

## Alpha HR200 Series and R2000 Series Aircraft

Issued by the Civil Aviation Authority of New Zealand in accordance with section 72I(3A) of the Civil Aviation Act. An Airworthiness Directive (AD) contains regulatory information which is mandatory. An operator of an aircraft must not operate the aircraft unless the operator complies with every applicable AD issued by the Director in accordance with section 72I(3A) of the Civil Aviation Act. An AD is issued where the Director believes on reasonable grounds that an unsafe condition exists in an aircraft or aeronautical product.

### DCA/R2000/40 Oil Lines – Replacement

- Applicability:** Group 1 aircraft:  
Model HR 200/100, HR 200/100S, HR 200/120, HR 200/120B and HR 200/160 aircraft, S/Ns 001 through to 375 excluding 347, 363 through to 368 and 371 through to 374.  
Model R 2100, R 2100 A, R 2112, R 2120 U, R 2160, R 2160 D and R 2160 I aircraft, S/Ns 001 through to 375 excluding 347, 363 through to 368 and 371 through to 374.
- Group 2 aircraft:  
Model R2000 series aircraft, S/N 001 through to 378.  
Model HR200 series aircraft, all S/N.
- Requirement:** To correct oil lines which are not compliant with the requirement of FAR 23.1183, accomplish the following:
- For group 1 aircraft:  
Replace the oil lines P/N 41-23-56-000, 53-11-10-000, 53-20-13-000, 53-20-14-000 and 53-34-10-010 with fire resistant lines per the instructions in Apex Aircraft Service Bulletin No. 020310 dated 3 June 2002 or later approved revisions.
  - For group 1 aircraft:  
Oil lines with P/N 41-23-56-000, 53-11-10-000, 53-20-13-000, 53-20-14-000 or 53-34-10-010 may not be fitted to any aircraft.
  - For group 2 aircraft:  
Replace the oil pressure transducer hose and associated hardware per the instructions in Alpha Aviation Service Bulletin No. AA-SB-79-001 dated February 2012 or later approved revisions.
  - For group 2 aircraft:  
Oil lines with P/N 53-18-02-030, 53-21-14-000 or 53-22-01-000 may not be fitted to any aircraft.  
(Apex Aircraft SB No. 020310 and Alpha Aviation SB No. AA-SB-79-001 refer)
- Compliance:**
- Within six months after 29 June 2006 (the effective date of DCA/R2000/34), unless previously accomplished.
  - From 29 June 2006 (the effective date of DCA/R2000/34).
  - Within the next 50 hours TIS or by 30 April 2012 whichever occurs sooner.
  - From 23 February 2012.
- Effective Date:** 23 February 2012
- Background:** It has been determined that the oil lines fitted to affected aircraft are not fire resistant and not compliant with the requirements in FAR 23.1183. To correct this unsafe condition the Civil Aviation Authority of New Zealand issued DCA/R2000/34 requiring the replacement of oil lines with fire resistant lines. Since the issue of that AD it has been determined that the oil transmitter hoses are also not compliant with FAR 23.1183. DCA/R2000/40 retains the requirements in superseded DCA/R2000/34. The AD requirement expanded to include the replacement of the oil pressure transducer hoses.



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