

平成 30 年 9 月 27 日 制定（国官参事第 614 号）  
令和 元年 8 月 23 日 一部改正（国官参事第 504 号）

## サーキュラー

国土交通省航空局安全部航空事業安全室長

件名：部品等脱落防止措置に関する技術基準細則

### 1. 目的

本細則は、「部品等脱落防止措置に関する技術基準」（平成 30 年 9 月 27 日付国官参事第 613 号）（以下「技術基準」という。）の細目的事項を定めることを目的とする。

### 2. 適用範囲

本細則の適用範囲は、技術基準と同様とする。

### 3. 許可又は認可の申請

技術基準の規定により提出を求める書類は、次に掲げる要件を満たさなければならない。なお、本邦航空運送事業者において、以下の内容が運航規程又はその附属書及び整備規程又はその附属書に定められている場合、当該箇所を書類に代えることができる。

#### 3-1 技術管理

3-1-1 技術基準第 3-1 項に規定する、部品等の脱落に関する情報を収集の上これを分析し、及び技術評価し、その結果をもとに対策を策定することができる体制を有していること。

3-1-2 事業者は、前項の規定による体制の長となるべき者を指名して、その者の管理のもとに、策定された対策を適切に実施することができる体制を有していること。

3-1-3 該当する場合、委託先に対しても第 3-1-1 項の規定による対策の実施を指示するために必要な事項が定められていること。

## 3-2 技術的措置

### 3-2-1 部品等の脱落の防止に資する技術的資料の採用

3-2-1-1 技術基準第 3-2-1 項に規定する採用しなければならない機体及び装備品等の製造者が発行する部品等の脱落の防止に有効であると認められる技術的資料は、別添 A-1 から A-6 までに掲げるものとし、最新のものに従うこと。ただし、機体及び装備品等の製造者が同等以上の対策が講じられると認めた場合にあっては、この限りではない。

3-2-1-2 前項に規定する技術的資料のほか、部品等の脱落の防止に有効な対策と考えられる技術的資料については、積極的にこれを実施するよう努めなければならない。

3-2-1-3 第 3-2-1-1 項に規定する技術的資料のほか、発動機のケースを破片が貫通し、又は発動機の内部において大規模な破損が生じるような発動機の破損については、破損した部品が脱落し地上又は水上の人又は物件の安全が損なわれるおそれがあるため、部品等脱落防止措置を要するものとして発動機に関する技術的資料を採用するよう努めなければならない。

### 3-2-2 その他の対策

3-2-2-1 別添 A-1 から A-6 までに掲げる部品等の脱落の防止に有効な対策のほか、別添 B に掲げる対策を実施すること。ただし、航空局安全部航空事業安全室長又は担当の地方航空局保安部運用課長及び前任整備審査官が同等以上の対策が講じられると認める場合にあっては、この限りではない。

なお、前項に掲げるもののほか、部品等脱落防止の取り組みについては、部品脱落が発生した部位や着氷が発生しやすい部位について独自に検討及び評価を行い、その結果をもとに対策（点検整備等）を策定し実施するとともに、当該対策について他の事業者にも有効と判断し得るものについては、航空局に対して情報提供するよう努めなければならない。

3-2-2-2 実際に部品脱落が発生した場合については、脱落した部品が次の表に掲げるカテゴリーⅠ又はⅡに相当するものにあつては事案ごとに検討及び評価を行うこと。ただし、脱落した部品がこれら以外の部品（次の表に掲げるカテゴリーⅢに相当するもの）の場合にあつては、当該部品の重量、頻度等について統計的な分析を行い、類型化して対策を講じればよいこととする。

カテゴリー	内容
I	大きさ（面積）が 1000 cm <sup>2</sup> 以上又は重量 1kg 以上の部品（材質によらず）
II	大きさ（面積）が 100 cm <sup>2</sup> 以上 1000 cm <sup>2</sup> 未満又は重量が 0.2 kg以上 1 kg未満の非金属部品若しくは重量が 0.1 kg以上 1 kg未満の金属部品等。 また、下記事項については重量・材質・大きさによらずカテゴリーIIとして取り扱う。 長さ 100 cm以上のラバーシール ライト類の全損
III	上記区分に属さないもの

### 3-3 教育訓練

技術基準第 3-3 項の訓練対象者に対して次に掲げる部品等脱落防止措置に関する教育訓練の要件が定められていること。

3-3-1 教育訓練の課目は、部品等脱落防止措置（その他の対策を含む。）の内容、職務の内容及び経験等に応じて定められていること。

3-3-2 教育訓練を委託する場合においては、上記の規定を適用することが定められていること。

#### 附則（平成 30 年 9 月 27 日）

- この技術基準は、法第 100 条及び規則第 210 条の規定による航空運送事業の許可、法第 123 条及び規則第 227 条の規定による航空機使用事業の許可、法第 109 条及び規則第 220 条の規定による航空運送事業の事業計画の変更の認可並びに法第 109 条を準用する法第 124 条及び規則第 220 条を準用する規則第 229 条の規定による航空機使用事業の事業計画の変更の認可を受けようとする者については、平成 31 年 1 月 15 日から適用する。
- この技術基準は、法第 129 条及び規則第 232 条の規定による外国人国際航空運送事業の許可並びに法第 129 条の 3 及び規則第 233 条の 3 の規定による外国人国際航空運送事業の事業計画の変更の認可を受けようとする者については、平成 31 年 3 月 15 日から適用する。

