



737-100/200

Aircraft Maintenance Manual

Aerolineas Argentinas

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MAINTENANCE MANUAL

Aerolineas Argentinas

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REVISION NO. 52

AUG 01, 2007

TO: All holders of the document that is shown above. Attached is the current revision of the Boeing 737-100/200 Aircraft Maintenance Manual (AMM).

Filing Instructions

The aircraft maintenance manual (AMM) is a printed manual, on microfilm cartridges, a digital product, or any combination of these three media.

This manual will have one revision each year. The revisions have a date of August 1.

This revision replaces all previous microfilm cartridges. All microfilm cartridges are re-issued with all old, changed, and added pages. Pages that were no longer applicable were removed.

ATTENTION

IF YOU RECEIVE PRINTED REVISIONS (PAPER PAGES), PLEASE VERIFY THAT YOU HAVE RECEIVED AND FILED THE PREVIOUS REVISION.

NOTE: BOEING MUST BE NOTIFIED WITHIN 30 DAYS IF YOU HAVE HAVE NOT RECEIVED THE PREVIOUS REVISION. REQUESTS FOR REVISIONS OTHER THAN THE PREVIOUS REVISION WILL REQUIRE A COMPLETE MANUAL REPRINT SUBJECT TO REPRINT CHARGES SHOWN IN THE DSM CATALOG.

Filing Paper Pages

Use the List of Effective Pages (LEP).

Each chapter has a set of LEP pages.

Each page that shows on the LEP has a chapter-section-subject number, page number, page date, and page code.

Use this information to add, replace, or discard the pages of the manual.

Use both the page date and page code in the LEP when you file the pages.

If the the first two digits of the LEP code (left of decimal) agree with the page code then the page is correct for the manual.

Only the revised pages of the new revision have a decimal point and following numbers that show on both the page and the LEP.

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Subsequent LEP will not show the decimal and following numbers. These numbers are for Boeing internal use only.

All the pages of the manual show on the LEPs, and each changed page has a letter adjacent to it:

Revised pages (R)

Replace the page that has the same chapter-section-subject and page number with the revised page, and discard the old page.

Added pages (A)

Added pages are new. Use the LEP to find the correct location to put them. Existing pages are not affected.

Deleted pages (D)

Remove these pages from the manual, and discard them.

Temporary Revisions

Remove any temporary revisions (TRs) that have a date earlier than the date of this revision.

Do not remove any TRs that have a date later than the date of this revision.

TRs with a later date will be incorporated in the next revision of the manual (unless they are superseded by a subsequent TR).

A TR Status Report is sent with each TR.

The TR Status Report has a list of all TRs that were sent for this manual during the last two revisions. At the top of the list are the date and time that the list was created.

When you have more than one TR, the TR Status Report with the latest date and time gives you the most current information.



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Aerolineas Argentinas HIGHLIGHTS

CHAPTER 00 -

TITLE Changed the proprietary statement.
PAGE
1-2
LIST Changed the registry number.
OF
AIRPLANES
1-2

CHAPTER 05 -

05-51-111 Added the warning in the first page to ensure this warning is
201-203 viewed by maintenance personnel as being a high priority.
05-51-111 Re-issued the page.
201-202
05-51-281 Re-issued the pages.
201-216
05-51-281 Added reference to Service Bulletin 737-55A1070.
201
05-51-281 Changed the table to text or figures.
203
205-206
208-215
05-51-291 Changed the format of the data.
203

CHAPTER 07 -

07-11-11 Added steps to jacking procedure.
202-203
207
07-11-21 Added step to jacking procedure.
201
07-11-21 Added the data to the procedure.
203

CHAPTER 09 -

09-10-0 Added step to release parking brake.
205

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CHAPTER 10 -

- 10-11-0
212 Changed the part number of the pitot cover.
- 10-11-0
214 Changed the format of the data.

CHAPTER 12 -

- 12-11-01
306 Changed the data of Fuel Requirements to reference the Airplane Flight Manual.
- 12-13-11
201,203 Added the illustration. Changed the fill steps.
- 12-15-31
205,209 Added "service landings" to clarify the procedure to the step.
- 12-15-41
204 Added "service landings" to clarify the procedure to the step.
- 12-20-0
203-204 Changed the data for the grease consumable materials.
- 12-21-11
203 Changed the illustration to show greasing the the trunnion pin with zerk fitting as an option.
- 12-22-41
201-202
204 Added Service Bulletin 27A1278 to procedure.
- 12-22-41
201 Changed the data for the grease consumable materials.
- 12-22-51
206 Added the data for ballscrews with four lubrication fittings.
- 12-25-11
201 Changed the data for the grease consumable materials.
- 12-25-21
201 Changed the data for the grease consumable materials.
- 12-25-31
201 Changed the data for the grease consumable materials.
- 12-25-41
201 Changed the data for the grease consumable materials.
- 12-25-61
201 Changed the data for the grease consumable materials.
- 12-25-71
201 Changed the data for the grease consumable materials.
- 12-25-91
201 Changed the data for the grease consumable materials.
- 12-25-91
203 Removed the instruction to flush the roll pin.
- 12-25-101
201 Changed the data for the grease consumable materials.
- 12-25-111
201 Changed the data for the grease consumable materials.

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- 12-25-121
201 Changed the data for the grease consumable materials.
- 12-40-0
201 Added the pitot cover part number to the procedure.
- 12-40-0
201 Added the recommended pressure note to be used by spray equipment.
- 12-40-0
221 Added the note to the procedure.
- 12-50-0
203,207
218 Added the cold weather procedure data.
- 12-50-0
208-209
211 Added the data for the removal of deicing fluid prior to takeoff.

CHAPTER 20 -

- 20-10-11
402,404 Added caution to procedure.
- 20-10-11
402
405-406 Added the data to prevent surface damage during the removal and installation of decals.
- 20-10-51
803 Added the data for rynglok union repairs.
- 20-10-51
814,838 Changed the format of the data.
- 20-10-151
401
403-404 Added the procedure to lubricate the part when the fitting is blown out or broken.
- 20-30-21
203 Changed the data for the grease consumable materials.
- 20-30-31
201-214 Re-issued the pages.
- 20-30-31
202 Added the disinfectants to the table.
- 20-30-31
213 Added the chemical stripper to the table.
- 20-40-11
203 Added the tool to the procedure.
- 20-50-11
201
204-215 Changed the figures and text to match.
- 20-60-01
202 Changed the data for the WARNING on circuit breaker reset.
- 20-60-01
202 Added the warning to the procedure.

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- CHAPTER 21 -
- 21-11-0 Re-issued the page.
101-110
- 21-11-0 Changed the figure numbers in the text to match the figures.
101,103
106
108-109
- 21-12-0 Removed the effectivity that is not applicable to this AMM.
1-4
- 21-12-0 Removed the effectivity that is not applicable to this AMM.
501-502
- 21-12-21 Removed the airplanes that are not applicable to this AMM.
401-402
- 21-21-0 Re-issued the page.
1-6
- 21-22-0 Re-issued the page.
1-4
- 21-23-0 Re-issued the pages.
1-10
- 21-23-61 Added the data for the vent muffler.
201
- 21-24-11 Added information for reinstallation of the insulation.
803
- 21-31-0 Added a step and a caution to prevent the airplane from being
517 pressurized while the fuel tank access panels are not installed.
- 21-32-41 Added the note to check the stencil on the aft blowout panel.
401-402
404
- 21-52-0 Changed the figures to match the callouts in the text.
1-10
- 21-52-91 Re-issued the page.
801-804
- CHAPTER 22 -
- 22-11-241 Changed the data for the grease consumable materials.
401
- CHAPTER 23 -
- 23-31-0 Changed the format of the title.
1-6
- 23-31-11 Changed the description of the tasks in this procedure.
401-406
- 23-61-0 Added data for Chelton static discharger test procedure and added
603-604 illustration.

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CHAPTER 26 -

26-11-11 Added CMM reference.
401

CHAPTER 27 -

27-11-21 Changed the data for the grease consumable materials.
401
27-11-61 Added the tensiometer to the tool.
401
27-11-71 Moved the boot installation after the adjustment.
405
27-11-81 Changed the data for the grease consumable materials.
401
27-11-101 Changed the grease specification.
401
27-11-101 Added a rigging pin kit.
401
27-11-111 Added tools.
401
27-11-121 Added a rigging pin kit.
401
27-11-131 Added a rigging pin kit.
401
27-11-141 Changed the data for the grease consumable materials.
401
27-21-0 Added the data for Adjustment/Test of Rudder and Rudder Trim Contr
505,522
27-21-1 Added the data for the Adjustment/test of Rudder and Rudder Trim
505 Control System.
525-526
27-21-1 Added the step to close the circuit breaker.
514,518
27-21-11 Changed the installation of the fairing.
408
27-21-12 Changed the installation of the fairing.
409
27-21-51 Added the rig pin kit part number to the tool.
401
27-21-82 Changed the data for the grease consumable materials.
401
27-21-111 Changed the data for the grease consumable materials.
401
27-21-141 Added the data for standby rudder actuator test.
503-504
27-31-0 Added the missing information for the cable system.
116



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- 27-31-0
117 Changed T.O to AMM 27-31-41-501.
- 27-31-0
506 Changed the data for the grease consumable materials.
- 27-31-0
521-522 Changed the figure callouts from Figure 508A to Figure 509/510 and
525 Figure 510 to Figure 512/513.
- 528-529
- 27-31-71
401 Changed the data for the grease consumable materials.
- 27-31-101
401 Changed the data for the grease consumable materials.
- 27-31-191
401 Changed the data for the grease consumable materials.
- 27-41-81
401 Changed the data for the grease consumable materials.
- 27-41-81
402 Added note for the correct positioning of the horizontal
stabilizer locks.
- 27-41-81
601 Added procedures per service bulletin 27A1278.
- 606-607
- 27-41-101
401 Added the data for the removal/installation of the stabilizer trim
405-406 limit switches.
- 27-51-41
401 Changed the data for the grease consumable materials.
- 27-51-51
602 Changed the illustration to show that the limits are for both the
inboard and outboard hinged flaps.
- 27-51-61
401 Changed the data for the grease consumable materials.
- 27-51-72
401 Changed the data for the grease consumable materials.
- 27-51-73
410 Changed the data for the grease consumable materials.
- 27-51-81
401 Changed the data for the grease consumable materials.
- 27-51-81
602-604 Added the wear limits for the spindle bearing and enclosure.
- 27-51-81
801 Changed the data for the grease consumable materials.
- 27-51-111
401 Changed the data for the grease consumable materials.
- 27-51-161
401 Changed the data for the grease consumable materials.
- 27-51-201
401 Changed the data for the grease consumable materials.
- 27-51-201
501 Changed the data for the grease consumable materials.



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27-51-211 401	Changed the data for the grease consumable materials.
27-51-222 401	Changed the data for the grease consumable materials.
27-51-231 401	Changed the data for the grease consumable materials.
27-51-241 401	Changed the data for the grease consumable materials.
27-51-251 401	Added BMS 3-33 as the recommended grease.
27-51-251 401	Changed the data for the grease consumable materials.
27-51-261 401	Changed the data for the grease consumable materials.
27-51-271 401	Changed the data for the grease consumable materials.
27-51-281 401	Changed the data for the grease consumable materials.
27-51-281 406	Added the AMM reference to the procedure.
27-51-281 601	Changed the data for the grease consumable materials.
27-51-291 401	Changed the data for the grease consumable materials.
27-58-12 401	Added BMS 3-33 as the preferred grease.
27-58-12 401	Changed the data for the grease consumable materials.
27-58-31 401	Changed the data for the grease consumable materials.
27-61-11 401	Changed the step to put FLT CONTROLS B switch to ON.
27-61-21 401	Changed the data for the grease consumable materials.
27-61-31 401	Changed the data for the grease consumable materials.
27-61-51 401-402	Added a step to install spoiler actuator locks.
27-62-0 504	Changed the data for the grease consumable materials.
27-62-41 401	Changed the data for the grease consumable materials.
27-62-51 401	Changed the data for the grease consumable materials.
27-62-91 503	Added a step to position the SPOILER A and B switches to ON.
27-81-12 402-405	Added a figure sheet that shows the torque values.

