

AIRCOOLED MOTORS, INC, SYRACUSE, NEW YORK, USA

FRANKLIN SERVICE NEWS (Pertaining only to 6A8-215-B8F & B9F Engines)

Compiled by Seabee Club Int'l. (Captain Dick Sanders)

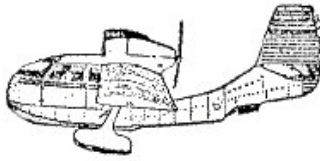
#3	24 Jun '49	Crankshaft and Camshaft Timing Marks
#4	1 Nov '49	Cylinder Reconditioning
#6	2 Jun '52	Factory Overhaul
#12	28 Feb '51	Return of Engines & Parts
#14	8 Mar '51	Exhaust Valves
#16	10 May '51	Name Plate Replacement
#39	1 Feb '54	Engine Overspeed
#40	1 Feb '54	Replacement of Inlet Manifold
#42	21 Sep '53	Auto-Lite Plugs (A-4)
#44	21 Sep '53	Loose Plugs in Inlet Manifolds
#47	21 Sep '53	Engine Mount Bolt Lock Washers
#49	27 Mar '47	Battery and Magneto Ignition on Franklin Engines
#50	10 Apr '47	Cooling Fan & Starter Assembly Installation
#51	10 Apr '47	Fuel Consumption Chart @ 75% Power
#53	30 Apr '47	Oil Level in Model 6A8-215-B8F Engines
#57	21 Sep '53	Fan & Starter Gear Attachment
#58	11 Jun '47	Checking Floating Oil Screen
#59	22 Sep '53	(Revision of #58)
#60	22 Sep '53	Conversion to Floating Bearing Assembly
#63	10 Dec '47	Fuel and Lubrication Oil as Used in Franklin Engines
#66	14 Jun '48	Fuel Pumps (AC Kit #RA-106)
#71	22 Sep '53	Fuel Pumps & Drain Lines
#96	15 Sep '53	Connecting Rod Bolt Nut Torque Limit

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END OF FRANKLIN SERVICE NEWS LIST AS OF DEC, 1985

(Thank you, Dick Saunders and Don Jones!)

3 - Indicates a listing specifically for Franklin 6A8-215-B8F and B9F Seabee Engines



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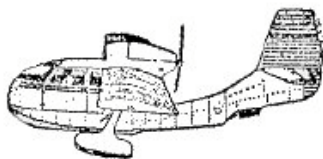
FRANKLIN SERVICE NEWS

This Index lists all active **Franklin Service News** as of March 1, 1954. The Index is coded to indicate applicability of each release to engine models. This Index will be periodically revised to assist Franklin owners in maintaining a current file of Service News. It may be found desirable to retain cancelled News for possible reference.

Number	ENGINE MODEL					Date of Latest Revision	Subject
	6A4-150-B3 & B31	6A4-165-B3	6V4-178-B32 & B33	6V4-200-C32 & C33	6A8-215-B8F & B9F		
3	X	X	X		X	6/24/49	Crankshaft and Camshaft Gear Timing Marks on Franklin Engines. (3 pages)
4	X	X	X		X	11/1/49	Franklin Aircraft Engine Cylinder Reconditioning Models 6A4-150. 6A4-165, 6V4-178 and 6A8-215
5	X	X				4/17/53	Crankshaft Assemblies for Franklin Aircraft Engine Models 6A4-150-B31, B3 and 6A4-165-B3
6	X	X	X	X	X	6/2/52	Factory Major Overhaul and Franklin Engine Overhaul-Exchange Program (3 pages)
9			X	X		11/17/50	Magneto Drive Shaft End Play on Franklin Engine Models 6V4-178-B32, 6V4-178-B33, 6V4-200-C32. C-335-2, C-335-5 and YO-335-5
10		X				6/3/52	Crankcase for Model 6A4-165-B3 Franklin Engine
12	X	X	X	X	X	2/28/51	Return of Franklin Engines and Parts to the Factory
13			X			3/8/51	Availability of Engine Driven, Positive Displacement, Cam Type Fuel Pump for Franklin Models 6V4-178-B32 Engine as used in the Bell Helicopter and Model 6V4-178-B33 Engine as used in the Hiller Helicopter

