

**GULFSTREAM
G550**

**AIRCRAFT SERVICE
CHANGES
and
CUSTOMER BULLETIN
INDEX**

October 2007

Gulfstream®

GULFSTREAM G550 AIRCRAFT SERVICE CHANGES AND CUSTOMER BULLETIN INDEX

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Using the Alert Customer Bulletin and Customer Bulletin Index

The Alert / Customer Bulletin Index has three columns which contain the following information:

CB NO. - Customer Bulletin number and date of issuing.

TITLE - Gives a brief name and description of the bulletin.

STATUS - “ACTIVE” - Inspection is still applicable as a one time inspection and is part of Gulfstream’s Recommended Inspection Program.

- “INCORPORATED” - The inspection had a recurring requirement and has become part of the Maintenance Manual.

- “CANCELED” - Inspection is no longer required.

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<u>CB NO.</u>	<u>TITLE</u>	<u>STATUS</u>
1 (September 2004)	Electrical Power (ATA 24) Inspection – Wiring Harness Contacting Oxygen Bottle	Active – One Time Inspection
2 (October 2004)	Indicating/Recording Systems (ATA 31) Inspection – Avionics Standard Communication Bus (ASCB)	Active – One Time Inspection
3 (June 2005)	Equipment and Furnishings (ATA 25) De-Activation – Adel Wiggins Floor Heater Pad System	Active – One Time Inspection
4 (June 2005) 4A (June 2005)	Wings (ATA 57) Inspection – Wing Rib Reinforcement Angles	Active – One Time Inspection
5 (October 2005)	Landing Gear (ATA 32) Inspection – Nose Landing Gear Tires	Active – One Time Inspection
6 (November 2005)	Flight Controls (ATA 27) Inspection – Aileron And Elevator Actuator Load Relief Bungees	Active – One Time Inspection
6A (December 2005)	Flight Controls (ATA 27) Inspection – Aileron and Elevator Actuator Load Relief Bungees	Active – One Time Inspection
7 (April 2007)	Water / Waste (ATA 38) Inspection – Forward Water System Valves	Active – One Time Inspection

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<u>CB NO.</u>	<u>TITLE</u>	<u>STATUS</u>
1 (March 2004)	Fire Protection (ATA 26) Modification – Fire Detection Control Box Mounting	Active – One Time Inspection
2 (May 2004)	Flight Controls (ATA 27) Lubrication - Horizontal Stabilizer Actuator No-Back Trigger and Lever Mechanism	Active – One Time Inspection
3 (August 2004)	Wings (ATA 57) Modification – Vortex Generator Installation and Wing Rib Reinforcement (ASC 039)	Active – One Time Inspection
4 (August 2004)	Flight Controls (ATA 27) Inspection – Aileron and Elevator Actuator Damper Shaft	Active – One Time Inspection
5 (October 2004)	Electrical Power (ATA 24) Modification – Power Distribution Box (PDB) Terminal Over torque (ASC 041)	Active – One Time Inspection
6 (December 2004)	Flight Controls (ATA 27) Retrofit – Aileron and Elevator Actuators	Active – One Time Inspection
7 (January 2005)	Electrical Power (ATA 24) Relocation – Electrical Disconnect Bracket FS 315.50	Active – One Time Inspection
8 (January 2005)	Equipment / Furnishings (ATA 25) Modification – Tail Compartment Ladder	Active – One Time Inspection
9 (January 2005) 9A (February 2005)	Equipment/Furnishings (ATA 25) Modification – Right Electrical Equipment Rack (REER)	Active – One Time Inspection
10 (January 2005)	Flight Controls (ATA 27) Replacement – Flap Leading Edge Rivets	Active – One Time Inspection
11 (January 2005)	Wings (ATA 57) Replacement – Outboard Fixed Trailing Edge Fasteners	Active – One Time Inspection
12 (March 2005)	Ice and Rain Protection (ATA 30) Inspection – Wing Anti-Ice Exhaust Louvers	Active – One Time Inspection
13 (March 2005)	Indicating / Recording Systems (ATA 31) Inspection – Flight Control Sensor Installation	Active – One Time Inspection
14 (June 2005)	Flight Controls (ATA 27) Inspection – Aileron Force Link Assembly Wiring	Active – One Time Inspection
15 (June 2005) 15A (November 2005)	Landing Gear (ATA 32) Inspection – Nose Landing Gear Actuator Rod End	Active – One Time Inspection
16 (August 2005)	Fuselage (ATA 53) Inspection – Left and Right Stringer 6 at Fuselage Station 955 – 974	Active – One Time Inspection
17 (August 2005)	Landing Gear (ATA 32) Inspection – Anti-Skid Control Unit	Active – One Time Inspection
18 (August 2005)	Water / Waste (ATA 38) Modification – Vacuum Toilet Status Panel	Active – One Time Inspection
19 (August 2005)	Wings (ATA 57) Inspection / Sealing – Outboard Wing Rib Repair	Active – One Time Inspection
20 (October 2005)	Communications (ATA 23) Inspection – Premium Package Wiring Harness	Active – One Time Inspection

