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Cy 1 WC

CORONA SYSTEM

This photographic search and surveillance program is an outgrowth of the original Discoverer Program, which first flew successfully in 1959 with 63 recoveries to date.

Lockheed furnishes the Agena vehicle and photographic payload section, and performs the launch and payload recovery integration.

- | | | | |
|------------------------|-------------------|---|------------------------------------|
| Associate Contractors: | McDonnell Douglas | - | Thor Booster |
| | ITEK | - | Primary Camera |
| | Fairchild | - | Dual Improved Stellar Index Camera |
| | General Electric | - | Recovery Vehicles (2) |

Testing of the Agena and Forward Section is accomplished independently in Sunnyvale and a modified final systems test is conducted at Vandenberg AFB before launch. Upon mission completion, recovery vehicles are returned to Sunnyvale for equipment removal and refurbishment.

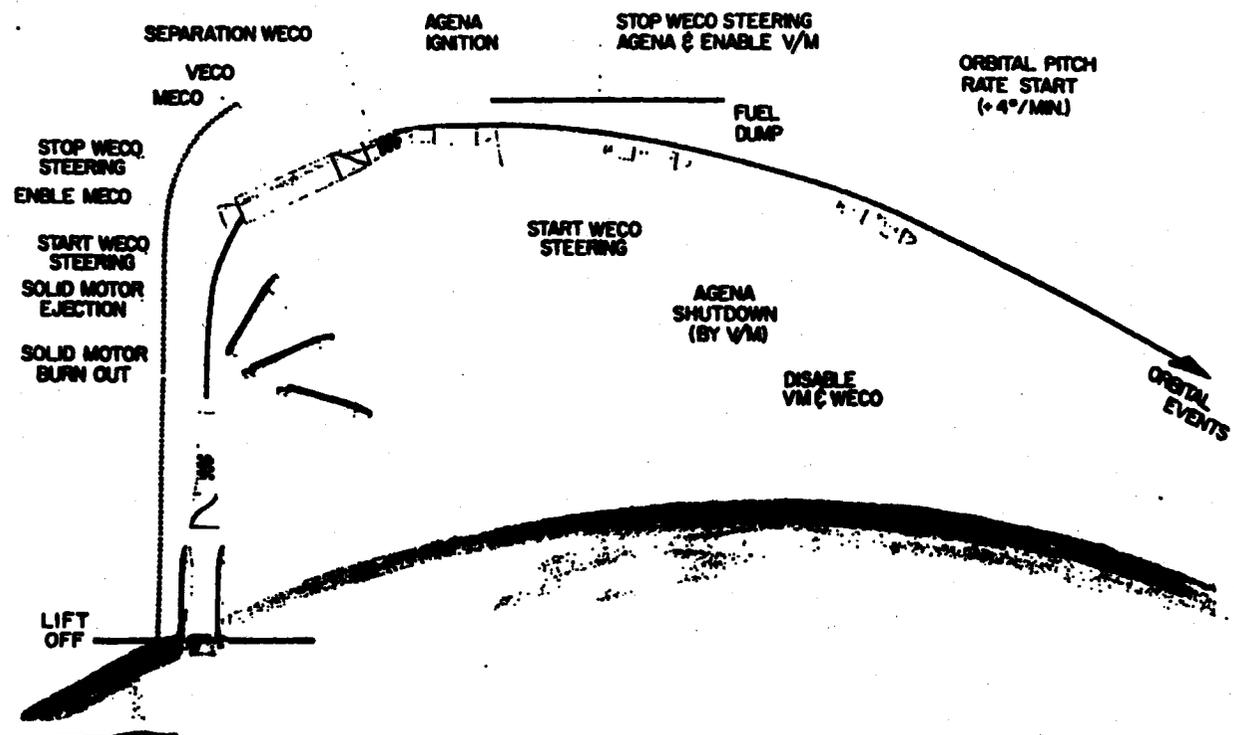
The film supply is forwarded to Eastman Kodak for processing.