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- 27-81-31 Changed the data for the removal/installation of leading edge flap
401,403 actuators.
27-81-31 Added the data for SB 57-1229R3 which changed the aluminum krueger
601 flap actuator support fitting to the steel krueger flap actuator
support fitting.
- CHAPTER 28 -
- 28-00-00 Added steps to inspect for loose clamps and corrosion.
203
28-10-0 Added alternate ventilation equipment.
217
28-11-0 Changed the fuel leak evaluation criteria.
31
28-11-0 Changed the address for obtaining Hy-Lite test kits.
203
28-11-11 Added the data for a step to identify which access panels are
401,403 impact resistant.
28-11-71 Added this procedure: Overwing Fill Port - Inspection/Check.
601-602
28-11-71 Added the figure to show bonding locations.
601-602
28-12-21 Added airworthiness limitation data.
401,403
28-13-31 Added the Air Vent Scoop Flame Arrester - Inspection/Check
601-604
28-13-31 Changed the data of air vent scoop flame arrestor bonding
601 resistant check to be measure between air vent stack and air vent
scoop access panel, and between the air vent scoop access panel
and the lower wing skin.
28-13-31 Added the figure to show the bonding locations.
601-603
28-13-41 Added pressure relief valve bonding resistance check.
601-606
28-13-41 Added the figure to show the bonding locations.
605-606
28-21-12 Added Fueling Receptacle - Inspection/Check procedure.
601-602
28-21-52 Added the Fueling Shutoff Valve - Inspection/Check procedure.
601-602
28-22-0 Changed the trouble shooting procedures for the boost pump with
101-126 open circuit breaker.
28-22-0 Added the Engine Fuel Feed Lines/Coupling Pressure Test for
201-210 airplanes equipped with Wiggins fittings.
28-22-11 Removed data due to duplications.
401-403
405
28-22-11 Added Engine Fuel Shutoff Valve - Inspection/Check procedure.
601-602

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- 28-22-11 Added the figure to show the bonding locations.
601-602
- 28-22-21 Added the data to retract the flaps.
401-403
405-406
- 28-22-21 Added Fuel Crossfeed Valve - Inspection/Check procedure.
601-602
- 28-22-21 Added the figure to show the bonding locations.
601-602
- 28-22-32 Added APU Fuel Shutoff Valve - Inspection/Check procedure.
601-602
- 28-22-41 Added the data for removing electrical power.
402
- 28-22-41 Added the steps for the Fuel Boost Pump Bonding Resistance Check.
601-614
- 28-22-41 Added the figure to show the bonding locations.
601-604
- 28-22-41 Added airworthiness limitation data.
608-609
- 28-22-41 Added the data to remove electrical power.
610
- 28-22-81 Added the data to close and latch the engine cowling.
406
- 28-22-141 Changed the depth requirements for dents in tubing.
601
- 28-41-101 Added steps to the FQIS wiring and component inspection.
601-608
- 28-42-11 Added the data for a step in the installation procedure of the
404 fuel low pressure switch.
- CHAPTER 29 -
- 29-00-00 Changed the references.
602,625
- 29-00-00 Added the effectivity for Abex, and Vicker pumps.
603,611
615-616
627
629-635
641
- 29-11-11 Added data to show that some airplanes do not have tire burst
401,403 protector screen doors.
- 29-11-11 Changed the data for the removal/installation of system A
401 hydraulic reservoir.
- 29-11-12 Added data to show that some airplanes do not have tire burst
401 protector screen doors.
- 29-11-21 Added data to show that some airplanes do not have tire burst
401 protector screen doors.

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- 29-11-51 Added System A Hydraulic Fluid Heat Exchanger - Inspection/Check
601-602 procedure.
29-11-51 Added the figure to show the bonding locations.
601-602
29-11-53 Added System A Hydraulic Fluid Heat Exchanger - Inspection/Check
601-602 procedure.
29-11-53 Added the figure to show the bonding locations.
601-602
29-11-121 Added data to show that some airplanes do not have tire burst
401,403 protector screen doors.
29-11-121 Changed the data to read "Check that system A pressure gage drop
403 to 0 psi to ensure there is no internal leakage in the ground
interconnect valve".
29-12-11 Added data to show that some airplanes do not have tire burst
401,403 protector screen doors.
29-12-11 Changed MCS352 to MCS352B.
401
29-12-21 Added data to show that some airplanes do not have tire burst
401,404 protector screen doors.
29-12-101 Removed the airplanes that are not applicable to this AMM.
401-404
29-19-100 Changed the data for the removal/installation of hydraulic ground
401 power disconnect unit.
29-21-0 Added the data for SB 27-1252 Rudder System Enhancement Program.
1,3
29-21-22 Add the effectivity: TASK/NYAB Installation.
501-502
29-21-22 Changed the data for the adjustment/test of standby hydraulic
501-502 system electric motor-driven pump.
29-31-11 Changed the data for removal/installation of hydraulic pressure
401 transmitters.
29-33-31 Changed the data for the removal/installation of sytem B hydraulic
401-402 system reservoir low level warning switch.
- CHAPTER 30 -
- 30-42-11 Changed the data for the grease consumable materials.
401
- CHAPTER 31 -
- 31-26-0 Changed the format of the reference.
511
- CHAPTER 32 -
- 32-09-100 Re-issued the pages.
501-520



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32-11-0 401	Changed the data for the grease consumable materials.
32-11-21 401	Changed the data for the grease consumable materials.
32-11-31 401	Changed the data for the grease consumable materials.
32-11-41 401	Changed the data for the grease consumable materials.
32-11-42 401	Changed the data for the grease consumable materials.
32-11-51 401	Changed the data for the grease consumable materials.
32-11-61 401	Changed the data for the grease consumable materials.
32-11-71 401	Changed the data for the grease consumable materials.
32-11-81 401	Changed the data for the grease consumable materials.
32-11-131 401	Changed the data for the grease consumable materials.
32-13-11 405	Added the data for the landing gear control lever switch position.
32-21-0 401	Changed the data for the grease consumable materials.
32-21-21 401	Changed the data for the grease consumable materials.
32-21-21 601	Changed the data for the grease consumable materials.
32-21-31 401	Changed the data for the grease consumable materials.
32-21-51 401	Changed the data for the grease consumable materials.
32-21-61 401	Changed the data for the grease consumable materials.
32-32-11 401	Changed the data for the grease consumable materials.
32-32-41 401	Changed the data for the grease consumable materials.
32-32-41 402	Added the procedure for airplanes not on jacks.
32-32-51 401	Changed the data for the grease consumable materials.
32-32-51 402	Added bleed procedure for airplanes not on jacks.
32-32-91 401	Changed the data for the grease consumable materials.
32-32-101 401,404	Changed the data for the grease consumable materials.



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- 32-33-11
401 Changed the data for the grease consumable materials.
- 32-33-21
401 Changed the data for the grease consumable materials.
- 32-33-51
401 Changed the data for the grease consumable materials.
- 32-33-61
401 Changed the data for the grease consumable materials.
- 32-35-11
401 Changed the data for the grease consumable materials.
- 32-42-11
406 Added the step to set the antiskid switches to the OFF position.
- 32-45-21
402 Added data to do a visual inspection of the NLG axles for corrosion.
- 32-45-31
201 Added a step to release the parking brake.
- 32-51-11
401-402 Changed the data to clarify that the bracket can only be removed/reinstalled with the metering valve.
- 405
- 32-51-51
401 Changed the data for the grease consumable materials.
- 32-51-61
401 Changed the data for the grease consumable materials.

CHAPTER 33 -

- 33-25-11
401-402 Changed the format of the figure reference.
- 33-42-21
402 Changed the data of repair material for inboard landing light lens.
- 33-43-0
1-2 Removed the figure reference.
- 33-51-81
201-204 Removed the space before the dash mark.

CHAPTER 34 -

- 34-21-0
101-104 Re-issued the page.
- 34-21-0
201-212 Re-issued the pages.
- 34-21-0
501-504 Re-issued the page.
- 34-22-0
101-104 Re-issued the page.
- 34-22-0
501-504 Re-issued the pages.
- 34-24-11
203 Changed the Standby Compass Calibrator picture.

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34-25-0 Changed the limit to ± 1 degree.
501-502
34-26-0 Re-issued the page.
101-102
34-26-0 Re-issued the pages.
501-508
34-31-0 Re-issued the pages.
1-8
34-31-0 Re-issued the page.
101-102
34-31-0 Re-issued the page.
501-504
34-31-21 Re-issued the pages.
401-404
34-31-51 Re-issued the pages.
401-402
34-35-0 Re-issued the pages.
101-102
34-41-0 Re-issued the page.
1-10
34-41-0 Re-issued the page.
101-104
34-41-0 Changed the data for the Weather Radar WARNING for safe operation
101 distances.
34-41-0 Re-issued the page.
501-510
34-41-0 Changed the data for the Weather Radar WARNING for safe operation
501 distances.
34-48-0 Re-issued the page.
1-10
34-48-0 Re-issued the page.
501-502
34-53-0 Re-issued the page.
1-10
34-53-0 Changed the effectivity to AR ALL EXCEPT LV-JMW thru LV-LEB.
101-102
34-53-0 Re-issued the page.
501-514
34-53-11 Re-issued the pages.
401-404
34-55-0 Re-issued the page.
1-6
34-55-0 Re-issued the page.
101-102
34-55-0 Re-issued the page.
501-504
34-55-01 Re-issued the page.
101-102

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34-57-0 Re-issued the page.
101-104
34-57-0 Re-issued the page.
501-502

CHAPTER 35 -

35-00-00 Re-issued the page.
201-210
35-31-0 Changed the format of the table.
501-504

CHAPTER 36 -

36-11-0 Re-issued the page.
101-104
36-12-0 Re-issued the pages.
101-102

CHAPTER 38 -

38-11-0 Re-issued the pages.
101-102
38-32-0 Re-issued the pages.
101-106
38-32-41 Changed the data for the grease consumable materials.
402-403

CHAPTER 49 -

49-00-00 Re-issued the page.
101-162
49-00-00 Changed Figure 107 reference to Figure 108 in Figure 110.
121
49-00-00 Changed a block in Figure 115 to "See Fig. 113".
127
49-00-00 Added reference (AMM 49-00-00-1, Fig. 121) to Figure 122, APU Load
139 Control Valve Cycles On/Off.
49-11-0 Re-issued the pages.
201-240
49-11-0 Re-issued the page.
601-618
49-12-0 Changed the format of the figure reference.
1-2
49-12-0 Added a new step and sub-steps to restore the airplane to normal
702 configuration.
49-12-41 Added steps to open the APU access.
501-502

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- 49-13-0 Changed the format of the figure reference.
1-4
- 49-15-22 Added a new step to remove placard from APU BATTERY SWITCH and APU
302 START SWITCH.
- 49-15-31 Added steps to open and close the stabilizer trim control circuit
401,404 breaker during maintenance.
- 49-21-0 Changed the data for the grease consumable materials.
501-502
507,510
516-517
- 49-31-42 Added the data to check the combustor clamp for cracks.
402
- 49-31-71 Added four new steps and a CAUTION and a new step and sub-steps to
601,604 restore the airplane to normal configuration.
- 49-31-92 Added a new step to remove the tubing that was installed in step
503 (1).
- 49-41-31 Changed the data for the APU test.
401
- 49-51-22 Changed the format of the figure reference.
401-402
- 49-52-51 Added new steps and CAUTIONS to remove and examine the shroud.
401
- 49-61-0 Re-issued the pages.
1-8
- 49-61-21 Changed the data for the grease consumable materials.
401
- 49-71-0 Re-issued the pages.
501-506
- 49-71-0 Changed step 3.C.(2) from Fig. 501 to Table 501. Added Table 501
502-503 title to table.
- 49-71-01 Re-issued the page.
501-510
- 49-81-31 Changed the reference from 26-51-00/501 to 26-15-01/501.
401-402
406
- 49-91-51 Added new step after step 5 to examine the upper shroud seal for
403 damage.
- CHAPTER 51 -
- 51-21-11 Added caution to paint stripping procedure.
703
- 51-21-11 Added the data to the procedure.
703-705
707
- 51-21-21 Added caution to cleaning and painting procedure.
702-703
706



