



767

## NONDESTRUCTIVE TEST MANUAL

### PART 6 - EDDY CURRENT

#### TABLE OF CONTENTS

<b>Subject</b>	<b>Chapter Section Subject</b>
<b><u>AUTO FLIGHT - AUTOPILOT</u></b>	
<b>AUTO FLIGHT - AUTOPILOT</b>	
DIRECTIONAL AUTOPILOT SERVO HOUSING	22-10-01
<b><u>LANDING GEAR - MAIN GEAR AND DOORS</u></b>	
<b>LANDING GEAR - MAIN GEAR AND DOORS</b>	
MAIN LANDING GEAR OUTER CYLINDER - MIDDLE OF THE CROSSBOLT HOLES	32-10-01
MAIN LANDING GEAR OUTER CYLINDER - AFT END FACE AND CROSSBOLT HOLE INSPECTION	32-10-02
<b><u>STRUCTURES</u></b>	
<b>STRUCTURES - GENERAL</b>	
ALUMINUM PART SURFACE INSPECTION (METER DISPLAY)	51-00-01
INSPECTION OF THE FAYING SURFACE OF THE OUTER ALUMINUM SKIN FOR CORROSION (METER DISPLAY)	51-00-02
FIRE DAMAGE ON AIRCRAFT STRUCTURE INVESTIGATION	51-00-03
ALUMINUM PART FASTENER HOLE INSPECTION (METER DISPLAY)	51-00-04
STEEL PART FASTENER HOLE INSPECTION (METER DISPLAY)	51-00-05
TAPERED PART FASTENER HOLE INSPECTION (METER DISPLAY)	51-00-06
LOW FREQUENCY INSPECTION FOR SUBSURFACE CRACKS IN ALUMINUM STRUCTURE (METER DISPLAY)	51-00-07
INSPECTION FOR SUBSURFACE CRACKS AT FASTENER HOLES IN ALUMINUM STRUCTURE	51-00-08
LOW FREQUENCY INSPECTION FOR SUBSURFACE CRACKS WHICH PROPAGATE TRANSVERSE TO A SPLICE GAP (METER DISPLAY)	51-00-09
ALUMINUM SKIN CORROSION LOSS INSPECTION (IMPEDANCE PLANE DISPLAY)	51-00-10
ALUMINUM PART FASTENER HOLE INSPECTION (IMPEDANCE PLANE DISPLAY)	51-00-11
STEEL PART SURFACE INSPECTION (METER DISPLAY)	51-00-12
SURFACE INSPECTION OF TITANIUM AND OTHER LOW CONDUCTIVITY MATERIALS	51-00-13
OPEN HOLE INSPECTION OF TITANIUM AND OTHER LOW CONDUCTIVITY MATERIALS	51-00-14

## PART 6 FRONTMATTER

Table of Contents

Page 1

May 15/2006

D634T301



767

## NONDESTRUCTIVE TEST MANUAL

<b>Subject</b>	<b>Chapter Section Subject</b>
GENERAL SURFACE INSPECTION OF ALUMINUM WITH THE MAGNETO OPTIC IMAGER (MOI)	51-00-15
ALUMINUM PART FASTENER HOLE INSPECTION (ROTARY SCANNER)	51-00-16
OPEN HOLE INSPECTION IN STEEL WITH A ROTARY SCANNER	51-00-17
ELECTRICAL CONDUCTIVITY MEASUREMENT FOR ALUMINUM	51-00-18
ALUMINUM PART SURFACE INSPECTION (IMPEDANCE PLANE DISPLAY)	51-00-19
DUAL FREQUENCY EDDY CURRENT FOR SECOND LAYER CORROSION (IMPEDANCE PLANE DISPLAY)	51-00-20
STEEL PART SURFACE INSPECTION (IMPEDANCE PLANE DISPLAY)	51-00-21
CRACKS IN SKINS BELOW FLUSH HEAD RIVETS	51-00-22
<b><u>FUSELAGE</u></b>	
<b>FUSELAGE - GENERAL</b>	
LONGITUDINAL LAP JOINT COUNTERSINK INSPECTION WITHOUT FASTENER REMOVAL	53-00-04
LONGITUDINAL LAP JOINT INSPECTION WITHOUT FASTENER REMOVAL	53-00-05
INSPECTION OF EXTERNAL FUSELAGE REPAIRS	53-00-06
SUBSURFACE CRACKS THAT START AT THE FAYING SURFACES OF THE AIRPLANE SKINS AND BULKHEAD WEBS	53-00-07
SLIDING PROBE INSPECTION PROCEDURE FOR FASTENER LOCATIONS WITH DECALS	53-00-08
FUSELAGE SKIN SCRIBE MARK CRACK INSPECTION - LOWER SKIN AT THE LAP JOINTS AND EXTERNAL DOUBLER EDGES	53-00-09
INSPECTION FOR CRACKS THAT ARE ON THE BACK SIDE AND NOT FULLY THROUGH THE THICKNESS OF AN ALUMINUM PART	53-00-10
SLIDING PROBE INSPECTION OF THE INBOARD SKIN OF THE LAP SPLICE	53-00-11
INSPECTION OF SPLICE STRAPS AT THE SKIN BUTT-SPLICES (HFEC)	53-00-12
INSPECTION OF SPLICE STRAPS AT THE SKIN BUTT-SPLICES (LFEC)	53-00-13
LAP SPLICE C-SCAN INSPECTION FOR SURFACE CRACKS IN THE LOWER SKIN	53-00-14
<b>FUSELAGE - SECTION 41</b>	
RADOME THICKNESS MEASUREMENT	53-10-01
HORIZONTAL BEAM AT BODY STATION 287	53-10-04
OUTER CHORD IN THE CANTED BULKHEAD OF THE NOSE LANDING GEAR WHEEL WELL (HFEC)	53-10-05