#### 附則（令和元年 8 月 23 日）

- この技術基準は、令和元年 10 月 12 日から適用する。
- この技術基準の施行の際現に航空法第 100 条第 1 項の許可、同法第 123 条第 1 項の許可又は同法第 129 条第 1 項の許可を受けている者は、改正後

の既定にかかわらず、令和元年10月26日までは、なお従前の例によることができる。

この細則に関する質問・意見等については下記に問い合わせること。

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(別添 A-1)

Boeing Service Bulletin

Service Bulletin	Title
SB 707-2982	INBOARD LEADING EDGE SLAT HINGE FITTING INSPECTION/ REPLACEMENT
SB 727-27-0129	MODIFICATION OF OUTBOARD LEADING EDGE SLAT ACTUATOR
SB 737-38-1043	WATER/WASTE - Potable Water System - Passenger Water System - Inflight Potable Water Drainage Change
SB 737-52A1124	DOORS - FORWARD GALLEY SERVICE DOOR - LOWER GATE HINGE INSPECTION AND REPLACEMENT
SB 737-52A1167	DOORS - Landing Gear Doors - Inboard Main Landing Gear Door Hinge Fitting - Inspection and Replacement
SB 737-52-1169	DOORS - Landing Gear Doors - Inboard Main Landing Gear Doors - Inspection and Repair
SB 737-52-1170	DOORS - Landing Gear Center Door Assembly Attachments - inspection, Repair and Modification
SB 737-53-1280	FUSELAGE - Fillet Fairings - Aft Outboard Wing to Body Fairing Modification
SB 737-53-1307	FUSELAGE - Fillet Fairings - Aft Wing to Body Fairing - Panel 194E and Aft Center Wheel Well Panel 193D - Inspection and Rework
SB 737-55A1070	STABILIZERS - Elevator - Tab Assembly - Inspection of Elevator Tab Hinge and Elevator Tab Control Mechanism
SB 737-55A1072	STABILIZERS - Elevator - Tab Assembly - Inspection of Elevator Tab Hinge and Elevator Tab Control Mechanism
SB 737-57-1053	INBOARD GROUND SPOILER UPPER SKIN PANEL INSPECTION AND REWORK
SB 737-57-1057	INBOARD MID FLAP SEAL PLATE AFT ATTACHMENT MODIFICATION
SB 737-57-1169	WINGS - INBOARD FLAP OUTBOARD TRACK FAIRING - BUBBLE FAIRING ATTACHMENT INSPECTION, MODIFICATION AND REPLACEMENT
SB 737-57-1216	WINGS - Main Landing Gear Support Beam Retaining Pin - Bolt and Self- Locking Nut Replacement
SB 737-57A1260	WINGS - Main Landing Gear Beam - Fitting Inspection and Replacement
SB 737-57-1264	WINGS - Trailing Edge and Trailing Devices, Carriage Bushing Replacement

SB 737-57-1284	Wings - Trailing Edge and Trailing Edge Devices - Inspection, Repair/Modification - Wing Buttock Line 147 to Wing Buttock Line 201
SB 737-57-1331	Wings - Trailing Edge Flaps - Inboard Main Flap Seal Faster Change
SB 737-57A1327	WINGS - Leading Edge And Leading Edge Devices - Krueger Flap Inspection
SB 737-57-1341	WINGS - Trailing Edge Flaps - Outboard Aft Flap Assembly Replacement
SB 737-71-1069	ENGINE AFT MOUNT SECONDARY SUPPORT LINK INSTALLATION
SB 737-77-1013	ENGINE INDICATING - EXHAUST GAS TEMPERATURE INDICATING SYSTEM - WIRING MODIFICATION
SB 737-78-1019	THRUST REVERSER DEFLECTOR DOOR FAIRING MOUNTING STUD INSPECTION AND REPLACEMENT
SB 737-78-1071	EXHAUST - Thrust Reverser - Replace Fasteners for Track Fairing Seals
SB 747-21-2052	AIR CONDITIONING PACK RAM AIR HEADER AND HEAT EXCHANGER MODIFICATION
SB 747-23-2055	HF PROBE ANTENNA MOUNT REINFORCEMENT
SB 747-23-2080	CRASH POSITION INDICATOR BASE ASSEMBLY MODIFICATION
SB 747-27-2070	INBOARD FOREFLAP ATTACH FITTING BEARING MIGRATION INSPECTION AND RETAINER INSTALLATION
SB 747-32-2334	LANDING GEAR-MAIN GEAR AND DOORS-WING GEAR DRAG BRACE-INBOARD DOOR ATTACH FITTING ASSEMBLY INSPECTION AND REPLACEMENT
SB 747-32-2466	LANDING GEAR - BODY GEAR DOORS - BODY GEAR SHOCK STRUT OUTBOARD DOOR - INSPECTION AND CORROSION PROTECTION MODIFICATION
SB 747-36-2025	AIR DRIVEN HYDRAULIC PUMP TURBINE DRIVE PROTECTIVE SCREEN INSTALLATION
SB 747-52-2120	CENTER ELECTRONIC BAY EXTERNAL ACCESS DOOR STOP FITTING INSPECTION
SB 747-52-2238	DOORS - EXTERIOR SERVICE DOORS - INSPECTION OF FUELING CONTROL PANEL ACCESS DOOR
SB 747-52-2269	DOORS - Exterior Service Doors - Latch Modification on the Fueling Control Panel and Fueling Receptacle Access Doors
SB 747-53-2460	FUSELAGE - Number 3 Main Entry Door - Lower Forward Corner Reveal - Inspection and Replacement
SB 747-53-2892	FUSELAGE - Air Conditioning Access Doors - Inspection of Latches and Application of Warning Stencils

