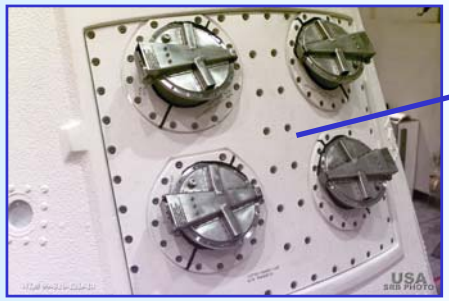
# SRB Return to Flight Activities

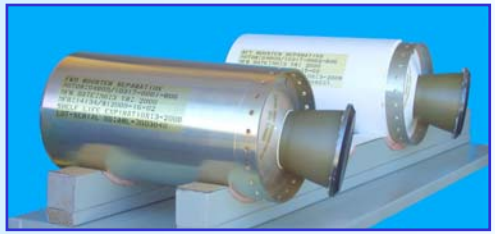
David M. Martin

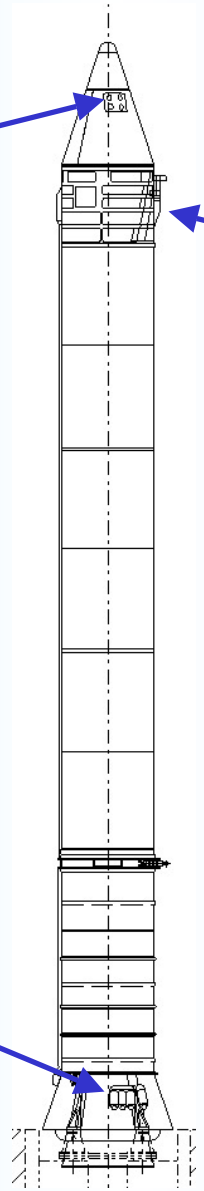
Solid Rocket Booster Project Manager

# SOLID ROCKET BOOSTER RETURN TO FLIGHT ACTIVITIES

Forward Booster Separation Motors (BSMs)





