



LOM PRAHA s.p.

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CZECH REPUBLIC

SERVICE BULLETIN No.

M332/85a	M337/96a
M332A/18a	M337A/17a
M332AK/17a	M337AK/14a
M132A/14a	M337AK.1/15a
M132AK/14a	
M137A/23a	
M137AZ/18a	

Refers to : Supplementary verification of airworthiness and issuance of authorized release certificate by an authorized person (form: JAA FORM ONE) for new or already used and repaired spare parts, assemblies, subassemblies and units (hereafter as: spare parts) for engines M337, M137, M332, M132 - all versions, for which no admissible documents confirming airworthiness have been issued, or which are doubtful.

The duty of the holders and owners of such spare parts is to have these spare parts verified and send them together with the original airworthiness document, if it exit, to the engine manufacturer LOM PRAHA s.p. (State Enterprise), or to a commercial entity, which is a holder of "Agreement with the Use of the Product in Civil Aviation".

Reason: To ensure a standard level of airworthiness, required regulations L8/A, JAR 21, JAR 145, including the related directives and documents for the above-mentioned engines by exclusion of use of spare parts without known origin (history) and make, or those that have been damaged in an air accident, those that are corroded, surface-damaged or those that were repaired - renovated by using processes not authorized by the engine manufacturer and The institute of Civil Aviation, or those that do not comply with the approved type.

Measures: 1. Introductory provision

As of January 1, 2002, spare part held nad used out of the premises of LOM PRAHA s.p. must be furnished with an authorized release certificate by issued an authorized person on JAA FORM ONE of the engine manufacturer LOM PRAHA s.p., or a corporate entity that is a holder of "Agreement with the Use of the Product in Civil Aviation". The spare parts must not be used in civil aviation without this certificate. Based on the above-mentioned reasons of compliance with the airworthiness requirements and operating reliability, all holders and owners of spare parts, for which no admissible document of airworthiness has been issued or such a document is doubtful, are obliget to send the spare parts according to the list contained in Item 5 for verification of their airworthiness to LOM PRAHA s.p. or to another corporate entity that is a holder of "Agreement with the Use of the Product in Civil Aviation".

Additionally the spare parts, the duty involves submission of JAA FORM ONE (if it exists), Certificate of Product Quality and Completeness (certificate) or Supplier's Checklist providing information on the spare parts regarding their origin, age and conservation and re-conservation times.

Additionally, the dispatched spare parts are to be accompanied by a list specifying the name, drawing No., number of pieces, exact address of the sender and person responsible for possible further negotiations.

LOM PRAHA s.p. or corporate entity that is a holder of "Agreement with the Use of the Product in Civil Aviation" verifies on these parts their airworthiness, conformity with the issued PZZ and service bulletins.

Spare parts, which origin (history) cannot be documented, are considered non-conforming as to their type and they must not be used in civil aviation if Item 3 is not complied with.

Caution:

Authorized release certificate may be issued for spare parts only by engine manufacturer LOM PRAHA s.p., which is a holder of type-certificates for the above-mentioned engine types, or by a holder of "Agreement with the Use of the Product in Civil Aviation".

All units will be tested, adjusted and sealed including filling-in and confirmation of the Unit Records (previously known as Unit Certificates), and JAA FORM ONE will be issued.

Note:

When filling in the JAA FORM ONE form, the authorized person writes the following text into block 13: "Remarks-Poznámky" - "An supplementary verification of airworthiness has been performed on the part/assembly/subassembly/ unit and JAA FORM ONE has been issued".

2. Conservation

Spare parts, which receive JAA FORM ONE certification will be conserved and wrapped for the period of three months, one year, two years, or five years - as per the requirement of the spare parts holder.

3. Renewal of airworthiness for repairable non-conforming spare parts as to their type

Repairable spare parts, which are non-conforming as to their type and thus will not receive JAA FORM ONE certification, will be returned to the owner with recommendation to repair and consequent issuance of release certificate JAA FORM ONE by an authorized person.

4. Non-conforming and irreparable spare parts

No JAA FORM ONE will be issued for non-conforming and irreparable spare parts. Such parts will be returned to their owner with a statement of status found and a designation specifying that they must not be used in aviation.