SB 747-53-2893	FUSELAGE - Wheel Wells - Nose Landing Gear Forward Door Operator Rod Bolt Replacement
SB 747-53-2894	FUSELAGE - Wheel Wells - Nose Landing Gear Forward Door Operator Rod Bolt Replacement
SB 747-53-2897	FUSELAGE - Wing to Body Fairings - Inspection and Repair of Wing to Body Fairing Panels
SB 747-56A2012	WINDOWS - Flight Compartment - Flight Compartment Windows - Inspection of Glass No. 2 and No. 3 Windows for Cracks in the Fail-Safe Interlayer
SB 747-57-2005	WING TIP HF ANTENNA COUPLER ACCESS DOOR LATCH REPLACEMENT
SB 747-57-2122	MOVEABLE FAIRING RETENTION CABLE INSTALLATION - FLAP TRACK NUMBER 1, 4, 5, AND 8
SB 747-57-2261	WINGS - AUXILIARY STRUCTURE - FIXED TRAILING EDGE UPPER PANEL - INSPECTION AND RIGGING
SB 747-57-2276	WINGS - LEADING EDGE KRUEGER FLAPS - INBOARD AND OUTBOARD RIB AND BRACKET ASSEMBLY INSPECTION AND REWORK
SB 747-71A2216	POWER PLANT - ENGINE MOUNTS - FORWARD MOUNT NUT INSPECTION
SB 747-71-2139	SPARE ENGINE CARRIAGE KIT WEB REVISION
SB 747-71-2285	POWER PLANT - (CF6-80C2) COWLING CORE COWL PANEL FRAME CHANGE
SB 747-76-2067	ENGINE CONTROLS - Engine Control - System - Thrust Control Cables - Strut Idler Pulley Inspection
SB 747-78-2070	THRUST REVERSER FOLLOW-UP SYSTEM INSPECTION AND REWORK - CF6-50E ENGINES
SB 747-78-2075	FAN THRUST REVERSER FOLLOW-UP SYSTEM MODIFICATION - CF6 POWERED AIRPLANES
SB 747-78A2164	EXHAUST (PW4000 ENGINES) - Thrust Reverser - Auxiliary Track Beam Assembly Inspection/Replacement
SB 757-25-0200	EQUIPMENT/FURNISHINGS - Emergency - Off-Wing Escape System - Bumper Assembly and Placard Installation
SB 757-25-0219	EQUIPMENT/FURNISHINGS - Emergency - Off-Wing Escape System - Bumper Assembly and Placard Installation