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<u>CB NO.</u>	<u>TITLE</u>	<u>STATUS</u>
21 (November 2005)	Fuselage (ATA 53) Inspection – Frame At Fuselage Station 377	Active – One Time Inspection
22 (December 2005)	Landing Gear (ATA 32), Modification – Nose Landing Gear Downlock Harness Connector Hardware	Active – One Time Inspection
23 (December 2005)	Landing Gear (ATA 32) Inspection – Emergency Pressure Pressure Transducer Decals	Active – One Time Inspection
24 (December 2005)	Oxygen (ATA 35) Installation – Oxygen Bottle Physical Barrier (ASC 048)	Active – One Time Inspection
25 (January 2006)	Lights (ATA 33) Inspection – Tail Anti-Collision Strobe Light	Active – One Time Inspection
26 (February 2006) 26A (February 2006)	Landing Gear (Ata 32) Modification – Main Landing Gear Doors	Active – One Time Inspection
27 (March 2006) 27 AM1 (June 2006)	Flight Controls (ATA 27) Replacement – Aileron And Elevator Actuator Load Relief Bungees	Active – One Time Inspection
28 (March 2006)	Landing Gear (ATA 32) Inspection – Landing Gear Bungees Lubrication and Rigging	Active – One Time Inspection
29 (May 2006)	Lights (ATA 33) Modification – Aft Emergency Lighting Battery Mounting Tray (ASC 056)	Active – One Time Inspection
30 (May 2006)	Fuselage (ATA 53) Inspection – Decompression Vent Panels	Active – One Time Inspection
31 (May 2006)	Indicating and Recording Systems (ATA 31) Inspection – Modular Avionics Unit Power Supply Connector	Active – One Time Inspection
32 (June 2006)	Electrical Power (ATA 24) Modification – Electrical Lines Contact Prevention (ASC 057)	Active – One Time Inspection
33 (July 2006)	Navigation (ATA 34) Modification – Enhanced Vision System (EVS) Window Bonding Strap (ASC 60)	Active – One Time Inspection
34 (August 2006)	Oxygen (ATA 35) Installation – Oxygen Line Support At Fuselage Station 241	Active – One Time Inspection
35 (August 2006)	Flight Controls (ATA 27) Inspection – Rudder Stop Bolts	Active – One Time Inspection
36 (September 2006)	Hydraulics (ATA 29) Modification – Right Pylon Case Drain Line Routing	Active – One Time Inspection
37 (September 2006)	Placards and Markings (ATA 11) Inspection – Broadband Multi-Link (BBML) Optional Limitation Placard	Active – One Time Inspection
38 (September 2006)	Hydraulic Power (ATA 29) Inspection – Auxiliary Hydraulic Boost Pump	Active – One Time Inspection
39 (October 2006)	Landing Gear (ATA 32) Inspection – Nose Landing Gear Trunnion Pin (Right Side Only)	Active – One Time Inspection

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<u>CB NO.</u>	<u>TITLE</u>	<u>STATUS</u>
40 (December 2006)	Landing Gear (ATA 32) Modification – Sealant Protection of Nose Landing Gear Weight-on-Wheels Switch, PN 1159SCAV514-1	Active – One Time Inspection
41 (January 2007)	Electrical Power (ATA 24) Inspection – Battery Chargers	Active – One Time Inspection
42 (January 2007)	Air Conditioning (ATA 21) Inspection – Trim Air Valve Servo Pressure Supply - Check Valve Installation	Active – One Time Inspection
43 (February 2007)	Water / Waste (ATA 38) Inspection – Water Level Sensor Harness, PN 4E4185-2	Active – One Time Inspection
44 (February 2007)	Electrical Power (ATA 24) Modification – Right Engine Integrated Drive Generator (IDG) Cable Installation	Active – One Time Inspection
45 (February 2007)	Hydraulic Power (ATA 29) Modification – Auxiliary Hydraulic Boost Pump Circuit Protection (ASC 059)	Active – One Time Inspection
46 (May 2007)	Navigation (ATA 34) Inspection – No. 2 ADF Antenna Lead Installation at Fuselage Station 288	Active – One Time Inspection
47 (May 2007)	Fuselage (ATA 53) Inspection – Auxiliary Power Unit (APU) Enclosure Sensor Installation	Active – One Time Inspection
48 (June 2007)	Electrical Power (ATA 24) Inspection – Wiring Harness Installation at Fuselage Station (FS) 660	Active – One Time Inspection
49 (June 2007)	Electrical Power (ATA 24) Modification – Left and Right Power Distribution Box (PDB)	Active – One Time Inspection
50 (June 2007)	Electrical Power (ATA 24) Inspection – Left Main Battery Lead Installation at Left Wing Anti-Ice Valve	Active – One Time Inspection
51 (July 2007)	Communications (ATA 23) Inspection – Broadband Multi-Link (BBML) Antenna Control Unit (ACU) Installation	Active – One Time Inspection
52 (September 2007)	Engine Turbine / Ducted Fan (ATA 72) Inspection – Low-Pressure (LP) Compressor Annulus Fillers	Active – One Time Inspection
53 (September 2007)	Communications (ATA 23) Modification – Broadband Multi-Link Antenna Installation	Active – One Time Inspection
54 (October 2007)	Electrical Power (ATA 24) Inspection – Wiring Harnesses at Fuselage Station (FS) 139	Active – One Time Inspection
55 (October 2007)	Indicating/Recording Systems (ATA 31), Inspection – Local Area Network (LAN) Connectors	Active – One Time Inspection

