

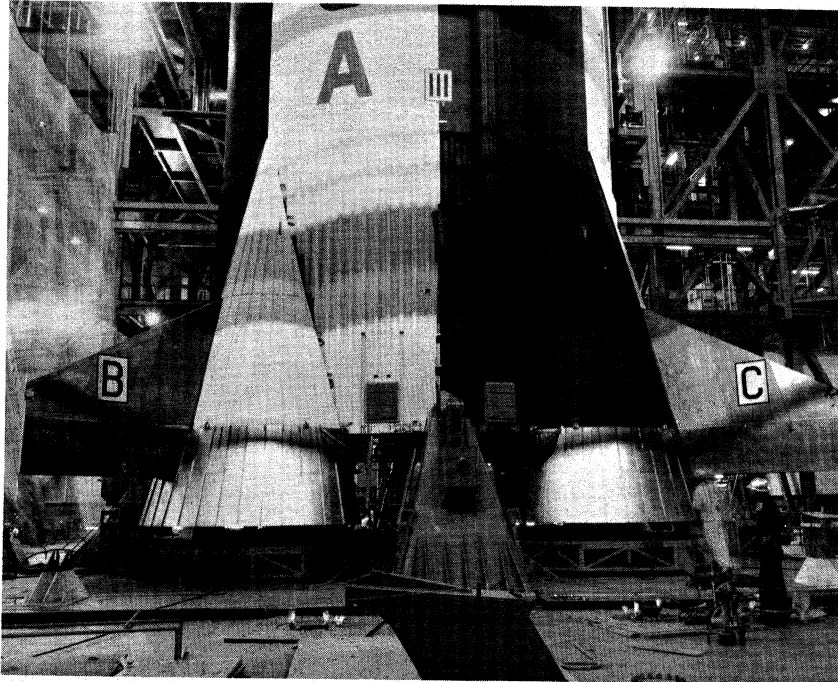


FIGURE B-13.—Stage S-IC sitting on holddown Arms.

Figure B-19 shows the lunar module being assembled within a part of the spacecraft LM adapter. Now, although this will fly on AS-501, it is not a complete lunar module. It is called an LM test article. AS-501 and AS-502 will have test articles wherein we will be able to measure dynamic data. There will be no fuel aboard and no life support system on the LM test article. Figure B-20 shows the complete spacecraft being erected in the high bay.

Figure B-21 is the launch control center for the launch vehicle. The contractors are each working at certain rows of equipment. The row of racks in the foreground is for the command and management elements of both spacecraft and launch vehicle.

The detailed checkout of the spacecraft that started when it arrived in the operations and checkout building is carried out with a system we call the ACE system, automatic checkout equipment system (fig. B-22). Overall control of spacecraft checkout is maintained by the ACE system located 6 to 7 miles from the vehicle assembly building. As described earlier for the launch vehicle, connection to the spacecraft is accomplished by digital-data techniques.

Once our checkout is complete within the building, we are ready to move to the launch pad. We accomplish this with what we call the Crawler-Transporter.