SB 757-30-0005	ICE AND RAIN PROTECTION - PITOT PROBE ANTI-ICING MODIFICATION - RB211-535 E4 ENGINES
SB 757-32-0004	LANDING GEAR - EXTENSION AND RETRACTION - MAIN LANDING GEAR DOOR ACTUATOR REPLACEMENT
SB 757-32-0036	LANDING GEAR - STEERING - NOSE GEAR STRUT - CABLE GUARD ADDITION
SB 757-32-0073	LANDING GEAR - NOSE LANDING GEAR - NOSE GEAR DOOR LOCK RELEASE QUADRANT REWORK
SB 757-52-0061	LANDING GEAR - MAIN LANDING GEAR DOOR TANG ASSEMBLY DROP LINK AND CLEVIS INSPECTION AND CHANGE
SB 757-57-0027	WINGS - Wing Trailing Edge Fixed Upper Panel Support Beam Clip Inspection and Replacement
SB 757-57-0036	WINGS - INBOARD TRAILING EDGE - FIXED UPPER PANEL - INSPECTION AND REPAIR
SB 757-57A0072	WINGS - Trailing Edge and Trailing Edge Devices - Inspection and Repair of the Upper Panel Assy - WBL 130.5 to 221.5, Left and Right
SB 767-25-0274	EQUIPMENT/FURNISHINGS - EMERGENCY - OFF-WING SLIDE INFLATION CYLINDER - SLIDE INFLATION SYSTEM PULL FORCE INCREASE MECHANISM INSPECTION
SB 767-27-0083	FLIGHT CONTROLS - FLAPS - OUTBOARD FLAP FAIRING INSPECTION
SB 767-27-0184	FLIGHT CONTROLS - FLAPS - OUTBOARD FLAP - Deflection Control Track - Inspection/Replacement
SB 767-32A0036	LANDING GEAR - EXTENSION AND RETRACTION - MAIN GEAR RETRACT ACTUATOR RETAINER ASSEMBLY MODIFICATION
SB 767-32-0101	MAIN LANDING GEAR AND DOORS - Main Gear Shock Strut Door and Linkage - Lower Attach Fitting Replacement
SB 767-32-0146	LANDING GEAR - Main Landing Gear and Doors - Main Gear Shock Strut Door and Linkage - Mid Attach Fitting Replacement
SB 767-32-0194	LANDING GEAR - Main Landing Gear and Doors - Main Gear Shock Strut Door and Linkage - Mid and Lower Attach Fitting Hardware Replacement
SB 767-32A0199	LANDING GEAR - Main Landing Gear Bogie Beam Pivot Joint Pin Replacement
SB 767-49-0016	AIRBORNE AUXILIARY POWER - APU AIR INTAKE DOOR SEAL - SEAL MODIFICATION
SB 767-57-0086	WINGS - Wing Fixed Trailing Edge - Lower Trailing Edge Panel Support - Tie Rod and Seal Replacement



SB 767-57A0131	WINGS - Trailing Edge and Trailing Edge Devices - Outboard Flap Support Rib Nut Fracture Inspection
SB 767-57-0136	WINGS - Wing Trailing Edge - Fixed Trailing Edge Upper Chord at Wing Station 943, 1054 and 1098 - Change
SB 767-78-0014	EXHAUST (JT9D-7R4 ENGINES) - FAN THRUST REVERSER CASCADE SEGMENTS - INSPECTION
SB 767-78-0020	EXHAUST (JT9D-7R4 ENGINES) - THRUST REVERSER - FAN THRUST REVERSER CASCADE SEGMENTS - REPLACEMENT
SB 767-78-0024	EXHAUST (CF6-80A ENGINES) - THRUST REVERSER - THRUST REVERSER CASCADE SEGMENTS - REPLACEMENT
SB 767-78-0039	EXHAUST (CF6-80A ENGINES) - THRUST REVERSER - AUXILIARY SLIDER INSPECTION / REPLACEMENT
SB 767-78A0079	EXHAUST (PW4000 ENGINES) - Thrust Reverser - Auxiliary Track Beam Assembly Inspection/Replacement
ZODIAC AEROSPACE S.B. 767 106-25-13	Installation of Orifice Fitting Assembly in Enclosure Ball Lock System
SB 777-27-0022	AILERONS AND FLAPERONS - AILERON LEADING EDGE RIB ADDITION AND FIXED TRAILING EDGE SEAL REPLACEMENT
SB 777-27A0056	FLIGHT CONTROLS - Ailerons and Flaperons - Flaperon Power Control Unit (PCU) Yoke Assembly - Attach Bolt Inspection and Replacement
SB 777-32-0070	LANDING GEAR - Main Landing Gear Extension and Retraction System - Side Brace and Drag Brace Lock Spring Replacement
SB 777-32-0079	LANDING GEAR - Main Landing Gear Extension and Retraction System - Main Landing Gear Uplock Springs Replacement
SB 777-32-0081	LANDING GEAR - Main Landing Gear Extension and Retraction System - Side Brace and Drag Brace Lock Spring Replacement
SB 777-32-0105	LANDING GEAR- Main Landing Gear Extension and Retraction System - Main Landing Gear Door Uplock Springs Replacement
SB 777-53-0049	FUSELAGE - Aerodynamic Fairings - Aft Wing-to-Body Fairing Panel Captive Fastener Inspection and Replacement
SB 777-53-0050	FUSELAGE - Section 44 - Aerodynamic Fairings - Underwing Fairing Access Doors - Rigging and Latch Replacement
SB 777-53-0056	FUSELAGE - Aerodynamic Fairings - Right Upper Aft Fairing Panel Assembly Misfair Inspection/Replacement
SB 777-53-0058	FUSELAGE - Aerodynamic Fairing - Wing-to-Body Fairing - Change Overwing Fairing Panel Fasteners