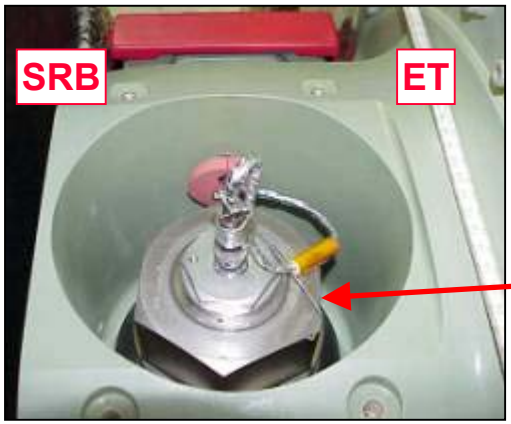


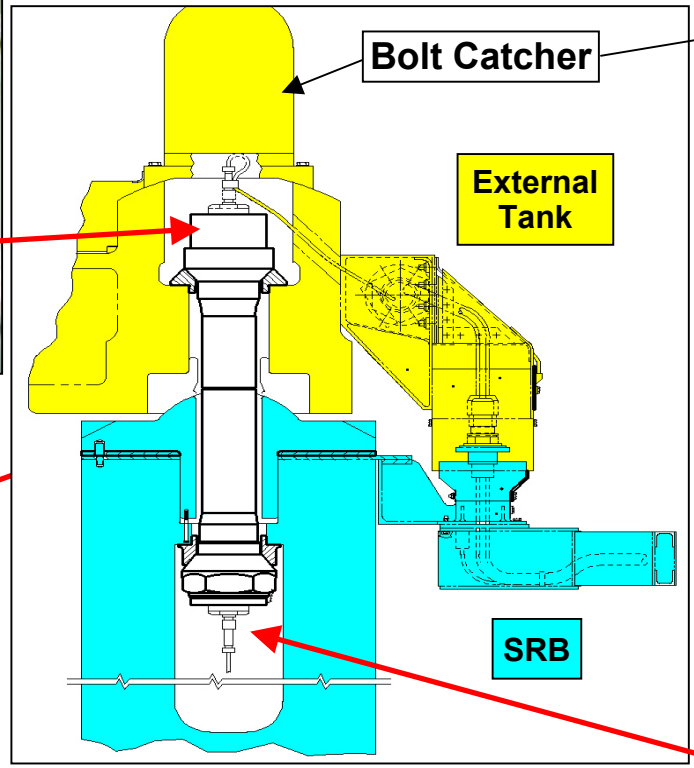
Solid Rocket Booster (SRB) Attach Point

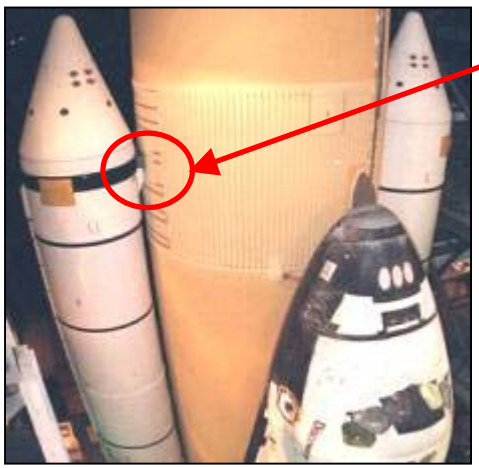
Aft BSMs

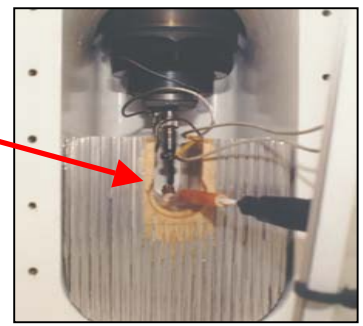
SRB/External Tank Forward Interface

