



**Aerospace  
Systems Division**

Grenade Launch Tests of the ASE  
Vertical Sensor Assembly

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PAGE 1	OF 1
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The ASE vertical sensor design has successfully withstood the environments caused by the launching of grenades from a GLA. This was accomplished by mechanically installing a Vertical Sensor and PC Board Assembly (2338506) in S/N 9 GLA of the Space Ordnance System's (SOS) Design Verification Test (DVT) program. The sensor assembly was installed per 2338507 with the exception of the electrical connection, which was omitted because of the lack of provisions for this connection in S/N 9 GLA. Performance curves were obtained on the sensor assembly prior to being installed in the GLA and comparison of these curves with similar data taken subsequent to the tests indicated that there is no detrimental affects on the vertical sensor assembly from the grenade launch environment. The lack of the electrical connection between the sensor assembly and the GLA did not compromise the intent of this test, since the sensors, in actual use, are only operated prior to, between, and subsequent to the grenade launchings and not during the period of the actual grenade firing.

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