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<u>CB NO.</u>	<u>DATE</u>	<u>SUBJECT</u>
		<u>ATA 11 – PLACARDS AND MARKINGS</u>
37	September 2006	Inspection – Broadband Multi-Link (BBML) Optional Limitation Placard
		<u>ATA 21 – AIR CONDITION</u>
42	January 2007	Inspection – Trim Air Valve Servo Pressure Supply - Check Valve Installation
		<u>ATA 22 – AUTO FLIGHT</u>
		NONE
		<u>ATA 23 – COMMUNICATIONS</u>
20	October 2005	Inspection – Premium Package Wiring Harness
51	July 2007	Inspection - Broadband Multi-Link (BBML) Antenna Control Unit (ACU) Installation
53	September 2007	Modification - Broadband Multi-Link Antenna Installation
		<u>ATA 24 – ELECTRICAL POWER</u>
5	October 2004	Power Distribution Box (PDB) Terminal Over Torque (ASC 041)
7	January 2005	Relocation – Electrical Disconnect Bracket FS 315.50
32	June 2006	Modification – Electrical Lines Contact Prevention (ASC 057)
41	January 2007	Inspection – Battery Chargers
44	February 2007	Modification – Right Engine Integrated Drive Generator (IDG) Cable Installation
48	April 2007	Inspection – Wiring Harness Installation At Fuselage Station (FS) 660
49	June 2007	Modification – Left and Right Power Distribution Box (PDB)
50	June 2007	Inspection – Left Main Battery Lead Installation at Left Wing Anti-Ice Valve
54	October 2007	Inspection – Wiring Harnesses at Fuselage Station (FS) 139
		<u>ATA 25 - EQUIPMENT / FURNISHINGS</u>
8	January 2005	Modification – Tail Compartment Ladder
9 9A	January 2005 February 2005	Modification – Right Electrical Equipment Rack (REER)
		<u>ATA 26 - FIRE PROTECTION</u>
1	March 2004	Modification – Fire Detection Control Box Mounting
		<u>ATA 27 - FLIGHT CONTROLS</u>
2	May 2004	Lubrication - Horizontal Stabilizer Actuator No-Back Trigger and Lever Mechanism
4	August 2004	Inspection – Aileron and Elevator Actuator Damper Shaft
6	December 2004	Retrofit – Aileron and Elevator Actuators

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<u>CB NO.</u>	<u>DATE</u>	<u>SUBJECT</u>
10	January 2005	Replacement – Flap Leading Edge Rivets
14	June 2005	Inspection – Aileron Force Link Assembly Wiring
27 27 AM1	March 2006 June 2006	Replacement – Aileron And Elevator Actuator Load Relief Bungees
35	September 2006	Inspection – Rudder Stop Bolts
<u>ATA 28 - FUEL</u>		
NONE		
<u>ATA 29 - HYDRAULIC POWER</u>		
36	September 2006	Modification – Right Pylon Case Drain Line Routing
38	September 2006	Inspection – Auxiliary Hydraulic Boost Pump
45	February 2007	Modification – Auxiliary Hydraulic Boost Pump Circuit Protection (ASC 059)
<u>ATA 30 - ICE AND RAIN PROTECTION</u>		
12	March 2005	Inspection – Wing Anti-Ice Exhaust Louvers
<u>ATA 31 - INSTRUMENTS</u>		
13	March 2005	Inspection – Flight Control Sensor Installation
31	May 2006	Inspection – Modular Avionics Unit Power Supply Connector
55	October 2007	Inspection – Local Area Network (LAN) Connectors
<u>ATA 32 - LANDING GEAR</u>		
15 15A	June 2005 November 2005	Inspection – Nose Landing Gear Actuator Rod End
17	August 2005	Inspection – Anti-Skid Control Unit
22	December 2005	Modification – Nose Landing Gear Downlock Harness Connector Hardware
23	December 2005	Inspection – Emergency Pressure Transducer Decals
26 26A	February 2006 February 2006	Modification – Main Landing Gear Doors
28	March 2006	Inspection – Landing Gear Bungees Lubrication and Rigging
39	October 2006	Inspection – Nose Landing Gear Trunnion Pin (Right Side Only)
40	December 2006	Modification – Sealant Protection of Nose Landing Gear Weight-on-Wheels Switch, PN 1159SCAV514-1
<u>ATA 33 - LIGHTS</u>		
25	January 2006	Inspection – Tail Anti-Collision Strobe Light