The following photographs reflect the flight sequence of events, the Agena vehicle, and the forward section hardware.

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ASCENT SEQUENCE OF EVENTS (U)

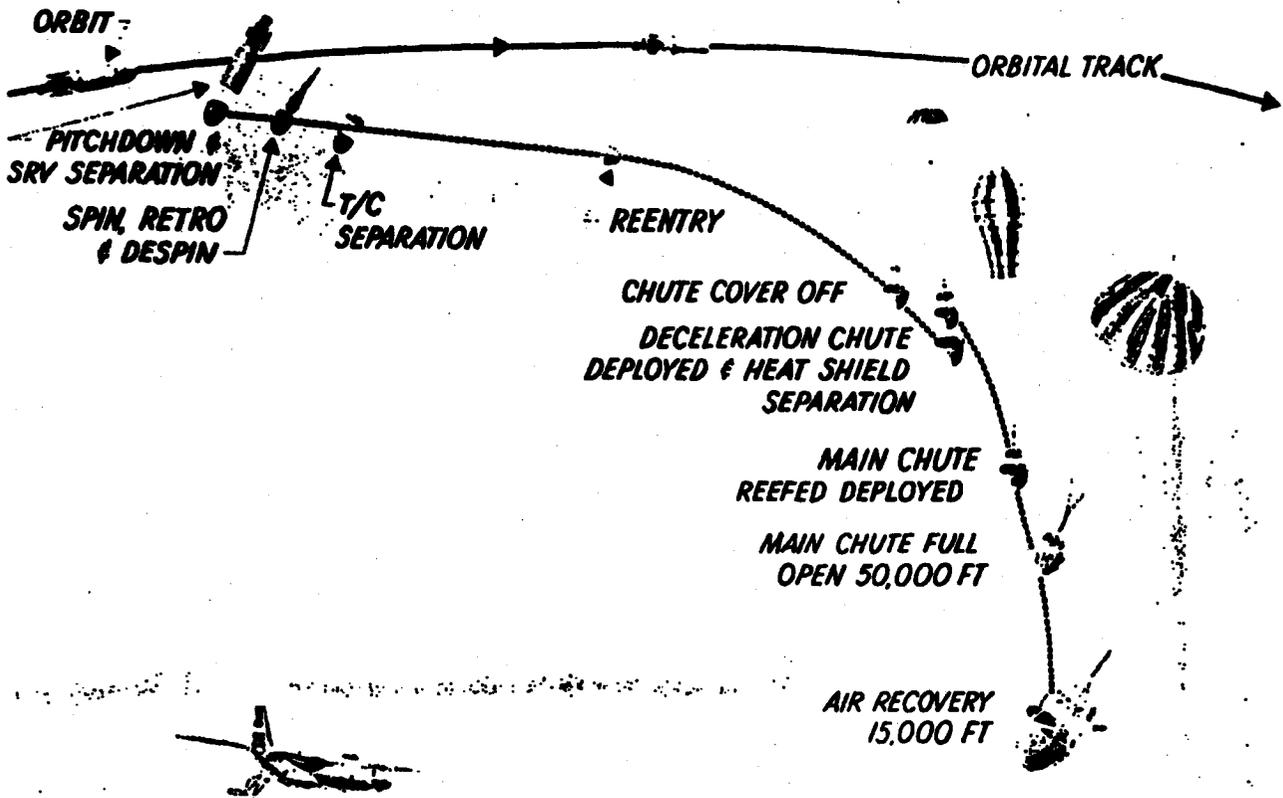


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RECOVERY SEQUENCE OF EVENTS (U)



