

Initially the B54-0 was visually inspected, new grease applied to the O-rings of the MCI466 Lock Secured Cover and Dial Cover (see Figure 3), and the unit weighed. The recorded weight was 57.0 pounds. The SADM was then submerged in water in the 18-inch portable hydrostatic pressure tank and subjected to an external pressure of 24 psig for six hours. A bottle of compressed nitrogen was used to pressurize the hydrostatic tank for this test (see Figure 1).

Following completion of this test the SADM was removed from the pressure tank, the external surface of the unit dried, and the unit weighed. The weight of the unit was as initially weighed. The Dial Cover and MCI466 Cover were then removed and the unit visually inspected. This inspection showed that no water existed under the Dial Cover or MCI466 Cover during the environment.

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Enclosures: Figs. 1-3

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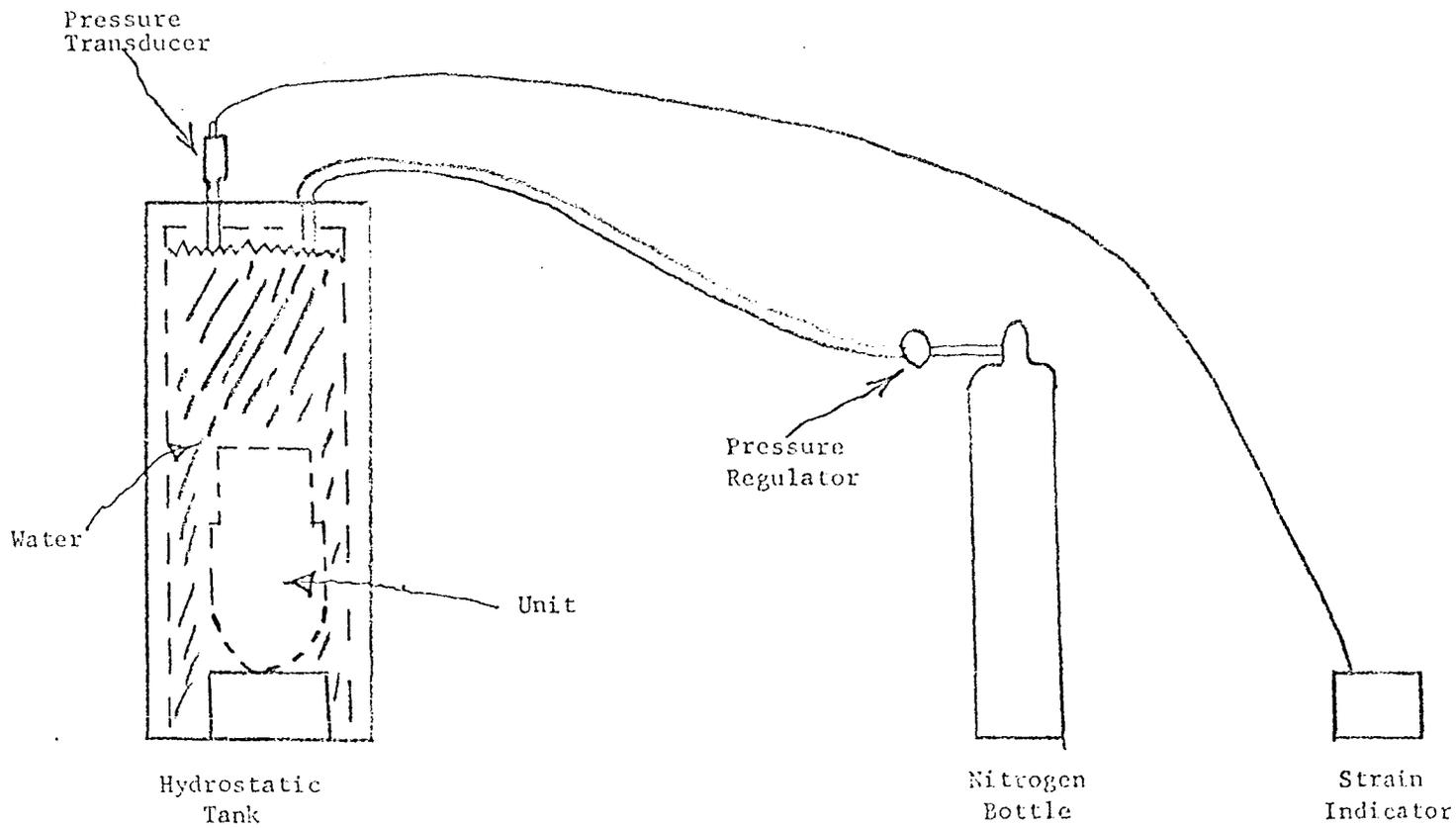


