

Pressure Regulator, A105939 (Continued)

- o The pressure regulator body and filter are constructed of 300 series SST, the seats are KEL-F-81, the O-rings are made of a fluorocarbon elastomer, and the seals are per MIL, AMS or NAS.

Test/Inspection:

- o File VI verifies the following:
 - Functional operation of the primary purge prior to each launch and at component replacement. The purge is verified via pressure switch indication and must satisfy a temperature specification after heater activation.
 - Functional operation of the redundant purge prior to each launch and at component replacement. The purge must satisfy a purge pressure specification.
- o The manufacturer's certification test requirements included the following tests:
 - Proof
 - Leak
 - Functional
- o Drawing 79K12402 Requirements:
- o The regulator will be functionally tested by LPS with each use.
- o This drawing requires that the component be tested annually and at component replacement. Test is a creepage test.

Failure History:

- o PRACA - There were 6 Problem Reports for this type component found in the PRACA Data Base.
No failures found in the critical failure mode.
- o GIDEP - The GIDEP Failure Data Interchange System has been researched, and no data on this component was found.