## PART 6 FRONTMATTER

Table of Contents

Page 2

Dec 15/2008

D634T301



767

## NONDESTRUCTIVE TEST MANUAL

<b>Subject</b>	<b>Chapter Section Subject</b>
MID-CHORD OF THE STA 246 FLOOR BEAM - BETWEEN LBL 9 AND LBL 15	53-10-06
FORWARD EDGE FRAME OF THE FORWARD PASSENGER/SERVICE DOORS	53-10-07
UPPER SILL OF THE FORWARD PASSENGER/SERVICE DOORS	53-10-08
OUTER CHORD IN THE CANTED BULKHEAD OF THE NOSE LANDING GEAR WHEEL WELL (LFEC)	53-10-09
OUTER CHORD OF THE NOSE LANDING GEAR WHEEL WELL AT BS 287 (HFEC)	53-10-10
FUSELAGE - CREW AB WINDOW POSTS	53-10-11
FUSELAGE - CREW EF WINDOW POSTS	53-10-12
OUTER CHORD OF THE NOSE LANDING GEAR WHEEL WELL AT BS 287 (LFEC)	53-10-13
TOP PANEL BEAM ATTACHMENT OF THE NOSE LANDING GEAR TRUNNION SUPPORT FITTING	53-10-14
NOSE LANDING GEAR TRUNNION SUPPORT FITTING AT THE ATTACH STRAP	53-10-15
ACCESS DOOR CUTOUT OF THE FORWARD EQUIPMENT BAY	53-10-16
ACCESS DOOR CUTOUT OF THE MAIN EQUIPMENT CENTER	53-10-17
UPPER ROW OF THE LAP SPLICES (HFEC)	53-10-18
LOWER ROW OF THE LAP SPLICES (INTERNAL)	53-10-19
LOWER ROW OF THE LAP SPLICES (EXTERNAL)	53-10-20
<b>FUSELAGE - PLATES/SKIN</b>	
COUNTERSINK INSPECTION OF ALUMINUM PARTS (METER DISPLAY)	53-30-01
COUNTERSINK INSPECTION OF ALUMINUM PARTS (IMPEDANCE PLANE)	53-30-02
COUNTERSINK INSPECTION OF ALUMINUM PARTS (IMPEDANCE PLANE/COUNTERSINK PROBE)	53-30-03
SUBSURFACE CRACK INSPECTION OF FAYING SURFACES	53-30-05
CIRCUMFERENTIAL SPLICES - SECTIONS 43, 45 AND 46	53-30-06
INNER CHORD OF THE EDGE FRAMES AT THE FORWARD MAIN CARGO DOOR CUTOUT	53-30-07
EDGE FRAMES OF THE CUTOUT FOR THE FORWARD LARGE CARGO DOOR (HFEC)	53-30-08
EDGE FRAMES OF THE CUTOUT FOR THE FORWARD LARGE CARGO DOOR (OPEN HOLE)	53-30-09
UPPER AND LOWER SILLS OF THE FORWARD LARGE CARGO DOOR CUTOUT (HFEC)	53-30-10