Figure 1

Diagram of the Test Setup Used for the Hydrostatic Pressure Test of the Bare B54-0 (SADM) Unit "q"

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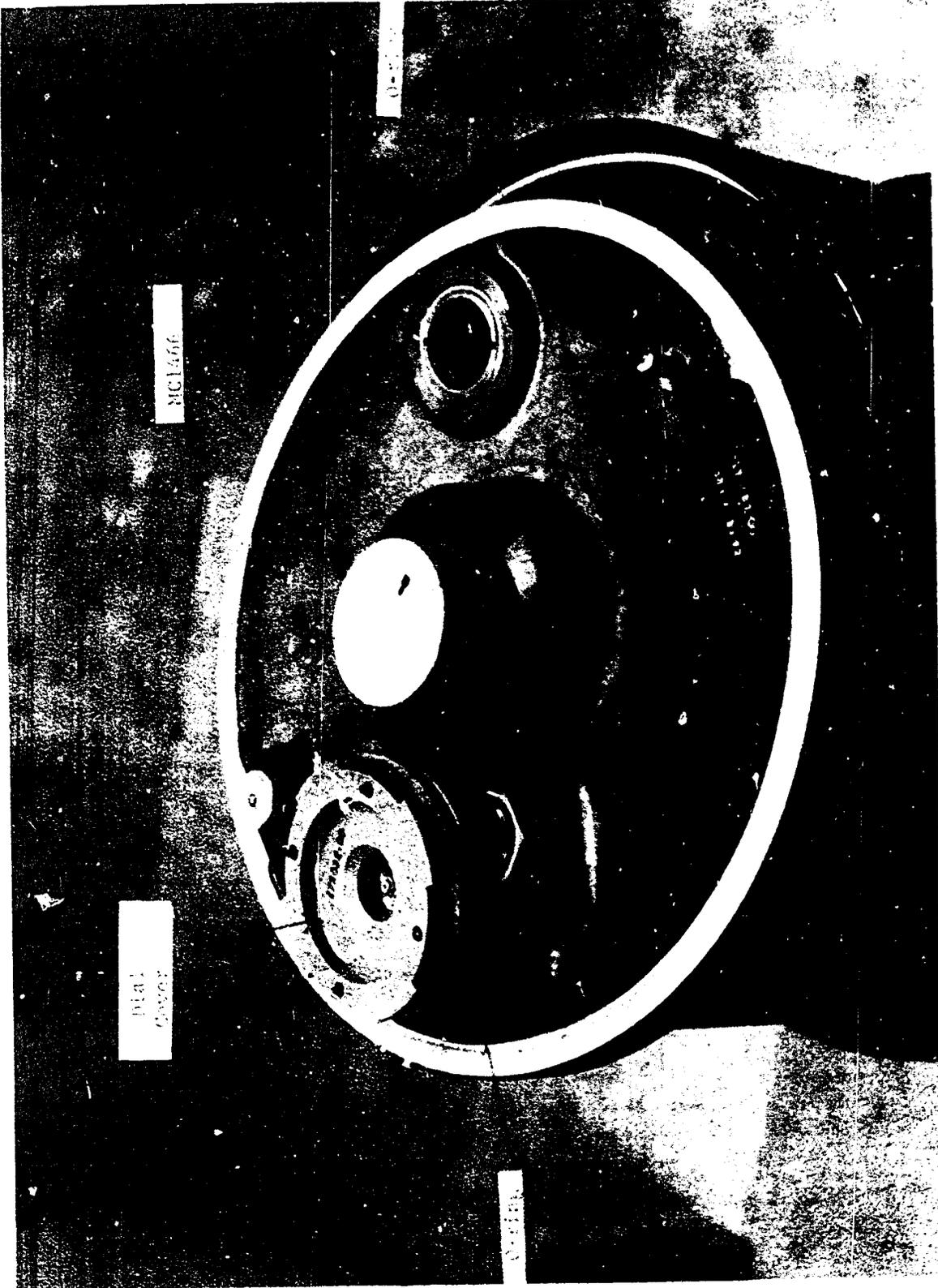
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