02-02-1 & 02-02-2	Update weights and add CG	
	02-02-3 (Added)	chart and effectivities.	
	02-03-1	Revise format. Add caution.	
	02-03-3	Increase press alt limit (TR-7)	
	02-04-1	Delete unnecessary text. Remove autopilot limitation.	
	02-04-2	Update FMS info & software no.	
	02-04-3	Update FMS info & software no.	
	02-04-4	Update FMS info. Add Stdbby compass limit (TR-15). Update TAWS info. Remove towbarless towing limit (TR-21).	
	02-04-5 (Added)	Add electrical/hydraulic text and battery temperature limits.	
	02-05-1	Delete Minimum Takeoff Fuel. (Duplicate info on 02-05-2). Add JP-4/JET B to list of approved fuels (TR-12).	
	02-05-2	Update press. refuel data (TR-16). Correct Gravity Refuel data.	
	02-06-1	Delete manual ignition req. Update operating limits (TR-10).	
	02-06-2	Update Ground Start Env. (TR-10)	
	02-06-3	Update APU alt. limit (TR-25).	

Revision /DOT Approval	Pages Affected	Description of Revision	DATE Incorporated /Signature
REV-1 W. Jupp 13 May, 2004 (cont)	Chapter 3 – Emergency:		
	03-00-2 & 03-00-3	Update TOC (TR-10)	
	03-12-1	Correct O2 switch nomenclature. Add prolonged Ops warning.	
	03-12-2	Change Cabin Delta P value (TR-8).	
	03-12-3 & 03-12-4	Add verbiage to procedure.	
	03-17-2	Delete note.	
	03-19-1 thru 03-19-3	Update CAS & other text (TR-10).	
	03-23-3	Note that stall pusher is not applicable to JAA (TR-3). Change sequence of procedure.	
	03-23-4 thru 03-23-6	Update nomenclature.	
	03-25-1	Update nomenclature. Change "gear" to "MLG downlock assist".	
	03-27-1	Added rhombus.	
	03-28-2 & 03-28-3	Update nomenclature. Deleted note.	
	03-29-1 & 03-29-2	Update nomenclature.	
	03-32-7	Update nomenclature.	
	03-32-8	Update nomenclature. Revise Relight time (TR-28).	
	03-32-9	Revise Relight time (TR-28)	
	03-34-1	Update nomenclature. Delete note for manual pressurization (TR-9).	
	03-34-3	Update CAS list and text (TR-10).	
	03-34-4	Insert notes for standby compass (TR-15).	
	03-34-5	Update CAS list and text (TR-10).	
	03-34-7	Delete LAV SMOKE (TR-17) and delete page 03-34-8 per text flow. Update O2 switch (TR-10).	
	Chapter 4 – Normal:		
	04-00-1	Update TOC.	
	04-02-2	Change "panel" to "door".	
	04-02-3	Modify Fuel water Drain procedure and insert first flight symbol.	
	04-02-4	Insert note for wear pins. Change "panel" to "door".	
	04-02-6	Modify fuel water drain procedure and insert first flight symbol.	

Revision /DOT Approval	Pages Affected	Description of Revision	DATE Incorporated /Signature
REV-1 W. Jupp 13 May, 2004 (cont)	04-02-7	Remove notes for FLAPS FAULT (A) (TR-13), and FLT SPOILERS DEPLOY (C)	
	04-02-8	Delete unnecessary text. Reword air data note. Delete step 16 TAWS WARN TERRAIN switch. Add RAM AIR switch checks.	
	04-02-9	Delete notes for APU GEN OVERLOAD (C) and SEC STAB TRIM FAIL (C). Add Therapeutic Oxy. Update format for Altimeter.	
	04-03-1	Delete ignition switch step.	
	04-03-2	Delete ignition switch steps. (TR-10). Update page reference.	
	04-03-3	Delete " (Two Engines) " .	
	04-03-4	Delete " (Two Engines) " and notes, chg text sequence (TR-10).	
	04-03-5, 04-03-6 (Deleted) 04-03-7 (Deleted)	Text flow change. Delete entire BEFORE TAXI (One engine) and TAXI AND BEFORE TAKEOFF (One Engine) procedure.	
	04-04-1	Change N LDG/TAXI light switch to OFF. Delete Caution for engine anti-ice (TR-10). Change Altimeter Set text. Add note for VOR waypoint.	
	04-04-2	Update nomenclature.	
	04-05-1	Delete Note for REVERSER FAIL (C) (TR-10).	
	04-05-2	Delete IGNITION switch. Delete APU BLEED switch (TR-10).	
	04-05-3 (Deleted)	Delete QUICK TURN-AROUND (No Eng Shutdown) procedure.	
	Chapter 5 – Non-Normal:		
	05-10-6	Update TOC (TR-10).	
	05-12-1	Delete note for AIR COND TEMP HIGH (C).	
	05-12-4	Update procedure for Manual Ditching.	
	05-12-5	Delete notes for AIR COND TEMP HIGH (C).	
	05-14-1	Add Yaw Damper Fail Note.	
	05-17-1	Update CAS list (TR-10). Add note for stby compass limit (TR-15)	
	05-17-2 & 05-19-2	Update CAS list (TR-10).	

Revision /DOT Approval	Pages Affected	Description of Revision	DATE Incorporated /Signature
REV-1 W. Jupp 13 May, 2004 (cont)	05-19-3	Clarify STALL PUSHER OFF not applicable to JAA aircraft. Update CAS list (TR-10).	
	05-19-4 & 05-19-5	Update CAS list (TR-10). Add EMER LTS switch procedures.	
	05-23-1	Update nomenclature.	
	05-23-2 thru 05-23-4	Delete/update notes.	
	05-23-5 & 05-23-6	Update nomenclature.	
	05-23-9	Clarify STALL PUSHER OFF not applicable to JAA aircraft.	
	05-24-1	Change FUEL PUMP switch Off to AUTO.	
	05-25-1	Update nomenclature.	
	05-25-4	Update nomenclature.	
	05-28-1	Delete BRAKE FAULT (TR-10).	
	05-28-2	Move text.	
	05-28-3	Remove "on landing" from first step of NWS FAIL.	
	05-29-1 & 05-29-2	Update nomenclature.	
	05-32-1 & 05-32-2	Add L (R) ENG DSPL MISCOMP (C) procedure.	
	05-32-3	Add (C) after IGN EI to distinguish from green message.	
	05-32-6	Add IGNITION switch procedure (TR-6).	
	05-32-7	Remove notes on idle times. Update Relight times and text (TR-28).	
	05-32-8	Add N ₂ table for Windmill Airstart. Update Relight times and text (TR-28).	
	05-40-2	Update TOC (TR-10).	
	05-57-1	Remove L (R) ENGINE ANTI-ICE FAULT (A), (TR-10).	
	05-62-1	Add Note.	
	Chapter 6 – Performance:	Update and reformat tables, charts and text (TR-14).	
	06-00-1 thru 06-00-11	Same as above.	
	06-01-1 thru 06-01-9	Same as above.	
	06-01-10	Add effectivity.	
	06-01-11	Add Noise Levels and effectivity.	