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<u>CB NO.</u>	<u>DATE</u>	<u>SUBJECT</u>
29	May 2006	Modification – Aft Emergency Lighting Battery Mounting Tray (ASC 056)
<u>ATA 34 - NAVIGATION</u>		
33	July 2006	Modification – Enhanced Vision System (EVS) Window Bonding Strap (ASC 60)
46	May 2007	Inspection – No. 2 ADF Antenna Lead Installation at Fuselage Station 288
<u>ATA 35 - OXYGEN</u>		
24	December 2005	Installation – Oxygen Bottle Physical Barrier (ASC 048)
34	August 2006	Installation – Oxygen Line Support At Fuselage Station 241
<u>ATA 36 - PNEUMATIC</u>		
NONE		
<u>ATA 38 - WATER / WASTE</u>		
8	August 2005	Modification – Vacuum Toilet Status Panel
43	February 2007	Inspection – Water Level Sensor Harness, Pn 4e4185-2
<u>ATA 49 - AIRBORNE AUXILIARY POWER</u>		
NONE		
<u>ATA 51 - STRUCTURES</u>		
NONE		
<u>ATA 52 - DOORS</u>		
NONE		
<u>ATA 53 - FUSELAGE</u>		
16	August 2005	Inspection – Left and Right Stringer 6 at Fuselage Station 955 - 974
21	November 2005	Inspection – Frame At Fuselage Station 377
30	May 2006	Inspection – Decompression Vent Panels
47	May 2007	Inspection – Auxiliary Power Unit (APU) Enclosure Sensor Installation
<u>ATA 54 - PYLONS</u>		
NONE		
<u>ATA 56 - WINDOWS</u>		
NONE		
<u>ATA 57 - WINGS</u>		

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<u>CB NO.</u>	<u>DATE</u>	<u>SUBJECT</u>
3	August 2004	Modification – Vortex Generator Installation and Wing Rib Reinforcement (ASC 039)
11	January 2005	Replacement – Outboard Fixed Trailing Edge Fasteners
19	August 2005	Inspection / Sealing – Outboard Wing Rib Repair
		<u>ATA 71 - POWER PLANT</u>
		NONE
		<u>ATA 72 - ENGINE</u>
052	September 2007	Inspection - Low-Pressure (LP) Compressor Annulus Fillers
		<u>ATA 73 - ENGINE/ FUEL</u>
		NONE
		<u>ATA 74 - IGNITION</u>
		NONE
		<u>ATA 75 - AIR</u>
		NONE
		<u>ATA 76 - ENGINE CONTROLS</u>
		NONE
		<u>ATA 77 - ENGINE INDICATIONS</u>
		NONE
		<u>ATA 78 - EXHAUST</u>
		NONE
		<u>ATA 79 - OIL</u>
		NONE
		<u>ATA 80 - STARTING</u>
		NONE

Using the Aircraft Service Change Index

The Aircraft Service Change Index has four columns which contain the following information:

ASC NO. - ASC Number

CLASS/DATE- (R) - Recommended (Gulfstream recommended ASC which is intended to improve integrity of aircraft).
(O) - Optional (Discretionary ASC not related to any safety consideration).
(M)- Mandatory (Gulfstream considers this ASC important enough that we suggest it to be accomplished.
Not always related to a safety of flight condition, but could be).

(PEP) - Product Enhancement Project

CANCELED - ASC no longer available.

NOT ISSUED - Not released.

