

**GENERAL DYNAMICS**  
*Convair Division*

340/440/580/640 SERVICE BULLETIN INDEX  
NUMERICAL SERVICE BULLETIN AND TITLE LISTING  
(LISTS BULLETINS ISSUED 1 JANUARY 1966 TO JANUARY 2001)

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The following is arranged by ATA 100 chapter headings for the purpose of grouping and cross listing all service bulletin numbers and titles issued within said chapters.

The title listing is intended as a "Table of Contents" for service bulletin accountability. This listing is not intended as a chronological history of service bulletin activity nor is it intended to convey descriptive information pertaining to the actual task.

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640(340D) 11-1	Stencils & Markings – Revision of Stencils for Underwing Pressure Refueling and/or Overwing Gravity Refueling		X		01 July 1966
640(340D) 11-2	Placard – Revise Fire Extinguisher Selector Switch Placard		X		02 June 1967

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* 640(340D) 12-1	Servicing – Lubrication of Dart Engine Accessory Gearbox Drive Shaft Couplings.		X		21 August 1985

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<b>CHAPTER 21 – AIR CONDITIONING</b>					
640(340D) 21-1A	Air Conditioning – Installation of Cooling Turbine Ground Operation Interlock and Anti-Ice Test Switch		X		04 November 1966  Re-issue A, 30 March 1967
640(340D) 21-2	Air Conditioning – Addition of Insulation Blanket to Combustion Heater Drain Line		X		11 May 1967
640(340D) 21-3	Air Conditioning – Replacement of Combustion Heater Spray Nozzle		X		22 May 1967
640(340D) 21-4	Air Conditioning – Deactivation of Refrigeration By-Pass Valve Pressure Ratio Limiter		X		04 March 1970
640(340D) A21-5	Air Conditioning – Revision of Cabin Refrigeration Unit Vent Line	X	X	X	13 September 1972

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640(340D) 23-2	Replaced by SB 23-4				
640(340D) 23-3	Communications – Circuit Modification to Electrical Provisions, Cockpit Voice Recorder		X		24 August 1966
640(340D) 23-4	Communications – Relocation of Cockpit Mounting Provisions for Voice Recorder Control Unit		X		06 September 1966

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<b>CHAPTER 24 – ELECTRICAL POWER</b>					
640(340D) 24-1	Electrical Power – Additional of Nickel-Cadmium Batteries		X		27 January 1966
640(340D) 24-2	Electrical Power – Relocation of AC Generator Control Unit		X		29 January 1968
640(340D) A24-3	Electrical Power – Revision of Indicating Lights Circuits		X		08 September 1969
640(340D) 24-4	Electrical Power – Nickel-Cadmium Battery Monitoring		X		05 April 1973
640(340D) 24-5	Electrical Power – Spares Procurement of Wing/Fuselage Disconnect Panels	X	X	X	14 November 1980

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640(340D) 25-2A	Equipment/Furnishings – Modification of VOR/ADF Control Switch Installation on Pilots Instrument Panel		X		08 February 1966  Re-issue A, 4 March 1966
640(340D) 25-3	Equipment/Furnishings – Installation of Cockpit Soundproofing		X		05 August 1966
640(340D) 25-4	Equipment/Furnishings – Evacuation Slide Installation on Rear Service Door	X	X	X	11 March 1969  Revision 1, 7 April 1969  Revision 2, 21 May 1969  Revision 3, 24 June 1969
640(340D) 25-5B	Equipment/Furnishings – Installation of Exterior Emergency Lighting	X	X	X	16 December 1968

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640(340D) 25-5B (cont'd)	Equipment/Furnishings – Installation of Exterior Emergency Lighting	X	X	X	Re-issue A, 07 March 1969  Re-issue B, 01 April 1969  Revision A, 29 December 1969  Revision 2, 03 February 1970  Revision B, 23 July 1971
640(340D) 25-6A	Equipment/Furnishings – Installation of Underseat Baggage Restraint	X	X	X	05 November 1968  Re-issue A, 17 January 1969
640(340D) 25-7A	Equipment/Furnishings – Installation of Overwing Escape Provisions	X	X		24 October 1968  Re-issue A, 11 September 1969
640(340D) 25-8	Not Issued				
640(340D) 25-9	Equipment/Furnishings – Modification of Cockpit Door and Partition	X	X	X	16 November 1970  Revision 1, 19 April 1 1971  Revision 2, 07 February 1975  Revision 2, 07 February 1975

