



SAA09HS01-001  
REV. C  
B/L: 16.00  
SYS: SRB HYDRAULICS  
MAY 12 1988

CR 540207G

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Valve, Ball, Solenoid, (Continued)

Design (Continued)

- o Normally open valve is closed by pneumatic pressure when solenoid is energized and returns to open position when solenoid is de-energized.

Test:

- o Manufacturer's Certification Tests
  - Proof
  - Leak
  - Electrical
- o System Validation Test OMI B1037 performs functional check of valve. Audible purge at the base of each SRB through this valve is an OMRSD, File VI requirement for each flow.

Inspection:

- o None

Failure History:

- o No failure reports were found for this item in the GIDEP and PRACA data bases.

Operational Use:

- o Valve position is indicated by position switch and downstream pressure transducer A126583 would indicate loss of pressure if valve failed closed. The valve is used in the de-energized normally open mode during the performance of the critical purge function for 15 minutes prior to launch. There is also an override command to return the valve to the de-energized normally open mode if the valve has been inadvertently closed and cannot be reopened by de-energizing the close command.