SB 777-53-0088	FUSELAGE - Aft wing to body Fairing Panel - Bracket Assembly - Replacement
SB 777-54-0030	NACELLES/PYLONS - Aft Fairing - Strut Aft Fairing Lower Spar Heat Shield Insulation Blankets Replacement
SB 777-54-0037	NACELLES/PYLONS - Aft Fairing - Aft Fairing Closeout Casting and Panel Modification
SB 777-57-0005	WINGS - TRAILING EDGE AND TRAIL EDGE DEVICES - INBOARD FLAP - NUMBER 3 AND 6 FLAP SUPPORT FAIRING INSPECTION AND REWORK
SB 777-57A0034	WINGS - Leading Edge Slats - Outboard Slats - Slat Number 1 through 6 and 9 through 14 - Inspection and Modification
SB 777-57-0085	WINGS - Ailerons and Flaperons - Flaperon Seal Replacement
SB 777-57-0093	WINGS - Wing Trailing Edge - Inboard Fixed Trailing Edge Support Beam Replacement
SB 777-57-0094	WINGS - Trailing Edge Flaps - Inboard Trailing Edge Flap, Outboard Aft Flap Track Forward Attach Fitting - Inspection, Change and Replacement
SB 777-57-0099	WINGS - Outer Wing - Inboard Flaps - No.3 and No.6 Aft Fairing Stiffener Installation
SB 777-71-0070	POWER PLANT - Engine Cowling - GE90-100 Series Engines Fan Cowl Inspection, Repair, and Change
SB 777-78-0022	POWER PLANT (PW4000)-EXHAUST - THRUST REVERSER - UPPER BIFURCATION EROSION SHIELD - ADDITION
SB 777-78-0067	EXHAUST (RR Trent Engines) - Turbine Exhaust System - Primary Exhaust Nozzle Assembly Replacement
SB 777-78-0082	EXHAUST (Trent 800 Engines) - Thrust Reverser System - Thrust Reverser Aft Cowl Modification and Thermal Protection System Change
SB 777-78A0094	EXHAUST (Trent 800 Engines) - Thrust Reverser System - Thrust Reverser Inner Wall Replacement
Honeywell SB 2611202-32-004	LANDING GEAR - MAIN BRAKE ASSEMBLY-New Heat Sink Configuration with Alternate Carbon Fiber Supplier for the Main Brake Assembly, PNs 2611202-2, 2611202-2A, and 2611202-2B, Used on Model 777 Aircraft
SB 787-52-0021	DOORS - Service and Miscellaneous Doors - Replacement of Hinges on Potable Water Service Access Door
SB 787-53-0022	FUSELAGE - Main Landing Gear Wheel Well Structure - Section 45 - Aft Wheel Well Bulkhead Heat Shield Click Bond Revision

(別添 A-2)

Airbus Service Bulletin

Single Aisle Family (A318 - A319 - A320 – A321 Family)

Service Bulletin	Title
SB 32-1400	LANDING GEAR - NOSE GEAR - MODIFY NLG TORQUE-LINK APEX PIN
SB 52-1160	DOORS - CARGO COMPT DOOR HYD SYSTEM - IMPROVE LOCKING AND INTERFACE TOLERANCE OF MANUAL SELECTOR VALVE (MSV) LEVER
(SB 52-1177)	(DOORS - CARGO COMPT DOOR HYDRAULIC SYSTEM - IMPROVE MSV LEVER DEFINITION AND INSTALLATION)
SB 53-1164	MODIFY FUEL PANEL ACCESS DOOR OPENING DIRECTION
SB 53-1189	SIMPLIFY THE INSTALLATION OF FUEL PANEL ACCESS DOOR 192MB "WIND DIRECTION OPENING"
SB 53-1195	FUSELAGE - CENTER FUSELAGE - INSPECT MLG DOOR ACTUATOR FITTING ON KEEL BEAM
SB 53-1196	FUSELAGE - CENTER FUSELAGE - INSPECT MLG DOOR HINGE FITTING ON KEEL BEAM
SB 53-1272	POTABLE WATER AND WASTE WATER SERVICE PANEL - REPLACEMENT
SB 53-1267	FUSELAGE - REAR FUSELAGE - APPLY COLD WORKING AND REPLACE RIVETS IN THE WASTE WATER SERVICE PANEL AREA AT S18
SB 53-1323	FUSELAGE - REAR FUSELAGE - REDESIGN THE CONNECTION OF THE SERVICE DOOR FOR 197FB
SB 54-1028	NACELLE & PYLON - AFT MOVABLE FAIRING - RIB 5 REDESIGN
SB 55-1034	STABILIZERS - ELEVATORS - A320 FAM ELEVATOR WEIGHT CHECK
SB 55-1041	STABILIZERS - RUDDER SIDE SHELL SANDWICH REPAIR INSPECTION
SB 55-1046	STABILIZERS - ELEVATOR - INSPECTION OF ELEVATOR UPPER AND LOWER SKIN PANELS FOR LIQUID INGRESS
SB 71-1061	POWER PLANT - FAN COWL DOORS - INTRODUCE AN IMPROVED OIL FILLER DOOR LATCH DESIGN ON IAE ENGINE
SB 71-1068	POWER PLANT - FAN COWL DOORS - INTRODUCE NEW FAN COWL DOOR LATCH WITH KEY & FLAG ON CFM56-5A/5B ENGINE
SB 71-1069	POWER PLANT - FAN COWL DOORS - INTRODUCE NEW FAN COWL DOOR LATCH WITH KEY & FLAG ON IAE V2500 ENGINE