Revision /DOT Approval	Pages Affected	Description of Revision	DATE Incorporated /Signature
REV-1 W. Jupp 13 May, 2004 (cont)	06-01-12 thru 06-01-23	Update and reformat tables, charts and text (TR-14).	
	06-10-1 thru 06-10-43		
	06-20-1 thru 06-20-18		
	06-21-1 thru 06-21-43		
	06-22-1 thru 06-22-48		
	06-23-1 thru 06-23-43		
	06-24-1 thru 06-24-49		
	06-25-1 thru 06-25-4		
	06-30-1 thru 06-30-4		
	06-40-1 thru 06-40-4		
	06-41-1 thru 06-41-8		
	06-42-1 thru 06-42-8		
	06-43-1 thru 06-43-9		
	06-50-1 thru 06-50-8		
	Chapter 7 – Supplements		
	Supp 1 – Operation on Contaminated Runways:	Update and reformat tables, charts and text (TR-14).	
	07-00-1		
	07-01-00-1		
	07-01-11-1 thru 07-01-11-14		
	07-01-12-1 thru 07-01-12-14		
	07-01-13-1 thru 07-01-13-26		
	07-01-14-1 thru 07-01-14-26		
	07-01-21-1 thru 07-01-21-14		
	07-01-22-1 thru 07-01-22-14		
	07-01-23-1 thru 07-01-23-26		
	07-01-24-1 thru 07-01-24-26		
	07-01-31-1 thru 07-01-31-9		
	Supp 2 – MMEL Items:	Add Supplement 2 (TR-19).	
	07-02-00-1		
	07-02-01-1 thru 07-02-01-12		
	Chapter 8 – Appendices:	Add Chapter 8.	

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REV-1 W. Jupp 13 May, 2004 (cont)	08-00-1	Add Appendices TOC.	
	08-01-00-1	Add APPENDIX 1 Configuration Deviation List (CDL), (TR-18).	
	08-01-01-1		
	08-01-02-1		
	08-01-23-1		
	08-01-27-1		
	08-01-32-1		
	08-01-33-1		
	08-01-51-1		
	08-01-52-1		
	08-01-53-1		
	08-01-55-1		
	08-01-57-1		
	08-01-78-1		
REV-2 W. Jupp 09 Dec, 2004	Front Matter:		
	Approval Page	Remove MTOW from this page.	
	00-01-1 thru 00-01-8	Update Record of Revisions.	
	00-02-1 thru 00-02-4	Update Record of Temporaries.	
	00-03-1 thru 00-03-6	Update List of Effective Pages.	
	Chapter 2 – Limitations:		
	02-00-1	Update TOC.	
	02-02-1	Add weights and effectivities.	
	02-02-2	Add effectivity.	
	02-02-3	Add CG chart with effectivity.	
	02-03-2	Update Airspeed/Mach chart.	
	02-03-3	Remove Crosswind Limitation.	
	02-05-2	Add JP-4, JET B to Temp Limitations list.	
	Chapter 3 – Normal:		
	04-03-2	Move XBLEED switch from External to Crossbleed Engine Start, and added steps (RS-8).	

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REV-2 W. Jupp 09 Dec, 2004 (cont)	Chapter 6 – Performance:		
	06-00-1 and 06-00-2	Update TOC.	
	06-01-1 thru 06-01-11	Add lb/gal vol. conversion table, Update page and fig. numbers.	
	06-01-12	Add Demonstrated Crosswinds.	
	06-01-13 thru 06-01-24		
	06-01-25 (Added)	Update page and fig. numbers.	
	06-20-3	Add note for V ₁ .	
	06-21-6 thru 06-21-16	Update MTOW data.	
	06-22-2 thru 06-22-12	Update MTOW data.	
	06-23-6 thru 06-23-16	Update MTOW data.	
	06-23-18 thru 06-23-28	Update MTOW data.	
	06-23-30 thru 06-23-40	Update MTOW data.	
	06-24-2 thru 06-24-12	Update MTOW data.	
	06-24-14 thru 06-24-24	Update MTOW data.	
	06-24-26 thru 06-24-36	Update MTOW data.	
	06-24-40 thru 06-24-45	Update MTOW data.	
	06-25-2 thru 06-25-5	Update MTOW data.	
	06-30-2 thru 06-30-5	Update MTOW data.	
	06-41-2 thru 06-41-7	Update MTOW data.	
	06-41-8	Delete page.	
	06-42-2 thru 06-42-7	Update MTOW data.	
	06-42-8	Delete page.	
	06-43-6 and 06-43-7	Update MTOW data.	
	Chapter 7 – Supplements		
	Supp 1 – Operation on Contaminated Runways:		
	07-00-1	Update Log of Supplements.	
	07-01-00-1 thru 07-01-00-4	Update TOC.	
	07-01-00-6 thru 07-01-00-8	Update TOC.	
	07-01-00-9	Add page.	
	07-01-01-1	Update text.	
	07-01-01-2 thru 07-01-01-5	Update MTOW data.	
	07-01-11-2 thru 07-01-11-12	Update MTOW data.	
	07-01-12-2 thru 07-01-12-12	Update MTOW data.	

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REV-2 W. Jupp 09 Dec, 2004 (cont)	07-01-13-2 thru 07-01-13-14	Update MTOW data.	
	07-01-13-15 thru 07-01-13-26	Delete pages.	
	07-01-14-2 thru 07-01-14-12	Update MTOW data.	
	07-01-14-14 thru 07-01-14-26	Update MTOW data.	
	07-01-15-1 thru 07-01-15-26	Add page. Update data.	
	07-01-21-2 thru 07-01-21-12	Update MTOW data.	
	07-01-22-2 thru 07-01-22-12	Update MTOW data.	
	07-01-23-2 thru 07-01-23-14	Update data.	
	07-01-23-15 thru 07-01-23-26	Delete page.	
	07-01-24-2 thru 07-01-24-12	Update data.	
	07-01-24-14 thru 07-01-24-26	Update MTOW data.	
	07-01-25-1 thru 07-01-25-26	Add page. Update data.	
	07-01-31-2	Update MTOW data.	
	07-01-32-1 thru 07-01-32-3	Update section number and data.	
	07-01-33-1 thru 07-01-33-3	Update section number and data.	
	07-01-34-1 thru 07-01-34-3	Update section number and data.	

Revision /DOT Approval	Pages Affected	Description of Revision	DATE Incorporated /Signature
REV-3 W. Jupp 28 Apr, 2005	02-04-2	Add information to meet the requirements of the Honeywell FADEC v10b, and Rockwell Collins v6.0 software upgrades.	
	03-19-2		
	03-34-3		
	03-34-5		
	04-02-8		
	04-03-3		
	05-10-4		
	05-10-5		
	05-12-2		
	05-12-6		
	05-19-2 thru 05-19-5		
	05-24-1		
	05-27-5		
	05-27-5.1		
	05-27-6,7		
	05-32-3		
	05-40-1		
	05-40-2		
	05-43-1		
	05-54-1		
	05-62-1		
	08-01-02-1	Replace the verbiage "structurally limited weights" with "maximum certified weights" in the CDL. (RS-9)	
	08-01-27-1		
	08-01-32-1		
	08-01-33-1		
	08-01-51-1		
	08-01-52-1		
	08-01-53-1		
	08-01-55-1		
	08-01-57-1, 08-01-57-2		
REV-4 W. Jupp 16 Aug 2005	02-06-2	Remove reference to "Addendum II – ENGINE OIL SERVICING".	
	03-23-3	Correct the circuit breaker panel numbers.	
	07-01-31-3	Add Correction Chart for Actual Landing Distance – ICE – 30°.	