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640(340D) 25-9 (cont'd)	Equipment/Furnishings – Modification of Cockpit Door and Partition	X	X	X	Revision 3, 03 October 1975
640(340D) 25-A10	Equipment/Furnishings – Inspection and Rework of Emergency Escape Hatch Cover Assembly	X	X	X	Revision 4, 24 October 1975
640(340D) 25-11	Equipment/Furnishings – Installation of Observer's Seat Shoulder Harness	X	X	X	12 July 1978
					12 January 1981

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640(340/440D) 26-1	Fire Protection – Engine Accessory Section (Zone 2) Vent Door in Nacelle Top Cowl	X			07 November 1983

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640(340D) 27-1	Flight Controls – Rudder and Elevator Hinge Pin and Bushing Assembly	X	X	X	30 March 1973
640(340D) 27-2	Flight Tab Installation Rudder Quadrant Torque Tube Inspection and Rework	X	X	X	16 July 1973
640(340D) 27-3	Flight Controls – Inspection of Flap Torque Tube Joints	X	X	X	01 April 1974
640(340D) 27-A4	Controls – Inspection of Rudder Gust Lock Installation	X	X	X	29 April 1977
640(340D) 27-5	Flight Controls – Rudder Crossover Assembly – Inspection for Cracks	X	X	X	11 February 1980
640(340D) 27-6	Flight Controls – Elevator Torque Tube – Inspection and/or Replacement of Attachment Fasteners	X	X	X	23 February 1981

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<b>CHAPTER 28 – FUEL SYSTEM</b>					
640(340D) 28-1	Fuel System – Installation of a Dual Point Underwing Refueling System		X		16 March 1966
640(340D) A28-2	Fuel System – Fuel Filter Heater Operation		X		03 April 1967
640(340D) 28-3	Fuel System – Replacement of Fuel Differential Pressure Switch		X		16 December 1968
					Revised, 31 December 1968
640(340D) A28-4	Fuel System – Inspection for Correct Positioning of Fuel Manifold		X		16 June 1971

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<b>CHAPTER 29 – HYDRAULICS</b>					
640(340D) 29-1A	Hydraulic Power – Inspection of Hydraulic and Fuel Lines in the MLG Wheel Wells		X		05 May 1967  Re-issue A, 24 May 1967

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<b>CHAPTER 30 – ICE and RAIN PROTECTION</b>					
640(340D) 30-1	Ice and Rain Protection – Combustion Heater, Addition of Second Anti-Icing Cycle Switch		X		10 October 1966
640(340D) 30-2	Ice and Rain Protection – Combustion Heater, Addition of Sliding Provisions at Forward Attach Point, New Seals, and Rerouting of Drains		X		18 October 1966
640(340D) 30-3	Ice and Rain Protection – Modification of Wing Inboard Anti-Icing Air Discharge Louvers		X		22 April 1968
640(340D) 30-4	Ice and Rain Protection – Increased Travel for Wing Anti-Icing Valve		X		12 June 1968
640(340D) 30-5	Ice and Rain Protection – Insulation of Wing Anti-Ice Duct Baffle	X	X		07 June 1968

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640(340D) 31-2A	Instruments – Replacement of Torquemeter Data Plates on Engine Instrument Panel		X		03 June 1974  Re-issue A, 01 July 1974

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640(340D) 32-2	Landing Gear – Nose Landing Gear Uplock Quadrant, Inspection	X	X		13 August 1969
640(340D) 32-3	Landing Gear – Main Landing Gear Axle – Inspection and Rework	X	X	X	31 October 1969
640(340D) 32-4	Landing Gear – MLG Shock Strut Outer Cylinder – Inspection and Rework	X	X	X	31 August 1971
640(340D) 32-5	Landing Gear – MLG Shock Strut Upper Bearing Lock Pin – Inspection and Modification	X	X	X	03 September 1971
640(340D) 32-6	Landing Gear NLG Wheel Retaining Nut – Inspection and Rework	X	X	X	17 December 1971
640(340D) 32-7	Landing Gear – Inspection of Nose Landing Gear Upper LH Drag Strut for Cracks	X	X	X	20 June 1973
640(340D) 32-8	Landing Gear – NLG Upper LH Drag Strut – Inspection and Rework for Cracks Adjacent to Clutch Plate Shear Bolt Hole	X	X	X	10 August 1973
					Revision 1 14 September 1973
					Revision 2, 25 September 1973
640(340D) 32-9	Landing Gear – Inspection/Rework for P/N 528039 MLG Piston for Cracks Below Metering Pin Support Ledge	X	X	X	29 August 1974
640(340D) 32-10	Landing Gear – Inspection of P/N 528019 and 528020 Main Landing Gear Trunnion Pins for Cracks	X	X	X	18 August 1975
640(340D) 32-11	Landing Gear – Nose Landing Gear Drag Strut Clutch Plate – Inspection and Rework	X	X	X	29 March 1976

