

## INFORMATION BULLETIN No.: LOM-IB-08b/2015

*Concerning:* Operators of in-line engines – M 132, M 137, M 332, and M 337 of all versions and organisations approved for the maintenance of the engines according to the PART-145 regulation.

*Reason:* Introduction of innovated spark plugs L 22.62A2 for the above-mentioned engines. The spark plugs L22.62A2 have successfully been tested in the ground as well as flight trials.  
The production of the original plugs L22.62A has been terminated.

*Measure:* Brief description of L22.62A2 plugs and ordering  
The aircraft spark plugs L22.62A2 are the innovated spark plugs L22.62A, which have got two lateral electrodes (marking A2). The spark plugs have 19 hexagon, M12x1.25 thread into the cylinder head. The connection to the cable platform using M14x1 thread is not changed. The others dimension are identical.  
For mounting and dismounting the L22.62A2 plugs, identical universal-joint wrench p/n Sc 0878 is designed and orders for it can be placed with LOM PRAHA s.p. Sealing washer mounted under the plug, part number: 443 942 001 006, are supplied with each new plug as well as separately.  
The L22.62A2 spark plugs can be initially ordered from LOM PRAHA s.p. only, including the EASA F1 certificate. Any other potential distributor must supply a copy of original EASA F1 certificate issued by LOM PRAHA s.p. with the plugs.

### Adjustment of engines, useful life of plugs and maintenance

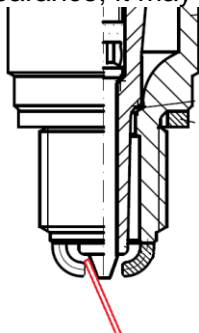
The properties of engines, engines setting, and prescribed speed drop when switching over to one magneto M1 and M2 do not change.

When planning the consumption of L22.62A2 plugs, an average useful life of 150 hours under normal operation recommend be allowed for. This useful life has been proved itself in air traffic. When using Avgas 100LL fuel, during training, towing, acrobatic and combined operations, the useful life of the plugs may be shorter.

The useful life of spark plugs depends also on their maintenance.

The distance of electrodes for the new plugs is  $0.5 \pm 0.05$  mm. It is measured with a wire gauge.

Electrode clearance 0.85 mm is considered as wear. Do not adjust the electrode clearance; it may cause damage the central spark plug electrode.



Wire gauge

Interchangeability

In the event that plugs of the engines in operation need to be replaced, we recommend to replace the original plugs L22.62A with the L22.62A2 plugs in the whole engine or the whole row of plugs (in the case of the transition period of the use of both L22.62A and L22.62A2 plugs).

We do not expect the replacement of individual plugs.

Storage and assembly

The spark plugs storage and assembly perform according to service letter No. 0007/2012/R1.

*Expenses:* To be covered by the operator.

*Effective date:* On the date of issue.

*Prague, date:* 5. 3. 2015

*Approved by:*

Petr Prokop, MBA, m. p.

Head of design organization

The technical content of this document is approved under the authority of DOA ref EASA.21J.306.