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- 51-21-51 Re-issued the pages.
701-710
- 51-21-71 Added the tool to the procedure.
701
- 51-21-81 Re-issued the pages.
701-706
- 51-21-91 Re-issued the pages.
701-714
- 51-21-121 Re-issued the pages.
701-706
- 51-21-131 Re-issued the page.
701-714
- 51-21-131 Added caution to procedure.
703
- 51-31-0 Added the data to the procedure.
203-204
218,220
- 51-31-0 Added caution to procedure.
205
- 51-51-11 Re-issued the pages.
801-808
- 51-51-21 Re-issued the pages.
801-804
- CHAPTER 52 -
- 52-11-0 Changed the part number for the door safety barrier.
401
- 52-11-0 Changed the data for the grease consumable materials.
401
- 52-11-0 Changed the orientation of the bolt that holds the guide arm to
403 the main entry door.
- 52-11-11 Changed the data for the grease consumable materials.
401
- 52-11-21 Changed the data for the grease consumable materials.
401
- 52-11-41 Changed the data for the grease consumable materials.
401
- 52-14-0 Re-issued the pages.
101-106
- 52-32-0 Re-issued the pages.
101-114
- 52-32-13 Changed the data for the grease consumable materials.
401-402
404-405
- 52-32-21 Changed the data for the grease consumable materials.
401
- 52-32-31 Changed the data for the grease consumable materials.
401



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- 52-32-41 Changed the data for the grease consumable materials.
401
- 52-41-0 Changed the part number for the door safety barrier.
401
- 52-41-11 Changed the data for the grease consumable materials.
401
- 52-41-21 Changed the data for the grease consumable materials.
401
- 52-41-41 Changed the data for the grease consumable materials.
401
- 52-61-0 Re-issued the page.
101-118
- 52-61-111 Changed the data for the grease consumable materials.
401
- 52-61-116 Changed the data for the grease consumable materials.
401
- 52-61-221 Changed the data for the grease consumable materials.
401
- 52-61-611 Re-issued the pages.
501-504
- 52-71-0 Re-issued the pages.
101-108
- CHAPTER 53 -
- 53-14-0 Re-issued the pages.
701-704
- 53-21-0 Re-issued the page.
401-404
- 53-21-0 Added data for steps and CDCCL note about removing cabin floor
401-402 panels.
- 53-52-0 Re-issued the pages.
601-602
- 53-52-0 Re-issued the pages.
701-710
- 53-52-0 Re-issued the pages.
801-802
- CHAPTER 54 -
- 54-10-02 Added steps to remove plugs from the drain lines.
601
- 54-41-0 Re-issued the pages
601-608
- 54-41-0 Added inspection for the aft mount fitting.
601
- 54-41-11 Changed the data for the grease consumables.
401



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- 54-41-11 Changed the data for the forward engine mount bolt.
401-405
- 54-51-41 Changed the data for the grease consumable materials.
401
- CHAPTER 56 -
- 56-11-0 Added the data for the inspections of the vinyl fail-safe
1-7 interlayer and improved damage descriptions of the window components.
- 56-11-0 Added the procedure for the inspections of the vinyl fail-safe
601-638 interlayer and damage descriptions of the window components.
- 56-11-0 Re-issued the pages.
801-808
- 56-11-11 Re-issued the pages.
401-414
- 56-11-21 Re-issued the pages.
601-608
- 56-11-31 Re-issued the pages.
601-602
- 56-12-0 Added the data for the inspections of the vinyl fail-safe
1-4 interlayer and improved damage descriptions of the window components.
- 56-12-11 Re-issued the pages.
101-104
- 56-12-11 Removed a space from the title.
501-506
- 56-12-11 Added the data for the inspections of the vinyl fail-safe
601-616 interlayer and damage descriptions of the window components.
- 56-21-0 Changed the data to make the procedure optional.
301
- 56-22-0 Re-issued the pages.
601-612
- CHAPTER 57 -
- 57-15-0 Changed the data for the grease consumable materials.
401
- 57-15-0 Re-issued the pages.
601-608
- 57-30-0 Re-issued the pages.
1-2
- CHAPTER 71 -
- 71-00-00 Re-issued the page.
1-5
- 71-00-00 Added the arrow pointing to the tachometer pad.
5

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71-00-00 Changed the references.
101
71-00-00 Re-issued the page.
401-424
71-00-00 Changed the references and format.
401-402
407
414-415
417
421-422
71-00-00 Removed steps (T43A-60073, WCR, August 29, 2006) per PCR.
402
71-00-00 Changed the Warning to a Caution (T43A-60074, WCR, August 29, 2006) per PCR.
403
71-00-00 Changed the order of the steps because power should not be removed until all tasks on the flightdeck are done.
403
71-00-00 Changed the step to read installation instead of removal (T43A-60077, WCR, August 29, 2006) per PCR.
414
71-00-00 Added the step to inspect the components.
415
71-00-00 Removed the last sentence from a step because the information is repeated in a later step.
422
71-00-00 Re-issued the page.
501-516
71-00-00 Changed the reference in the two notes from Fig. 502 to Fig. 503.
514
71-09-100 Re-issued the page.
205-206
209-214
226-231
71-09-100 Added a step to move start lever to cutoff.
217
71-09-100 Changed the starter engagement speed from 15% N2 to 0% N2. Starter should not be engaged until N2 has dropped to zero.
224,246
71-09-100 Added the step to monitor the engine and moved the NOTE.
233
71-09-100 Changed the step to check the oil level.
235
71-09-200 Re-issued the page.
201-220
71-09-200 Reissued the page.
208
211-213
71-09-200 Added the step to check the filter screens and elements.
217
71-09-200 Changed the name of the circuit breaker and added two more steps.
217-218
71-09-210 Re-issued the page.
203-204



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- 71-11-21 Changed the steps and added steps to clarify the procedure.
401,404
- 71-20-0 Removed allowable damage limits from the AMM.
601-608
610
- 71-20-0 Added the Engine Mounts wear and damage data.
601-608
610
- 71-20-0 Changed the number of the flagnote.
609
- 71-21-11 Changed the data for the grease consumable materials.
401
- 71-21-21 Re-issued the page.
401
- 71-21-21 Added the proper reference.
401
- 71-21-21 Changed the data for the grease consumable materials.
401
- 71-22-11 Changed the data for the grease consumable materials.
401
- 71-22-21 Changed the data for the grease consumable materials.
401
- CHAPTER 73 -
- 73-14-31 Added the steps to pull the fire switch and open the circuit
401,403 breaker, push in the fire switch and close the circuit breaker.
- 73-31-0 Changed the resistance requirement for the TJ85 transmitter.
104
- 73-31-11 Re-issued the page.
401-404
- 73-31-11 Changed the actions from "pull" and "push in" to "open" and
401,404 "close".
- CHAPTER 74 -
- 74-00-00 Re-issued the page.
101-102
- 74-11-11 Added a step before the warning to pull circuit breakers
801,803 (T43A-60062, WCR, August 10, 2006) per PCR.
- 74-21-11 Added a warning about the danger of high voltage (T43A-60064, WCR,
501 August 21, 2006) per PCR.
- 74-31-11 Re-issued the page.
401
- CHAPTER 75 -
- 75-00-00 Re-issued the page.
1-2

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75-31-0 Re-issued the pages.
601-604
75-31-0 Removed CMM reference from the AMM because CMM is not available at
603 line maintenance stations.
75-31-11 Added the step to perform leak and operation test.
405

CHAPTER 76 -

76-11-11 Re-issued the pages.
403,406
76-11-21 Re-issued the page.
202-206
76-11-21 Added the step to install the access door.
601
76-11-31 Re-issued the pages
402
76-11-41 Changed the order of the steps.
401,405
76-11-71 Re-issued the pages.
401-416
76-11-71 Added the missing Figure 402, re-numbered remaining Figures.
401-403 Changed the references as necessary.
405-414
76-11-91 Changed the data for the grease consumable materials.
401

CHAPTER 77 -

77-11-0 Re-issued the page.
101-104
77-12-11 Re-issued the page.
401-406
77-12-11 Changed the test after N1 tachometer generator removal and
404 installation from engine tachometer system test to operation test.

CHAPTER 78 -

78-32-01 Re-issued the page.
501-526
78-32-101 Re-issued the pages.
401-406
78-32-132 Added the leakage limits for the thrust reverser hydraulic
404 actuators.
78-32-142 Re-issued the pages.
501-504
78-32-142 Added a step to tighten the 4 latch fitting bolts to 90-125
502 pound-inches (T43A-60082, WCR, September 1, 2006) per PCR.



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- 78-34-07
404 Added the steps to check for leaks and return the airplane to its usual condition.
- 78-34-12
402 Added steps for a test of the thrust reverser operation.
- 78-34-22
401 Removed the steps to open and close the air conditioning equipment bay doors.
- 78-34-61
401 Added a step that removes panel 3104 from the left forward part of the nose wheel well.
- 78-34-61
501-502 Added a step that installs panel 3104 on the left forward part of the nose wheel well.

CHAPTER 79 -

- 79-11-21
401 Added the step to service the oil tank.
- 79-21-0
201-204 Re-issued the pages.
- 79-21-11
405 Changed the step to close the cowl panel.
- 79-31-0
101-104 Re-issued the page.
- 79-31-0
501-512 Re-issued the page.
- 79-32-11
402 Changed the location of the step to close the cowl panel.
- 79-35-0
501 Changed the pressure for warning light illumination from 34 psig to 34-38 psig.
- 79-35-11
401 Changed the order of the steps to eliminate duplicate bleeding of the sensing line.

CHAPTER 80 -

- 80-11-0
1-18 Re-issued the page.
- 80-11-31
401 Added the steps to open and then close the cowl panel.

Aerolinas Argentinas

PAGE	DATE	CODE	PAGE	DATE	CODE	PAGE	DATE	CODE
TITLE PAGE								
R 1	AUG 01/07	17.1						
2	BLANK							
LIST OF EFFECTIVE PAGES								
EFFECTIVE PAGES								
SEE LAST PAGE OF LIST								
FOR NUMBER OF PAGES								
REVISION RECORD								
1	DEC 01/04	01						
2	BLANK							
INTRODUCTION								
1	AUG 01/05	01						
2	AUG 01/06	01						
3	AUG 01/06	01						
4	AUG 01/06	01						
5	AUG 01/06	01						
6	AUG 01/06	01						
7	AUG 01/06	01						
8	AUG 01/06	01						
9	AUG 01/06	01						
10	AUG 01/06	01						
LIST OF AIRPLANES								
R 1	AUG 01/07	20.1						
2	BLANK							
MANUAL CONTENTS								
1	DEC 01/04	01						
2	DEC 01/04	01						
LIST OF SERVICE BULLETINS								
1	AUG 01/06	01						
R 2	AUG 01/07	17.1						
R 3	AUG 01/07	17.1						
R 4	AUG 01/07	17.1						
R 5	AUG 01/07	17.1						
R 6	AUG 01/07	17.1						
R 7	AUG 01/07	17.1						
R 8	AUG 01/07	17.1						
R 9	AUG 01/07	17.1						
R 10	AUG 01/07	17.1						
R 11	AUG 01/07	16.1						
R 12	AUG 01/07	16.1						
R 13	AUG 01/07	15.1						
R 14	AUG 01/07	15.1						
R 15	AUG 01/07	15.1						
R 16	AUG 01/07	15.1						
R 17	AUG 01/07	15.1						
R 18	AUG 01/07	15.1						
R 19	AUG 01/07	15.1						
R 20	AUG 01/07	15.1						
R 21	AUG 01/07	14.1						
R 22	AUG 01/07	14.1						

R = REVISED, A = ADDED OR D = DELETED
 F = FOLDOUT PAGE
 30
 AUG 01/07

D6-12030

CHAPTER 00
 EFFECTIVE PAGES
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 LAST PAGE



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REVISION RECORD

All revisions to this manual will be accompanied by a transmittal sheet bearing the revision number. Enter the revision number in numerical order, together with the date filed and the initials of the person filing, in the form below:

REVISION NO.	DATE FILED	BY	REVISION NO.	DATE FILED	BY	REVISION NO.	DATE FILED	BY

Revision Record
Figure 1

REVISION RECORD



MAINTENANCE MANUAL

INTRODUCTION

1. General

- A. Maintenance Engineering Technical Services personnel made this document in accordance with the Air Transport Association of America Specification Number 100, "Specification for Manufacturers' Technical Data."
- B. It contains the information necessary to enable the mechanics to service, troubleshoot, functionally check, and repair all systems and equipment installed in the Boeing 737 airplane. It includes information necessary for the mechanic to perform maintenance practices or make minor repairs to any unit in the airplane normally requiring such action on the line or in the maintenance hangar. It covers the configuration of the airplanes as delivered to the customer.