Revision /DOT Approval	Pages Affected	Description of Revision	DATE Incorporated /Signature
REV-4 W. Jupp 16 Aug 2005 (cont)	07-01-31-4	Delete duplicate data.	
	07-00-1, 07-03-00-1, 07-03-01-1 thru 07-03-01-7	Add Supplement-3 to the AFM for CAT II Operations. (TR-23)	
	02-06-3	Replacement of the APU Starter Clutch for Improved Cold Weather Operation. (TR-26)	
	02-06-4		
	03-27-1	Revise WING ANTI-ICE LEAK (W) procedure. (TR-29)	
	03-27-2		
	02-04-2	Update FMS Limitations for aircraft with/and without SB 100-11-01 installed. (TR-33)	
	02-01-3	Reference FCOM vol.1, Supplement-1 for cold weather operations.	
	02-04-2	FMS – Incorporate a directive to reset FUEL USED after reinstalling batteries.	
	02-03-4	Expand the temperature limitations for ground exposure for applicable aircraft. (TR-34)	
	02-06-1		
	02-06-2		
	03-19-1 thru 03-19-4, 03-23-4 thru 03-23-6, 03-25-1	Specify by aircraft effectivity the procedures and associated CAS messages for the Hydraulic Motor Driven Generator (HMDG) for pre/post PSEU software version 10 upgrade. Also to incorporate procedures to minimize the possibility of cascade failures of generators, and to allow recovery of generators taken off bus due to an internal failure of a Direct Current Motor-Driven Pump (DCMP). (TR-35)	
	03-25-2, 03-28-1 thru 03-28-3, 03-29-1		
	03-29-2, 03-32-7, 04-04-1		
	04-04-2, 05-10-3		
	05-10-4, 05-19-1		
	05-19-2, 05-23-5 thru 05-23-7, 05-25-1 thru 05-25-3, 05-25-5		
	05-25-6		
	05-29-1 and 05-29-2		
	03-19-1 thru 03-19-4	Correct aircraft effectivities and procedures for the Hydraulic Motor Driven Generator (HMDG) for pre/post PSEU software v10 upgrade.	
	05-25-1	Correct procedures to minimize the possibility of cascade failures of generators, and to allow recovery of generators taken off bus due to an internal failure of a Direct Current Motor-Driven Pump (DCMP). (TR-35-1)	
	05-25-2		

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REV-4 W. Jupp 16 Aug 2005 (cont)	06-00-10, 06-20-9 thru 06-20-12, 06-25-6	Add information for Final Segment Net Climb Gradient. (TR-36)	
	02-00-1	Add a takeoff limitation to emphasize requirement for an aerodynamically clean airplane during cold weather operation. (TR-37)	
	02-03-3		
	02-04-2	Incorporate information for verification of V-speed data for Single and Dual FMS. (TR-38)	
	05-28-2	Modify the GEAR SYS FAIL (C) & WOW FAIL (C) procedures, and add a PROX SYS FAULT (A) procedure in the AFM. (TR-39)	
	05-28-5		
	05-40-2		
	05-58-1		
	05-23-1	Add a CAUTION to the FLAPS FAIL (C) procedure regarding an unreliable Low Speed Cue indication. (TR-40)	
	07-02-00-1	Update Supp. 2 – MMEL, for One AHRS Channel inoperative, and Radio Altimeter Inoperative. Correct the Nosewheel Steering data. (RS-7)	
	07-02-01-1		
	07-02-01-12		
	07-02-01-13		
	07-02-01-14		
	04-03-3	Add the option of performing first flight anti-ice system checks at Before Taxi, or After Landing. (RS-11)	
	04-05-2		
REV-5 W. Jupp Feb 08, 2006	02-06-3	Revise APU Altitude Limitations regarding Bleed Air for ECS, with/without SB100-21-05. (RS-16)	

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REV-6 W. Jupp Jul 31, 2006	02-00-1 and -2	Update TOC.	
	06-00-1	Update TOC.	
	03-19-2	Raise altitude limit from 25,000 to 31,000 ft. (RS-10)	
	05-12-3		
	05-19-2		
	05-19-4 and 05-19-5		
	05-10-5	Change CAS message from: L (R) WING A/ICE FAIL, to: L (R) WING ANTI-ICE FAIL (RS-15)	
	05-19-2		
	05-27-5 and -5.1		
	05-27-6		
	05-54-1	Add a step to monitor the wing fuel quantity when the GRAVITY XFLOW valve fails to close. (RS-18)	
	03-19-1	Delete references to PTU. (Information is covered in an SB). (RS-20)	
	03-19-2		
	03-19-3		
	03-34-7	Add a step to close the lavatory door to control smoke migration. (TR-41)	
	02-03-3	Add crosswind limitations for SAAU airplanes. (TR-42)	
	02-03-4		
	02-03-4 thru 02-03-6	Add data for airplanes on the RF and CIS countries' registry. (TR-43)	
	02-04-2 thru 02-04-8		
	03-00-1		
	03-17-1 thru 03-17-5		
	03-23-6		
	03-25-1		
	03-29-1 and 03-29-2		
	03-32-1		
	06-01-12		
REV-7 W. Jupp Sep 29, 2006	02-04-6A		Add Limitations for Integrated Flight Information System (IFIS)
	05-10-2	Update TOC.	
	05-17-3 and 05-17-4	Add data for IFIS (RS-22)	

Revision /DOT Approval	Pages Affected	Description of Revision	DATE Incorporated /Signature
REV-8 W. Jupp Apr 18, 2007	02-01-1	Adds statements to support AC 90-100 En Route and Terminal RNAV Operations. (RS-14)	
	02-01-2 & -3 & TR-20	To update effectivities, and permanently incorporate TR-20 into the manual. (RS-28, TR-20)	
	02-04-6	To update PRNAV limitations and add FMS information for runways with a displaced threshold. (RS-24)	
REV-9 W. Jupp Jun 08, 2007	04-02-2	To add a step at the walkaround inspection [for FAA registered airplanes], to ensure that torque link quick disconnect is connected. (RS-29)	
REV-10 W. Jupp Nov 20, 2007	Approval Page – Brazil	To add information for Brazilian registered airplanes. (RS-34)	
	02-04-6A		
	03-12-2		
	03-12-2A		
	05-12-2		
	05-12-2A		
	05-12-3		
	02-01-1	To update AC 90-100 to revision AC 90-100A. (RS-30)	
	02-05-1	To update approved fuel anti-icing additives. (RS-19)	
	03-12-3	To increase wait time for Trim Air Leak/Pack Leak. (RS-33)	
	03-12-4		
	08-01-02-1	To add requirement for listing all missing parts in the Flight Release prior to aircraft dispatch. (RS-21)	
REV-11 R.W. Walker Oct 31, 2008	Approval Page – Argentina	To add information for Argentinean registered airplanes. (RS-41)	
	02-01-1		
	02-01-2		
	02-04-7 02-04-8		
REV-12 R.W. Walker Jan 16, 2009	All	Complete reissue – Manual reformatted. (RS-38) Incorporated all active Temporary Revisions: TR-4, TR-44-1, TR-45, TR-46, TR-47, TR-48, TR-49, TR-50. (RS-38) To remove APU 5-minute starting limitation following de-icing procedures. (RS-39) To clarify AIR COND TEMP HIGH Non-Normal Procedure. (RS-40)	

Revision /DOT Approval	Pages Affected	Description of Revision	DATE Incorporated /Signature
REV-13 R.W. Walker Apr 15, 2009	05-32-4	To correct IGN (EI icon) (C) procedure. (RS-44)	