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640(340D) 32-13	Landing Gear – Nose Landing Gear Axle Inspection for Cracks	X	X	X	07 August 1978
640(340D) 32-14	Landing Gear – Inspection of Main Landing Gear Drag Strut Pivot Bolt	X	X	X	17 June 1986  Revision 1 10 October 1986
640(340D) A32-15	Landing Gear – Inspection of Brake Line Installation	X	X	X	12 August 1993

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640(340D) 49-3	Auxiliary Power Unit – Addition of Upper APU Support Bracket Stiffener		X		19 July 1967
640(340D) 49-4	Auxiliary Power Unit – Addition of APU Generator Cooling Duct		X		25 August 1967
640(340D) 49-5	Auxiliary Power Unit – Hour Meter Relocation		X		18 October 1967
640(340D) 49-6A	Auxiliary Power Unit – Revision of EGT Indicator Range Markings		X		23 August 1972
					Re-issue A, 18 September 1972

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* 640(340D) 52-2	Doors – Modification of Type I Exit Door (Cargo Version)		X		26 May 1972
640(340D) 52-A3	Doors – Inspection of Proximity Switch Actuating Mechanism for Binding	X	X	X	22 November 1976
640(340D) 52-4	Doors – Modification of the Door Open Warning System	X	X	X	27 February 1987  Revision 1, 24 November 1988  Revision 2, 30 November 1989
640(340D) 52-5	Doors – Installation of Plug Type Emergency Exit Doors on Cargo Airplanes (For Sales Only – No Distribution)	X	X	X	01 April 1992
640(340D) 52-A6	Cargo Door – Hinge Node Inspection	X	X	X	15 January 1993

\* Applicable to Model 640 Aircraft Serial No. 463

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640(340D) 53-2	Not Issued	X	X	X	
640(340D) 53-3	Fuselage – Inspection of Windshield Lower Longeron Splice	X	X	X	24 April 1970
640(340D) 53-4	Fuselage – Inspection of Sta. 92 Beltframe Attachment to NLG Wheel Well	X	X	X	17 August 1970
640(340D) 53-5C	Fuselage – Inspection of Windshields, DV Windows, Sliding Windows, and Cabin Windows	X	X	X	21 September 1990
640(340D) 53-6	Fuselage – Inspection of Aft Fuselage Stringers	X	X	X	03 March 1971
640(340D) 53-7	Fuselage – Rigging, Maintenance and Inspection of Emergency Escape Hatches	X	X	X	22 December 1971
* 640(340D) A53-8	Fuselage – Reinforcement of Structure (Cargo Version)		X		11 May 1972
640(340D) 53-9	Fuselage – Installation of Skin Doubler Forward of DV Window	X	X	X	07 December 1972
640(340D) 53-10	Fuselage – Inspection of Fuselage Stringer-to Beltframe Attachments	X	X	X	Alert 22 December 1972
					Formal 07 February 1973
					Revision 1, 14 September 1973
					Revision 2, 30 August 1974
	* Applicable to Model 640 Aircraft Serial No. 463				

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640(340D) 53-11	Fuselage – Inspection for Cracks in the Structure Adjacent to Sta. 64.75 Beltframe Attachments to the Sliding Window Lower Longeron	X	X	X	20 June 1973  Revision 1, 27 June 1973
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640(340D) 53-15	Fuselage – Inspection and Repair of Beltframes	X	X	X	01 June 1989  Revision 1, 01 December 1989  Revision 2, 16 April 1 1990

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640(340D) 54-2	Nacelle – Installation of Nacelle Inlet Liquid Barriers		X		08 May 1967
640(340D) 54-3	Nacelles – Change Fluid Shutoff Valve Supports to Stainless Steel	X	X		21 June 1967
640(340D) 54-4A	Nacelles – Replacement of Seals		X		29 April 1968
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640(340D) 54-5	Nacelle – Modification of LH Outboard Cowl Panel to Accommodate Engine with Increased Oil Capacity		X		21 March 1968
640(340D) 54-6	Nacelles – Modification of Combustion Heater Drain Installation		X		22 April 1968
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640(340D) 54-8	Nacelles – Inspection of Upper and Lower Longeron Engine Mount Attach Fittings (Supercedes 640(340D) A54-7.)		X		22 September 1975
* 640(340D) 54-9	Nacelles – Rework of RH Nacelle Bulkhead Stiffener to Accommodate Rolls-Royce Modification 1792		X		24 July 1985

\* Change 01 (Refer to Page A.)