NOTE: This manual is prepared specifically to cover the Boeing airplanes listed in the List of Airplanes. It contains instructions and information applicable solely to those specific airplanes, in their as-delivered configuration. Any applicable Boeing service bulletins are included if the operator notifies Boeing. (This occurs only if the operator has their own AMM).

Operators are solely responsible for 1) the accuracy and validity of all information furnished by the operator or any other party besides Boeing and 2) ensuring the maintenance documentation they are using is complete and matches the current configuration of the airplane, and, for operators receiving active revision service, that any modifications to the airplanes are properly reflected in the maintenance instructions contained in this manual. The Boeing Company assumes no responsibility in this regard.

This manual is not suitable for use, including without limitation, general instructions or training, for any airplanes not listed herein, nor does it necessarily apply to listed airplanes that have been conveyed to other operators.

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- C. This Maintenance Manual does not contain information relative to work normally performed on units or assemblies away from the airplane. The instructions for checking, repairing, adjusting, and testing units and assemblies, whenever special skills or special equipment are required, are included in the 737 Overhaul Manual. Neither does the Maintenance Manual contain information for the repair of the airplane structure. That information can be found in the 737 Structural Repair Manual. This Maintenance Manual does, however, contain information for inspection and maintenance of the airplane structure. This information will be found in Chapters 51 thru 57.
- D. The tools, fixtures and test equipment listed in the manual under the Equipment and Materials headings are those recommended by The Boeing Company and the Engine Manufacturer. Airlines may substitute an equivalent tool, fixture or test equipment for those listed in the manual (except as otherwise noted) provided the substitute item is functionally interchangeable, compatible with the related procedures and equally safe from an equipment and users standpoint.
- E. Torque Values
 - (1) Standard torque values for maintenance procedures are included in Chapter 20 of the Maintenance Manual. Standard torque values for electrical terminations are included in Chapter 20 - Standard Wiring Practices.
 - (2) Non-standard torque values for maintenance procedures are included in the applicable installation step within the procedure.

2. Communication to Boeing

- A. Send communications about this publication to Boeing Commercial Airplane Services. Write "Attention: Manager, Maintenance Engineering Technical Services."
 - (1) For a quicker response, use the Publications Change Request form.
 - (a) This form is available through your publications organization or on MyBoeingFleet at: https://www.myboeingfleet.com:443/boldweb/pcr_select.bhtml (user ID and password required).
 - (b) To get a MyBoeingFleet account, contact the account administrator at your company, or contact Boeing Digital Data Customer Support.

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(2) You can also e-mail requests directly into the Boeing Communication System at this address: <http://bcsweb.web.boeing.com/>

(a) Please provide this information:

- 1) airline name
- 2) your name
- 3) phone number
- 4) e-mail address
- 5) airplane model-type
- 6) title of manual, or document number
- 7) chapter-section-subject
- 8) a description of the change

3. Crew Station Nomenclature

A. The following crew station designations were established based on the basic airplane configuration, and have been used throughout the manual to identify the crew stations and related panels and controls. Refer to Chapter 25 for a description of the crew stations.

- (1) Captain
- (2) First Officer
- (3) First Observer
- (4) Second Observer

4. List of Effective Pages

A. A list of effective pages is provided for each chapter in printed and microfilm manuals.

B. The list is a numerical list of effective pages for the chapter that is located at the beginning of the chapter. The pages are identified with the words EFFECTIVE PAGES.

- (1) Cabin Attendants

5. Table of Contents

A. Each chapter has a chapter table of contents which shows the chapter division into sections and subjects. The contents pages are identified with the chapter number followed by the word Contents . These pages are numbered separately starting with page 1.

6. Manual Arrangement and Numbering System

A. The Maintenance Manual is divided into chapters and groups of chapters. Each group and every chapter has a tab provided for ease of location.

- (1) The chapterization separates the manual into the primary functions and systems of the airplane.

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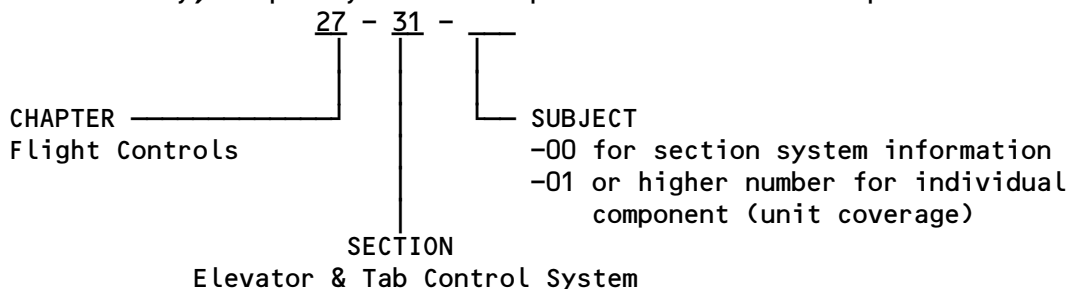


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- (2) The chapters are further divided into sections and subjects to provide for subsystem and individual unit breakout.
 - (a) Each chapter, section and subject is identified by an assigned number.
 - (b) Each page carries the assigned subject number, page number, page code and the revision date.
- B. For example, all units relating to the generation and distribution of electrical power are covered in Chapter 24, ELECTRICAL POWER, while electrically driven pumps and valves serving the fuel system are covered in Chapter 28, FUEL. Also, all units of the elevator control system, hydraulic, mechanical and electrical units, are included in Chapter 27, FLIGHT CONTROLS.
- C. The Group, Chapter and Section breakdown used in the manual is in accordance with ATA Specification No. 100 as revised by Revision 10, dated April 15, 1965.

7. Subject Numbering

- A. The chapters of this manual are broken down into sections and subjects each of which is numbered in a three-part subject-numbering system.
 - (1) The first number in the three-part subject number is the CHAPTER number and serves to identify the major functional system to which the subject pertains.
 - (2) The middle part of the number is the SECTION number and serves to identify all of the coverage pertaining to a system, subsystem, or group of related assemblies, including all units that are functionally a part of the system or group of related assemblies.
 - (3) The last part of the number is the SUBJECT number and serves to identify all information relative to a specific unit, minor assembly, simple system or simple circuit. For example:



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- B. In accordance with the ATA Specification 100, complete system information is included in subjects identified by the third part of the subject number being a dash-zero (-0 or -00) number.
 - (1) The descriptions of units which comprise the system or subsystem are also included with the complete system information to the extent necessary for understanding how they work in performing their function in the system. In those cases where the units are sufficiently complex, additional description and operation type information is given at the unit level.
- C. In the case of complex, multisystem chapters such as Flight Controls, the basic chapter section number (27-00) description and operation will consist of only a very general description of each of the various major sections covered in the chapter.
- D. In the case of complex, multisubject chapters such as Equipment and Furnishings, Chapter 25, which serve to collect information on various systems which are separate but which are related in ultimate function, the basic chapter section number (25-00) is omitted entirely or is used only to tabulate and cross reference the systems included.
 - (1) This category includes systems like these:
 - (a) Chapter 25 - EQUIPMENT AND FURNISHINGS
 - (b) Chapter 34 - NAVIGATION
- E. In the case of a complex section or system which consists of several systems or subsystems, a general description of the overall section, system and/or subsystems, is covered at the major section level. They are identified by the section number ending in zero (0) as well as the subject number ending in dash-zero (-0 or -00).
 - (1) For example, subject number 23-40-0 contains general description and operation information on the overall interphone systems.
 - (2) 23-41-0, 23-42-0 cover section-level detail description, operation, and maintenance information for the interphone subsystems.

8. Page Identification

- A. The four elements of page identification, which are located along the lower border, are:
 - (1) Chapter-Section-Subject Number
 - (2) Page Number
 - (3) Page Date
 - (4) Page Code
- B. The subjects are divided into reasonably small topics and subtopics to enable the user to locate the desired information more readily. The topics, subtopics, and pageblocks are defined by ATA Specification 100:
 - (1) These are the topics:
 - (a) Description and Operation (D & O)
 - (b) Troubleshooting
 - (c) Maintenance Practices
 - (2) These are the subtopics:
 - (a) Servicing
 - (b) Removal/Installation
 - (c) Adjustment/Test
 - (d) Inspection/Check
 - (e) Cleaning/Painting
 - (f) Approved Repairs

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- (3) These are the page blocks:
- (a) Description and Operation - 1 to 99
 - (b) Troubleshooting - 101 to 199
 - (c) Maintenance Practices - 201 to 299
 - (d) Servicing - 301 to 399
 - (e) Removal/Installation - 401 to 499
 - (f) Adjustment/Test - 501 to 599
 - (g) Inspection/Check - 601 to 699
 - (h) Cleaning/Painting - 701 to 799
 - (i) Approved Repairs - 801 to 899

- C. Whenever general maintenance instructions do not fall within one of the designated subtopics, the maintenance instructions will be released in the 201 page block.
- (1) Usually, each subtopic is written as an individual topic. But if all subtopics for one subject are brief, they are combined into one procedure with a topic of MAINTENANCE PRACTICES. These are in the 201 pageblock.
 - (2) The 201 pageblock can have special procedures, or a combination of the data that is usually in one or more of the the other pageblocks. (001, 101, 301, 401, 501, 601, 701, or 801).
- D. In those cases where topics and/or subtopics are not used, no pages for those pageblocks will show in the List of Effective Pages.

9. Chapter Responsibilities

- A. The Boeing Company is responsible for all chapters of this manual except the following:
- Chapter 72 ENGINE
 - Chapter 73 ENGINE FUEL AND CONTROL
- B. Chapter 72 is the sole responsibility of the engine manufacturer. Chapter 73 coverage is a dual responsibility. The Boeing Company is responsible for both the Engine Fuel Deicing System section (73-14-) and the Indicating section (73-30-). The engine manufacturer is responsible for all other sections of Chapter 73.

CAUTION: MAKE SURE THAT YOU DO ALL OF THE STEPS TO THE END OF THE TASKS. LARGE BLANK SPACES CAN OCCUR AT THE BOTTOM OF PAGES WHICH DO NOT ALWAYS INDICATE THAT YOU ARE AT THE END OF THE TASK. IF YOU DO NOT MAKE SURE THAT YOU COMPLETED THE TASK, DAMAGE TO EQUIPMENT OR SYSTEM MALFUNCTION COULD OCCUR.

- C. Although The Boeing Company is responsible for the coverage in the remaining power plant chapters, certain pages have been included which contain data prepared by the engine manufacturer. In other instances, the engine manufacturer's data has been combined with Boeing information. In both instances, the page identification and date of the engine manufacturer's original page will be noted along the binding edge of the Boeing page. In the chapters for which Boeing is responsible, vendor components and units are covered to the extent for which information was available from the vendors.

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10. Customer Originated Material

- A. Customer-originated material, incorporated into the manual at customer request to reflect data or procedures originated by, and peculiar to that specific customer, will be permanently identified by the customer's name, initial, or symbol in the space reserved for the revision bar. The Boeing Company will not undertake to test or evaluate in any form the validity or the technical accuracy of the customer-originated material, and the customer shall have the sole and exclusive responsibility for the validity and accuracy of materials submitted for incorporation into the manual.