DATE - Issued Date

SUBJECT - Name and ATA Number

PURPOSE - Description of ASC

EFFECTIVITY - Aircraft serial number range of ASC

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<u>ASC NO.</u>	<u>CLASS/DATE</u>	<u>SUBJECT</u>	<u>PURPOSE</u>	<u>EFFECTIVITY</u>
001	9 May 2003	Hydraulic Power (ATA 29) Power Transfer Unit Check Valve Installation	This ASC installs a new check valve on the outlet port of the PTU motor case drain to prevent hydraulic system backflow pressure on the PTU shaft seal.	5001-5014
002	5 December 2003	Indicating/Recording (ATA 31) Digital Flight Data Recorder System Upgrade (88 Parameters)	This ASC upgrades the Flight Data Recorder System (DFDR) for aircraft manufactured (Certificate of Airworthiness) after August 19, 2002, to meet Federal Aviation Regulation Part 135 requirements. The DFDR System upgrade will record 88 parameters required for Part 135 operations.	5001 & Sub. requiring Part 135 certification.
002A	15 November 2006		This service change upgrades the Flight Data Recorder System (DFDR) for aircraft manufactured (Certificate of Airworthiness) after August 19, 2002, to meet Federal Aviation Regulation Part 135 requirements.	5001 & Sub. requiring Part 135 certification.
003	19 March 2003	Doors (ATA 52) Main Entrance Door Handle Modification	This ASC reduces the potential for damage to the main entrance door and surrounding structure by modifying the Primary and Secondary handles to ensure they are in the proper position during door operation.	5001-5011
004 004A	9 July 2003 1 November 2005	Air Conditioning (ATA 21) Pack Inlet Valve Replacement	This ASC installs upgraded pack inlet valves in the left and right bleed air supply ducts to improve cabin airflow during certain flight conditions.	5001-5020
004A AM1	15 November 2006		This service change amendment permits the installation of 1151582-6 Environmental Control System (ECS) controllers.	
008	4 November 2003	Placardings and Markings (ATA 11) Maximum Gross Weight – 75,000 Pounds Placard Installation	The installation of this placard serves as a visual reminder to the flight crew that maximum gross ramp; maximum gross landing and maximum gross takeoff weight is limited to 75,000 pounds.	All Aircraft

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<u>ASC NO.</u>	<u>CLASS/DATE</u>	<u>SUBJECT</u>	<u>PURPOSE</u>	<u>EFFECTIVITY</u>
009	4 November 2003	Placards and Markings (ATA 11) Maximum Zero Fuel Gross Weight – 53,500 Pounds Placard Installation	This ASC reduces the Maximum Zero Fuel Gross Weight of the aircraft from 54,500 lbs. to 53,500 lbs.	All Aircraft
014	24 October 2005	Navigation (ATA 34) Category II Annunciation – Activation	This aircraft service change activates the annunciation for Category (CAT) II Instrument Landing System (ILS) Approach Operations.	5001 and sub.
015 015A	15 December 2003 22 March 2004	Communications (ATA 23) Satcom/Selcal Activation	This ASC activates the SATCOM and SELCAL functions in the G550 cockpit.	5001-5029
017 017A	24 October 2003 19 December 2003	Navigation (ATA 34) Mode S Diversity Transponder Module – Upgrade	Upgrades the Mode S Diversity Transponder Module to prevent both transponders from reverting to the TCAS RA (Resolution Advisory) mode in the event of a single transponder failure.	5001-5026
018	23 March 2004	Indicating/Recording (ATA 31) Remote Image BUS (RIB) Cable Replacement & Provisional Fuel Shut-OFF Valve (FSOV) Open Indication Wiring	This service change replaces the Remote Image Bus (RIB) cables with new Ethernet cables to improve the quality of crew selected video as displayed on the Flight Deck Display Units.	Part I G550 Aircraft, 5001-5031. Part II G550 Aircraft, 5032-5034.
019	19 December 2003	Engine Fuel and Control (ATA 73) FADEC Modification to S2.1	This ASC introduces a new EEC with version S2.1 software standard.	5001-5031
035	Superseded by 035A	Aircraft General (ATA 4) Joint Aviation Authorities (JAA) Certification Basic Requirements	This service change installs / modifies aircraft systems that will enable the G550 operator to meet the requirements for JAA certification as noted in GVSP-GER-6139 and allow the aircraft to be registered in a European Member country of the JAA.	5001 & Sub.
035A	10 November 2006		This service change revision adds language to the description statement and prerequisite statement to clarify the extent of system modifications, operations and requirements.	