SB 80-1004	STARTING - ENGINE STARTING SYSTEM - INTRODUCE IMPROVED PACKAGE FOR STARTER IAE V2500 ENGINE
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### Long Range Family (A330- A340 Family) & Extra Large Body (A350)

Service Bulletin	Title
SB 32-P001	LANDING GEAR - NOSE LANDING GEAR (NLG) - REMOVE FLEX UNLOCK ACTUATOR HOSES GUIDES AND L-BRACKETS IN NLG BAY
SB 32-3167 SB 32-4206	LANDING GEAR-WHEELS-INTRODUCE POSITIVE RETENTION FEATURE FOR GOODRICH-MESSIER MLG BASIC WHEEL TIE-BOLTS
SB 52-3076 SB 52-4087 SB 52-5010	IMPROVE SERVICE PANEL ACCESS DOORS IN SECTION 16/17/18
SB 52-3086 SB 52-4094 SB 52-5019	MODIFICATION OF LATCHING MECHANISM OF POTABLE WATER SERVICE PANEL
SB 52-3108 SB 52-4111 SB 52-5032	IMPROVE SERVICE PANEL ACCESS DOORS IN SECTION 16 AND 18 (SUPERSEDE A330-52-3076/A340-52-4087/A340-52-5010 RESPECTIVELY)
SB 53-3097	FUSELAGE - REAR FUSELAGE - REINFORCE THE FUSELAGE SKIN BETWEEN FR54 AND FR55 IN THE AREA OF THE VHF2 ANTENNA
SB 53-3112	FUSELAGE - REAR FUSELAGE - RELOCATE VHF 2 ANTENNA
SB 54-3036	NACELLES PYLONS -PYLONS- MODIFY TORQUE VALUE
SB 57-4130 SB 57-3123	WINGS - LEADING EDGE AND LEADING EDGE DEVICES - INSPECT SLAT TRACK AT FRONT STOP ATTACHMENT

### Double Deck (A380)

Service Bulletin	Title
SB 52-8017	MODIFY WASTE SERVICE PANEL 171AL DOOR TO IMPROVE HANDLING
SB 57-8031	WINGS - TRAILING EDGE AND TRAILING EDGE DEVICES - INSPECTION OF THE PIVOT BRACKETS AT MOVABLE FLAP-TRACK FAIRING 3
SB 57-8032	INSPECT POST-MOD 68729 MOVABLE FLAP TRACK FAIRING No.6, AFT KINEMATIC U-FRAME
SB 57-8041	WINGS - MOVEABLE SURFACE - INSPECTION OF THE PIVOT BRACKETS MOVABLE FLAP-TRACK FAIRING 4

SB 57-8045	WINGS - TRAILING EDGE AND TRAILING EDGE DEVICES - INSPECTION OF CONNECTION BETWEEN MID FLAP AND MOVABLE FLAP TRACK FAIRING 3 & 4 - H-BRACKET
SB 57-8059	WINGS - TRAILING EDGE AND TRAILING EDGE DEVICES - FLAP TRACKS No. 3 AND No. 4 REDESIGNED FAIRING BRACKET INSPECTION
SB 57-8071	WINGS - LEADING EDGE - REVISE GOOSE-NECK BRACKETS AND INTERCOSTALS AT DROOP NOSE LOWER PANEL
SB 57-8090	WINGS - TRAILING EDGE AND TRAILING EDGE DEVICES - INSPECTION OF FLAP TRACK FAIRING 3 PIVOT BRACKET SUPPORT RING
SB 57-8091	WINGS - TRAILING EDGE AND TRAILING EDGE DEVICES - REINFORCE FLAP TRACK 6 INTERFACE AGAINST AERODYNAMIC LOADS
SB 57-8092	WING -TE/TE DEVICES - INTRODUCE OPTIMIZED FWD FITTING, AFT ATTACHMENT BRACKET AND STRUCTURE AT WING INTERFERENCE WITH FLAP TRACK 6
SB 57-8093	WINGS - FAIRINGS - REDESIGN FLAP TRACK FAIRING 6 BASED ON NEW AERODYNAMIC SHAPE
SB 57-8094	WINGS - TRAILING EDGE AND TRAILING EDGE DEVICES - OPTIMIZE FAIRING BRACKET AT FLAP TRACK 6
SB 57-8096	WINGS - INSPECTION OF POST-MOD MOVABLE FLAP TRACK FAIRING #6, AFT KINEMATIC ELEMENTS AND INTERFACES OF TRACK BEAM AND FLAP
SB 57-8099	WINGS - FAIRINGS - INSPECTION OF MOVABLE FLAP TRACK FAIRINGS 3 AND 4 AFT KINEMATICS
SB 57-8106	WINGS – MOVABLE FLAP TRACK FAIRING – INSPECTION OF MOVABLE FTF NO. 3 & 4, MID FAIRING AND TAIL CONE U-FRAME
SB 57-8121	WINGS - TRAILING EDGE AND TRAILING EDGE DEVICES - OPTIMIZE SIDE LOAD STAY AND FAIRING BRACKETS AT FLAP TRACK STATION 3 AND TRACK STATION 4
SB 57-8122	WINGS - TRAILING EDGE AND TRAILING EDGE DEVICES - ADAPT COMPRESSION PADS ON TRACK STATION 3
SB 57-8123	WINGS - TRAILING EDGE AND TRAILING EDGE DEVICES - ADAPT COMPRESSION PADS ON TRACK STATION 4