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	6A4-150-B3 & B31	6A4-165-B3	6V4-178-B32 & B33	6V4-200-C32 & C33	6A8-215-B8F & B9F		
14	X	X	X	X	X	3/8/51	Exhaust Valves as used in Franklin Model 6A4-150. 6A4-165, 6V4-178, 6V4-200 and 6A8-215 Engines
16	X	X	X	X	X	5/10/51	Recommended Procedure for Replacing the Name Plate on Franklin Engines
19	X					6/5/52	Modification of Franklin Model 6A4-150-B3 Engines to Provide for use of an Oil Control Propeller
20				X		7/17/52	Spark Plug Installation on Franklin Model 6A4-200-C32. 6A4-200-C33. O-335-2. VO-335-5. O-335-5, YO-335-6 and O-335-6 Engines
21				X		1/25/54	Use of Shell T.C.P. Concentrate in Franklin Model 6V4-200-C32, 6A4-200-C6, O-335-2. YO-335-5, O-335-5 and O-335-6 Engines
22			X			11/28/52	Oil Capacity Marking on 6V4-178-B33 and O-335-4 Engines
23				X		11/28/52	Crankcase Identification on Franklin Models 6A4-200-C32, O-335-2, YO-335-5, O-335-5 and O-335-6 Engines
24		X	X	X		11/28/52	Instructions for Setting the Air Metering Pin Jet on Model MA4-5 Carburetors without the use of Tool No. M-94
25			X	X		11/28/52	Recommended Procedure for Timing Magnetos on Model 6V4-178-B32 & B33, C-335-2, O-335-3, O-335-4, 6V4-200-C32, YO-335-5, O-335-5 and O-335-6
26				X		11/28/52	Use of Piston having Cast Iron Insert at Top Ring Groove on Model 6A4-200-C6, 6V4-200-C32, O-335-5 and O-335-6 Engines
27	X	X	X	X		11/28/52	Tachometer Oil Seal
28	X	X	X	X		11/28/52	Valve Rocker Pin

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	6A4-150-B3 & B31	6A4-165-B3	6V4-178-B32 & B33	6V4-200-C32 & C33	6A8-215-B8F & B9F		
29		X	X	X		1/14/53	Inspection of Magneto Breaker Points. Scintilla Part Numbers 10-52952, 10-52953, 10-52959Y and 10-55267, used in Franklin Models 6A4-165-B3, 6A4-178-B32. 6V4-178-B33, 6V4-200-C32, O-335-2, O-335-3, O-335-4, YO-35-5 and C-335-6 Engines
30						11/28/52	Carburetor Calibration for Franklin Model 6V4-200-C32 & C33, O-335-2, YO-335-5, O-335-6 Engines
31			X	X		12/16/52	Oil Pressure Adjustment on Franklin Models 6V4-178-B32, 6v4-178-B33, 6V4-200-C32, O-335-2, O-335-3, O-335-4, YO-335-5. O-335-5 and O-35-6 Engines
32				X		4/21/53	Use of the Manual Mixture Control on Franklin Models 6V4-200-C32, V4-200-C33, 6V4-200-C6, O-335-2, YO-335-5, O-335-5, O-335-5 and O-335-6 Engines
34			X	X		10/12/53	Availability of Chrome Plated Top Ring for Franklin Models 6V4-178-B32, 6V4-178-B33, 6V4-200-B32 and 6V4-200-B33 Engines
35	X	X	X	X		10/27/53	Regrinding of Nitrided Crankshaft
36	X	X	X	X		12/17/53	Recommended Special Tools for Franklin Model 6A4-150-B3, 6A4-165-B3, 6V4-178-B32, 6V4-178-B33, 6V4-200-C32 & 6V4-200-C33 Engines
37				X		1/22/54	Inspection of 6V4-200-C32 and C33 Engines at Major Overhaul
38			X	X		2/1/54	Plate-Oil Reflector. Installation of
39	X	X		X	X	2/1/54	Engine Overspeeding
40				X		2/1/54	Inlet Manifold System-Replacement of
41				X		3/1/54	Cylinder Tie Plates on 6V4-200-C32 and C33 Engines



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FRANKLIN SERVICE BULLETINS

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Number	ENGINE MODEL					Date of Latest Revision	Subject
	6A4-150-B3 & B31	6A4-165-B3	6V4-178-B32 & B33	6V4-200-C32 & C33	6A8-215-B8F & B9F		
33	X	X				9/21/53	Effect of Primer on Engine Operation on Franklin Models 6A4-150-B3 & 6A4-165-B3
40					X	11/6/46	Motor Mount Bolts on 6A8-215-B8F Engines
42					X	9/21/53	Auto-Lite Spark Plugs as used on the Franklin Models 6A8-215-B8F and B9F Engines in the Republic Seabee
44					X	9/21/53	Loose Plugs in Inlet Manifolds on 6A8-215-B8F & B9F Engines
46	X	X				9/21/53	Suggestions for Cold Weather Operation on Franklin Engines Models 6A4-150-B3 & B31, and 6A4-165-B3
47					X	9/21/53	Engine Mount Bolt Lock Washers for 6A8-215-B8F & B9F Engines
48	X					2/8/47	Fuel Pump Installation on 6A4-150-B3 and B31 Engines as used on Bellanca Cruisair
49					X	3/27/47	Battery and Magneto Ignition on Franklin Engines in Seabee Installation
50					X	4/10/47	Installation of Engine Cooling Fan and Starter Gear assembly on Franklin Model 6A8-215-B8F and B9F Engines as used in Seabee Installations

