

TESTING FOR MANNED MISSION CONFIDENCE

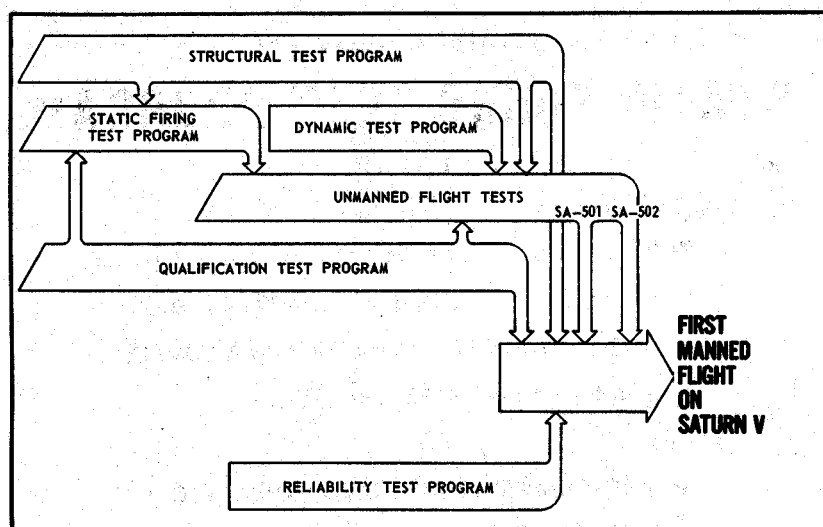


FIGURE 10

STRUCTURAL TEST PROGRAM

OBJECTIVE:

- VERIFY THE CAPABILITY OF THE STAGE STRUCTURE TO WITHSTAND THE MAXIMUM LOADS ENCOUNTERED DURING ITS MISSION

SCOPE:

- 25 TESTS OF MAJOR STRUCTURAL ASSEMBLIES INVOLVING 58 MAJOR TEST CONDITIONS

STATUS:

- 21 TESTS COMPLETE & 52 TEST CONDITIONS COMPLETED
- ONE TEST REMAINING FOR S-1C-1 (TO BE COMPLETE 3-1-67)

FIGURE 11

The static firing program (fig. 12) was carried out at Huntsville where the S-1C-T was test-fired 15 times for a total of 867 seconds. We accomplished that program in 1965, allowing us to make some minor design changes that came out of that testing before too much hardware had been built.