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640(340D) 55-2	Stabilizers – Inspection, Repair and/or Reinforcement of Horizontal Stabilizer Butt Rib	X	X	X	27 February 1975
640(340D) 55-3A	Stabilizers – Horizontal Stabilizer Attachment Fittings – Inspection for Cracks	X	X	X	13 August 1976
					Re-issue A, 12 November 1979
					Revision 1, 12 June 1981
					Revision 2, 01 December 1988
640(340D) 55-4A	Stabilizers – Inspection of Horizontal Stabilizer Attachment Fittings for Cracks Outboard of the Butt Rib	X	X	X	13 July 1981
					Revision 1, 24 March 1982
					Revision 2, 01 October 1982
640(340D) 55-5	Empennage – Inspection of the Elevator Hinge Pin Installation (Supercedes 640(340D) 5-A5.)	X	X	X	21 September 1990
640(340D) 55-6	Empennage – Inspection and Replacement of Vertical and Horizontal Stabilizer Attach Pins and Sleeves	X	X	X	01 September 1992
					Revision 1, 31 March 1994
640(340D) A55-7	Empennage – Replacement of Elevator and Rudder Hinge Pin and Bushing Assemblies	X	X	X	22 March 1993

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640(340D) A55-8	Empennage – Inspection and Replacement of Vertical Stabilizer Attach Bolts P/N's 340-8300009 and 340-8300010	X	X	X	10 February 1994
640(340D) A55-9	Empennage – Inspection for and Replacement of 340-8300009-9 Washers in Vertical Stabilizer Rear Spar Attach Fittings with Bushings Installed per Convair Model 440 Structural Repair Manual	X	X	X	31 March 1994

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640(340D) 56-1	Windows – Passenger Window Installation Information	X	X	X	21 February 1969
640(340D) 56-A2	Windows – Inspection of Cockpit Sliding Windows	X	X	X	01 May 1978
640(340D) 56-A3	Fuselage – Inspection of Passenger Cabin Windows	X	X	X	21 March 1979
640(340D) 56-4	Windows – Authorized Repair and Warranty Policy	X	X	X	25 May 1983

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640(340D) 57-2A	Wing – Lower Surface Access Doors – Inspection and Repair of Doublers	X	X	X	23 January 1968  Re-issue A, 06 August 1974
640(340D) 57-3	Wing – Main Landing Gear Beam Inspection & Repair	X	X	X	17 April 1970
640(340D) 57-4	Wing – Main Landing Gear Trunnion Fitting – Inspection and Rework	X	X	X	25 May 1970
640(340D) 57-5A	Wing – Inspection and Serviceability Criteria for MLG Drag Link Fittings on Front Spar	X	X	X	26 May 1970  Re-issue A, 20 July 1970
640(340D) 57-6B	Wing – Lower Surface Skin and Spar Rail in Area of Drag Strut Fittings – Inspection and Repair (Supercedes 640(340D) A57-6.)	X	X	X	01 June 1970  TWX Alert 02 March 1973 Formal Alert Re-issue 12 March 1973 Re-issue A, 22 July 1974  Revision 1, 07 February 1975  Revision 2, 31 October 1975

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640(340D) 57-7	Wing – Inspection and Repair of Wing Lower Surface Stringers No. 7 and No. 9 Between Sta. 8 and 17	X	X	X	10 August 1971
640(340D) 57-8	Wing Inspection for Cracks in Lower Surface Skin	X	X	X	25 August 1972
640(340D) A57-9	Wing – Inspection for Cracks in Lower Surface Skin and Stringers at Sta. 6.0	X	X	X	11 March 1974
					Revision 1, 07 February 1975
640(340D) 57-10	Wing – Inspection/Repair/Reinforcement Bulkhead No. 6 Upper Rail	X	X	X	17 September 1975
640(340D) 57-11	Wing – Inspection of Front Spar – Sta. 0.0 to Sta. 2.0 Area	X	X	X	06 October 1975
640(340D) 57-12	Wing – Inspection for Cracks, Sta. 18 Flap Track Support Fitting and Rear Spar Lower Rail	X	X	X	10 May 1976