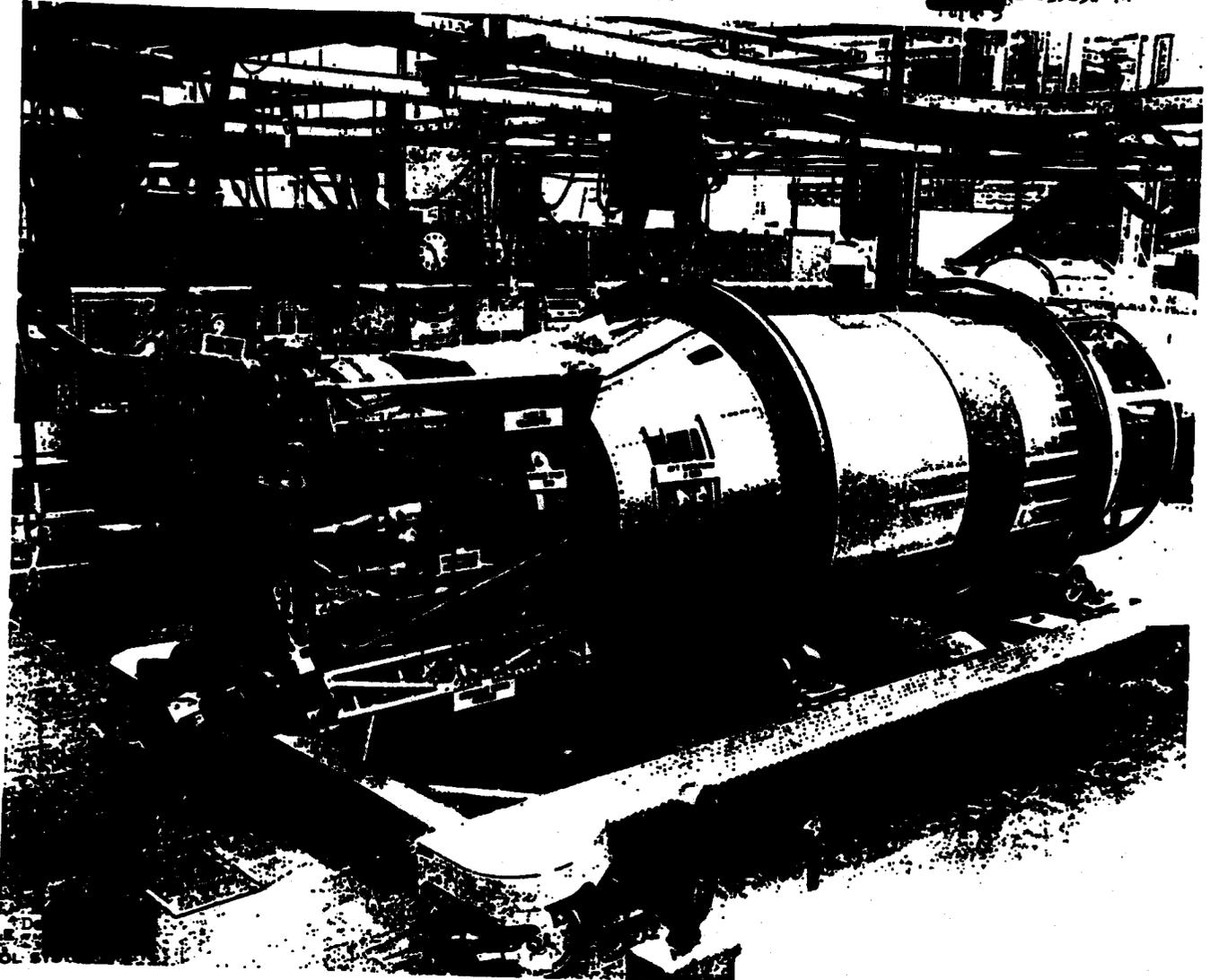
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LOCKHEED MISSILES & SPACE COMPANY