# BOLT CATCHER ASSEMBLY



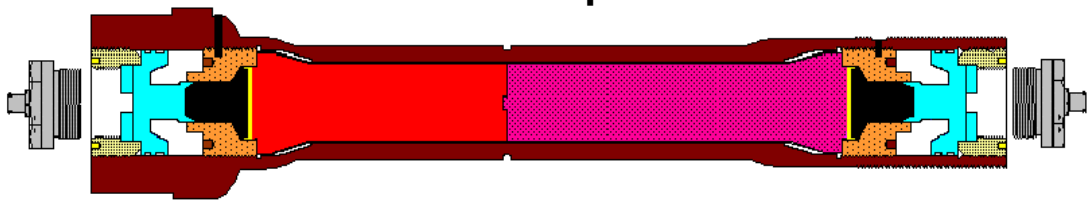




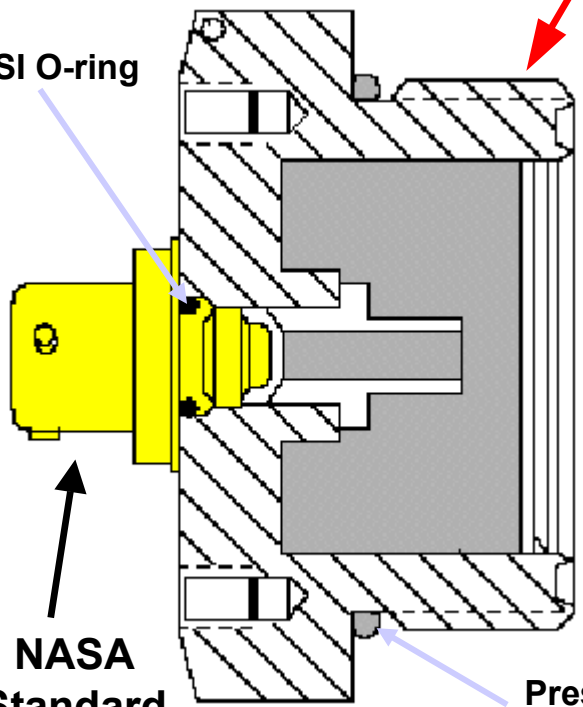
ET/SRB Forward Attach Area

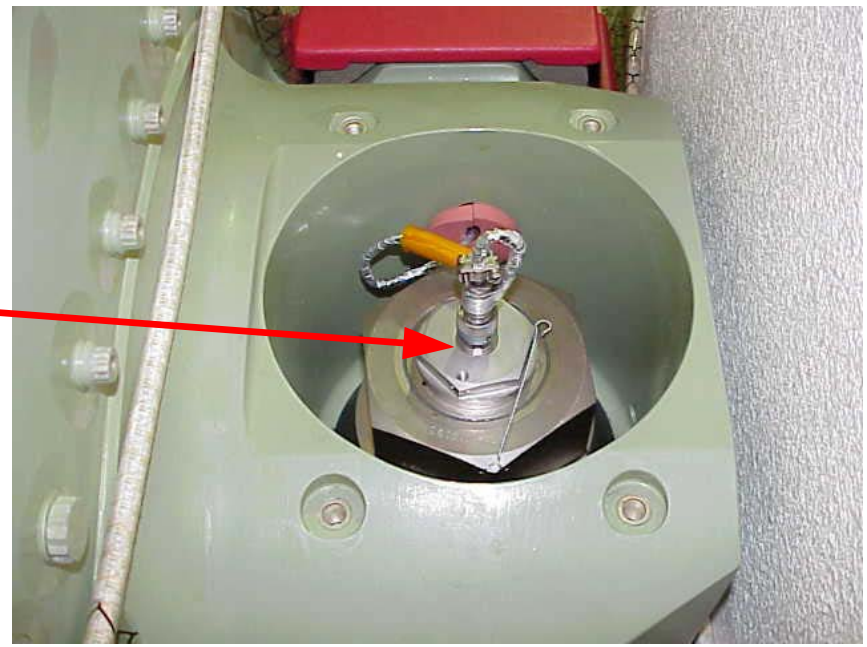
# NASA STANDARD INITIATOR PRESSURE CARTRIDGE

