



MANDATORY
SERVICE BULLETIN

No. 0007

DATE: 6TH November 2017

**58 KEMP STREET
KILBIRNIE, WELLINGTON 6022, NZ.**

SUBJECT: RAF 4a Engine Inlet Valve Rods P/n W2R1606-0006.

MODELS AFFECTED: Serial Numbers Affected:
RAF 4a Engines. All.
Made by TVAL.

COMPLIANCE TIME: At 25hrs TIS, or earlier if desired.

BACKGROUND: The Vintage Aviator has found that these inlet valve rods (Batches 6414 and 9975) were hardened all over, rather than just the base and as a result may crack through the adjustment thread area.

PURPOSE: This bulletin introduces a one off replacement of the affected parts with new items.

COMPLIANCE: Upon reaching 25hrs TIS, the inlet valve rods must be replaced.

INSTRUCTIONS:

1. Remove engine air scoop.
2. Remove spark plugs and intake manifold assembly.
3. Remove inlet/exhaust valve rod guide bridges, and then remove inlet rod guides from crankcase with inlet valve rods.
4. Destroy old inlet valve rods and fit new parts ensuring that they are well lubricated.
5. Reassemble all engine parts removed.
6. Adjust valve clearances to 0.010" inlet and exhaust.
7. Refit air scoop, and perform an engine ground run.
8. Make a logbook entry indicating compliance with this Service Bulletin.

PARTS SUPPLIER: The Vintage Aviator Ltd.