

# HAMILTON SUNDSTRAND APU PUBLICATIONS (Business Aircraft Models Only)

<u>Publication #</u>	<u>Revision #</u>	<u>Revision Date</u>	<u>Title</u>
1179		07/30/99	Electronic Sequence Unit Repair Manual
1205		11/15/02	Electronic Sequence Unit Repair Manual
1210		07/01/03	Analog Converter Repair Manual
1067-1	4	05/15/06	T-20G-10C3 Maintenance Manual
1067-2	4	05/15/06	T-20G-10C3 Repair Manual
1067-3	5	05/15/06	T-20G-10C3 Illustrated Parts Catalog
1068-1	3	04/15/06	T-20G-10C3A Maintenance Manual
1068-2	3	04/15/06	T-20G-10C3A Repair Manual
1068-3	4	04/15/06	T-20G-10C3A Illustrated Parts Catalog
10C3A SYS	1	04/01/00	Bulletin 10C3A SYS
20-00-01	5	12/02/08	Mechanical Standard Practices Manual
20-00-02	5	01/16/10	Electronic Component Repair Procedures
20-10-01	10	01/18/08	Common Standard Practices for Electronic Equip.
29A		06/01/71	T-62T-29A Maintenance, Overhaul and IPC
39-1	4	10/31/05	T-62T-39 Maintenance Manual
39-2	4	10/31/05	T-62T-39 Repair Manual
39-3	5	10/31/05	T-62T-39 Illustrated Parts Catalog
40C/C1/C2-1	3	01/15/06	T-62T-40C/C1/C2 Maintenance Manual
40C/C1/C2-2	3	01/15/06	T-62T-40C/C1/C2 Repair Manual
40C/C1/C2-3	3	01/15/06	T-62T-40C/C1/C2 Illustrated Parts Catalog
40C3-1	2	06/15/06	T-62T-40C3 Maintenance Manual
40C3-2	2	06/15/06	T-62T-40C3 Repair Manual
40C3-3	2	06/15/06	T-62T-40C3 Illustrated Parts Catalog
40C3A/3A1-1	5	06/15/06	T-62T-40C3A/3A1 Maintenance Manual
40C3A/3A1-2	5	06/15/06	T-62T-40C3A/3A1 Repair Manual
40C3A/3A1-3	5	06/15/06	T-62T-40C3A/3A1 Illustrated Parts Catalog
40C7A/7D SYS		03/01/00	Bulletin T40C7A/D SYS
40C7A/7D-1	8	03/01/08	T-62T-40C7A/D Maintenance Manual
40C7A/7D-2	8	03/01/08	T-62T-40C7A/D Repair Manual
40C7A/7D-3	8	03/01/08	T-62T-40C7A/D Illustrated Parts Catalog
40C7E2-1	4	07/15/06	T-62T-40C7E2 Maintenance Manual
40C7E2-2	4	07/15/06	T-62T-40C7E2 Repair Manual
40C7E2-3	4	07/15/06	T-62T-40C7E2 Illustrated Parts Catalog
40C8D1 SYS		03/01/01	Document 40C8D1 SYS
40C8D1-1	4	03/15/06	T-62T-40C8D1 Maintenance Manual
40C8D1-2	4	03/15/06	T-62T-40C8D1 Repair Manual
40C8D1-3	5	03/15/06	T-62T-40C8D1 Illustrated Parts Catalog
40C9-1	2	07/15/06	T-62T-40C9 Maintenance Manual
40C9-2	2	07/15/06	T-62T-40C9 Repair Manual
40C9-3	2	07/15/06	T-62T-40C9 Illustrated Parts Catalog
49-00-01	TR49-2	10/15/07	Standard Practices Manual R1 040105
49-06-14	0	09/15/08	Electronic Sequence Unit PWAs
49-10-21	1	09/15/03	Engine Control Harness Assembly
49-10-22	2	03/15/06	Engine Control Harness Assembly
49-10-23		05/15/01	Engine Control Harness Assembly
49-10-26	2	04/15/06	Engine Control Harness Assembly
49-10-28		09/15/01	Engine Control Harness Assembly
49-10-34	1	01/15/06	Engine Control Harness Assembly
49-10-40	1	06/15/06	Engine Control Harness Assembly
49-22-02	3	09/15/02	Turbine Assembly
49-22-03	3	11/15/02	Turbine Assembly
49-23-00	5	10/15/02	Reduction Drive Assy
49-23-01	5	11/15/02	Reduction Drive Assy
49-31-05	4	03/15/06	Acceleration Control Assembly
49-31-19	2	04/15/06	Fuel Control and Pump Assembly