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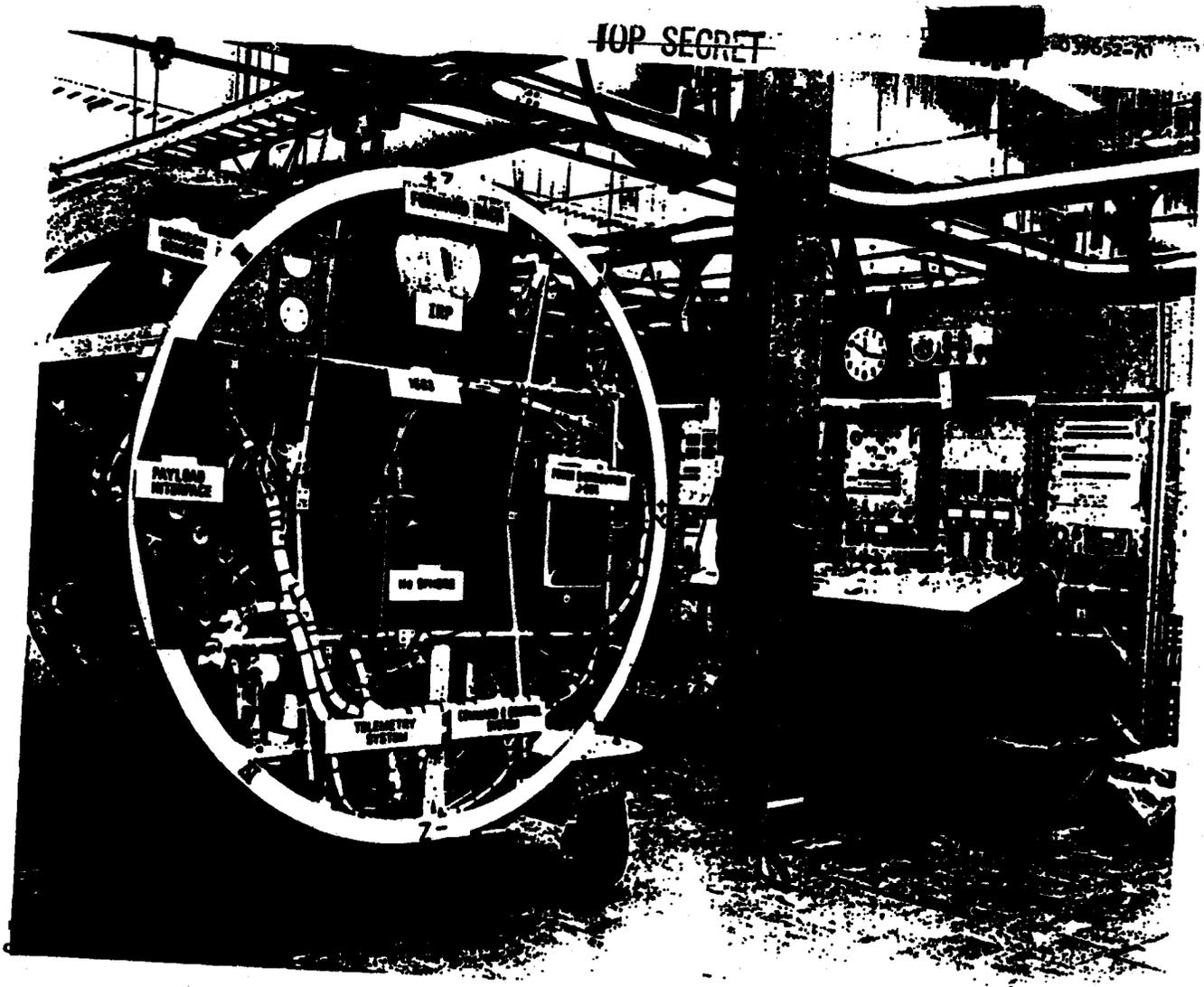
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