THE BOEING COMPANY HEREBY EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, ORAL OR WRITTEN, ARISING BY LAW, COURSE OF DEALING, OR OTHERWISE, AND WITHOUT LIMITATION ALL WARRANTIES AS TO QUALITY, OPERATION, MERCHANTABILITY, FITNESS FOR ANY INTENDED PURPOSE, AND ALL OTHER CHARACTERISTICS WHATSOEVER, OF CUSTOMER-ORIGINATED MATERIAL INCORPORATED INTO THE MANUAL. THE FOREGOING DISCLAIMER SHALL ALSO APPLY TO ANY OTHER PORTION OF THE MAINTENANCE MANUAL WHICH MAY BE AFFECTED OR COMPROMISED BY SUCH CUSTOMER-ORIGINATED CHANGES.

11. Revision Service

- A. The Maintenance Manual will be kept current by revision service. A list of effective pages will be provided with each revision. Two revision services will be used to keep the manual current; they are normal and temporary, and are described below.
- B. Normal Revision Service
- (1) Airplane operators who have contracted continuing normal revision service for this manual receive revisions one time each year, dated August 1.
 - (2) List of Effective Pages
 - (a) The sections or pages which are revised will be identified on the list of effective pages by a R (Revised), A (Added), or D (Deleted).
 - (b) On each individual page the revised area is indicated by a revision bar on the left margin. Those pages which have not been technically revised, but have been reprinted due to recomposition are so indicated by a revision bar on the lower left margin opposite the page number and date.
 - (c) Each page is positively identified by a date and code number in the lower right corner. The List of Effective Pages (LEP) carries this information and is to be used as the authority for manual content.
 - (d) The date of a revised page may be earlier, same as, or later than the date of the replaced page.

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(e) The page code is basically a two-digit number which may have a decimal and up to three numbers following. The two basic numbers (left of decimal) provide technical identification of the page. The decimal and following numbers are for Boeing internal use.

1) Note that the decimal and additional numbers will be dropped from the LEP listing at the next revision if the page is unchanged. In that case, the page code will differ from the LEP page code (i.e., the page itself will still retain the extra digits). However, agreement of the first two digits, between LEP code and page code, assures that the page is correct for the manual.

C. Temporary Revision Service

- (1) Temporary revision service to this manual will be issued as necessary to alert the customer of configuration differences and to provide temporary instructions prior to the next scheduled revision. Temporary revisions may also be issued as a result of a customer request for incorporation of a service bulletin.
- (2) A temporary revision will apply to one page block only and will be keyed within the manual so that it will be filed adjacent to the affected pages. Temporary revisions will not be revised. If changes are required, the temporary revision will be superseded by another one.

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12. Environmental Requirements

A. In an effort to meet the various air quality environmental regulations, a specific series of solvents, based on process and material, have been provided. Located in Chapter 20, this table is derived from the corresponding BAC specifications and is intended to better provide the flexibility needed to meet local environmental requirements. The following table is located in both the AMM and Standard Overhaul Practices Manual to provide continuity across all models and all manuals:

ATA	Description	Series	BAC Spec.
20-30-80/201	General Cleaning of Metal	80	BAC 5750
20-30-81/201	General Cleaning of All Organic Coatings	81	BAC 5750
20-30-82/201	General Cleaning of Solvent-Resistant Organic Coatings	82	BAC 5750
20-30-83/201	General Cleaning of Composites	83	BAC 5750
20-30-84/201	Final Cleaning of Metal Prior to Painting	84	BAC 5750
20-30-85/201	Final Cleaning of All Organic Coatings Prior to Painting	85	BAC 5750
20-30-86/201	Final Cleaning of Solvent-Resistant Organic Coatings Prior to Painting	86	BAC 5750
20-30-87/201	Final Cleaning of Composites Prior to Painting	87	BAC 5750
20-30-88/201	Final Cleaning of Metal Prior to Non-Structural Bonding	88	BAC 5750
20-30-89/201	Final Cleaning of All Organic Coatings Prior to Non-Structural Bonding	89	BAC 5750
20-30-90/201	Final Cleaning of Solvent-Resistant Coatings Prior to Non-Structural Bonding	90	BAC 5750
20-30-91/201	Final Cleaning of Composites Prior to Non-Structural Bonding	91	BAC 5750

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ATA	Description	Series	BAC Spec.
20-30-92/201	Final Cleaning Prior to General Sealing	92	BAC 5000
20-30-93/201	Final Cleaning Prior to Fuel Tank Sealing	93	BAC 5504
20-30-94/201	Final Cleaning Prior to Application of Rain Erosion Resistant Coating	94	BAC 5880
20-30-95/201	Final Cleaning Prior to Aerodynamic Smoothing and Fairing	95	BAC 5030
20-30-96/201	Final Cleaning of Oxygen Components Exposed to Oxygen	96	BAC 5402
20-30-97/201	Final Cleaning Prior to Structural Bonding	97	BAC 5514
20-30-98/201	Cleaning of Specific Polymerics	98	BAC 5750
	Cleaning of Phenolics or Nylon	98-1	BAC 5750
20-30-99/201	Final Cleaning of Composites Prior to Structural Bonding	99	BAC 5578

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LIST OF AIRPLANES

1. General

- A. This manual is applicable to the airplanes in this list.
- B. This manual uses the original (delivery) registry number or the alternative registry number to identify data that is only applicable to some airplanes.
 - (1) The original registry number cannot be removed from the list because the text and illustrations are not changed each time the registry number changes.
 - (2) When more than one registry number was used in this manual, an alternative registry number will show in the Alt Registry column.
 - (3) A two- or three-letter customer effectivity code (Cust Eff Code column) is used before some sets of registry numbers.
- C. Before you use the data in this manual to do maintenance on an airplane, use one of the unique numbers for the airplane to find the original registry number, and the alternative registry number.
 - (1) The serial number, and block number (variable tab) are unique for all airplanes, regardless of the model.
 - (2) The line number is also unique for each airplane in the 737-100/200 model-series.

2. Type Designation

- A. Standard Passenger Airplanes
 - (1) Those 737 airplanes with no capability for conversion to cargo.
- B. Passenger/Cargo Convertible Airplanes
 - (1) Those 737 airplanes with passenger/cargo conversion capability.

Model	Cust Eff Code	Block Number	Serial Number	Line Number	Original Registry	Alt Registry	Current Registry
737-287	AR	PH741	20523	285	LV-JTD		LV-JTD
737-287	AR	PH743	20768	331	LV-LEB		LV-LEB
737-287C	AR	PY007	20407	263	LV-JND		LV-JND

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LIFTING AND SHORING	7
LEVELING AND WEIGHING	8
TOWING AND TAXIING.	9
PARKING AND MOORING	10
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LIST OF SERVICE BULLETINS

This list tells you which service bulletins (SB) were evaluated for applicability to this manual. The list has this data:

- The SB number
- The chapter affected
- The configuration of the change in the manual
 - = S tells you that two configurations, pre- and post-SB, are in the manual.
 - = C tells you that the complete configuration, post-SB, is the only configuration that is shown in the manual .
- The revision date that the SB was, or will be, incorporated
(NO EFFECT tells you that no change was necessary for that SB.
INCORP tells you that the change for the SB was previously incorporated,
and no more changes are necessary.)
- The the airline-specific change order when it is applicable
(Airline Engineering Order Number)

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11-1002	11		NO EFFECT	
11-1010R1	11	S	INCORP	
11-1097	11	S	05/01/03	
11-1136	11		NO EFFECT	
11-1148	11		NO EFFECT	
20-1003R2	20		NO EFFECT	
21-1030	21		NO EFFECT	
21-1031	21	C	01/20/83	
21-1034	21	C	01/20/83	
21-1035	21	C	01/20/83	
21-1036	21	C	01/20/83	
21-1037	21	C	09/20/82	
21-1039R1	21	C	01/20/83	
21-1041	21		NO EFFECT	
21-1043	21		NO EFFECT	
21-1046	21		NO EFFECT	
21-1047	21		NO EFFECT	
21-1048R1	21	C	01/20/83	
21-1050R2	21		NO EFFECT	
21-1053R1	21		NO EFFECT	
21-1054	21		NO EFFECT	
21-1056	21		NO EFFECT	
21-1058	21	C	01/20/83	
21-1059R1	21		NO EFFECT	
21-1064	21		NO EFFECT	
21-1078R1	21	S	02/20/86	
21A1132	21		NO EFFECT	
21A1132R1	21		NO EFFECT	
21A1132R2	21		NO EFFECT	
22-1016	22		NO EFFECT	
22-1018R1	22	S	INCORP	
22-1020	22	S	11/15/80	
22-1067	22	S	10/20/85	
22-1074R1	22	S	02/20/90	
22-1078	22		NO EFFECT	
22-1127	22	S	05/01/99	
22-1127R1	22	S	05/01/01	
22-1127R2	22	S	05/01/01	
23-1009	23	C	01/20/83	
23-1015R1	23	S	05/01/75	
23-1036	23		NO EFFECT	
23-1037R4	23		NO EFFECT	
23-1060R1	23	S	06/20/92	
24-1019R3	24		NO EFFECT	
24-1021	24		NO EFFECT	
24-1023	24		NO EFFECT	
24-1025R1	24	C	01/20/83	
24-1026R1	24		NO EFFECT	

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24-1027R1	24	S	08/15/78	
24-1034R2	24	S	02/20/90	
24-1036R3	24	S	10/20/91	
24-1038R1	24	S	06/20/84	
24-1041R2	24		NO EFFECT	
24-1044R1	24		NO EFFECT	
24-1045	24		NO EFFECT	
24-1046R1	24		NO EFFECT	
24-1048R1	24		NO EFFECT	
24-1051R4	24	S	08/01/96	
24-1051R5	24	S	08/01/96	
24-1051R5	34	S	08/01/96	
24-1053R1	24		NO EFFECT	
24-1056	24		NO EFFECT	
24-1076	24	S	02/20/90	
24A1113	24	S	04/01/97	
24A1113	54	S	04/01/97	
24-1116	24		NO EFFECT	
24A1118	24		NO EFFECT	
24-1119	24		NO EFFECT	
24A1136	24		NO EFFECT	
24A1136R1	24		NO EFFECT	
24A1136R2	24		NO EFFECT	
24-1144	24		NO EFFECT	
24-1144R1	24		NO EFFECT	
24-1163	24		NO EFFECT	
24-1163R1	24		NO EFFECT	
25-1071R3	25		NO EFFECT	
25-1080	25		NO EFFECT	
25-1083R1	25		NO EFFECT	
25-1085	25		NO EFFECT	
25-1090	25	S	11/01/73	
25-1094	25		NO EFFECT	
25-1096R3	25		NO EFFECT	
25-1101R1	25		NO EFFECT	
25-1102R1	25		NO EFFECT	
25-1104	25	S	11/01/74	
25-1108R3	25	C	01/20/83	
25-1109	25	S	05/01/75	
25-1110R1	25		NO EFFECT	
25-1123R2	25		NO EFFECT	
25-1125	25	C	01/20/83	
25-1126	25	S	02/15/79	
25-1130R4	25	S	10/20/85	
25-1141	25		NO EFFECT	
25-1146	25	S	09/20/81	
25-1148	25		NO EFFECT	
25-1161R1	25		NO EFFECT	