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REV-14 R.W. Walker Jul 29, 2009	02-03-5 02-03-6 02-04-2 02-04-4 02-04-5 02-04-6 02-04-7 02-04-8 02-06-2 02-06-3 03-12-2 03-19-1 03-29-2 03-34-3 03-34-5 04-02-2 04-02-6 04-02-7 04-03-3 04-03-4 04-04-1 04-04-2 04-05-1 04-05-2 05-12-2 05-12-3 05-12-5 05-12-7 05-19-2 05-19-3 05-19-4 05-19-5 05-23-1 05-24-1 05-24-2 05-27-5 05-27-6 05-27-7 05-27-8 05-27-9 05-27-10 05-32-4 05-32-5 05-32-6 05-32-7 05-32-8 05-32-9 05-32-10 05-42-1 05-54-1 05-57-1 05-62-1 07-02-00-1 07-02-01-1 07-02-01-19 07-02-01-20	Removal of reference to Service Bulletin SB100-76-01, replaced with SB100-34-18 for ENG SYNC/M-HOLD FAIL (A) procedure. (RS-25) Removal of reference to Service Bulletin SB100-52-05 and associated data. (RS-25) Removal of reference to Service Bulletin SB100-32-13 and associated data. (RS-25) Correction of terminology (AHRS Unit) in Supplements chapter. (RS-25) Correction of Cabin Delta P information. (RS-25) Addition of step in Normal Procedures to reflect digital clock power source relocation. (RS-25) Introduction of Unpressurized Flight procedure. (RS-43) Introduction of L (R) PYLON LOOP FAIL Advisory message post SB100-34-18. (RS-46) Introduction of WING A/ICE LOOP FAIL Advisory message post SB100-34-18. (RS-46) Correction of max altitude to 31,000 feet for CABIN PRESS FAULT (C) procedure. (RS-46) Correction of effectivity for Service Bulletin SB100-34-18. (RS-46) Revision of Ditching procedure to include passenger door as an emergency exit. (RS-47) Revision of CAUTION in FLAPS FAIL (C) procedure regarding Low Speed Awareness Cue. (RS-48) Clarification of IFIS limitations regarding use of aircraft symbol. (RS-49) Clarification of brake warming techniques. (RS-50) Clarification of power up procedure. (RS-51) Clarification of Cold Weather Operations limitations. (RS-52) Introduction of new FMS limitation. (RS-53) Change of altitude limit for L (R) FUEL PRESSURE LOW (C) procedure. (RS-54)	

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REV-15 M. Brulotte Dec 02, 2009	03-23-1 03-25-2 03-28-1 03-29-3 05-25-2 05-25-3 05-25-5 05-25-6 05-28-2 05-28-3 05-28-4 05-28-5 05-28-6 05-28-7 05-28-8 06-01-12	Clarification of Stall Recovery procedure. (RS-57) Introduction of Caution regarding use of Landing Gear Manual Release handle. (RS-55) Correction of gust factor for crosswind landings. (RS-56)	
REV-16 W. Istchenko Jul 14, 2010	Approval Page – CAAC 01-01-3 02-04-4 02-04-5 02-04-6 02-04-7 02-04-8 02-04-9 02-04-10 02-05-1 02-05-4 04-02-10 04-04-2 04-04-3	Introduction of CAAC Approval Page. (RS-64) Introduction of Service Bulletin List. (RS-67) Clarification of GPS limitations and procedures. (RS-45) Introduction of GPS 4000S with WAAS capability. (RS-45) Clarification of Oceanic and Remote Operation limitations. (RS-66) Introduction of Chinese fuel grade. (RS-64) Clarification of Service Bulletin presentation. (RS-63) Incorporation of TR-55. (RS-64) Incorporation of TR-58. (RS-45)	
REV-17 W. Istchenko Oct 01, 2010	02-02-1 02-02-2	Expansion of CG Envelope / Increase in Maximum Zero Fuel Weight. (RS-60)	
REV-18 W. Istchenko Oct 20, 2010	07-04-01-1 07-04-01-2 07-04-01-3 07-04-01-4 07-04-01-5 07-04-01-6 07-04-01-7 07-04-01-8 07-04-01-9 07-04-01-10 07-04-01-11 07-04-01-12 07-04-01-13 07-04-01-14 07-04-01-15	Introduces the following change to the Airplane Flight Manual: – New AFM Supplement – Takeoff From Short Runways. (RS-71)	

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REV-18 W. Istchenko Oct 20, 2010 (cont)	07-04-01-16 07-04-01-17 07-04-01-18 07-04-01-19 07-04-01-20 07-04-01-21 07-04-01-22 07-04-01-23 07-04-01-24 07-04-01-25 07-04-01-26 07-04-01-27 07-04-01-28 07-04-01-29 07-04-01-30 07-04-01-31 07-04-01-32 07-04-01-33 07-04-01-34 07-04-01-35 07-04-01-36 07-04-01-37 07-04-01-38 07-04-01-39 07-04-01-40 07-04-01-41 07-04-01-42 07-04-01-43 07-04-01-44 07-04-01-45 07-04-01-46 07-04-01-47 07-04-01-48 07-04-01-49 07-04-01-50 07-04-01-51 07-04-01-52 07-04-01-53 07-04-01-54 07-04-01-55 07-04-01-56 07-04-01-57 07-04-01-58 07-04-01-59 07-04-01-60 07-04-01-61 07-04-01-62	Introduces the following change to the Airplane Flight Manual: – New AFM Supplement – Takeoff From Short Runways. (RS-71)	
REV-19 W. Istchenko Jan 21, 2011	07-00-00-1	Revises Log Of Supplements to reflect RS-71.	

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REV-20 W. Istchenko Apr 05, 2011	01-01-3 02-03-1 02-03-2 02-03-3 02-04-5 02-04-6 02-04-7 02-04-8 02-04-9 02-04-10 02-06-4 05-17-4 05-17-5 05-17-6	Introduces the following changes to the Airplane Flight Manual: - GPS 4000S-WAAS - Further clarification of Limitations. (RS-65) Incorporation of TR-53. (RS-75) Incorporation of TR-54-1. (RS-75) Incorporation of TR-59. (RS-69) Introduction of a new ISI by SB 100-34-029. (RS-74)	
REV-21 W. Istchenko Jul 21, 2011	04-02-2 04-02-3 04-02-4 04-02-5 04-02-6 04-02-7 04-02-8 04-02-9 04-02-10 04-03-1 04-03-3 04-03-4 04-05-2 05-29-2 05-29-3 07-01-01-1 07-01-01-2	Introduces the following changes to the Airplane Flight Manual: - Clarification of Setting/Releasing Park/Emer Brake. (RS-59) - Check of floor lights is added to first flight of day checks. (RS-73) - Addition of a step to select FLAPS TAWS WARN off in Wing Anti-Ice Failure Landing procedure. (RS-68) - Expansion of equivalent depths for runway contaminants. (RS-62)	
REV-22 Oct 19, 2011	NA	Not issued.	

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REV-23 W. Istchenko Jan 30, 2012	02-01-1 02-01-2 02-01-3 02-01-4 02-04-2 02-04-5 02-04-6 02-04-7 02-04-8 02-04-9 02-04-10 05-25-1 05-25-2 05-25-3 07-00-00-1 07-05-01-1 07-05-01-2 07-05-01-3 07-05-01-4 07-05-01-5 07-05-01-6 08-01-23-1 08-01-23-2 08-01-27-1 08-01-27-2 08-01-27-3 08-01-27-4 08-01-32-1 08-01-32-2 08-01-32-3 08-01-32-4 08-01-33-1 08-01-33-2 08-01-51-1 08-01-51-2 08-01-52-1 08-01-52-2 08-01-53-1 08-01-53-2 08-01-55-1 08-01-55-2 08-01-57-1 08-01-57-2 08-01-57-3 08-01-57-4 08-01-78-1 08-01-78-2	Introduces a new supplement – Operational Capabilities. (07-05-01) (RS-76) Revises Limitations chapter to reflect the relocation of operational capabilities to the new supplement. (07-05-01) (RS-76) Incorporation of TR-57 in the new supplement – 07-05-01. Revises L (R) HYD PRESS LOW (C) procedure to remove the rhombus for “Quantity is dropping rapidly” and step 1. (05-25) (RS-77) Addition of CDL illustrations. (08-01) (RS-61)	
REV-24 Apr 02, 2012	NA	Not issued.	