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		340 440	640 DART	580	
<b>CHAPTER 61 – PROPELLERS</b>					
640(340D) A61-1	Propellers – Reduction of Lighted Area of Prop Indicating Lights		X		14 February 1966
640(340D) A61-2	Propellers – Inspection of Electrical Connector – Propeller Control Unit		X		01 July 1966
640(340D) A61-3	Propeller – Gust Lock Actuated Switches – Inspection of		X		01 December 1966
640(340D) A61-4	Propellers – Gust Lock Switches – Deactivation of		X		22 December 1966
640(340D) 61-5	Propeller – Flight Fine Pitch Stop Aural Warning Modification		X		22 March 1967
640(340D) A61-6	Propeller System – Lamp Bulb Installation		X		11 October 1967
640(340D) 61-7	Propeller System – Replacement of Indicator Light Caps		X		04 January 1968
640(340D) A61-8	Propeller System – Inspection of Auto-Feather System Wiring		X		02 October 1968

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		340 440	640 DART	580	
<b>CHAPTER 71 – POWER PLANT</b>					
640(340D) A71-1	Power Plant – Inspection of Nuts Installed on Engine Mount Bolts		X		26 January 1966
640(340D) 71-2B	Power Plant – Engine Oil Breather Tube Addition of Welded Seal and Extension		X		01 May 1969
					Re-issue A, 09 January 1970
					Re-issue B, 17 April 1970
* 640(340D) 71-3	Not Issued				
640(340D) 71-4	Power Plant – Inspection for Internal Corrosion of Dart Engine Mount Structure		X		20 October 1971
640(340D) 71-5	Not Issued				
640(340D) 71-6	Power Plant – Inspection of Engine Mount Attachment Bolts		X		29 March 1974
640(340D) A71-7	Engine Mount – "W" Frame Socket Fitting Inspection		X		21 December 1994

\* Change 01 (Refer to Page A.)

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		340 440	640 DART	580	
<b>CHAPTER 72 – ENGINE GENERAL</b>					
640(340D) 72-1	Engine – Change of Part Number for Engine Driven Compressor (EDC)		X		20 July 1967
640(340D) 72-2	Engine General – Installation of Dart Mark 542-4K Engines		X		29 January 1970

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		340 440	640 DART	580	
<b>CHAPTER 73 – ENGINE FUEL and CONTROL</b>					
640(340D) A73-1	Engine Fuel and Control – Inspection of Engine Fuel Pressure Switch Line and Clamps		X		08 September 1969

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		340 440	640 DART	580	
<b>CHAPTER 76 – ENGINE CONTROLS</b>					
640(340D) 76-1	Engine Controls – Installation of Conditioning Lever Quadrant Cover Slot Seal		X		11 February 1966
640(340D) 76-2	Engine Controls – Revision of Fuel Trim Rigging		X		26 September 1966
640(340D) 76-3	Engine Controls – Modification of Nacelle Condition Lever Switch Cams		X		26 July 1967
640(340D) A76-4	Engine Controls – Retention of "T" Handle Bushing		X		02 February 1970
640(340D) A76-5	Engine Controls – Inspection of Throttle Quadrant Heads for Security	X	X		17 June 1971
640(340D) 76-6	Engine Controls – Inspection of Ball and Socket Connections		X		29 May 1972

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		340 440	640 DART	580	
<b>CHAPTER 78 – EXHAUST</b>					
640(340D) 78-1	Revision of Aft Tail Pipe Seal Installation and Addition to Wing Scuff Shield		X		15 September 1966
640(340D) 78-2	Replaced By S.B. 78-4		X		
640(340D) 78-3	Exhaust – Replacement of Collars with Blanket Assemblies at Engine Exhaust Duct Joints		X		22 April 1968
640(340D) 78-4	Exhaust – Replace Engine Exhaust Duct Gasket (Replaces S. B. 78-2)		X		11 April 1969
640(340D) 78-5	Exhaust – Revision of Aft Tail Pipe Seal Installation		X		01 May 1969

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		340 440	640 DART	580	
<b>CHAPTER 80 – STARTING</b>					
640(340D) 80-1	Starting – Alternate Starter Dropout Relay		X		13 May 1974

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		340 440	640 DART	580	
<b>CHAPTER 82 – WATER INJECTION</b>					
640(340D) 82-1	Not Issued				
640(340D) 82-2	Not Issued				
640(340D) 82-3	Water Injection – Replacement of Hose – Nacelle Zone 2		X		25 November 1968

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		340 440	640 DART	580	
<b>CHAPTER 95 – PREFORMANCE</b>					
640(340D) 95-1A	Performance Improvement Program (Information Bulletin)		X		15 April 1966  Re-issue A, 27 April 1966
640(340D) 95-2	Landing Performance Improvement Program (Without Anti-Skid and Tail Pipe Revision) (Information Bulletin)		X		02 May 1966
640(340D) 95-3	Installation Approval of Dowty Rotol R259/4-40-4.5/17 Propeller (13'4") on Model 640(340D) and 640(440D) Aircraft		X		13 May 1966