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25-1164	25		NO EFFECT	
25-1165	25		NO EFFECT	
25-1168R1	25	S	06/20/89	
25-1169R2	25	S	10/20/86	
25-1173R1	25		NO EFFECT	
25-1180	25		NO EFFECT	
25-1182R4	25	S	INCORP	
25-1186	25		NO EFFECT	
25-1194	25	S	08/01/94	
25-1199	25	S	02/20/89	
25-1199R1	25	S	INCORP	
25-1219R2	25		NO EFFECT	
25-1220	25		NO EFFECT	
25-1227R1	25		NO EFFECT	
25-1229	25		NO EFFECT	
25-1235	25	S	10/20/88	
25-1248R1	25		NO EFFECT	
25-1254R3	25		NO EFFECT	
25A1333	25		NO EFFECT	
25-1364	25	S	05/01/03	
25-1365	25		NO EFFECT	
25-1405	25	S	05/01/01	
25-1405R1	25	S	05/01/01	
25-1434	25	S	05/01/02	
26-1011	26	C	01/20/83	
26-1014R1	26	S	02/01/75	
26-1015R1	26		NO EFFECT	
26-1016	26		NO EFFECT	
26-1017R1	26	C	01/20/83	
26-1018R3	26		NO EFFECT	
26-1019	26		NO EFFECT	
26-1023R3	26		NO EFFECT	
26-1024R2	26		NO EFFECT	
26-1028	26		NO EFFECT	
26-1060	26	S	02/20/90	
26A1081	26	S	05/01/99	
26A1081R1	26	S	08/01/05	
26A1081R2	26	S	08/08/05	
26-1114	26		NO EFFECT	
26-1114R1	26		NO EFFECT	
27-1036	27		NO EFFECT	
27-1038	27	C	INCORP	
27-1041	27		NO EFFECT	
27-1048R3	27		NO EFFECT	
27-1062R2	27	C	01/20/83	
27-1063	27	S	INCORP	
27-1064	27		NO EFFECT	
27-1066	27	S	11/01/74	

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27-1067	27		NO EFFECT	
27-1068R1	27	S	02/10/75	
27-1069R1	27		NO EFFECT	
27-1070R1	27	S	02/01/76	
27-1072R1	27	S	11/01/75	
27-1073R1	27		NO EFFECT	
27-1074R1	27	S	05/01/76	
27-1075R2	27	S	11/01/75	
27-1076R1	27	S	02/01/76	
27-1077	27		NO EFFECT	
27-1078	27		NO EFFECT	
27-1079R4	27	C	01/20/83	
27-1080	27		NO EFFECT	
27-1081	27	C	01/20/83	
27-1082	27		NO EFFECT	
27-1084R1	27		NO EFFECT	
27-1085R1	27		NO EFFECT	
27-1087	27	S	05/15/77	
27-1088	27		NO EFFECT	
27-1090R2	27		NO EFFECT	
27-1091R1	27	S	08/15/79	
27-1092R1	27	S	08/15/80	
27-1093	27		NO EFFECT	
27-1094	27		NO EFFECT	
27-1098R1	27	S	11/15/80	
27-1099R1	27	S	05/15/80	
27-1101R1	27		NO EFFECT	
27-1102	27	S	09/20/81	
27-1104	27		NO EFFECT	
27-1105R1	27		NO EFFECT	
27-1107	27	S	09/20/81	
27-1110	27		NO EFFECT	
27-1112R1	27		NO EFFECT	
27-1115	27		NO EFFECT	
27-1116R1	27		NO EFFECT	
27-1120R1	27	S	02/20/85	
27-1123	27	S	10/20/84	
27-1125R1	27		NO EFFECT	
27-1127R1	27		NO EFFECT	
27-1139	27		NO EFFECT	
27-1143	27		NO EFFECT	
27-1145R1	27		NO EFFECT	
27-1152R3	27		NO EFFECT	
27-1155	27		NO EFFECT	
27-1164R2	27	S	10/20/91	
27-1176	27	S	02/20/93	
27-1181	27	S	02/01/95	
27-1185R1	27		NO EFFECT	

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27-1187	27		NO EFFECT	
27-1200	27		NO EFFECT	
27A1202	27	S	INCORP	
27A1202	32	S	INCORP	
27A1202R1	27	S	INCORP	
27A1202R1	32	S	INCORP	
27A1202R2	27		NO EFFECT	
27A1202R3	27	S	INCORP	
27A1202R3	32	S	INCORP	
27-1204	27		NO EFFECT	
27-1204R1	76	S	08/01/05	
27-1204R2	76	S	08/01/05	
27A1205	27	S	INCORP	
27A1206	22	S	05/01/99	
27A1206	27	S	05/01/99	
27A1206R1	22	S	05/01/00	
27A1206R1	27	S	05/01/00	
27A1206R2	22	S	05/01/01	
27A1206R3	22	S	08/01/05	
27A1206R3	27	S	08/01/05	
27-1207	27	S	05/01/99	
27-1207R1	27	S	INCORP	
27A1207R2	27	S	05/01/03	
27A1207R3	27	S	05/01/03	
27A1212	27		NO EFFECT	
27A1212R1	27		NO EFFECT	
27A1213	27		NO EFFECT	
27A1213R1	27		NO EFFECT	
27A1214	27	S	05/01/00	
27A1214R1	27	S	05/01/00	
27A1221	27		NO EFFECT	
27A1221R1	27		NO EFFECT	
27-1223	27		NO EFFECT	
27A1238	27	S	05/01/01	
27-1246	27		NO EFFECT	
27-1246R1	27		NO EFFECT	
27-1252R2	22	S	08/01/05	
27-1252R2	27	S	08/01/05	
27-1252R2	29	S	08/01/05	
27-1252R3	22	S	08/01/06	
27-1252R3	27	S	08/01/06	
27-1252R3	29	S	08/01/06	
27-1261	27		NO EFFECT	
27-1263	27	S	08/01/05	
27-1263R1	27	S	08/01/05	
27-1265	27	S	08/01/05	
27A1266	27		NO EFFECT	
27A1266R1	27		NO EFFECT	

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27-1267	27		NO EFFECT	
27-1267R1	27		NO EFFECT	
27-1272	27		NO EFFECT	
27A1274	27		NO EFFECT	
27A1278	12	S	08/01/07	
27A1278	27	S	08/01/07	
27A1281	27		NO EFFECT	
28-1021	28	S	05/01/75	
28-1022	28		NO EFFECT	
28-1029	28		NO EFFECT	
28-1030	28		NO EFFECT	
28-1033	28		NO EFFECT	
28-1035R1	28	S	01/20/82	
28-1044R2	28		NO EFFECT	
28-1047R4	28	S	INCorp	
28-1047R5	28	S	INCorp	
28-1048R1	28		NO EFFECT	
28-1064	28	C	02/20/92	
28-1067R1	28		NO EFFECT	
28-1067R2	28	S	04/01/97	
28-1071	28		NO EFFECT	
28-1078R2	28	S	06/20/90	
28A1114R1	28	S	05/01/99	
28A1114R2	28	S	05/01/99	
28-1114R3	28	S	05/31/01	
28A1114R3	28	S	05/01/03	
28-1115	28		NO EFFECT	
28-1115R1	28		NO EFFECT	
28A1120	28		NO EFFECT	
28A1120R1	28		NO EFFECT	
28A1120R2	28		NO EFFECT	
28A1120R3	28		NO EFFECT	
28A1120R4	28		NO EFFECT	
28-1123	28		NO EFFECT	
28-1131	28	S	05/01/00	
28-1131R1	28	S	INCorp	
28-1131R2	28	S	05/01/02	
28-1131R3	28	S	05/01/04	
28A1132	28	S	05/01/99	
28A1132R1	28	S	05/01/99	
28A1132R2	28	S	INCorp	
28A1134	28		NO EFFECT	
28A1134R1	28		NO EFFECT	
28A1141	28	S	08/01/05	
28A1141R1	28	S	05/01/04	
28A1141R2	28	S	08/01/05	
28A1141R3	28	S	08/01/05	
28-1156	28		NO EFFECT	

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28-1156R1	28		NO EFFECT	
28A1174	28	S	08/01/05	
28A1174R1	28	S	05/01/04	
28A1174R2	28	S	08/01/06	
28-1178	28	S	05/01/03	
28-1193	28		NO EFFECT	
28-1193R1	28		NO EFFECT	
28-1208	28		NO EFFECT	
28-1208R1	28		NO EFFECT	
28-1241	28		NO EFFECT	
28A1263	28		NO EFFECT	
28A1263R1	28		NO EFFECT	
29-1014	29		NO EFFECT	
29-1015	29		NO EFFECT	
29-1018	29		NO EFFECT	
29-1020R2	29	S	INCORP	
29-1023R1	29	C	01/20/83	
29-1024R2	29	S	08/01/75	
29-1025R1	29	C	01/20/83	
29-1027	29	C	INCORP	
29-1028	29		NO EFFECT	
29-1029R3	29	C	01/20/83	
29-1030	29	S	05/01/76	
29-1031	29		NO EFFECT	
29-1033	29		NO EFFECT	
29-1034R2	29	S	08/15/79	
29-1035R1	29		NO EFFECT	
29-1036R1	29		NO EFFECT	
29-1037R1	29	S	05/15/81	
29-1038R1	29	S	10/20/90	
29-1039R1	29		NO EFFECT	
29-1040	29		NO EFFECT	
29-1048	29	S	10/20/87	
29-1051R2	29	S	06/20/90	
29-1055	29	S	02/20/89	
29-1062R1	29		NO EFFECT	
29A1073	29	S	04/01/98	
29A1073R1	29	S	05/01/99	
29A1073R2	29	S	05/01/00	
29A1073R3	29	S	05/01/00	
29A1073R4	29	S	08/01/05	
29-1074	29		NO EFFECT	
29A1078	29		NO EFFECT	
29A1078R1	29		NO EFFECT	
29A1078R2	29		NO EFFECT	
29-1080	29		NO EFFECT	
29A1096	29	S	08/01/05	
29A1096R1	29	S	05/01/04	

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29A1096R2	29	S	05/01/04	
30-1010R2	30		NO EFFECT	
30-1014R1	30		NO EFFECT	
30-1015R1	30	S	09/20/81	
30-1016R4	30	S	INCorp	
30-1016R6	30	S	INCorp	
30-1016R7	30	S	INCorp	
30-1018R1	30		NO EFFECT	
30-1029	30		NO EFFECT	
30-1029R1	30		NO EFFECT	
30-1043	12	S	04/01/98	
30-1043	30	S	04/01/98	
30-1043	31	S	04/01/97	
30-1043R1	12	S	04/01/98	
30-1043R1	30	S	04/01/98	
30-1043R1	31	S	04/01/97	
30-1043R2	30	S	08/01/05	
30-1043R2	31	S	08/01/05	
31-1024R2	31	S	05/15/81	
31-1026R3	31	S	INCorp	
31-1027R1	31		NO EFFECT	
31-1033R2	31	S	01/20/82	
31-1038R4	31	S	10/20/84	
31-1073	31	C	02/01/96	
31-1081	31		NO EFFECT	
31-1081R1	31		NO EFFECT	
31-1097	31	S	02/01/96	
31-1100	31	S	04/01/98	
31-1100R1	31	S	08/01/05	
32-1039	32	C	01/20/83	
32-1044	32	C	INCorp	
32-1046	32	C	01/20/83	
32-1052	32		NO EFFECT	
32-1054	32	C	INCorp	
32-1055	32		NO EFFECT	
32-1056	32	C	01/20/83	
32-1059	32	C	01/20/83	
32-1061	32		NO EFFECT	
32-1072R1	32		NO EFFECT	
32-1074R1	32		NO EFFECT	
32-1075	32		NO EFFECT	
32-1077R1	32	S	11/01/75	
32-1080R2	32		NO EFFECT	
32-1081	32		NO EFFECT	
32-1082	32	S	05/01/04	
32-1082R1	32	S	01/05/04	
32-1082R2	32	S	05/15/77	
32-1083R1	32	S	11/15/76	