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REV-25 W. Istchenko Jul 17, 2012	02-06-4 03-12-4 03-15-1 03-17-7 03-23-1 04-04-2 04-05-2 05-12-1 05-12-6 05-12-7 05-15-1 05-15-2 05-17-2 05-32-8 05-32-9 07-05-01-1	Revises TAWS Aural procedure to re-order the Flight Spoilers retraction step. (RS-79)(03-17) Revises Windshear aural procedure to add a Flight Spoilers retraction step. (RS-79)(03-17) Revises STALL on PFD procedure to refer to APR instead of TO. (RS-79)(03-23) Revises dual engine Go-Around procedure to add a Flight Spoilers retraction step. (RS-79)(04-04) Revises L (R) IAPS FAIL (C) procedure to add steps to select serviceable FMS or MANUAL for LNDG ALT source. (RS-79)(05-17) Revises single engine Go-Around procedure to add a Flight Spoilers retraction step. (RS-79)(05-32) Revises APU FIRE (W) procedure to add rhombus steps and re-order bleed steps. (RS-80)(03-15) Revises APU OVERTEMP (W) procedure to add steps for bleed re-configuration. (RS-80)(03-15) Revises APU FUEL SOV FAIL (C), APU OIL PRESS LOW (C), APU OIL TEMP HIGH (C), and APU OVERSPEED (C) procedures to add rhombus steps. (RS-80)(05-15) Revises PACK LEAK (W), AIR COND TEMP HIGH (C), PACK FAIL (C), PACK LOOP FAIL (C), and PACK TEMP HIGH (C) procedures to add three steps in each procedure. (RS-81)(03-12)(05-12) Revises the order of insertion of the gear pins in the Shutdown checklist. (RS-85)(04-05) Revises approved oils for the APU. (RS-86)(02-06) Updates the RVSM statement for FAA AC 91-85 in the Operational Capabilities supplement. (RS-88)(07-05-01)	
REV-26 Oct 05, 2012	Front Matter 00-01-20 00-02-5 00-03-1	Updates Record of Revisions. Updates Record of Temp. Revs. Updates List of Effective Pages.	

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REV-27 W. Istchenko Jan 31, 2013	02-05-1 02-05-4 03-19-1 03-23-1 03-32-4 03-32-5 03-32-9 03-32-10 03-32-15 03-32-16 05-17-7 05-23-5 05-23-6 05-27-9 05-27-10 05-32-5 05-32-6 05-32-9 05-32-10 05-32-11 05-55-1	Revises Chinese fuel specification. (02-05) (RS-90) Revises ESSENTIAL POWER ONLY (W) procedure to move step 4 to step 1. (03-19-1) (RS-92) Revises STALL recovery procedure to add step 6. (03-23-1) (RS-92) Revises L(R) ENGINE FIRE (W) procedure to include After Takeoff steps. (03-32) (RS-91) Revises L(R) REVERSER UNSAFE (W) / REV EI procedure to include After Takeoff steps. (03-32) (RS-91) Revises Engine Failure procedure to include After Takeoff steps. (03-32) (RS-91) Revises FSU INOP procedure title from text format to the correct MFD message format. (05-17-7) (RS-92) Clarifies two conditions in PRI STAB TRIM FAIL (C) procedure. (05-23) (RS-93) Adds Wing Anti-Ice Failure Landing procedure. (05-27) (RS-91) Adds Single Engine Landing procedure. (05-32) (RS-91) Revises Engine Shutdown In Flight procedure to include an Electrical Load step. (05-32) (RS-91) Revises Single Engine Go-Around procedure to add After Takeoff steps. (05-32) (RS-91) Revises AUX HYD PUMP FAIL ON (A) procedure to add a step to select the pump to AUTO before landing. (05-55) (RS-78)	
REV-28 W. Istchenko May 06, 2013	01-01-3 07-05-01-1 07-05-01-6	Updates SB list to include SB 100-23-21 for Link 2000+ ATN CPDLC. (01-01) (RS-94) (TR-63) Updates data link system for the introduction of Link 2000+ ATN CPDLC capability. (07-05) (RS-94) (TR-63)	

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REV-29 W. Istchenko Jun 07, 2013	01-01-3 01-01-4 02-01-2 02-01-3 02-01-4 02-03-6 02-03-7 02-03-8 02-04-2 02-04-3 02-04-4 02-04-5 02-04-6 02-04-7 02-04-8 02-04-9 02-04-10 02-04-11 02-04-12 02-04-13 02-04-14 03-32-13 03-32-14 03-32-15 04-02-7 04-02-10 04-05-1 04-05-2 04-05-3 05-17-1 05-17-2 05-17-3 05-17-4 05-17-5 05-17-6 05-17-7 05-17-8 05-17-9 05-17-10 05-27-1 05-47-1 05-57-1 07-00-00-1 07-03-01-2 07-05-01-2 07-05-01-3 07-05-01-4 07-05-01-5 07-05-01-6 07-05-01-7 07-05-01-8 07-05-01-9	Updates SB list to include the following service bulletins: - 100-23-22 - 100-34-23 - 100-34-28 - 100-34-36 - 100-34-39. (01-01) (RS-83) Introduces the following changes to the Airplane Flight Manual: Incorporation of the following Service Bulletins: - 100-23-22 - 100-34-36 - 100-34-39. (RS-83) Revises the Dual Engine Flameout procedure to add data to ensure continued N2 rotation. (03-32) (RS-89)	

Revision /DOT Approval	Pages Affected	Description of Revision	DATE Incorporated /Signature
REV-29 W. Istchenko Jun 07, 2013 (contd)	07-06-01-1 07-06-01-2 07-06-01-3 07-06-01-4 07-06-01-5 07-06-01-6 07-06-01-7 07-06-01-8		
REV-30 Jul 25/2013	Front Matter 00-01-23 00-02-6 00-03	Updates Record of Revisions. Updates Record of Temp. Revs. Updates List of Effective Pages.	
REV-31 W. Istchenko Sep 06, 2013	02-01-2 02-03-6 02-03-8 02-04-3 02-04-4 02-04-5 02-04-9 02-04-10 02-04-11 02-04-12 02-04-13 02-04-14 04-05-3 05-17-4 05-27-1 05-47-1 05-57-1 07-00-00-1 07-05-01-2 07-05-01-6 07-06-01-1	Removes the EASA registered aircraft restriction statement. Incorporation of the following TRs: - TR-64 - TR-65. (RS-108)	
REV-32 Oct 15/2013	Front Matter 00-01-23 00-03	Updates Record of Revisions. (To harmonize revision number) Updates List of Effective Pages.	
REV-33 W. Istchenko Jan 29, 2014	02-04-12 04-02-2 05-32-4 07-05-01-6	Deletes weather radar limitation. (RS-109) Incorporates TR-68 (02-04-12). L and R BATT selection revised to prevent uncommanded APU start. (RS-104) Incorporates TR-66 (04-02-2). Revises L (R) START ABORTED (C) procedure to ensure the engine is motored for 30 seconds after an aborted start. (RS-97)(05-32-4) Operational Capabilities Supplement revised to include the aircraft production effectivity for GPS / WAAS. (RS-98) Incorporates TR-62 (07-05-01-6).	