5. List of spare parts subject to verification of airworthiness (in alphabetical order of their names).

Ordinal number	Marking	Name	Note
1.	Sc 0669A	Air intake tube, assy - From supercharger	
2.	Sh 0690	Air intake tube, assy - From supercharger	
3.	705-1110	Air regulating valve subassy	
4.	Sc 5389	Ball bearing, special	
5.	Sc 2315	Bearing brass, bipartite-Connecting rod	
6.	FAG6211MAP6F10A	Bell bearing, radial axial	ZKL6211MAP59
7.	Sc 3750	Bevel gear wheel camshaft	
8.	Sc 7412	Bevel gear wheel - Magneto drive	
9.	Sc 1015	Brass shell, bipartite - Crankshaft and main bearing	
10.	Sc 1016	Brass shell, bipartite - Crankshaft and middle bearing	
11.	Sc 0754	Cable harness,RH,assy-type PAL	
12.	Sh 0754	Cable harness,RH,assy-type PAL	
13.	Sc 0755	Cable harness,LH,assy-type PAL	
14.	Sc 0755A	Cable harness,LH,assy-type PAL	
15.	Sh 0755	Cable harness,LH,assy-type PAL	
16.	Sh 0755AK	Cable harness,LH,assy-type PAL	
17.	Sc 0321	Camshaft assy - for four cylinder	
18.	Sh 0321	Camshaft assy - for six cylinder	
19.	Sc 0304	Camshaft housing, rear part, c/w undetachable parts	
20.	Sc 3216	Carrier - Fuel injection pump	
21.	Sc 2515	Circlip (locking ring) - Gudgeon ring	
22.	Sc 2330	Clamping bolt - Connecting rod big bearing	
23.	6-2860-03/4	Compression ring	Sc 2520
24.	Sh 0232	Connecting rod subassy c/w bearing brass cover	
25.	Sc 1541	Countershaft bevel gear	
26.	Sc 1539	Countershaft gear	
27.	Sc 0377	Coupling assy - Vertical shafts	
28.	Sc 3772	Coupling - Vertical shafts	

Ordinal number	Marking	Name	Note
29.	Sc 0201	Crankshaft	
30.	Sc 0201 C	Crankshaft	
31.	Sc 0201 D	Crankshaft	
32.	Sh 0201	Crankshaft	
33.	Sh 0201AK	Crankshaft	
34.	Sc 2030	Crankshaft gear	
35.	Sc 2031	Crankshaft gear	
36.	Sc 0103	Crankshaft gear assy, central	
37.	Sc 2606	Cylinder	
38.	Sc 0275	Cylinder head assy	
39.	Sh 0291	Cylinder head assy (adapted for metering the engine oper.temperature)	
40.	Sh 0276	Cylinder head c/w undetachable parts	
41.	Sh 0292	Cylinder head c/w undetachable parts	
42.	Sc 0546	Damper assy - Supercharger clutch	
43.	LUN 2111	D.C.Generator	
44.	Sc 0596	Drum-shaped internal gear ring assy	
45.	LUN 2253	Electric starter motor-c'c'wise	
46.	LUN 2254	Electric starter motor-c'wise	
47.	Sc 0100	Engine crankase	
48.	Sc 0100 A	Engine crankase	
49.	Sc 0100 B	Engine crankase	
50.	Sc 0100 C	Engine crankase	
51.	Sh 0100	Engine crankase	
52.	Sh 0100 A	Engine crankase	
53.	Sh 0100 AK	Engine crankase	
54.	Sh 0100 B	Engine crankase	
55.	Sh 0100 C	Engine crankase	
56.	Sc 0150 A	Engine crankase c/w cover	
57.	Sc 0150 B	Engine crankase c/w cover	
58.	Sc 0150 C	Engine crankase c/w cover	
59.	Sc 0150 D	Engine crankase c/w cover	
60.	Sc 0574	Engine starter assy	
61.	P 2131	Engine starter assy	
62.	Sc 0277	Exhaust valve assy	
63.	Sh 0654	Extension piece (adapter) assy	

Ordinal number	Marking	Name	Note
64.	Sh 0687	Extension piece (adapter) assy	
65.	Si 0670	Extension piece (adapter) assy	
66.	Si 0688	Front part assy - Air intake manifold	
67.	Sc 0701A, Sc 0701	Fuel injection pipe assy - 1st cylinder	
68.	Sc 0702A, Sc 0702	Fuel injection pipe assy - 2nd cylinder	
69.	Sc 0703A, Sc 0703	Fuel injection pipe assy - 3rd cylinder	
70.	Sc 0704A, Sc 0704	Fuel injection pipe assy - 4th cylinder	
71.	Sh 0701	Fuel injection pipe assy - 1st cylinder	
72.	Sh 0702	Fuel injection pipe assy - 2nd cylinder	
73.	Sh 0703	Fuel injection pipe assy - 3rd cylinder	
74.	Sh 0704	Fuel injection pipe assy - 4th cylinder	
75.	Sh 0705	Fuel injection pipe assy - 5 th cylinder	
76.	Sh 0706	Fuel injection pipe assy - 6 th cylinder	
77.	Sc 0165	Gear set (pair of gears)	
78.	Sh 0166	Gear set (pair of gears)	
79.	Sc 2510	Gudgeon pin	
80.	Sc 2714	Guide - Exhaust valve	
81.	Sc 2712	Guide - Intake valve	
82.	V506-0001	Hex.nut - Propeller flange fixing	
83.	P 6121A	Hydraulic pump	
84.	Sc 0744	Ignition magneto, assy - model PAL, for four cylinder	
85.	Sh 0744	Ignition magneto, assy - model PAL, for six cylinder	
86.	LUN 2225	Ignition magneto, shielded - model PAL, for four cylinder	
87.	LUN 2221.13	Ignition magneto, shielded - model PAL, for six cylinder	
88.	Sc 5354	Impeller - Supercharger	
89.	Sc 2733	Intake valve	
90.	Sc 9107	Intermediate gear wheel - D.C.Generator drive	
91.	Sc 3219	Locking pin	
92.	Yc 070	Nozzle(injector) assy - Fuel Injection	
93.	Sc 3751	Nut - Bevel gear fixing to camshaft	
94.	Sh 0014	Oil collector assy	