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32-1084R1	32	S	11/15/76	
32-1085R2	32	S	05/15/77	
32-1092	32		NO EFFECT	
32-1093R2	32	S	INCORP	
32-1094R1	32		NO EFFECT	
32-1095	32	S	05/15/79	
32-1096	32		NO EFFECT	
32-1098R1	32		NO EFFECT	
32-1099	32		NO EFFECT	
32-1100R6	32	S	06/20/86	
32-1101	32		NO EFFECT	
32-1104R2	32		NO EFFECT	
32-1108R1	32	S	05/15/81	
32-1109R1	32		NO EFFECT	
32-1110R1	32		NO EFFECT	
32-1113	32	C	06/20/91	
32-1117	32	S	INCORP	
32-1123	32	C	10/20/92	
32-1128	32		NO EFFECT	
32-1129R3	32	S	08/01/95	
32-1132R2	32		NO EFFECT	
32-1135R1	32		NO EFFECT	
32-1139R2	32	S	INCORP	
32-1142	32		NO EFFECT	
32-1145	32		NO EFFECT	
32-1147R1	32	S	10/20/84	
32-1159R1	32	S	INCORP	
32-1163R4	32	S	INCORP	
32-1163R5	32	S	INCORP	
32-1167	32		NO EFFECT	
32-1171	32		NO EFFECT	
32-1174R1	32		NO EFFECT	
32-1175R1	32	S	INCORP	
32-1191R3	32	C	02/20/90	
32-1193R1	32		NO EFFECT	
32-1194R1	32		NO EFFECT	
32-1198R2	32	S	06/20/93	
32-1209R1	32		NO EFFECT	
32-1211R1	32	S	10/20/90	
32-1217R4	32	S	04/01/97	
32-1224R3	32		NO EFFECT	
32-1227R3	32	S	09/20/02	
32-1227R4	32	S	09/20/02	
32-1234R2	32		NO EFFECT	
32-1234R3	32		NO EFFECT	
32-1235	32	S	10/20/90	
32-1242	32		NO EFFECT	
32-1245R1	32		NO EFFECT	

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32-1253	32	S	06/20/92	
32-1257R1	32		NO EFFECT	
32-1270	32		NO EFFECT	
32-1289	32	S	05/01/99	
32-1289R1	32	S	05/01/02	
32A1301	32		NO EFFECT	
32-1303	32		NO EFFECT	
32A1314	32	S	08/01/05	
32-1322	32		NO EFFECT	
32-1322R1	32		NO EFFECT	
32-1334	32		NO EFFECT	
32-1334R1	32		NO EFFECT	
32A1355	32		NO EFFECT	
32A1355R1	32		NO EFFECT	
32A1367	32		NO EFFECT	
32A1367R1	32		NO EFFECT	
33-1023	33	C	01/20/83	
33-1028	33	C	INCORP	
33-1029	33	S	08/15/76	
33-1032R2	33	S	05/15/78	
33-1033	33		NO EFFECT	
33-1037	33		NO EFFECT	
33-1040	33	S	08/15/79	
33-1041R3	33		NO EFFECT	
33-1043R1	33		NO EFFECT	
33-1044	33		NO EFFECT	
33-1080R1	33		NO EFFECT	
33-1087R1	33	S	08/01/96	
33-1099R1	33		NO EFFECT	
33-1129	33		NO EFFECT	
34-1028	34	C	01/20/83	
34-1031R2	34		NO EFFECT	
34-1038	34		NO EFFECT	
34-1040R1	34		NO EFFECT	
34-1044	34		NO EFFECT	
34-1048R3	34		NO EFFECT	
34-1065R1	34	S	06/20/86	
34-1068	34		NO EFFECT	
34-1107R1	34	S	06/20/83	
34-1151	34		NO EFFECT	
34-1171	34	S	10/20/85	
34-1173R1	34		NO EFFECT	
34-1192	34	S	02/20/88	
34-1710	34	S	05/01/04	
34-1710R1	27	S	05/01/04	
34-1710R1	34	S	05/01/04	
34-1710R2	27	S	05/01/04	
34-1710R2	34	S	05/01/04	

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35-1009	35		INCORP	
35-1013	35	S	INCORP	
35-1015	35		NO EFFECT	
35-1017	35	C	01/20/83	
35-1021	35	S	01/20/83	
36-1003R2	36		NO EFFECT	
36-1005	36		NO EFFECT	
36-1006R1	36		NO EFFECT	
36-1007R3	36		NO EFFECT	
36-1008R1	36		NO EFFECT	
36-1013	36		NO EFFECT	
38-1010	38		NO EFFECT	
38-1011	38	S	08/15/79	
38-1013	38	S	02/15/81	
38-1014R1	38		NO EFFECT	
38-1043	11	S	05/01/99	
38-1043	38		NO EFFECT	
38-1043	38	S	05/01/99	
38-1043R1	11	S	05/01/00	
38-1043R2	11	S	08/01/05	
38-1043R2	38	S	08/01/05	
38-1045	38	S	05/01/04	
38-1045R1	05	S	08/01/05	
38-1045R1	12	S	08/01/05	
38-1045R1	25	S	08/01/05	
38-1045R1	38	S	05/01/04	
38A1047	38	S	05/01/01	
38A1047R1	38	S	08/01/05	
38A1047R2	38	S	08/01/05	
49-1008	49		NO EFFECT	
49-1017	49	C	01/20/83	
49-1022	49	C	01/20/83	
49-1022R2	49	C	08/15/77	
49-1024R1	49		NO EFFECT	
49-1025R1	49		NO EFFECT	
49-1026R1	49	C	01/20/83	
49-1027R1	49	C	01/20/83	
49-1028R1	49		NO EFFECT	
49-1029	49		NO EFFECT	
49-1031R1	49	S	08/01/05	
49-1033R1	49		NO EFFECT	
49-1035	49	C	06/20/91	
49-1036R1	49		NO EFFECT	
49-1037R1	49	S	02/15/79	
49-1039	49	S	02/15/79	
49-1040R1	49		NO EFFECT	
49-1041	49		NO EFFECT	
49-1042	49	C	01/20/83	

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49-1044	49	S	08/15/79	
49-1045	49	C	01/20/83	
49-1046	49	S	11/15/79	
49-1047	49		NO EFFECT	
49-1052	49		NO EFFECT	
49-1053	49	S	06/20/83	
49-1056	49	S	02/01/95	
49-1059R2	49		NO EFFECT	
49-1066R1	49		NO EFFECT	
49-1068R1	49		NO EFFECT	
49-1072	49	S	10/20/92	
49-1073	49	C	08/01/05	
49-1081	49		NO EFFECT	
49-1081R1	49		NO EFFECT	
49-1110R1	49	S	04/01/98	
49-1110R2	49	S	04/01/98	
49-1112	49	S	05/01/98	
49-1112R1	49	S	05/01/98	
49-1115	49	S	05/01/98	
49-1129	49		NO EFFECT	
49-1129R1	49		NO EFFECT	
49-1129R2	49		NO EFFECT	
49-1129R3	49		NO EFFECT	
51-1006R3	51		NO EFFECT	
51-1007	51		NO EFFECT	
51-1013	51		NO EFFECT	
52-1034	52	C	01/20/83	
52-1035	52		NO EFFECT	
52-1038R4	52		NO EFFECT	
52-1042	52		NO EFFECT	
52-1045	52		NO EFFECT	
52-1047	52	S	02/01/74	
52-1048R1	52		NO EFFECT	
52-1049	52		NO EFFECT	
52-1050	52	C	INCorp	
52-1051R3	52		NO EFFECT	
52-1053R4	52	C	INCorp	
52-1054R1	52	C	01/20/83	
52-1055	52	S	11/01/75	
52-1056R1	52	S	02/01/76	
52-1058R2	52	C	INCorp	
52-1059R2	52		NO EFFECT	
52-1060	52	S	02/15/77	
52-1061R1	52		NO EFFECT	
52-1063	52	S	02/15/77	
52-1064R2	52		NO EFFECT	
52-1065R5	52		NO EFFECT	
52-1065R6	52		NO EFFECT	

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52-1066R1	52		NO EFFECT	
52-1067	52		NO EFFECT	
52-1068R2	52		NO EFFECT	
52-1070R5	52		NO EFFECT	
52-1071	52		NO EFFECT	
52-1072	52		NO EFFECT	
52-1073	52	S	08/15/78	
52-1074R1	52		NO EFFECT	
52-1075	52		NO EFFECT	
52-1076R1	52		NO EFFECT	
52-1077	52		NO EFFECT	
52-1078R1	52	S	05/20/82	
52-1079R4	52		NO EFFECT	
52-1079R5	52		NO EFFECT	
52-1079R6	52		NO EFFECT	
52-1080	52		NO EFFECT	
52-1081R1	52		NO EFFECT	
52-1082	52		NO EFFECT	
52-1083R2	52	S	10/20/88	
52-1084	52		NO EFFECT	
52-1085	52		NO EFFECT	
52-1087	52		NO EFFECT	
52-1089R2	52		NO EFFECT	
52-1090R1	52		NO EFFECT	
52-1090R2	52		NO EFFECT	
52-1091R2	52	S	06/20/88	
52-1092R2	52	S	06/09/89	
52-1093R1	52		NO EFFECT	
52-1094R3	52		NO EFFECT	
52-1096R1	52		NO EFFECT	
52-1097R2	52		NO EFFECT	
52-1099	52		NO EFFECT	
52-1100R2	52		NO EFFECT	
52A1100R3	52		NO EFFECT	
52A1100R4	11		NO EFFECT	
52-1105R2	52		NO EFFECT	
52-1118R2	52		NO EFFECT	
52-1122	52	S	04/01/98	
52A1124	52	S	04/01/98	
52-1125	52	S	04/01/98	
52-1149	52		NO EFFECT	
53-1015	53		NO EFFECT	
53-1019	53	C	01/20/83	
53-1023R11	53		NO EFFECT	
53-1027R7	53		NO EFFECT	
53-1028R1	53		NO EFFECT	
53-1029	53	C	01/20/83	
53-1031R4	53		NO EFFECT	

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53-1035	53		NO EFFECT	
53-1036	53		NO EFFECT	
53-1037	53		NO EFFECT	
53-1038R5	53		NO EFFECT	
53-1039R7	53		NO EFFECT	
53-1040R3	53		NO EFFECT	
53-1041	53		NO EFFECT	
53-1042R9	53		NO EFFECT	
53-1044	53		NO EFFECT	
53-1046R1	53		NO EFFECT	
53-1048	53		NO EFFECT	
53-1050R1	53		NO EFFECT	
53-1051R5	53		NO EFFECT	
53-1052	53		NO EFFECT	
53-1053R5	53		NO EFFECT	
53-1054R1	53		NO EFFECT	
53-1054R2	53		NO EFFECT	
53-1056	53		NO EFFECT	
53-1057R1	53		NO EFFECT	
53-1058R3	53		NO EFFECT	
53-1059R1	53		NO EFFECT	
53-1060R2	53		NO EFFECT	
53-1061R4	53		NO EFFECT	
53-1062R2	53		NO EFFECT	
53-1063	53	S	05/20/82	
53-1064R6	53		NO EFFECT	
53-1065R1	53		NO EFFECT	
53-1065R2	53		NO EFFECT	
53-1066R3	53		NO EFFECT	
53-1067	53		NO EFFECT	
53-1069R1	53		NO EFFECT	
53-1070R1	53		NO EFFECT	
53-1071R1	53		NO EFFECT	
53-1074R3	53		NO EFFECT	
53-1075R2	53		NO EFFECT	
53A1075R3	53		NO EFFECT	
53-1076R4	53		NO EFFECT	
53-1078R4	53		NO EFFECT	
53-1079R3	53		NO EFFECT	
53-1080R2	53		NO EFFECT	
53-1081	53		NO EFFECT	
53-1082R3	53		NO EFFECT	
53-1083R3	53		NO EFFECT	
53-1085R1	53		NO EFFECT	
53-1086R3	53		NO EFFECT	
53-1087R2	53		NO EFFECT	
53-1088	53		NO EFFECT	
53-1088R1	53		NO EFFECT	