Forward Separation Bolt

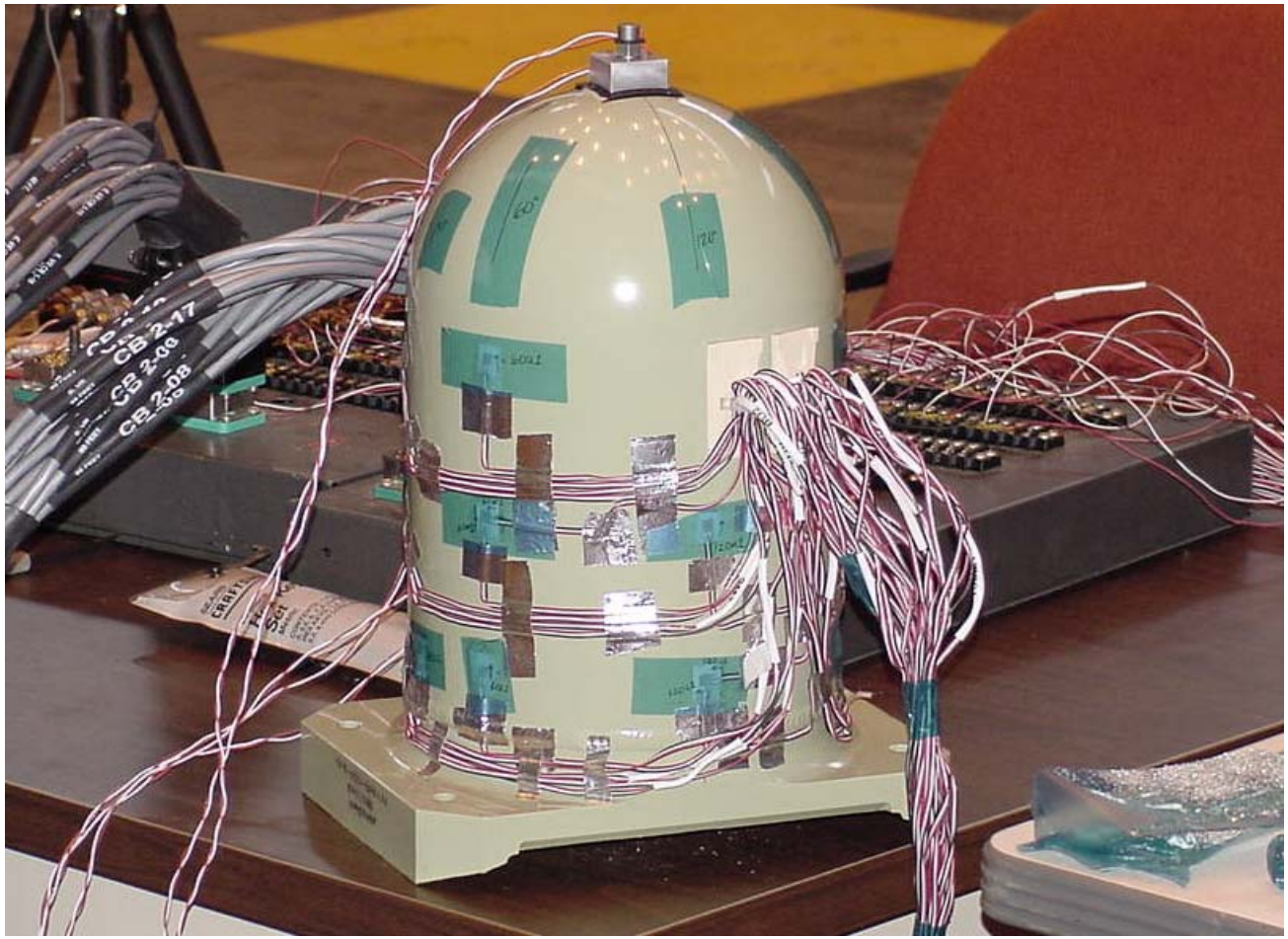


Pressure Cartridge



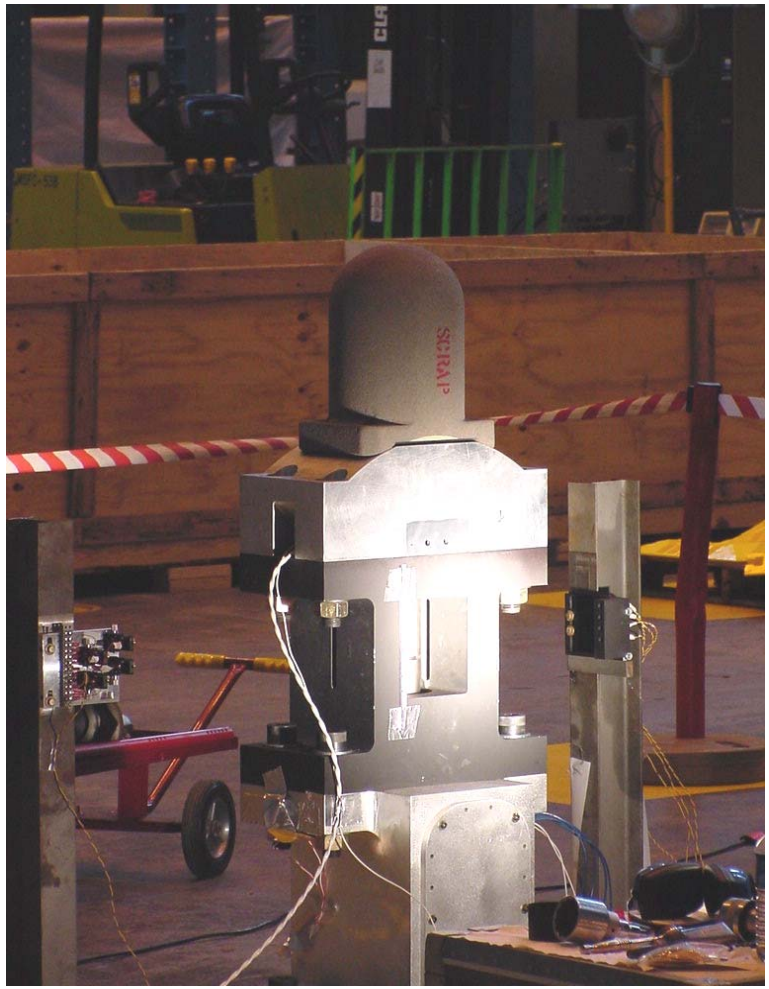



# INSTRUMENTED BOLT CATCHER



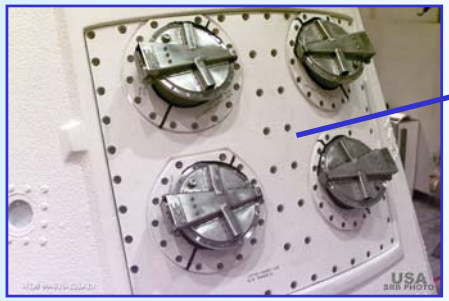