Ordinal number	Marking	Name	Note
95.	Sh 0141	Oil collector c/w undetachable parts	
96.	Sh 0059	Oil pump assy	
97.	Sc 0060	Oil pump assy	
98.	Sh 0060	Oil pump assy	
99.	Sh 0060 AK	Oil pump assy	
100.	Sc 0917	Pinion assy - D.C.Generator drive	
101.	Sh 0971	Pipe assy, bottom part - Oil suction	
102.	Sc 0622	Pipe assy - Delivery oil	
103.	Sh 0622	Pipe assy - Delivery oil	
104.	Sh 0622AK	Pipe assy - Delivery oil	
105.	Sc 0626	Pipe - Delivery oil, top part	
106.	Sc 0621	Pipe assy - Suction oil	
107.	Sh 0972	Pipe assy, top part - Oil suction	
108.	Sh 0973	Pipe assy, top part - Oil suction	
109.	Sh 2503	Piston	
110.	Sh 0401	Propeller flange assy	
111.	LUN 5150	Pump assy - Fuel injection	
112.	LUN 5150.01	Pump assy - Fuel injection	
113.	LUN 5150.03	Pump assy - Fuel injection	
114.	LUN 5151	Pump assy - Fuel injection	
115.	LUN 5151.02	Pump assy - Fuel injection	
116.	LUN 5151.03	Pump assy - Fuel injection	
117.	LUN 5152	Pump assy - Fuel injection	
118.	Sc 0662	Rear part assy - Air intake manifold	
119.	Sh 0644AK	Rear part assy - Air intake manifold	
120.	Sh 0644	Rear part assy - Air intake manifold	
121.	Sh 0688AK	Rear part assy - Air intake manifold	
122.	Sh 0693	Rear part assy - Air intake manifold	
123.	LUN 2141	Regulation relay	
124.	Sc 3730	Rocker arm shaft - Valve	
125.	Sc 3721	Rocker arm - Valve	
126.	Sc 5331	Satellite gear - Supercharger gear	
127.	7-2860-01/4	Scraper ring - lower	Sc 2526
128.	7-2860-02/4	Scraper ring - upper	Sc 2525
129.	Sc 2711	Seat - Exhaust valve	

Ordinal number	Marking	Name	Note
130.	Sc 2710	Seat - Intake valve	
131.	Sc 6062	Shaft - Oil pump	
132.	Sc 5334	Shaft - Supercharger impeller driving	
133.	Sc 2021	Slotted nut - Thrust bearing fixing	
134.	PAL L 22.62	Sparking plug, shielded	
135.	Sh 1025	Stud bolt - Cylinder heat fixing	
136.	Sh 1025R	Stud bolt - Cylinder heat fixing special	
137.	Sc 1537	Stud -Coutershaft gear	
138.	Sh 1590	Stud -Coutershaft gear,RH	
139.	Sc 0577	Supercharger assy (with out starter)	
140.	Sc 0055A	Supercharger c/w starter assy	
141.	705-1000	Valve - Altitude mixture control	
142.	705-1000A	Valve - Altitude mixture control	
143.	Sc 0670	Valve assy - excess fuel draining	
144.	Sc 2726	Valve spring, inner	
145.	Sc 2727	Valve spring, outer	
146.	Sh 0148	Vertical shaft assy, top	
147.	Sh 1421	Vertical shaft, middle part	
148.	Sc 3757	Vertical shaft - short	
149.	Sc 0555	Worm assy - Starter	

6. Rubber parts

As a rule, rubber parts, gaskets made of asbestos-polymer and non-asbestos boards are not submitted to verification of their airworthiness and if it is not possible to prove their origin and age by JAA FORM ONE certificate, they are considered to be non-conforming and must not be used in aviation.

Measures to be completed

1. Duty to submit spare parts specified in Item 5 of this bulletin to verify their airworthiness holds well for all holders and owners of spare parts for all versions of engines M337, M137, M332, M132.
2. LOM PRAHA s.p., or entity that is a holder of "Agreement with the Use of the Product in Civil Aviation" performs verification of airworthiness of the submitted spare parts based on a concluded commercial contract.

Costs:

Costs to paid holders and owners of spare parts for all versions of engines M337, M137, M332, M132.

Validity: This bulletin becomes effective as of the date of issue, i.e. January 1, 2002

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