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<u>ASC NO.</u>	<u>CLASS/DATE</u>	<u>SUBJECT</u>	<u>PURPOSE</u>	<u>EFFECTIVITY</u>
036 036A	16 July 2004 6 August 2004	Indicating / Recording (ATA 31) Honeywell PlaneView Avionics – Enhancement	This service change provides hardware and software modifications necessary to enhance the operational performance and reliability of the Honeywell PlaneView Avionics System.	5001-5047
037	18 May 2004	Fuselage (ATA 53) Enhanced Vision System (EVS) Radome Sealing Modification	The purpose of this ASC is to enhance the EVS radome sealing by modifying the existing seal design, improving the airframe mating surface and adding water deflector guards at Fuselage Station (FS) 44.5.	5001-5019
038	29 April 2004	Doors (ATA 52) Auxiliary Pressure Bulkhead Door Replacement	This service change installs a new Auxiliary Pressure Bulkhead Door that meets the certification requirements of the Joint Aviation Authorities (JAA).	5001-5039
039	29 July 2004	Wings (ATA 57) Vortex Generator Installation and Wing Rib Reinforcement	This ASC consists of two parts. Part 1 – Provides instructions to install a vortex generator forward of the left and right wing overboard vent / ram air inlets to improve airflow and reduce sonic vibration. Part 2 - Provides instructions to install reinforcement angles on the left and right wing ribs at Wing Station (WS) 522.540.	5001 – 5051
040 040 AM1	20 January 2005 25 April 2005	Oxygen System (ATA 35) Passenger Oxygen Control Panel Upgrade	This aircraft service change will prevent an inadvertent deployment of the passenger oxygen masks during normal operations at high field elevations.	5001-5059
041	26 October 2004	Electrical Power (ATA 24) Power Distribution Box (PDB) Terminal Over Torque	Replaces terminal block #2 in the left Power Distribution Box.	5001 – 5034
042	28 February 2006	Air Conditioning (ATA 21) Cabin Pressure Controller Upgrade	This service change modifies or replaces the existing 2119146-2 Cabin Pressure Controller (CPC) with an improved 2119146-4 CPC.	5001-5101
043 043	30 December 2004 01 February 2005	Indicating/Recording (ATA 31) PlaneView Avionics Enhancement	This service change provides hardware and software modifications necessary to enhance the operational performance and reliability of the PlaneView avionics system.	5001-5062

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<u>ASC NO.</u>	<u>CLASS/DATE</u>	<u>SUBJECT</u>	<u>PURPOSE</u>	<u>EFFECTIVITY</u>
044 044A	Superseded by 044A 18 August 2006	Indicating/Recording (ATA 31) PlaneView Avionics Enhancement	This service change revision provides software modifications necessary to correct specific issues associated with the original issue software. ASC 905 will be required with this revision to provide the Master Operating Software necessary to incorporate these corrections.	5001-5029
045	20 June 2005	Landing Gear (ATA 32) Brake Bleed Port Valve Installation	This ASC installs bleed valves at the Brake Augmenter Valve to improve air removal during brake bleed service.	5001-5014
046	16 December 2004	Lights (ATA 33) Navigation Position Lights Led Navigation Light Installation	This ASC upgrades the existing left and right navigation position lights with High Performance Astreon Solid State Light Emitting Diodes (LEDS).	5001 – 5074
047 047 AM1	3 October 2005 9 January 2006	Water/Waste System (ATA 38) Water System Improvement	This service change identifies and provides corrective action(s) for specific potential faults that may be found in the aircraft water system.	5001-5013 and 5015-5099
048	15 November 2005	Oxygen (ATA 35) Oxygen Bottle Physical Barrier Installation	Installs a positive barrier design bracket which effectively routes electrical wires away from the crew oxygen bottle.	5001 – 5071
049	2 May 2006	Navigation (ATA 34) – Lightning Sensor System (LSS) Installation	This aircraft service change installs the Honeywell Lightning Sensor System LSZ-860 using Gulfstream Supplemental Type Certificate (STC), No. ST02915AT-D.	5001 – Sub.
050	1 November 2005	Flight Controls (ATA 27) Horizontal Stabilizer Actuator Replacement	This Service Change removes and replaces the Horizontal Stabilizer Actuator (HSA) and Dual Channel Resolver with an improved unit.	5001-5084
051	27 October 2005	Navigation (ATA 34) Enhanced Flight ID	This service change provides Mode S Enhanced Surveillance capabilities to the transponder system.	5001-5093
053	17 October 2006	Communications (ATA 23) PlaneView® Communication Management Function (CMF) - ARINC DirectSM - Datalink Service Provider	This service change configures the CMF Datalink service provider from Honeywell's Global Data Center (GDC) to ARINC Direct.	5001-Sub.