SB 57-8124	WINGS - FAIRINGS - REINFORCE FLAP TRACK FAIRING 3 AGAINST AERODYNAMIC LOADS
SB 57-8129	WINGS - FAIRINGS - REINFORCE FLAP TRACK FAIRING 4 AGAINST AERODYNAMIC LOADS

Wide Body Family (A300- A310 Family)

Service Bulletin	Title
ISB 25-6188	EQUIPMENT/FURNISHINGS - INSPECTION - MLG BAY FR47 ACCESS PANELS.
SB 29-0027	SECTION 15 - MARKING AND IDENTIFICATION OF FILLING PIPES OF HYDRAULIC GREEN-BLUE-YELLOW TANKS
SB 53-0396	FUSELAGE - NOSE FUSELAGE - CHANGE OF THE MANUFACTURING PROCESS FOR THE AFT NLG DOOR BOLT
SB 53-2142	FUSELAGE - NOSE FUSELAGE - CHANGE OF THE MANUFACTURING PROCESS FOR THE AFT NLG DOOR BOLT
SB 53-6182	FUSELAGE - NOSE FUSELAGE - CHANGE OF THE MANUFACTURING PROCESS FOR THE AFT NLG DOOR BOLT

(別添 A-3)

Bombardier Service Bulletin

Service Bulletin	Title
SB 84-11-46	DHC-CA-54-29 - Nacelle Forward Cowl Door Loss on Takeoff – DHC-8 Series 400
SB 84-32-65	DHC-CA-32-65, DHC-CA-32-86, DHC-CA-32-126 - Landing Gear - NLG - Loss of Pivot Pin Retaining Bolt – DHC-8 Series 400
SB 84-32-110	
SB 84-32-145	
SB 670BA-32-016	RJX-CA-32-19, Loss of MLG Door Lower Panel (FAA SR 08.031, 032)
SB 670BA-32-017	
SB 670BA-32-038	RJX-CA-32-37, CRJ 1000 MLG Door Brush Damaged/ Missing (CRJ1000 only)
SB 670BA-32-042	RJX-CA-32-46, CRJ 700 MLG Door FWD Member Cracking
SB 670BA-32-043	
SB 670BA-32-057	RJX-CA-32-31, NLG Aft door failure
SB 670BA-49-013	RJX-CA-78-3, APU Exhaust Acoustic Liner Separation
SB 670BA-54-007	RJX-CA-54-8, Upper Engine Pylon - Missing Hardware
SB 670BA-78-008	RJX-CA-54-4, Nacelle Transcowl - Inner/Outer Joint Extrusion Cracking
SB 601R-78-021	RJ-CA-78-3, Engine Exhaust Nozzle Departures In-Flight (FAA SR 05.335)
SB 601R-71-030	CAW RJ-CA-71-6: Engine Fan Cowl Departures In-Flight
SB 601R-71-031	
SB 601R-71-034	

(別添 A-4)

Embraer Service Bulletin

Service Bulletin	Title
SB170-53-0074	FUSELAGE - INSPECTION OF APU OIL COOLER SCOOP FOR DAMAGE AND PROPER RETENTION
SB 170-21-0068	AIR CONDITIONING - RAM AIR INLET DOOR - MISSING HARDWARE INSPECTION
SB190-53-0036	FUSELAGE - INSPECTION OF APU OIL COOLER SCOOP FOR DAMAGE AND PROPER RETENTION
SB 190-21-0061	AIR CONDITIONING - RAM AIR INLET DOOR - MISSING HARDWARE INSPECTION



(別添 A-5)