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REV-34 W. Istchenko May 08, 2014	00-02-6 01-01-3 02-04-14 03-19-1 03-19-3 03-23-2 03-23-3 03-23-5 03-23-7 03-23-8 03-25-1 03-25-2 03-28-2 03-29-1 03-29-2 03-32-1 03-32-4 03-32-5 03-32-6 03-32-8 03-32-9 03-32-10 03-32-11 03-32-15 03-32-16 03-34-4 03-34-6 04-02-7 04-02-9 04-04-1 04-04-2 04-05-2 05-17-6 05-23-2 05-23-6 05-25-1 05-25-2 05-25-4 05-25-5 05-27-8 05-29-1 05-29-2 05-32-1 05-32-2 05-32-3 05-32-5 05-32-9 05-32-10 05-54-1 06-43-7	Updates Record of Temporary Revisions. Incorporates RS-82: Incorporates SB 100-29-18: Introduction of Brushless DCMF for Left and Right Hydraulic Systems. Removes references to SB 100-29-11 and associated data. To add step 5 for a maximum altitude of 31000 feet after the master disconnect switch is released in the Pitch Axis Uncommanded Motion or "Trim Clacker" procedure. (RS-100) (03-23-2,3) L and R BATT selection revised to prevent uncommanded APU start. (RS-114) (04-02-7) Incorporates TR-69 (04-02-7).	

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REV-35 W. Istchenko Jul 04, 2014	01-01-4 02-01-2 02-04-3 02-04-4 02-06-4 03-32-15 05-17-4 05-27-1 05-47-1 05-57-1 07-05-01-2 07-05-01-6 07-05-01-8	Incorporates RS-121: To add SB 100-34-32 FEDEX Retrofit avionics. Incorporates RS-115: To clarify APU start limitations. (02-06-4) To remove TR-72. Incorporates RS-99: To add a note after step 4 in the Above V ₁ Speed sub-procedure. (03-32-15)	
REV-36 W. Istchenko Oct 31, 2014	00-02-6 00-02-7 01-01-4 02-04-11 03-17-1 03-17-2 03-17-3 03-27-1 04-02-10 04-03-2 05-47-1 06-01-9 06-01-10 06-01-11 07-00-00-1 07-05-01-8 07-08-01-1 07-08-01-2 07-08-01-3	Updates Record of Temporary Revisions. To remove TR-76. To add SVS data. (RS-118) To remove TR-75. To update the MFD HDG and PFD ATT and HDG annunciations procedures. (RS-119) To remove TR-73. To clarify WING ANTI-ICE LEAK warning message procedure. (RS-111) To add a second note for IRS operation. (RS-119) To clarify FLIGHT SPOILERS check extension operation in the Before Taxi procedure. (RS-103) To update aircraft effectivity for FANS. (RS-126) To update Certificated Noise Levels. (RS-102) To add a new Supplement 8 for FAA Registered Aircraft re Certificated Noise Levels. (RS-102)	
REV-37 Feb 05, 2015	Front Matter 00-01-25 00-03	Updates Record of Revisions. (To harmonize revision number) Updates List of Effective Pages.	
REV-38 Mar 31, 2015	Front Matter 00-01-25 00-03	Updates Record of Revisions. (To harmonize revision number) Updates List of Effective Pages.	
REV-39 W. Istchenko Jun 30, 2015	05-14-1	To add a warning note to the AP HOLDING procedure and the AP STAB TRIM FAIL procedure. (RS-105)	
REV-40 Sep 28, 2015	Front Matter 00-01-25 00-03	Updates Record of Revisions. (To harmonize revision number) Updates List of Effective Pages.	

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REV-41 W. Istchenko Dec 22, 2015	00-02-7 01-01-4 03-23-1 03-23-3 03-23-4 03-23-5 05-17-4 05-17-5 05-47-1 07-05-01-5 07-05-01-6 07-05-01-8 07-05-01-9	Update of ROTR. (TR-79) To add procedural coverage for the following: - XPDR 1 & 2 FAIL (C) - XPDR 1 FAIL (C) and XPDR 2 FAIL (C) - XPDR 1 (2) FAIL (C) - ADS-B OUT FAIL (C) - ADS-B OUT FAULT (C) - XPDR 1 (2) FAIL (A) - TSS FAN FAIL (A) - XPDR IN STBY (S) - Overspeed Clacker Tone. (RS-120) (SB 100-34-42) To add ADS-B Out data in Operational Capabilities. (RS-120) (SB 100-34-42) Pitch Axis Uncommanded Motion procedure revised for Trim Clacker Tone. (RS-120)	
REV-42 W. Istchenko Mar 31, 2016	05-17-10 07-06-01-7	Addition of a note regarding 121.50 selection in Radio Tuning Failure procedure. (RS-122) RAAS updates. (RS-142)	
REV-43 W. Istchenko Jun 22, 2016	03-17-3 03-17-8 04-04-2 07-03-01-2 07-03-01-3 08-01-52-1 08-01-52-2 08-01-57-3 08-01-57-4	Adds Radio Altimeter Failure procedure Updates of RA procedures and CAT II operations. (RS-141) Addition of Main Passenger Door Plug. Addition of erosion tape on flap fairings (canoes). (RS-144)	
REV-44 W. Istchenko Sep 20, 2016	05-32-7 05-32-8	To add a transponder step in After Start checklist and to reformat titles for START checklists. (RS-112)	

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REV-45 W. Istchenko Sep 26, 2016	01-01-1 01-01-2 01-01-3 01-01-4 02-01-1 02-01-2 02-01-3 02-04-1 02-04-2 02-04-3 02-04-4 02-04-5 02-04-6 02-04-7 02-04-8 02-04-9 02-04-10 02-04-11 02-04-12 02-04-13 02-04-14 02-04-15 02-04-16 02-04-17 02-04-18 02-04-19 02-04-20 03-17-1 03-17-2 03-17-3 03-17-4 03-17-7 04-02-2 04-02-8 04-02-10 04-02-11 04-03-2 04-03-3 04-03-4 04-05-1 04-05-2 05-14-1 05-14-2 05-17-1 05-17-2 05-17-3 05-17-4 05-17-5 05-17-6 05-17-7 05-17-8 05-17-10	FMS update to V2.2. Activation of RNP AR. (RS-149) (Incorporates TR-60)	

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REV-45 W. Istchenko Sep 26, 2016	05-17-11 05-17-12 07-03-01-1 07-03-01-2 07-03-01-3 07-05-01-1 07-05-01-2 07-05-01-3 07-05-01-4 07-05-01-5 07-05-01-6 07-05-01-7 07-05-01-8 07-05-01-9 07-07-01-1 07-07-01-2 07-07-01-3 07-07-01-4.	FMS update to V2.2. Activation of RNP AR. (RS-149) (Incorporates TR-60)	
REV-46 W. Istchenko Dec 15, 2016	08-01-02-1.	Revises CDL limits. (RS-132)	
REV-47 W. Istchenko Mar 09, 2017	Front Matter 00-01-28 00-03	Updates Record of Revisions. (To harmonize revision number) Updates List of Effective Pages.	
REV-48 W. Istchenko Jul 03, 2017	03-17-9 to 03-17-22 04-04-2	Addition of procedures for Unreliable Airspeed. (RS-135) (Incorporates TR-80)	
REV-49 W. Istchenko Oct 26, 2017	02-03-5, 02-03-6, 02-04-5 05-17-4 Various (non-technical)	Removal of upper fuselage from critical surface definition for cold weather operations. (RS-147) To add prohibition of the use of FMS temperature compensation and limitation regarding waypoints entering in FMS. To update FMC SW identifier. To add Loss of FMS procedure. (RS-155) Various pages issued with revision bars due to changes in the software attributes; however, the text remains unchanged. These changes correct hyperlink functionality issues. (FMCR-GX-101)	