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<u>ASC NO.</u>	<u>CLASS/DATE</u>	<u>SUBJECT</u>	<u>PURPOSE</u>	<u>EFFECTIVITY</u>
055	12 May 2006	Water/Waste System (ATA 38) Water System Component Replacement	This is a multiple part ASC designed to provide instructions for the replacement of specific water system components.	Part 1. 5001-5099. Part 2. 5001-5084.
056	25 May 2006	Light (ATA 33) - Aft Emergency Lighting Battery Mounting Tray Modification	This service change relocates the existing aft emergency lighting battery tray to increase clearance between the circuit breakers on the emergency lighting battery and the baggage electrical equipment rack (EER) door to allow for proper circuit breaker operation.	5001-5099.
057	28 June 2006	Electrical Power (ATA 24) Electrical Lines - Contact Prevention	This service change identifies areas of potential electrical wire harness contact with surrounding aircraft structure on un-protected heavy gauge feeder cables and critical wire harness runs.	5001-5090
058 058A	5 July 2007 18 September 2007	Engine Fuel & Control (ATA 73) S3.4 Fadec Modification	This aircraft service change upgrades the FADEC Engine Electronic Controller (EEC) software from S2.1 to S3.4 and incorporates Rolls-Royce Service Bulletin SB-BR700-73-101590.	5001-5151
059	21 February 2007	Hydraulic Power (ATA 29) - Auxiliary Hydraulic Boost Pump Circuit Protection	This service change provides circuit protection for specific wire paths to the Auxiliary Hydraulic Boost Pump. Design of the auxiliary boost pump circuit protection includes approximately 25 feet of 28 VDC power wiring that, with certain failure modes, is unprotected.	5001 - 5096
060	14 July 2006	Navigation (ATA 34) – Enhanced Vision System Window Bonding Modification	This service change incorporates Kollsman Service Bulletin SB479R3, which modifies the EVS window assembly to accept installation of a bonding strap.	5001-5126
062	23 August 2007	Equipment and Furnishings (ATA 25) - Tail Compartment Ladder Replacement	This ASC replaces the existing tail compartment ladder. The redesigned ladder provides increased stability, reduced slip hazard, and facilitates ease of operation and stowage.	5103-5159

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<u>ASC NO.</u>	<u>CLASS/DATE</u>	<u>SUBJECT</u>	<u>PURPOSE</u>	<u>EFFECTIVITY</u>
063	19 October 2006	Wings (ATA 57) – Wing Fuel Transfer System – Mid-Wing Ejector Modification	This service change is designed to shift the Zero Fuel Gross Weight & CG envelope from 37.5% at 52,000 lbs to 34.5% at 53,000 lbs for EASA/JAA approved aircraft.	5001 & Sub.
063A	9 August 2007		This service change revision modifies the Zero Fuel Gross Weight Center of Gravity operating envelope for EASA/JAA and FAA approved aircraft.	5001 & Sub
900 900 AM 1	5 December 2003 18 February 2004	Recording/Indicating Systems (ATA 31) PlaneView Master Operating System Software Update	This ASC installs/loads the Master Operating Software version 18.11 on G550 aircraft.	5001-5029
901 901A	16 July 2004 6 August 2004	Recording/Indicating Systems (ATA 31) PlaneView Master Operating System Software Update	This service change installs the PlaneView Master Operating System (MOS) software EB7031236-00305 on G550 aircraft.	5001-5047
902	30 December 2004	Recording/Indicating Systems (ATA 31) PlaneView Master Operating System Software Update	This service change installs the PlaneView Master Operating System software EB7031236-00309 on G550 aircraft.	5001-5062
903	9 June 2005	Recording/Indicating Systems (ATA 31) PlaneView Master Operating System Software Update	This ASC installs the PlaneView Master Operating System software EB7031236-00310 on G550 aircraft.	5001-5077
904	27 October 2005	Recording/Indicating Systems (ATA 31) PlaneView Master Operating System Software Update	This service change installs the PlaneView Master Operating System software EB7031236-00308 on G550 aircraft.	5001-5093
905	18 August 2006	Indicating / Recording (ATA 31) - PlaneView Master Operating System Software Update	This service change installs the PlaneView Master Operating System (MOS) software EB7031236-00312 on G550 aircraft.	5001-5129

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<u>ASC NO.</u>	<u>CLASS/DATE</u>	<u>SUBJECT</u>
<u>ATA 4 – GENERAL AIRCRAFT</u>		
035 035A	29 April 2004 10 November 2006	Joint Aviation Authorities (JAA) Certification Basic Requirements
<u>ATA 11 – PLACARDS AND MARKINGS</u>		
008	3 November 2003	Maximum Gross Weight – 75,000 Pounds Placard Installation
009	3 November 2003	Maximum Zero Fuel Gross Weight – 53,500 Pounds Placard Installation
<u>ATA 21 - AIR CONDITIONING</u>		
004 004A 004A AM1	9 July 2003 1 November 2005 15 November 2006	Pack Inlet Valve Replacement
<u>ATA 23 - COMMUNICATIONS</u>		
015 015A	5 December 2003 22 March 2004	Satcom/Selcal Activation
053	17 October 2006	ARINC DirectSM - Datalink Service Provider
<u>ATA 24 - ELECTRICAL POWER</u>		
041	26 October 2004	Power Distribution Box (PDB) Terminal Over Torque
057	28 June 2006	Electrical Lines - Contact Prevention
<u>ATA 25 EQUIPMENT/FURNISHINGS</u>		
062	23 August 2007	Tail Compartment Ladder Replacement
<u>ATA 26 - FIRE PROTECTION</u>		
		NONE
<u>ATA 27 - FLIGHT CONTROLS</u>		
050	1 November 2005	Horizontal Stabilizer Actuator Replacement
<u>ATA 28 - FUEL</u>		
		NONE
<u>ATA 29 - HYDRAULIC POWER</u>		
001	9 May 2003	Power Transfer Unit Check Valve Installation
059	21 February 2007	Auxiliary Hydraulic Boost Pump Circuit Protection
<u>ATA 30 - ICE AND RAIN PROTECTION</u>		
		NONE