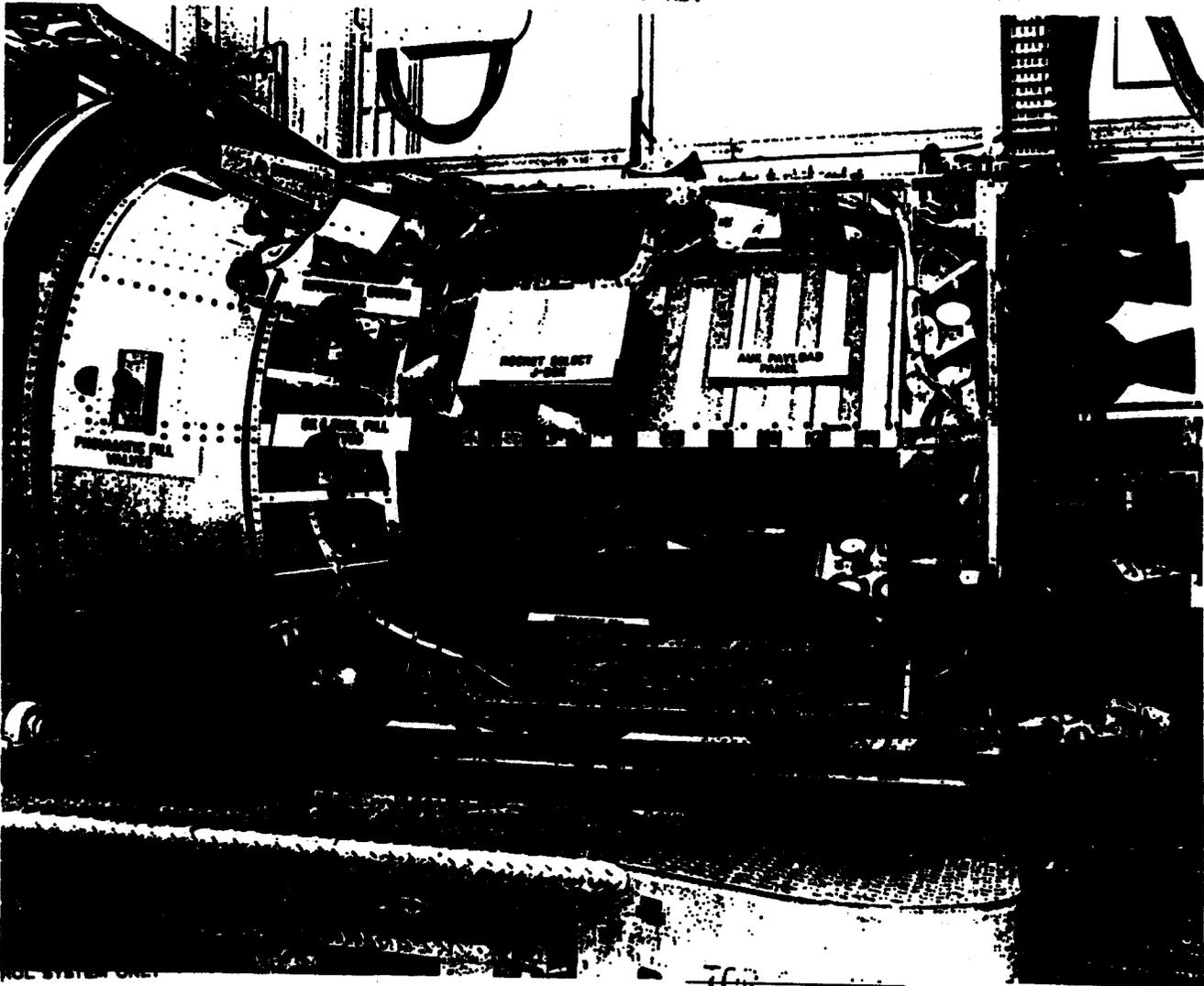
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CORONA FORWARD RACK