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REV-50 W. Istchenko Dec 18, 2017	02-05-1 04-02-10	Addition of a NOTE to include reference to semi-synthetic jet fuels. (RS-154) Various pages reissued due to changes in the software attributes; however, the text remains unchanged.	
REV-51 Mar 15, 2018		Various pages reissued due to changes in the software attributes; however, the text remains unchanged.	
REV-52 W. Istchenko Jun 12, 2018	03-01-1 07-05-01-8 07-05-01-9	Revises the term memory items to immediate action items in the general section (BDUC17-10-10). RS-160 Clarification of ADS-B operational capabilities. (RS-161) (BDUC17-11-13) FANS compliance in accordance with guidance contained in AC20-140A. (RS-163) (Incorporates TR-83)	
REV-53 W. Istchenko Sep 5, 2018	02-03-6 02-04-1 02-04-9 02-04-15 03-20-1 03-32-3 to 03-32-5 03-32-16 04-05-2 06-24-53	To remove the Altitude/Temperature Limitations table and data for aircraft 20408-20500. To move STBY INST switch step to before the step for L and R BATT switches. To revise steps in Engine Fire checklist for Below and Above V1 Speeds and In-Flight procedures. To add a step to select CABIN DC and AC PWR switches to OFF. (RS-113) Introduces the following changes to the Airplane Flight Manual: - Addition of warning to AFCS limitations. - Addition of limitation to verify waypoint constraints. - Addition of procedure for engine failure in climb during ALTS CAP. (RS-157) No technical change to Performance Data – Distance to Accelerate From V2 to Final Segment Speed , the page has been republished due to a change in the software attributes.	

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REV-54 W. Istchenko Dec 3, 2018	04-02-9 04-03-2	Revises the BEFORE STARTING ENGINES and BEFORE TAXI checks. (RS 164) (Incorporates TR 84).	
REV-55 W. Istchenko Apr 8, 2019	03-17-5 05-23-7 to 05-23-10 06-40-3 07-01-01-2 07-01-01-5	Introduces the following changes to the Airplane Flight Manual: - Replacement of the term wet or slippery with wet (RS-156). - Addition of limitations for operating on contaminated runways (RS-156). - Addition of TCAS aural for airplanes 20353 and subsequent, and for airplanes incorporating SB 100-34-30 (RS-166). - Revises Flight Controls Non-Normal procedures (RS-169 and TR-85).	
REV-56 W. Istchenko Jul 8, 2019	05-12-8 05-12-9 05-19-5 05-19-6	Introduces the following changes to the Airplane Flight Manual: - Addition of Manual Cabin Pressurization Control procedure (RS 107) - Addition of Unexpected Electrical Indications procedure (RS 171 and TR-61).	
REV-57 A. Hartono Oct 4, 2019	02-04-3	Introduces the following changes to the Airplane Flight Manual: - Addition of limitation regarding the use of dual satellite systems (RS-158).	
REV-58 A. Hartono Jan 15, 2020	02-04-12 to 02-04-16 03-19-1 05-19-1 05-19-3 07-05-01-3	Introduces the following changes to the Airplane Flight Manual: - Revises Electrical Emergency and Non-Normal procedures (RS-170). - Addition of FMS and IRS limitations due to outdated magnetic variation data (RS-172) (Incorporates TR-86). - Introduces clarification of GNSS operational capabilities (RS-178).	

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REV-59 J. Randall Apr 1, 2020	03-25-1 03-34-4 05-19-3 05-25-2 05-25-3 05-25-5 05-25-6 05-28-6 05-28-7 06-20-11 to 06-20-13 06-24-53 08-01-33-1 to 08-01-33-5 08-01-57-1	Introduces the following changes to the Airplane Flight Manual: – Updates level-off acceleration distance tables (RS-153). – Update Non-Normal and Emergency procedures regarding brake energy (RS-153). – Update CDL to add dispatch for the Logo Light Cover and Baggage-Compartment External Light Cover (RS-153). – Update CDL to add an Operational Limitation note to all Lighting components (RS-153). – Wing Trailing Edge to Flap Leading Edge seal remarks updated (RS-153).	
REV-60 J. Randall Jul 1, 2020	02-04-1 04-03-4.	Introduces the following changes to the Airplane Flight Manual: – AFM limitation to have engine ECS bleed ON for every takeoff (temporary until terminating action) (RS-176).	
REV-61 J. Randall Sep 25, 2020	03-23-2 03-23-3 03-23-4 03-23-5 05-23-9 03-34-5 05-19-4 05-19-5 05-23-4 05-23-7	Introduces the following changes to the Airplane Flight Manual: – Adds Caution and Note to SPOILERS FAULT (C) procedure (RS-179) (Incorporates TR-90). – Revises Pri Stab Trim Fail (Caution Message) procedure and relocates to Emergency procedures, revises Pitch Axis uncommanded motion, Cabin/Cockpit Fire, Smoke or Fumes and L(R) Main Bus Fail (Caution) procedures (RS-182) (Incorporates TR-89).	
REV-62 J. Randall Dec 22, 2020	02-04-1 03-32-16	Introduces the following changes to the Airplane Flight Manual: – Replaces ALTS with (V) ALTS or (V) ALTV (RS-185).	
REV-63 J. Randall Apr 1, 2021		Updates the title page to harmonize with QRH volume 2 revision number.	

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REV-64 J. Randall Jun 28, 2021	07-05-01-1	Introduces the following changes to the Airplane Flight Manual: - Clarification of RVSM compliance and operational approval. (RS-168)	
REV-65 J. Randall Sep 22, 2021	03-17-1 03-17-4 03-17-10 to 03-17-27 03-28-1 04-04-2 05-17-1 05-17-2 05-17-7 05-28-2 05-28-4 05-58-1 05-58-2	Introduces the following changes to the Airplane Flight Manual: - Introduction of the new LG Selector Lever (RS-191) - Addition of a NOTE to the Landing Gear Up/Unsafe Landing procedure, - Additions to GEAR DISAGREE (C) procedure, and - Addition of instruction to the PROX SYS FAULT (A) procedure. - Revises Unreliable Airspeed and associated procedures. (RS-188)	
REV-66 J. Randall Dec 17, 2021	01-01-4 02-04-1 04-02-9 04-02-10 04-03-4	Introduces the following changes to the Airplane Flight Manual: - Adds SB effectivity for limitation requiring engine ECS bleed ON for takeoff (RS-196) - Introduces the Expanded Pitch Trim Check in the Before Starting Engines Checklist (RS-200) (Incorporates TR-91-1)	
REV-67 Mar 29, 2022	Front Matter 00-01-32 00-03	Updates Record of Revisions. (To harmonize revision number) Updates List of Effective Pages.	

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EXTERIOR PREFLIGHT (CONT)

- 20** a. Left spoilers and flap Condition
 b. Left aileron Check free motion,
 balance, bent tabs and trim tab linkage and brush seal
 condition

- 21** a. Left winglet navigation light/lens and static
 wicks Condition

- 22** a. Left wing check:
 (1) Leading edge and vortilons Condition
 (2) Access panels Fuel/hydraulic
 leakage
 (3) Fuel cap Secure

CAUTION: The wing and flight control surfaces must be free of frost, snow, and ice. Ice can form on the surfaces of the wing even on very warm days if the fuel temperature will support it. The leading edge and lower surface of the flaps must be free of ice.