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49-32-05	3	10/31/05	Fuel Pump
49-32-10	1	04/15/06	Fuel Pump Assembly
49-35-01		08/15/01	Electronic Sequence Unit
49-41-12		04/01/04	Starter Motor
49-42-10		04/15/00	Ignition Exciter
49-43-10	1	02/15/03	Start By-Pass Valve
49-53-17		01/15/02	Actuated Butterfly Valve
49-61-04	2	09/15/01	Electronic Sequence Unit
49-61-05	2	01/15/02	Electronic Sequence Unit
49-61-07	1	12/01/01	Electronic Sequence Unit
49-61-09	3	04/15/06	Electronic Sequence Unit
49-61-10	1	06/15/06	Electronic Sequence Unit
49-61-12	0	09/15/08	Electronic Sequence Unit
49-63-01	2	07/01/03	Frequency/Analog Converter
49-73-10	1	04/15/06	Fuel Atomizer Assembly
APS500C/I/R	9	12/01/07	Cleaning, Inspection and Repair Manual

## **Service Bulletins**

SB-T-20G-49-1		01/04/95	Improved Fuel Control Assembly
SB-T-20G-49-2		09/04/96	65-98% Speed Timer Extension
SB-T-20G-49-3		09/03/96	Incorporation of ESU Mod Plate
SB-T-20G-49-4		04/04/97	Replacement of Fuel Control & Pump Assy.
SB-T-20G-49-5	1	10/26/04	ESU Upgrade to Improve APU Start Reliability
SB-T-20G-49-6	1	07/11/00	Improved Cold Start Reliability
SB-T-20G-49-8		08/30/02	Intro of Atomizer Assy. & Interconnect Harness Assy.
SB-T-20G-49-9		02/19/04	Improved APU Start Reliability
SB-T-20G-49-10		04/21/03	Intro of Mechanical Fuel Pump w/ Increased Clearance
SB-T-20G-49-11		11/22/05	Intro of Fuel Control & Pump Assy w/ Elbow Filter
SB-T-62T-49-23	1	10/01/85	STAB II, Incorporate New Design
SB-T-62T-49-31	2	01/04/88	Cleaning of Air Inlet and Compressor
SB-T-62T-49-32	3	12/01/89	Cleaning of Air Inlet and Compressor
SB-T-62T-49-33	1	10/31/84	Wiring Change, Hourmeter Power Circuit
SB-T-62T-49-36	1	03/03/89	Fuel Control Assembly Self-Locking Nut
SB-T-62T-49-41		02/25/84	Procedure for Servicing Lubricating Oil
SB-T-62T-49-42		05/23/85	Replace Hourmeter w/ Newer Quartz Hourmeter
SB-T-62T-49-46	1	01/06/87	Replace Line Mounted Flow Restrictor
SB-T-62T-49-50		06/22/87	Reconfiguration of Oil Separator Closure
SB-T-62T-49-58	1	08/29/01	Revised Chip Detector Inspection Procedure
SB-T-62T-49-60		04/04/88	Major Configuration Difference of the T-62T-39 APU
SB-T-62T-49-61		09/01/88	O-Ring Retrofit
SB-T-62T-49-63		04/04/89	Restrictor Plate Installation
SB-T-62T-49-64		05/09/89	Inspection and Replacement of IMC Fuel Sol. Valves
SB-T-62T-49-65	1	07/06/89	Inspection and Replacement of IMC Fuel Sol. Valves
SB-T-62T-49-66		05/09/89	Inspection and Replacement of IMC Fuel Sol. Valves
SB-T-62T-49-67		05/09/89	Inspection and Replacement of IMC Fuel Sol. Valves
SB-T-62T-49-74	1	03/31/94	Inspection of Main Fuel Manifold
SB-T-62T-49-76	13	02/14/08	Replacement Life-Limit Comp's (Turb/Comp Wheels)
SB-T-62T-49-77	10	08/29/05	Periodic Inspection Schedule
SB-T-62T-49-78	1	04/08/94	Introduction of Low-Carbon Combustor Liner
SB-T-62T-49-79	2	04/08/94	Introduction of Kalrez Packings
SB-T-62T-49-80	2	08/19/93	Bypass Valve Mounting Bolts/Torques
SB-T-62T-49-81		09/15/92	Extension of APU Operating Limits
SB-T-62T-49-83		10/02/92	Oil Filter Replacement
SB-T-62T-49-86	3	07/12/00	Incorporation of Modification Plate
SB-T-62T-49-87	1	09/08/92	Low Carbon Combustion Liner, (screen removal)