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	6A4-150-B3 & B31	6A4-165-B3	6V4-178-B32 & B33	6V4-200-C32 & C33	6A8-215-B8F & B9F		
51					X	4/10/47	Fuel Consumption Chart for Franklin 6A8-215-B8F and B9F Engines at a 75% Power Cruise Condition (3 Pages)
53					X	4/30/47	Oil Level in Model 6A8-215-B8F and B9F Engines as used in Republic Seabee Installation
54	X	X				5/27/47	Bendix-Scintilla Magneto Model S6LN-21 as used on Franklin Engine Models 6A4-150-B3 and 6A4-165-B3 in Stinson Voyagers
57					X	9/21/53	Attachment of Fan and Starter Gear Assembly on Franklin Models 6A8-215-B8F and B9F as used in Seabee Installations
58					X	6/11/47	Checking Floating Oil Screen o Franklin Engines Model 6A8-215-B8F and B9F as used in Seabee Installations
59					X	9/22/53	Replacement of Float Type Oil Inlet Screen on Franklin Engines Model 6A8-215-B8F & B9F up to and Including Engine #24065
60					X	9/22/53	Conversion of Early Model 6A8-215-B8F Franklin Engines as used in the Seabee Installation to Incorporate the Floating Bearing Assembly at the Propeller End and Large Oil Pump and By-Pass Plate Assembly (2 pages)
61	X					10/27/47	Accelerator Pump Kit, Part No. A666-581, for Engines with the Marvel-Schebler MA-3-SPA Carburetor
62			X	X		9/15/53	Cover - Magneto Breaker, Incorporation of Moisture Drain Holes
63	X	X			X	12/10/47	Fuel Lubricating Oil as used in Franklin Engines

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	6A4-150-B3 & B31	6A4-165-B3	6V4-178-B32 & B33	6V4-200-C32 & C33	6A8-215-B8F & B9F		
64			X			1/29/48	Rocker Arm Pin Replacement in Fuel Pump as used on Model 6V4-178-B3 and B32 and O-335-3 Engines in Bell Helicopter Installation covering Fuel Pump Aircooled Motors, Inc. Part No. 17940, AC Part No. 1539096
65	X	X				9/22/53	Magneto Shock Absorber Drives on Franklin Engines Model 6A4-150-B3
66					X	6/14/48	Fuel Pumps, Aircooled Motors, Inc. Part #14876 and #14877 as used on Model 6A8-215-B8F and B9F Franklin Engines I the Republic Seabee Installation
67			X			9/22/53	Service Replacement Valve Springs Part #18658 and #18659 for Model 6V4-178-B3 and B32 Franklin Engine in Bell Helicopter Installation
68			X			8/27/48	Magneto Drive Assemblies as used on Franklin Engines Models 6V4-178-B3 and B2 and O-335-5 in Bell Helicopter Installation
69	X					9/22/53	Cylinders used on Model 6A4-150-B3 and B31 Engines in the Early 11,000 Serial Number Series on Stinson and Bellanca Installations
70	X	X	X			12/10/48	Ground Spring and Ground Wire Assembly as used on Bendix-Scintilla Magnetos Model S6RN-21 on Franklin Engines Model 6A4-150-B3 and 6A4-165-B3 in Stinson Installation and 6V4-178-B32 in Bell Helicopter Installation
71					X	9/22/53	Fuel Pumps and Drain Lines for Model 6A8-215-B8F and B9F Franklin Engines as used in Republic Seabee Installation
72	X		X			12/30/48	AC Fuel Pumps as used on Franklin Engines Models 6A4-150-B3 in the Bellanca Crusair and Model 6V4-178-B32 in the Bell Helicopter Installation

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	6A4-150-B3 & B31	6A4-165-B3	6V4-178-B32 & B33	6V4-200-C32 & C33	6A8-215-B8F & B9F		
75	X	X				12/30/48	Redesignation of Champion J-10 Commercial Aircraft Spark Plugs to AJ-66
78			X			9/23/53	Oil Pump Assembly for Model 6V4-178-B32 and B33 Engines as used in the Bell Helicopter Installation
79	X	X				2/23/50	Carburetor Distributor Zones as used on the Model 6A4-150 and 6A4-165 Franklin Aircraft Engines as Installed in Stinson and Bellanca Airplanes
86			X	X		11/1/51	Inspection of Oil Pump Gears on Franklin Model 6V4-178-B32, B33, 6V4-200-C32, O-335-2, YO-335-6 & O-335-6 Engines
87				X		5/19/52	Shotpeening of Cylinder Casting at Exhaust Port Area on Franklin Model 6V4-200-C32 and 6A4-200-C6
91	X	X	X	X		3/10/53	Magnaflux Acceptance Standard for Connecting Rods for the 6A4-150-B3, 6A4-165-B3 6V4-178-B32 & B33, 6V4-200-C32, 6A4-200-C6, O-335-2, O-335-3, O-335-4, YO-335-5, O-335-5 and O-335-6 Engines
92			X	X		3/10/53	Crankshaft Assembly for Franklin Models 6V4-178-B32, 6V4-178-B33, 6V4-200-C32, O-335-2, O-335-3, O-335-4, YO-335-5, O-335-5, O-335-5A and O-335-6 Engines
?	X	X				8/12/53	Replacement of Oil Cooler Hose Part No. 12369 as used on Franklin Model 6A4-150 and 6A4-165-B3 Engines
96	X	X	X	X	X	9/15/53	Connecting Rod Bolt Nut Torque Limit (2 pages)
97			X	X		9/15/53	Starting Motor - Incorporation of Moisture Drain Holes