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<u>ASC NO.</u>	<u>CLASS/DATE</u>	<u>SUBJECT</u>
<u>ATA 31 - INSTRUMENTS</u>		
002 002A	5 December 2003 15 November 2006	Digital Flight Data Recorder System Upgrade (88 Parameters)
018	23 March 2004	Remote Image BUS (RIB) Cable Replacement & Provisional Fuel Shut-Off Valve (FSOV) Open Indication Wiring
036 036A	16 July 2004 6 August 2004	Honeywell PlaneView Avionics - Enhancement
043 043A	30 December 2004 01 February 2005	PlaneView Avionics Enhancement
044 044A	Superseded by 044A 18 August 2006	PlaneView Avionics Enhancement
900 900 AM 1	5 December 2003 18 February 2004	PlaneView Master Operating System Software Update
901 901A	16 July 2004 6 August 2004	PlaneView Master Operating System Software Update
902	30 December 2004	PlaneView Master Operating System Software Update
903	9 June 2005	PlaneView Master Operating System Software Update
904	27 October 2005	PlaneView Master Operating System Software Update
905	18 August 2006	PlaneView Master Operating System Software Update
<u>ATA 32 - LANDING GEAR</u>		
045	20 June 2005	Brake Bleed Port Valve Installation
<u>ATA 33 - LIGHTS</u>		
046	16 December 2004	Led Navigation Light Installation
056	15 May 2006	Aft Emergency Lighting Battery Mounting Tray Modification
<u>ATA 34 - NAVIGATION</u>		
014	24 October 2005	Category II Annunciation – Activation
049	2 May 2006	Lightning Sensor System (LSS) Installation
051	27 October 2005	Enhanced Flight ID
060	14 July 2006	Enhanced Vision System Window Bonding Modification
<u>ATA 35 – OXYGEN SYSTEM</u>		
040 040 AM1	20 January 2005 25 April 2005	Passenger Oxygen Control Panel Upgrade
048	15 November 2005	Oxygen Bottle Physical Barrier Installation

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<u>ASC NO.</u>	<u>CLASS/DATE</u>	<u>SUBJECT</u>
		<u>ATA 36 - PNEUMATICS</u>
		NONE
		<u>ATA 38 - WATER / WASTE</u>
047	3 October 2005	Water System Improvement
055	12 May 2006	Water System Component Replacement
		<u>ATA 49 - AIRBORNE AUXILIARY POWER</u>
		NONE
		<u>ATA 51 - STRUCTURES</u>
		NONE
		<u>ATA 52 - DOORS</u>
003	19 March 2003	Main Entrance Door Handle Modification
038	29 April 2004	Auxiliary Pressure Bulkhead Door Replacement
		<u>ATA 53 - FUSELAGE</u>
		NONE
		<u>ATA 54 - PYLONS</u>
		NONE
		<u>ATA 55 - STABILIZERS</u>
		NONE
		<u>ATA 56 - WINDOWS</u>
		NONE
		<u>ATA 57 - WING</u>
063 063A	19 October 2006 9 August 2007	Wing Fuel Transfer System – Mid-Wing Ejector Modification
		<u>ATA 71 - POWER PLANT</u>
		NONE
		<u>ATA 73 - ENGINE/FUEL</u>
019	19 December 2003	FADEC Modification to S2.1
058 058A	5 July 2007 18 September 2007	Engine Fuel & Control (ATA 73) S3.4 Fadec Modification

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<u>ASC NO.</u>	<u>CLASS/DATE</u>	<u>SUBJECT</u>
059	5 July 2007	S3.4 FADEC Modification
		<u>ATA 74 - OIL</u>
		NONE
		<u>ATA 76 ENGINE CONTROLS</u>
		NONE
		<u>ATA 77 ENGINE INDICATIONS</u>
		NONE
		<u>ATA 78 - EXHAUST</u>
		NONE
		<u>ATA 79 - OIL</u>
		NONE
		<u>ATA 80 - STARTING</u>
		NONE