

## SAFETY REGULATION GROUP

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### LETTER TO OWNERS/OPERATORS NO 2070 ROLLS-ROYCE AVON MK 122 SERIES ENGINES FITTED ON HAWKER HUNTER AIRCRAFT USE OF THE HPPIS ('ISOLATE' SYSTEM)

This Letter to Owners/Operators is issued to ensure that operators are aware of the appropriate warnings which should be incorporated in aircrew manuals and flight reference cards associated with the use of the HPPIS ('Isolate' system) on Hawker Hunter aircraft powered by Rolls-Royce Avon Mk 122 Series engines.

Experience has shown that incorrect use of this system can lead to severe over temperature and failure of the turbine and it is therefore appropriate that the pilot's attention is drawn to the importance of the correct use of the system.

The exact position of these warnings in aircraft documentation will vary from mark to mark. Appropriate warnings are considered to be in:

- 1) Flight Reference Cards (Relating to Engine Failures): '**Warning**: If the HP pump isolating switch is set to ISOLATE when the throttle is in any position other than closed, over fuelling is likely to cause surge and overheating and may lead to engine failure.'
- 2) Aircrew Manuals/Pilots Notes (In the description and management of engine systems): '**Warning**: To avoid overfuelling, the throttle must be closed before selecting ISOLATE. The BPC and ACU are ineffective with ISOLATE selected; all throttle movements must be made with care to avoid the possibility of engine surge or excessive JPT.'

Amendments to introduce this wording were introduced on active marks in 1984. Operators should ensure that the above wording is included in the appropriate sections of the Flight Reference Cards and Pilot's Notes. Any notes being used which do not include these amendments should be altered.

Any instructions which refer to use of the HP pump isolation switch but which do not stress the need to close the throttle before switch selection should be replaced with the appropriate warnings above.

Enquiries regarding this LTO should be referred to Mr J Ruff, Propulsion Department (Telephone No 01293 573074) at the above address.

**R J TEW**

Applications and Certification Section