

Rolls Royce Turbine Engines - Viper Series

AD/VIPER/9

Engine Centre Section

9/90

Applicability: Viper Mk 601-22 and Viper Mk 520, 521 and 522 engines.

Requirement: Inspect engine compressor casing/centre section joint flange in accordance with and as applicable:

Rolls Royce Viper Mk 601-22 Service Bulletin No 72-A173; or

Rolls Royce Viper Mk 520, 521, and 522 Service Bulletin No 72-A388.

Compliance: (1) Engines in service - Prior to 6 August 1990.

(2) Uninstalled engines - Prior to installation in an aircraft.

Background: Investigation of an engine established that the compressor casing/centre section joint had parted at the top, causing heavy bending loads on the turbine mainshaft causing spline failure. Parting of the compressor casing/centre section has been attributed to thermal stress pulling fastener inserts from the centre section.