## PART 6 FRONTMATTER

Table of Contents  
Page 3  
Dec 15/2008

D634T301



767

## NONDESTRUCTIVE TEST MANUAL

<b>Subject</b>	<b>Chapter Section Subject</b>
UPPER SILL OF THE CUTOUT FOR THE FORWARD LARGE CARGO DOOR (OPEN HOLE)	53-30-11
UPPER SILL OF THE CUTOUT FOR THE FORWARD LARGE CARGO DOOR (LFEC)	53-30-12
LOWER LATCH BACKUP STRUCTURE OF THE CUTOUT FOR THE FORWARD LARGE CARGO DOOR	53-30-13
FORWARD AND AFT EDGE FRAMES OF THE MID ENTRY DOOR CUTOUT	53-30-15
UPPER SILL OF THE MID ENTRY DOOR CUTOUT	53-30-16
<b>FUSELAGE - SECTION 45</b>	
BS 955 BULKHEAD - INNER CHORD AT THE SEAT TRACK BRACKET	53-50-01
BULKHEAD CHORD AT BS 1065	53-50-02
DELETED	53-50-03
BS 955 BULKHEAD - INNER CHORD BETWEEN S-19 AND S-20	53-50-04
LOWER CHORDS OF THE TRANSVERSE FLOOR BEAM IN THE WHEEL WELL OF THE MAIN LANDING GEAR	53-50-05
INTERCOSTAL SPLICE OF THE AFT WHEEL WELL BULKHEAD	53-50-06
EMERGENCY EXIT DOOR CUTOUTS (HFEC)	53-50-07
EMERGENCY EXIT DOOR CUTOUTS (OPEN HOLE)	53-50-08
EMERGENCY EXIT DOOR CUTOUTS (LFEC)	53-50-09
BS 1043 FRAME SPLICE	53-50-10
SECTION 45 STUB FRAMES (HFEC)	53-50-11
Section 45 Stub Frames (Open Hole)	53-50-12
<b>FUSELAGE - SECTION 46</b>	
FUSELAGE SKIN POCKETS (CORROSION LOSS)	53-60-01
INNER CHORD AND STRAP AT THE EDGE FRAMES OF THE BULK CARGO DOOR	53-60-02
FUSELAGE - INNER AND FAILSAFE CHORDS IN THE UPPER MAIN SILL OF THE AFT PASSENGER/SERVICE DOORS	53-60-03
EDGE FRAMES OF THE CUTOUTS FOR THE AFT PASSENGER/SERVICE DOORS	53-60-04
EDGE FRAMES OF THE AFT MAIN CARGO DOOR CUTOUT	53-60-05
UPPER SILL OF THE FORWARD AND AFT MAIN CARGO DOORS	53-60-06
LOWER SILL OF THE FORWARD AND AFT MAIN CARGO DOOR CUTOUTS	53-60-07
EDGE FRAMES OF THE TYPE 1 DOOR CUTOUTS	53-60-08
UPPER AND LOWER SILLS OF THE TYPE 1 DOOR CUTOUTS	53-60-09