# DROP TEST FIXTURE

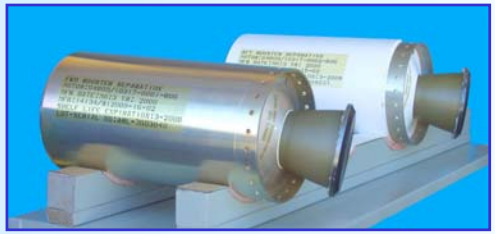
# BOLT CATCHER ON FIRING FIXTURE

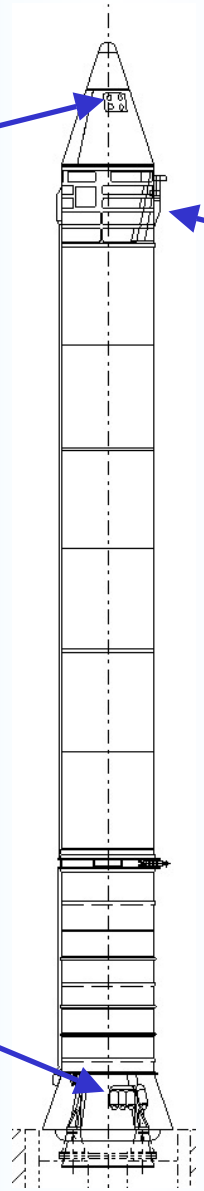


# SOLID ROCKET BOOSTER RETURN TO FLIGHT ACTIVITIES

Forward Booster Separation Motors (BSMs)