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53-1089R4	53		NO EFFECT	
53-1090R2	53		NO EFFECT	
53-1093R4	53		NO EFFECT	
53-1094	53		NO EFFECT	
53-1095R1	53		NO EFFECT	
53-1096R5	53		NO EFFECT	
53-1098R3	53		NO EFFECT	
53-1101R2	53		NO EFFECT	
53-1104R2	53		NO EFFECT	
53-1104R3	53		NO EFFECT	
53-1104R4	53		NO EFFECT	
53-1107R3	53		NO EFFECT	
53-1107R4	53		NO EFFECT	
53-1108R5	53		NO EFFECT	
53-1109	53	S	06/20/89	
53-1110R1	53		NO EFFECT	
53-1111R1	53		NO EFFECT	
53-1112	53	S	02/20/89	
53-1114R1	53		NO EFFECT	
53-1115	53		NO EFFECT	
53-1116R3	53		NO EFFECT	
53-1117R1	53		NO EFFECT	
53-1119R3	53		NO EFFECT	
53-1120R1	53		NO EFFECT	
53-1122R1	53		NO EFFECT	
53-1123	53		NO EFFECT	
53-1125R2	53		NO EFFECT	
53-1131R1	53		NO EFFECT	
53-1132R2	53		NO EFFECT	
53-1134	53		NO EFFECT	
53-1135R2	53		NO EFFECT	
53-1138	53		NO EFFECT	
53-1142R1	53		NO EFFECT	
53-1145	53		NO EFFECT	
53-1146	53		NO EFFECT	
53-1149	53		NO EFFECT	
53-1154	53		NO EFFECT	
53-1154R1	53		NO EFFECT	
53-1154R2	53		NO EFFECT	
53-1159	53		NO EFFECT	
53-1160R1	53		NO EFFECT	
53-1162	53		NO EFFECT	
53-1163	53		NO EFFECT	
53-1166R1	53		NO EFFECT	
53-1166R2	53		NO EFFECT	
53-1171	53		NO EFFECT	
53-1173	53		NO EFFECT	
53-1173R1	53		NO EFFECT	

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53A1173R2	53		NO EFFECT	
53A1173R3	53		NO EFFECT	
53A1173R4	53		NO EFFECT	
53-1174	53		NO EFFECT	
53-1177	53		NO EFFECT	
53-1177R1	53		NO EFFECT	
53A1177R2	53		NO EFFECT	
53A1177R3	53		NO EFFECT	
53A1177R4	53		NO EFFECT	
53-1178	53		NO EFFECT	
53-1179R2	53		NO EFFECT	
53-1181	53		NO EFFECT	
53-1184	53		NO EFFECT	
53-1191	51	S	04/01/97	
53A1197	53		NO EFFECT	
53A1200	53		NO EFFECT	
53-1204	53		NO EFFECT	
53A1204R1	53		NO EFFECT	
53A1210	52		NO EFFECT	
53A1210R1	53		NO EFFECT	
53A1214	53		NO EFFECT	
53A1214R2	53		NO EFFECT	
53A1224	53		NO EFFECT	
53A1224R1	53		NO EFFECT	
53A1225	53		NO EFFECT	
53A1225R1	53		NO EFFECT	
53A1228	53		NO EFFECT	
53-1229	53		NO EFFECT	
53-1230	53		NO EFFECT	
53A1240	53		NO EFFECT	
53A1241	53		NO EFFECT	
53-1246	32	S	08/01/07	
53A1255	53		NO EFFECT	
53-1260	53		NO EFFECT	
53A1261	53		NO EFFECT	
53A1262	53		NO EFFECT	
53A1262R1	53		NO EFFECT	
53-1267	53		NO EFFECT	
53-1268	53		NO EFFECT	
53A1269	53		NO EFFECT	
54-1007	54	C	01/20/83	
54-1007R1	54	S	05/01/99	
54-1007R2	71	S	05/01/01	
54-1008R1	54		NO EFFECT	
54-1009	54	S	11/15/79	
54-1009R1	54	S	INCRP	
54-1009R2	54	S	INCRP	
54-1011R1	54	S	08/15/79	

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54-1012R3	54		NO EFFECT	
54A1012R4	54		NO EFFECT	
54-1013	54		NO EFFECT	
55-1014	55		NO EFFECT	
55-1018	55	C	INCORP	
55-1019R2	55		NO EFFECT	
55-1020R3	55	C	02/20/90	
55-1022R1	55		NO EFFECT	
55-1023	55		NO EFFECT	
55-1024	55		NO EFFECT	
55-1025R1	55		NO EFFECT	
55-1026R4	55		NO EFFECT	
55-1028R6	55	C	06/20/91	
55-1028R7	55	S	INCORP	
55-1028R8	55	S	INCORP	
55-1029R4	55		NO EFFECT	
55-1030	55		NO EFFECT	
55-1032	55		NO EFFECT	
55-1033R1	55		NO EFFECT	
55-1034R2	55		NO EFFECT	
55-1040R1	55	S	02/20/87	
55-1044R1	55		NO EFFECT	
55-1044R2	55		NO EFFECT	
55-1044R3	55		NO EFFECT	
55-1045R1	55		NO EFFECT	
55-1056	55		NO EFFECT	
55-1058	55		NO EFFECT	
55A1070	27	S	12/01/05	
55A1070R1	27	S	05/01/02	
55A1070R2	27	S	08/01/06	
55A1070R3	27	S	08/01/06	
55A1071	55		NO EFFECT	
55A1077	55		NO EFFECT	
55A1078	55		NO EFFECT	
55A1087	55		NO EFFECT	
56-1004	56	C	INCORP	
56-1005R1	56	S	05/15/77	
56-1006	56	S	11/15/79	
56-1007R1	56	S	01/20/82	
56-1008	56		NO EFFECT	
56-1009	56		NO EFFECT	
56-1009R1	56		NO EFFECT	
56-1010	56	S	05/01/00	
56A1023	56		NO EFFECT	
57-1020R3	57		NO EFFECT	
57-1045R5	57		NO EFFECT	
57-1046R1	57		NO EFFECT	
57-1052R3	57		NO EFFECT	

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57-1053R2	57		NO EFFECT	
57-1056	57		NO EFFECT	
57-1057	57		NO EFFECT	
57-1059	57		NO EFFECT	
57-1064R1	57		NO EFFECT	
57-1065	57	C	01/20/83	
57-1067R4	57		NO EFFECT	
57-1070	57		NO EFFECT	
57-1071R8	57		NO EFFECT	
57-1073R4	57		NO EFFECT	
57-1075R1	57		NO EFFECT	
57-1076R1	57		NO EFFECT	
57-1077R1	57		NO EFFECT	
57-1078	57		NO EFFECT	
57-1079R4	57		NO EFFECT	
57-1080R3	57	S	10/20/83	
57-1081R11	57		NO EFFECT	
57-1082R8	57		NO EFFECT	
57-1083R2	57		NO EFFECT	
57-1084R6	57		NO EFFECT	
57-1085R2	57	C	01/20/83	
57-1086R1	57		NO EFFECT	
57-1087R9	57		NO EFFECT	
57-1089	57		NO EFFECT	
57-1090	57		NO EFFECT	
57-1092R3	57	C	01/20/83	
57-1093	57	S	02/01/76	
57-1094R1	57		NO EFFECT	
57-1095R5	57		NO EFFECT	
57-1096	57		NO EFFECT	
57-1097	57		NO EFFECT	
57-1098	57	S	02/01/76	
57-1099R1	57		NO EFFECT	
57-1100	57	S	02/15/77	
57-1102R1	57		NO EFFECT	
57-1104R1	57		NO EFFECT	
57-1106R1	57		NO EFFECT	
57-1107R4	57		NO EFFECT	
57-1111R1	57		NO EFFECT	
57-1112R6	57	S	06/20/88	
57-1115	57		NO EFFECT	
57-1117R3	57	S	10/20/83	
57-1120	57		NO EFFECT	
57-1123R2	57		NO EFFECT	
57-1124	57		NO EFFECT	
57-1125	57		NO EFFECT	
57-1129R1	57	S	05/20/82	
57-1129R2	28	S	05/01/99	

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57-1129R2	57		NO EFFECT	
57-1129R3	27	S	08/01/07	
57-1130	57	C	02/20/90	
57-1135R1	57	S	INCORP	
57-1136R1	57		NO EFFECT	
57-1139R4	57		NO EFFECT	
57-1140R1	57	S	02/20/84	
57-1141R1	57		NO EFFECT	
57-1143R1	57	S	INCORP	
57-1144R2	57		NO EFFECT	
57-1145R1	57		NO EFFECT	
57-1146	57		NO EFFECT	
57-1147	57		NO EFFECT	
57-1165	57		NO EFFECT	
57-1170R3	57		NO EFFECT	
57-1171R1	57		NO EFFECT	
57-1172	57	S	06/20/88	
57-1174	57	S	06/20/88	
57-1174R1	32	S	08/01/05	
57-1186	57		NO EFFECT	
57-1192	57		NO EFFECT	
57-1192R1	57		NO EFFECT	
57-1194	57		NO EFFECT	
57-1197	57		NO EFFECT	
57-1206R1	57		NO EFFECT	
57-1210	57		NO EFFECT	
57-1210R1	57		NO EFFECT	
57-1210R2	57		NO EFFECT	
57-1216R1	57		NO EFFECT	
57-1216R2	57		NO EFFECT	
57-1218	57		NO EFFECT	
57-1218R1	57		NO EFFECT	
57-1218R2	57		NO EFFECT	
57A1218R3	57		NO EFFECT	
57A1218R4	57	S	08/01/08	
57-1222	12	S	08/01/95	
57-1222	57		NO EFFECT	
57-1231	57		NO EFFECT	
57-1234	53		NO EFFECT	
57-1237	57		NO EFFECT	
57-1237R1	57		NO EFFECT	
57-1237R2	57		NO EFFECT	
57-1237R3	57		NO EFFECT	
57-1239	57		NO EFFECT	
57-1242	57	S	05/01/04	
57-1242R1	57	S	08/01/05	
57A1249	27	S	05/01/01	
57A1249R1	27	S	05/01/01	

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57A1256	27	S	05/01/00	
57A1256	57		NO EFFECT	
57-1258	57		NO EFFECT	
57A1260	57	S	05/01/02	
57A1260R1	57	S	05/01/01	
57A1260R2	57	S	08/01/05	
57-1261	28	S	08/01/05	
57-1261R1	28	S	08/01/05	
57A1265	57		NO EFFECT	
57A1266	32	S	12/01/04	
57A1266R1	32	S	08/01/07	
57-1267	57	S	08/01/05	
57A1269	57		NO EFFECT	
57A1269R1	57		NO EFFECT	
57A1271	57		NO EFFECT	
57-1273	57		NO EFFECT	
57-1273R1	57		NO EFFECT	
57-1273R2	57		NO EFFECT	
57A1277	57		NO EFFECT	
57A1277R1	57		NO EFFECT	
57-1296	57		NO EFFECT	
71-1019R1	71		NO EFFECT	
71-1023	71		NO EFFECT	
71-1029	71		NO EFFECT	
71-1033R4	71	S	INCRP	
71-1045R1	71		NO EFFECT	
71-1046R1	71		NO EFFECT	
71-1069R3	71	S	06/20/93	
71-1070	71	S	09/20/81	
71-1112R1	71	S	02/20/86	
71-1116R1	71	S	10/20/84	
71-1212R1	71		NO EFFECT	
71-1250	71	S	02/20/91	
71-1289	71	S	08/01/94	
71A1430	71		NO EFFECT	
71A1430R1	71		NO EFFECT	
73-1002	73	C	01/20/83	
76-1004	76	S	05/01/74	
76-1005	76	C	01/20/83	
76-1006R2	76		NO EFFECT	
76-1008R1	76		NO EFFECT	
76-1013	76		NO EFFECT	
76-1018R1	76		NO EFFECT	
76-1019	76		NO EFFECT	
77-1003R1	77	S	02/01/74	
77-1006R3	77	C	01/20/83	
78-1020R1	78		NO EFFECT	
78-1022R2	78	C	01/20/83	

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78-1023R4	78	C	01/20/83	
78-1030R1	78	S	02/20/84	
78-1041	78	S	02/20/87	
78-1050	78	S	10/20/93	
78-1054	78	S	10/20/92	
78-1068R1	78		NO EFFECT	
79-1002	79		NO EFFECT	
79-1003	79	S	11/01/75	
79-1004R2	79	S	02/20/84	
80-1002	80		NO EFFECT	
80-1003R1	80	C	01/20/83	
80-1045R1	80	S	10/20/86	

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