SAAB Service Bulletin

Service Bulletin	Title
SB340-11-012	PLACARDS AND MARKINGS - PLACARD FOR PROPER LOCKING OF ENGINE HINGE COWLING
SB340-29-023	HYDRAULIC POWER - MAIN HYDRAULIC SYSTEM - REPLACEMENT OF THE HYDRAULIC ACCUMULATORS
SB340-29-024	HYDRAULIC POWER - MAIN HYDRAULIC SYSTEM - INTRODUCTION OF NEW HYDRAULIC ACCUMULATORS
SB340-30-075	ICE & RAIN PROTECTION - WINDSHIELD WIPERS - INSPECTION OF THE WIPER ARM ASSEMBLY
SB340-32-067	LANDING GEAR - MAIN LANDING GEAR - NEW WHEEL AXLE NUTS
SB340-32-076	LANDING GEAR - BRAKE ASSEMBLY WITH ATTACHED AXLE SPACER
SB340-32-124	LANDING GEAR - INSTALLATION OF NEW RETRACT ACTUATOR BRACKET ATTACHMENT BOLT (RABAB)
SB340-32-133	LANDING GEAR - SHOCK STRUT - INSPECT AXLE ADAPTOR DOWEL HOLES
SB340-55-030	STABILIZERS - RUDDER - REPLACEMENT OF THE RUDDER STOP
SB340-71-035	POWERPLANT - INSPECTION OF AVIBANK LATCH ON NACELLE FWD COWLING DOORS 7271110-501/601 AND INSTALLATION OF NEW LATCH TRIGGER
SB340-71-060	POWERPLANT - FORWARD ENGINE COWL DOOR - INSPECTION OF FRAMES AND ANGLES ON THE FORWARD ENGINE COWL DOORS
SB2000-11-002	PLACARDS AND MARKINGS - PLACARD FOR PROPER LOCKING OF ENGINE HINGED COWLING
SB2000-29-024	HYDRAULIC POWER - MAIN HYDRAULIC SYSTEM - INTRODUCTION OF NEW HYDRAULIC ACCUMULATORS
SB2000-32-015	LANDING GEAR - MLG DOOR - PREVENT LOOSEING OF BOLTS
SB2000-32-025	LANDING GEAR - MLG DOOR - PREVENT LOOSEING OF BOLTS
SB2000-32-028	LANDING GEAR - REAR MLG DOOR - MODIFY HINGE FITTING
SB2000-55-010	STABILIZERS - INSTALLATION OF REINFORCEMENT ON THE RUDDER FAIRING STRUCTURE
SB2000-56-002	WINDOWS - REPLACEMENT OF THE WINDSHIELD WIPER SPOILER
SB2000-56-003	WINDOWS - INSPECTION OF WINDSHIELD WIPER SPOILER

(別添 A-6)

ATR Service Bulletin

Service Bulletin	Title
ATR42-11-0025	Placards and Markings - Main landing gear doors - Install "NO STEP" markings
ATR42-11-0028	Placards and Markings - Nacelles - Installation of exterior placards on lateral cowls
ATR42-32-0048	Landing Gear - NLG - Axle replacement
ATR42-53-0082	FUSELAGE - WING-TO-FUSELAGE FAIRING PANELS AND UPPER COWLS - ADD CUP WASHERS UNDER THE FASTENERS AND CHANGE PLIER ATTACH MATERIAL.
ATR42-53-0123	FUSELAGE - KARMAN PANEL 291BL INSPECTION.
ATR42-53-0125	WING/FUSELAGE - KARMANS – REPLACE KARMAN PANEL 191BL.
ATR42-54-0030	Nacelles/Pylons - Oil cooler - Replacement of rear flaps
ATR42-54-0031	Nacelles/Pylons - Oil cooler - Replacement of rear flaps
ATR72-11-1023	Placards and Markings - Main landing gear doors - Install "NO STEP" markings
ATR72-11-1026	Placards and Markings - Nacelles - Installation of exterior placards on lateral cowls
ATR72-32-1047	LANDING GEAR - NLG - AXLE REPLACEMENT.
ATR72-52-1074	Doors - MLG folding door - Improvement of attachment device
ATR72-52-1083	Doors - MLG doors hinges - Install axle locking device
ATR72-53-1044	FUSELAGE - WING-TO-FUSELAGE FAIRING PANELS AND UPPER COWLS - ADD CUP WASHERS UNDER THE FASTENERS AND CHANGE PLIER ATTACH MATERIAL.
ATR72-57-1005	WINGS - INNER SLAT AND LOWER SURFACE REAR PARTS - MODIFY HINGE PIN STOP.
ATR72-57-1044	Wings - LH and RH flap support arms at rib 13 - Replace fairing omega supports

(別添 B)

その他の対策

項	対策
1	<p>(給排水パイプ内の残留水の水切りの徹底等)</p> <p>給排水作業実施時における給排水パイプ内の残留水の水切りについて、整備関係者及びサービス委託業者に注意喚起し、その徹底を図ること。また、作業実施後には給排水パネルが適切に閉扉されていることを確認すること。</p>
2	<p>(給排水系統の漏洩及び機能の点検)</p> <p>給排水系統の漏洩及び機能について定期的に点検を行うこと。特に、着氷の恐れのある胴体部位のドレイン・バルブについては定期的にクリーニングを実施すること。</p>
3	<p>(貨物搭載時等の雨水や雪等の除去等)</p> <p>貨物搭載時等において、貨物の上面に溜まった雨水や積雪等を除去すること。また、貨物室ドア及び貨物室内に水等が溜まっていないことを確認すること。</p>