Solid Rocket Booster (SRB) Attach Point

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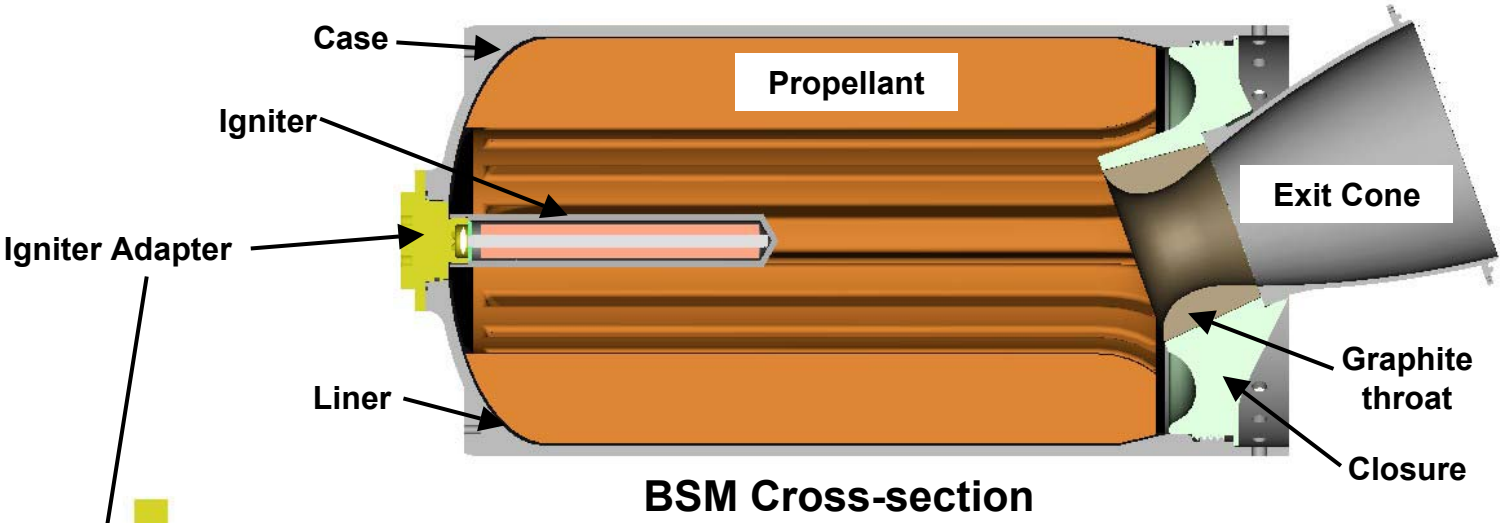
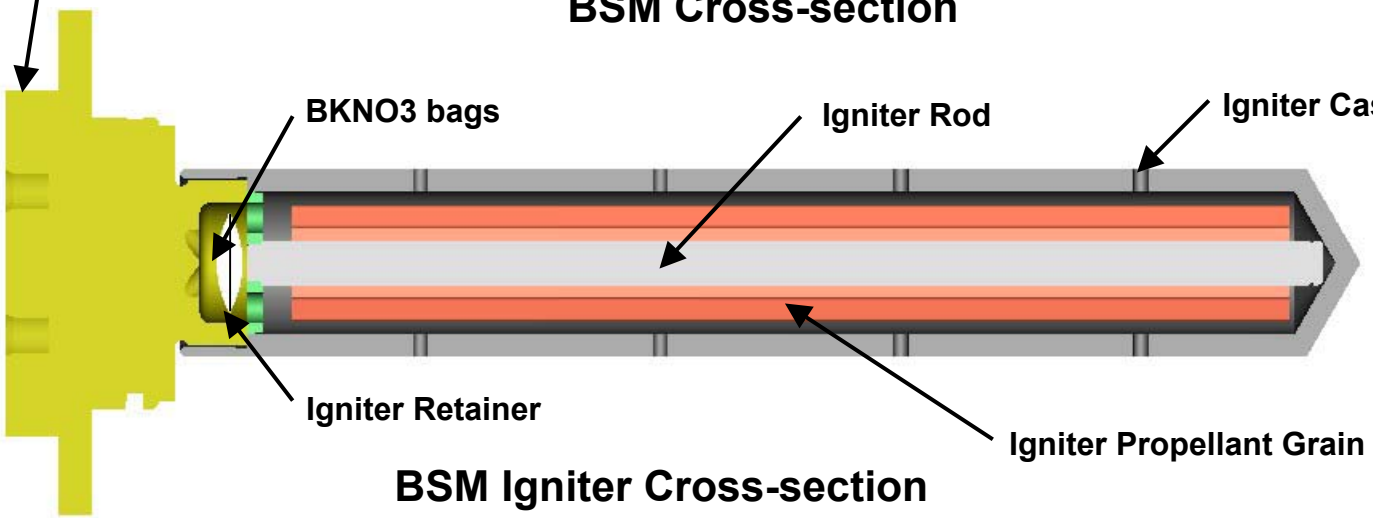
# BOOSTER SEPARATION MOTOR IGNITER