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Del [redacted] 2016/07

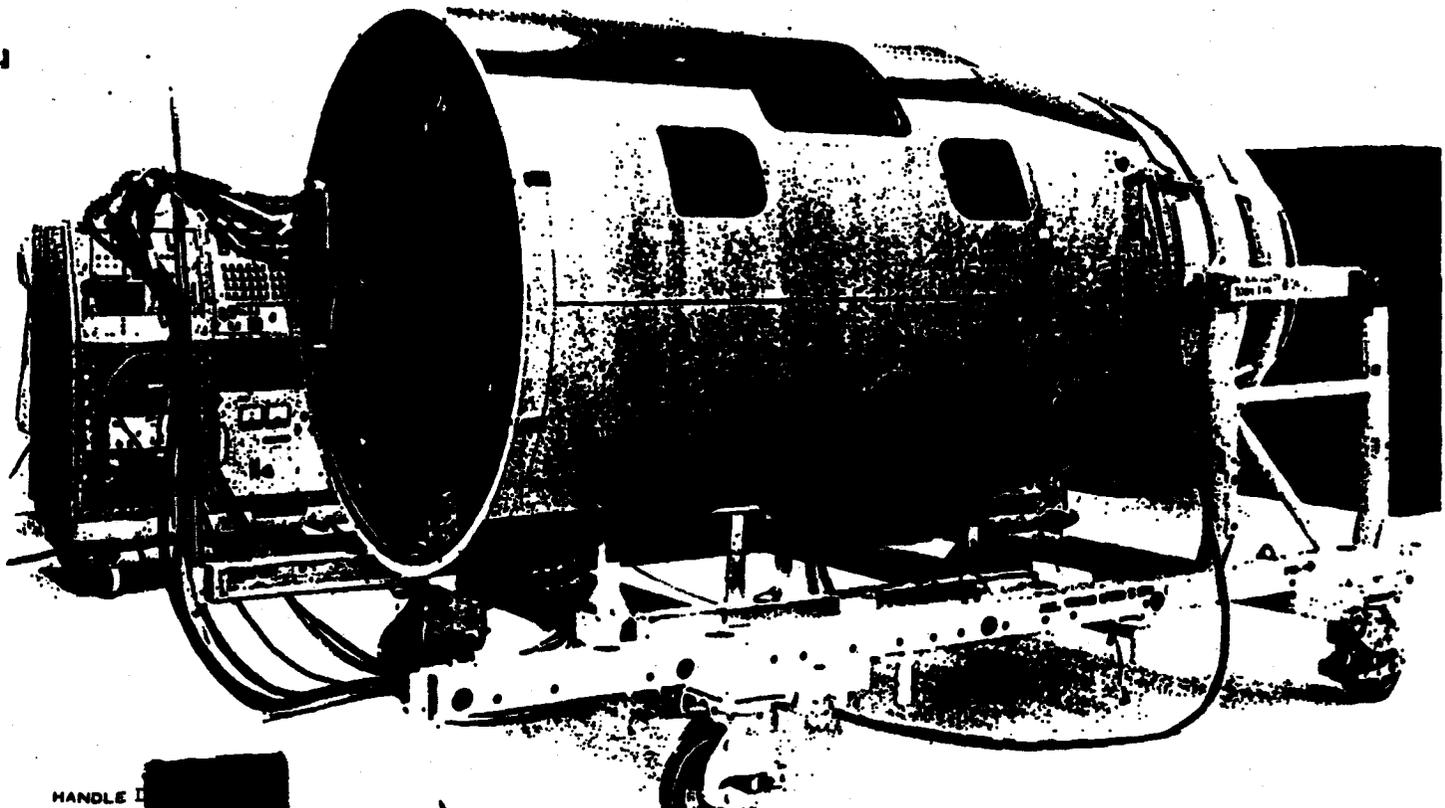


HAND CONTROL SYSTEM UNIT