- 23** **1** a. Fuel water drains Drain

NOTE: The fuel sump drains are low points in the fuel system. Fuel will drain from these when opened.

- 24** ♦ a. Left engine inlet and fan Clear of obstructions
 and condition
 b. Upper fuselage Condition

CABIN PREFLIGHT

- ♦ 1. Cabin furnishings Secure
 ♦ 2. Emergency exit Aisle clear and handle
 unobstructed.

Remove and stow aft emergency exit door security pin.

BEFORE STARTING ENGINES

NOTE: All flight deck switches will be extinguished, except as noted in the following procedures.

1. Circuit breakers (CB1 and CB2) Set
 ♦ 2. Seats, safety harnesses Secure
 3. Crew oxygen masks and smoke goggles Check
 ♦ 4. LANDING GEAR switch DN



BEFORE STARTING ENGINES (CONT)

- ◆ 5. L, R, and AUX HYDRAULIC PUMP switches OFF
- ◆ 6. AIR SOURCE switch OFF
- ◆ 7. Electrical system:
 - a. STBY INST switch On
 - b. EXT PWR switch (if connected)..... Check AVAIL
then select ON
 - c. R BATT switch On
- NOTE:** R BATT switch is selected first to prevent uncommanded APU starts.
- d. L BATT switch..... On
- 8. L and R COCKPIT LIGHTS As desired
- ◆ 9. APU Start:
 - a. CASCheck,
no APU or AIR COND FAULT messages
 - b. L and R BLEED switchesOFF
 - c. NAV lights NAV
 - d. R FUEL PUMP switch.....AUTO
 - e. APU switchSTART,
(hold for 3 seconds) and release
 - f. EXT PWR switch (if applicable) AVAIL and disconnect
 - g. APU BLEED switch..... ON
 - h. XBLEED switch Open
 - i. AIR SOURCE switchNORM
- 10. SYSTEMS TEST panel:
 - a. ANNUN A..... Test
 - b. ANNUN B..... Test
 - c. PROBES..... Test
 - PROBE HEAT TEST OK (S) CAS illuminates.
 - d. STALL/RUD LIM Test



BEFORE STARTING ENGINES (CONT)

- The STALL icon on both PFDs illuminates.
- Flashing AOA red illuminates briefly.
- "STALL" voice sounds.
- Left stick shaker activates.
- Right stick shaker activates.
- Pusher activates.
- RUDDER LIMITER IN TEST (S) illuminates.

Effectivity:

For airplanes 20004, 20006 thru 20059 NOT incorporating Service Bulletin SB 100-34-18, the following note applies:

NOTE: AIR DATA 1 (2) FAULT (C) illuminates.

- e. ICE DET..... Test
 - ICE DETECTED (C) and **ICE** icon on PFD illuminates.
- 11. L and R rudder pedals..... Adjust
- 12. L and R audio panels..... Set
- ♦ 13. Fuel quantity Check
- ♦ 14. Standby Instrument Check
- 15. Clock..... Zero flight time
- 16. NWS switch OFF
- ♦ 17. L and R FUEL PUMP switches..... AUTO

Effectivity:

For airplanes incorporating SB-100-34-41:

- 18. FMS Program
- 19. REVERSION panel..... NORM
- 20. AIR COND/BLEED panel Check
- 1 a. RAM AIR switch..... ON
 - RAM AIR ON (S) illuminates
- b. RAM AIR switch..... OFF
- 21. ANTI-ICE panel:
 - a. WING SOURCE switch..... NORM
 - b. L and R PROBES switches OFF
 - ♦ c. L and R WSHLD/WINDOW switches..... ON



BEFORE STARTING ENGINES (CONT)

- ♦ 22. PRESSURIZATION panel Check
 - a. LNDG ALT Set
- 23. LIGHTING panel As desired
 - 1** a. Emergency lights Check:
 - (1) EMER LTS switch OFF
(EMER LIGHTS OFF (C) CAS)
 - (2) EMER LTS switch ON
(EMER LIGHTS ON (C) CAS),
check emergency lights displayed
 - ♦ (3) EMER LTS switch ARM
- 24. GUST LOCK OFF
- ♦ 25. HYDRAULIC panel:
 - a. L and R PUMP switches ON
 - b. PARK/EMER BRAKE handle Confirm set
 - c. L and R PUMP and PTU switches AUTO
- 26. Trim system:
 - a. STAB TRIM switch SEC
 - b. Pilot's trim switch NUP and NDN
Verify movement
 - c. Copilot's trim switch NUP and NDN
Verify movement
 - d. STAB TRIM switch PRI
 - e. Pilot's trim switch NUP and NDN
Verify movement
 - f. Pilot's trim switch housing only NUP or NDN
Verify no movement
 - g. Pilot's trim switch arm button only Depress
Verify no movement
 - h. Pilot's trim switch NUP or NDN & hold
Verify movement
 - i. Pilot's master disconnect switch Depress
Verify movement stops
 - j. Pilot's trim switch and master disconnect
switch Release



BEFORE STARTING ENGINES (CONT)

- k. Copilot's trim switch NUP and NDN
Verify movement
- l. Copilot's trim switch housing only NUP or NDN
Verify no movement
- m. Copilot's trim switch arm button only Depress
Verify no movement
- n. Copilot's trim switch NUP or NDN & hold
Verify movement
- o. Copilot's master disconnect switch Depress
Verify movement stops
- p. Copilot's trim switch and master
disconnect switch Release
- ♦ q. Stab Trim Set for takeoff
- r. AIL and RUD Trim Check operation and set
for takeoff
- 27. ELT ARM
- 28. CABIN DC and AC PWR switches On
- 29. PAX OXYGEN switch AUTO
- 30. THERAPEUTIC OXYGEN switch ON
(Only required for flights requiring a mission completion altitude
above 10,000 ft following a pressurization failure.)
 - Switch ON light illuminates
- a. THERAPEUTIC OXYGEN switch OFF
- ♦ 31. Altimeters (3) Set

Effectivity:

For airplanes incorporating SB 100–22–03:

CAUTION: Reduced vertical separation with terrain may be encountered in mountainous terrain if altimeter is incorrectly set and LNV is armed for departure.



BEFORE STARTING ENGINES (CONT)

- ◆ 32. Avionics Set for departure

NOTE: For any SBAS covered airspace (US RNAV routes, SIDs, and STARs), it is not required to run a pre-flight prediction of RAIM availability along the intended route if no satellites are NOTAM'd as out of service over the intended route.

For non-SBAS covered airspace, certain operations may require that an appropriate prediction program be used prior to departure for RAIM availability along the intended route.

- ◆ 33. Takeoff data (V_1 , V_R , V_2 , and distance).....Computed, and speeds set (refer to the PERFORMANCE DATA chapter).
- ◆ 34. Takeoff data..... Check

CAUTION: Ensure input data matches airplane configuration and environmental conditions.

- 35. CAS messages..... Check

Effectivity:

For IRS equipped airplanes:

- NOTE:**
1. The IRS automatically aligns using GNSS position (normal IRS alignment time varies depending on location, typically not exceeding 10 minutes). If GNSS is not available, it will align using the position entered to initialize the FMS.
 2. Following a successful initial alignment, do not manually re-enter the position in the FMS CDU either immediately before, or immediately after airplane motion. If this has occurred, a complete normal shutdown and restart of the airplane and IRSs must be completed. Failure to do so may lead to a total IRU loss during subsequent flight legs.

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