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SB-T-62T-49-90		06/23/93	Gimbal Fuel Pump & Acceleration Control Upgrade
SB-T-62T-49-91	2	06/24/94	Common Core Rotor
SB-T-62T-49-92	3	08/18/99	H-13 Fuel Pump Drive Shaft Mod
SB-T-62T-49-93	2	04/19/94	Common Core Rotor
SB-T-62T-49-95	4	06/26/97	New Fuel Manifold Assembly & Associated Hardware
SB-T-62T-49-96	3	10/31/97	H-13 Fuel Pump Drive Shaft Mod
SB-T-62T-49-107		10/11/95	Solid State Hourmeter/Event (Cycle) Counter
SB-T-62T-49-108	3	07/03/97	New Fuel Manifold Assembly & Associated Hardware
SB-T-62T-49-109		10/17/94	New Segmented Seal Plate
SB-T-62T-49-110	1	11/01/96	New Underspeed and Enabling RTL Setpoint
SB-T-62T-49-111		01/29/96	ESU-Short Circuit Protection Upgrade
SB-T-62T-49-113	1	10/31/97	New Fuel Manifold and Associated Hardware
SB-T-62T-49-115		04/30/96	Phase 1 Rotor Auxiliary Power Unit (APU)
SB-T-62T-49-116		10/19/95	Improved Start Bypass Valve Flange Gasket
SB-T-62T-49-118	1	06/17/96	Quick Release Filter Bypass Valve Housing Assembly
SB-T-62T-49-119		04/01/96	APU Compressor Wheel Inspection
SB-T-62T-49-120	2	11/05/96	Replacement of Compressor Wheel
SB-T-62T-49-121		10/25/96	Inspection for Turbine Wheel Damage
SB-T-62T-49-123		01/23/97	Replacement of Turbine Wheel
SB-T-62T-49-125	1	06/09/97	Wide Angle Start Nozzle Holder Assembly
SB-T-62T-49-136	2	12/22/99	Modification of Electronic Sequence Unit (ESU)
SB-T-62T-49-148	1	12/20/01	Replacement of Compressor Wheel
SB-T-62T-49-153	2	05/15/03	Introduce Carrier & Bearing w/ Locking Feature
SB-T-62T-49-171	1	12/01/00	Common Core Rotor Modification
SB-T-62T-49-172		04/12/00	Redesigned Starter Motor Clutch
SB-T-62T-49-174	1	04/08/03	Modify Phase 1 Turbine Assy. Pinion Input Assy.
SB-T-62T-49-175		10/12/00	Phase 1 Rotor Modification
SB-T-62T-49-178		12/05/01	Oil Sump Doubler
SB160370-49-2		07/12/90	Replacement of Start Bypass Mounting Bolts
SB160370-49-4		07/12/90	Replacement of Line-Mounted Flow Restrictor
SB160371-49-3		06/01/90	Replace Hourmeter and Events Counter
SB160371-49-7	1	09/03/91	Replace Fuel Pump Auxiliary Drive Shaft Assembly
SB160980-49-2		07/18/90	Replace Start Bypass Valve Mounting Bolts
SB160980-49-3		09/03/91	Replace Fuel Pump Auxiliary Drive Shaft Assembly

## Service Information Letters

SIL APS500-49-131		01/21/91	Alternate ESU (T40C8D1)
SIL APS500-49-171		04/20/92	New Logbooks (All Models)
SIL APS500-49-202		05/13/94	De-Icing Fluid Ingestion (All Models)
SIL APS500-49-203		08/08/94	Uncontained Failure (T40C,C1,C2)
SIL APS500-49-205		09/23/94	APU Logbook Procedures (All Models)
SIL APS500-49-291		01/11/95	ESU Retrofit Program (T40C,C1)
SIL APS500-49-317		10/13/95	Removable Magnetic Plug Torque Value (All Models)
SIL APS500-49-321	1	07/19/96	Gearbox (Reduction Drive) Related Events (T40C8D1)
SIL APS500-49-351		03/24/98	Foreign Object Damage (All Models)
SIL APS500-49-352	2	07/13/06	Turbine Wheel Life Enhancement (All Models)
SIL APS500-49-354	1	12/10/99	Fuel Pump/Acceleration Control Spline Material (All Models)
SIL APS500-49-395		11/07/00	Oil Contamination Inspection (All Models)
SIL APS500-49-408		09/17/01	Recommended Lubrication Oils (All Models)
SIL APS500-49-506		05/06/05	GDAS Designated as APU Service Provider (All Models)
SIL APS500-49-513		01/14/07	Hour and Cycle Count Manually (All Models)