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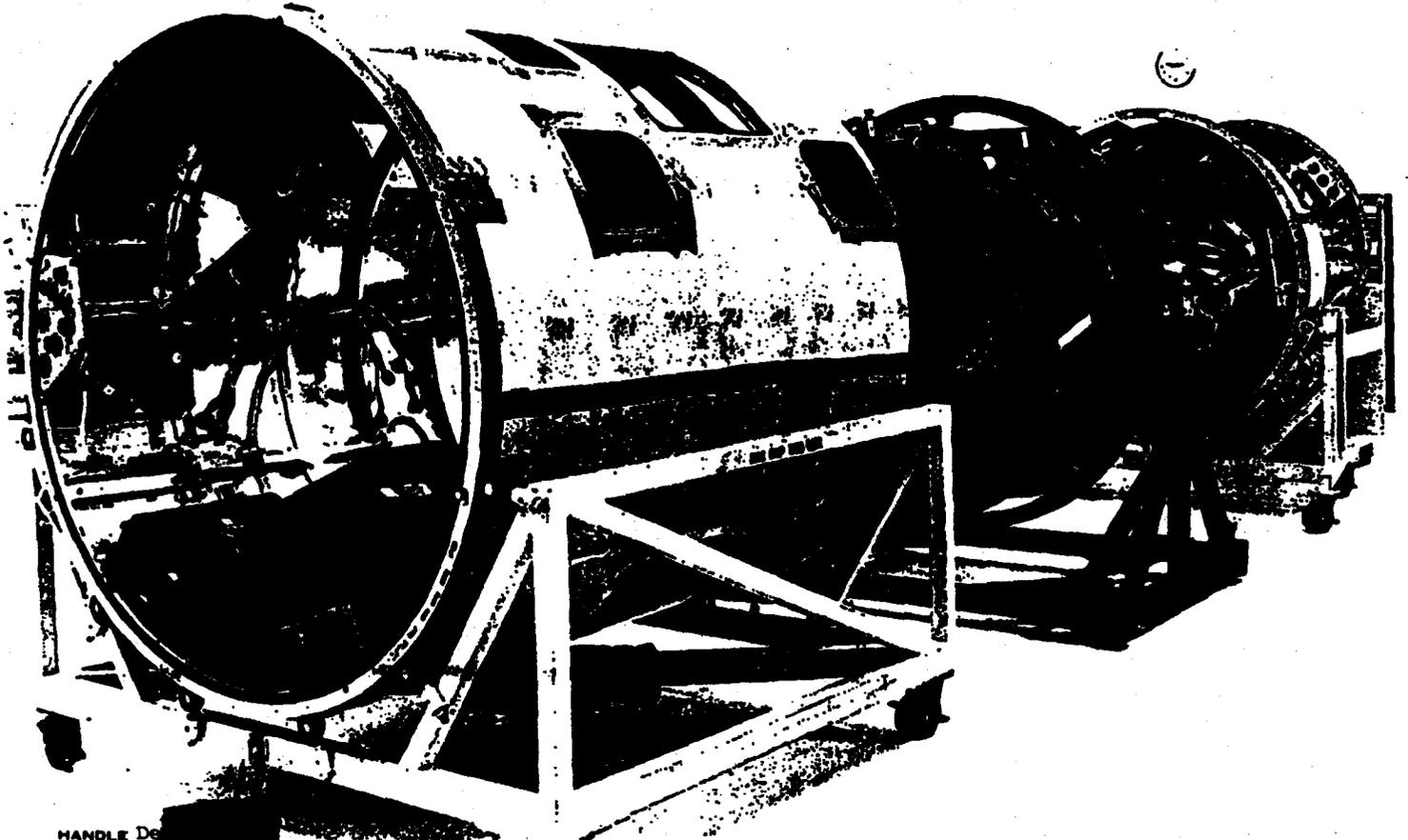
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CORONA SYSTEM IN SYSTEM TEST CONFIDENTIAL