## PART 6 FRONTMATTER

Table of Contents

Page 4

Dec 15/2008

D634T301



767

## NONDESTRUCTIVE TEST MANUAL

<b>Subject</b>	<b>Chapter Section Subject</b>
<b>FUSELAGE - SECTION 48</b>	
AFT PRESSURE BULKHEAD - BS 1582 (HFEC) INSPECTION	53-80-01
AFT PRESSURE BULKHEAD - BS 1582 (LFEC) INSPECTION	53-80-02
HORIZONTAL STABILIZER HINGE PINS	53-80-03
FUSELAGE - SECTION 48 - BS 1809 OUTER CHORD	53-80-04
AFT PRESSURE BULKHEAD - WEB TO Y-RING ATTACHMENT	53-80-05
AFT PRESSURE BULKHEAD - BS 1582 (MFEC) INSPECTION	53-80-06
<b><u>NACELLES/PYLONS</u></b>	
<b>NACELLE/PYLONS - PYLON</b>	
OUTBOARD CHORD OF THE LOWER SPAR ON RB211 STRUTS	54-50-01
MIDSPAR CHORDS - CF6-80C2, CF6-80A, JT9D, PW4000 STRUTS	54-50-02
<b>NACELLES/PYLONS - STRUT ATTACH FUSE PINS</b>	
FUSE PINS 311T2102-1, 311T3102-1, -2 - MIDSPAR FITTING TO WING ATTACH FITTING	54-51-01
FUSE PINS 311T2090-1, 311T3090-3, -4, 311T5090-1 - UPPER LINK TO STRUT ATTACH FITTING	54-51-02
<b><u>STABILIZERS</u></b>	
<b>STABILIZERS - HORIZONTAL STABILIZER</b>	
HORIZONTAL STABILIZER - PIVOT FITTINGS - SPLICE PLATE SURFACE INSPECTION	55-10-01
HORIZONTAL STABILIZER - PIVOT FITTINGS - BOLT HOLE INSPECTION	55-10-02
HORIZONTAL STABILIZER - PIVOT FITTING LUG HOLE	55-10-03
HORIZONTAL STABILIZER - REAR SPAR UPPER CHORD	55-10-04
HORIZONTAL STABILIZER - UPPER AND LOWER ATTACHMENTS OF THE JACKSCREW FITTING	55-10-05
<b><u>WINGS</u></b>	
<b>WINGS - NACELLE/PYLON ATTACH FITTINGS</b>	
WING - NACELLE/PYLON ATTACH FITTINGS	57-04-01
<b>WINGS - WING CENTER SECTION</b>	
WING CENTER SECTION - REAR SPAR LOWER CHORD (INTERNAL)	57-10-01
WING CENTER SECTION - REAR SPAR LOWER CHORD (EXTERNAL)	57-10-02
REAR SPAR LOWER CHORD AT THE SIDE-OF-BODY SPLICE	57-10-03
WING CENTER SECTION - LOWER SKIN AT THE REAR SPAR	57-10-04

## PART 6 FRONTMATTER

Table of Contents

Page 5

Sep 15/2007

D634T301



767

## NONDESTRUCTIVE TEST MANUAL

<b>Subject</b>	<b>Chapter Section Subject</b>
<b>WINGS - OUTER WING</b>	
STRINGERS 6, 10 AND 15 AT THE LOWER WING SKIN SPLICE (EXTERNAL)	57-20-01
INTERNAL INSPECTION OF THE LOWER WING SPLICE AT STRINGERS 6, 10 AND 15	57-20-02
LOWER CHORD AT THE REAR SPAR FROM THE WING-TO-BODY FAIRING TO RIB 3 (APPROXIMATELY WS 213.5 TO WS 283.7) - HORIZONTAL FLANGE INSPECTION	57-20-03
LOWER CHORD OF THE REAR SPAR FROM THE SIDE-OF-BODY TO RIB 3	57-20-04
LOWER CHORD OF THE REAR SPAR AT THE INBOARD FLAP AND NACELLE FAIRING AREAS	57-20-05
LOWER CHORD OF THE REAR SPAR AT RIBS 5, 6, 8, 9 AND FAIRING AREAS	57-20-06
LOWER WING SKIN INSPECTION THROUGH THE SPLICE PLATE BETWEEN RIBS 18 AND 19 (WS 642.2 AND 668.2)	57-20-07
LOWER WING SKIN AND CHORD OF THE FRONT SPAR AT RIBS 9 THRU 23	57-20-08
<b>WINGS - TRAILING EDGE AND TRAILING EDGE DEVICES</b>	
OUTBOARD DEFLECTION CONTROL TRACK OF THE OUTBOARD FLAP	57-50-01
LOWER AFT FLANGES OF THE REAR SPAR FITTINGS AT FLAP SUPPORTS 1, 2, 7 AND 8	57-50-02
ACTUATOR BORE AT THE REAR SPAR FITTING OF THE OUTBOARD FLAP SUPPORTS (HFEC)	57-50-03
ACTUATOR HOLE OF THE REAR SPAR FITTING AT FLAP SUPPORTS 1, 2, 7 AND 8 (OPEN HOLE)	57-50-04
UPPER AND LOWER FLANGES OF THE OUTBOARD FLAP 6-9 BEAMS	57-50-05
INBOARD CLOSURE RIB OF THE INBOARD FLAPS	57-50-06
9-10 CARRIER BEAM AT FLAP SUPPORTS 3 AND 6	57-50-07
6-6 PIN AT FLAP SUPPORTS 4 AND 5	57-50-08
<b>WINGS -AILERONS</b>	
OUTBOARD AILERON BRACKET ASSEMBLIES AND RELATED FITTINGS	57-60-01

## PART 6 FRONTMATTER

Table of Contents

Page 6

Sep 15/2007

D634T301