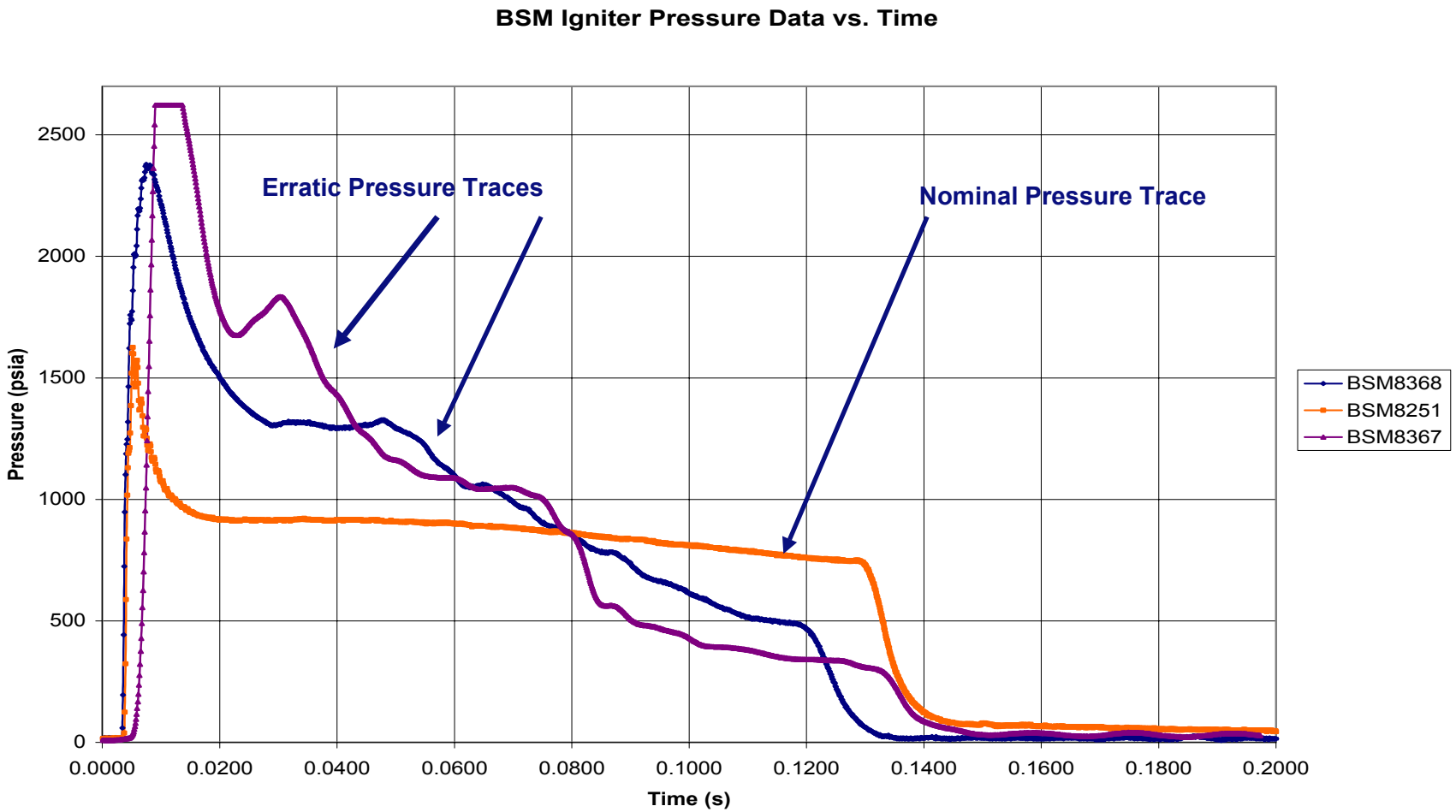


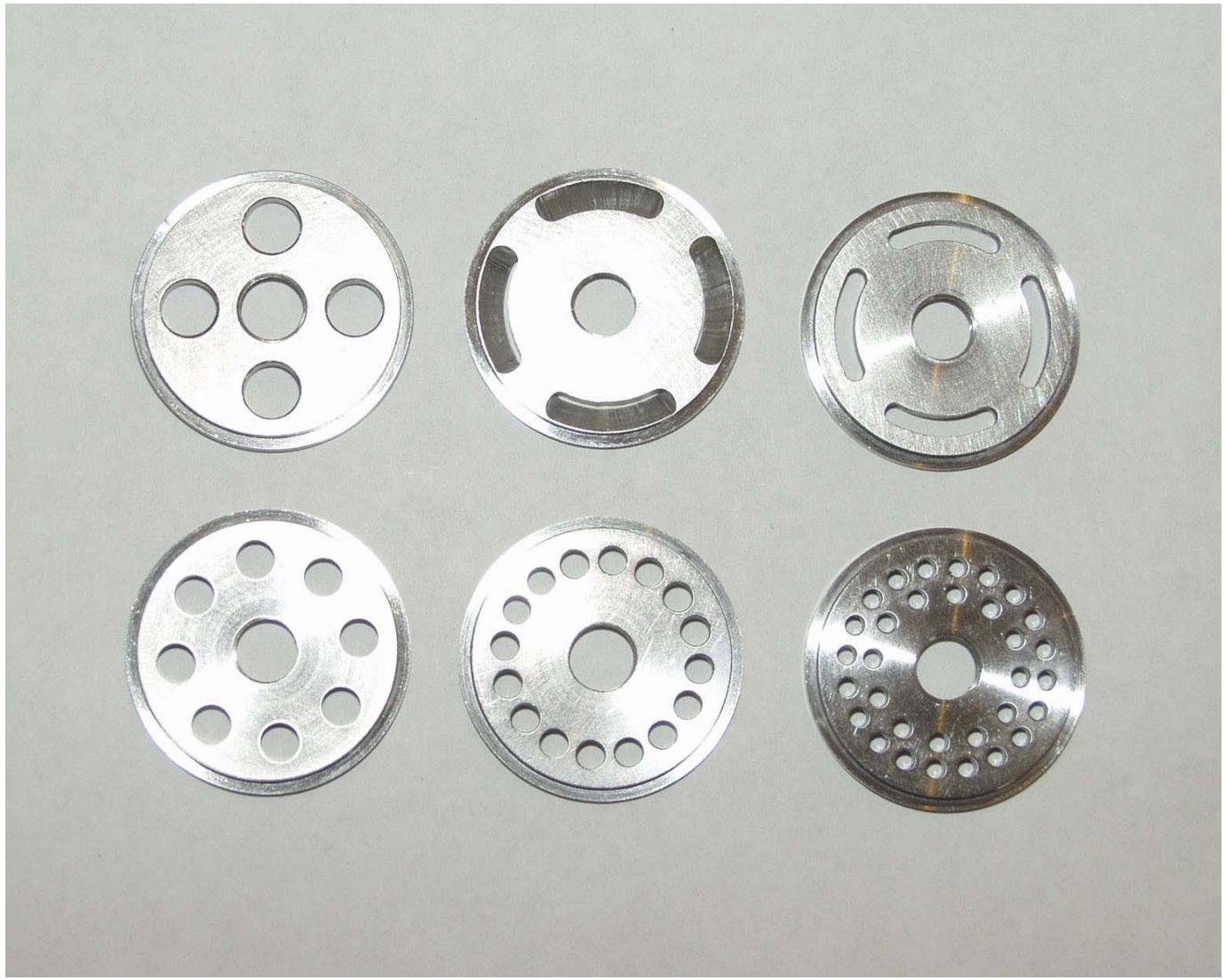

BSM Cross-section




BSM Igniter Cross-section

# BSM IGNITER ERRATIC PRESSURE ISSUE



# IGNITER GRAIN BEVEL

# IGNITER RETAINER DESIGNS