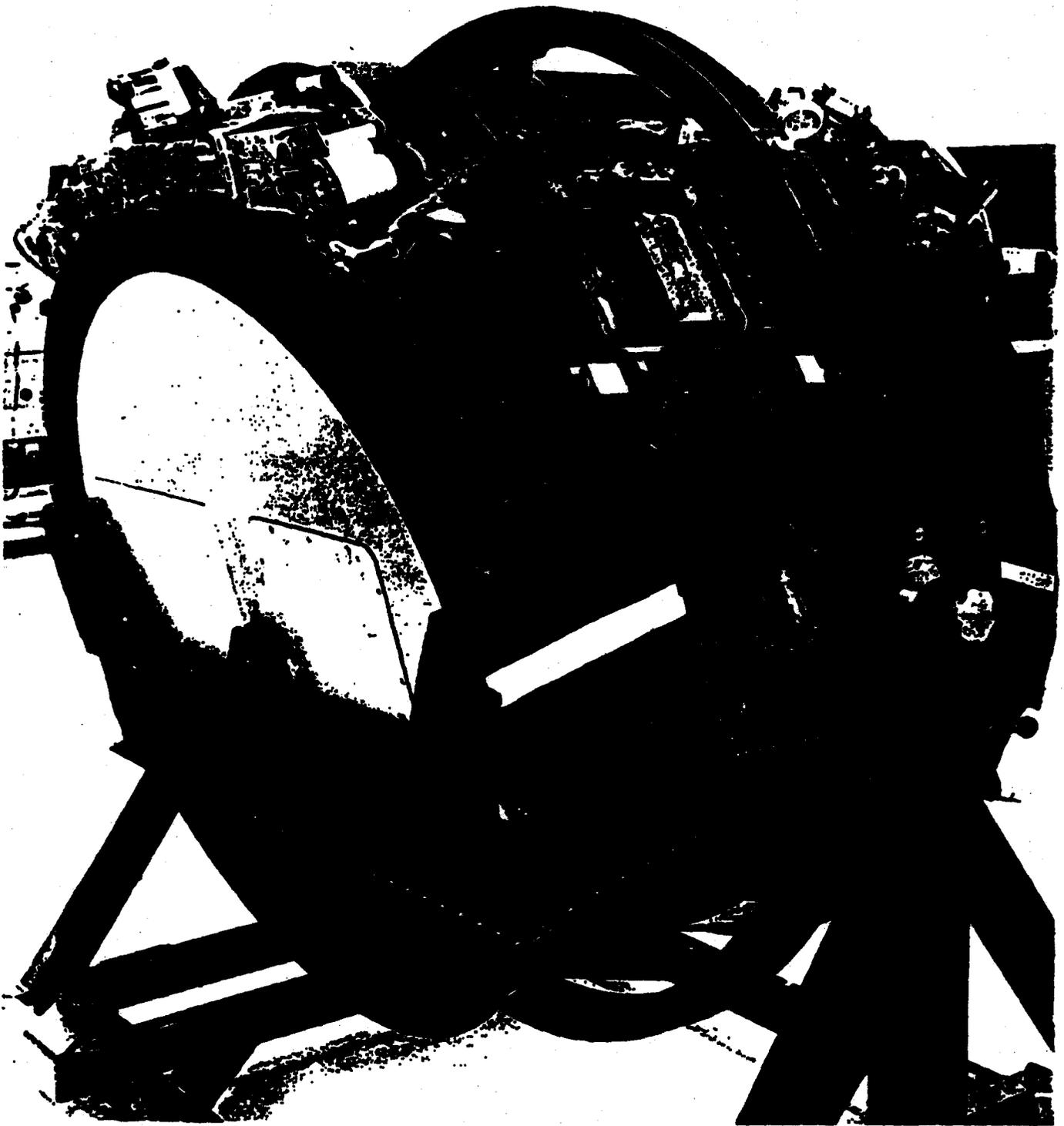
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EXPLODED CORONA SYSTEM LESS SUPPLY CASSETTE ~~TOP SECRET~~

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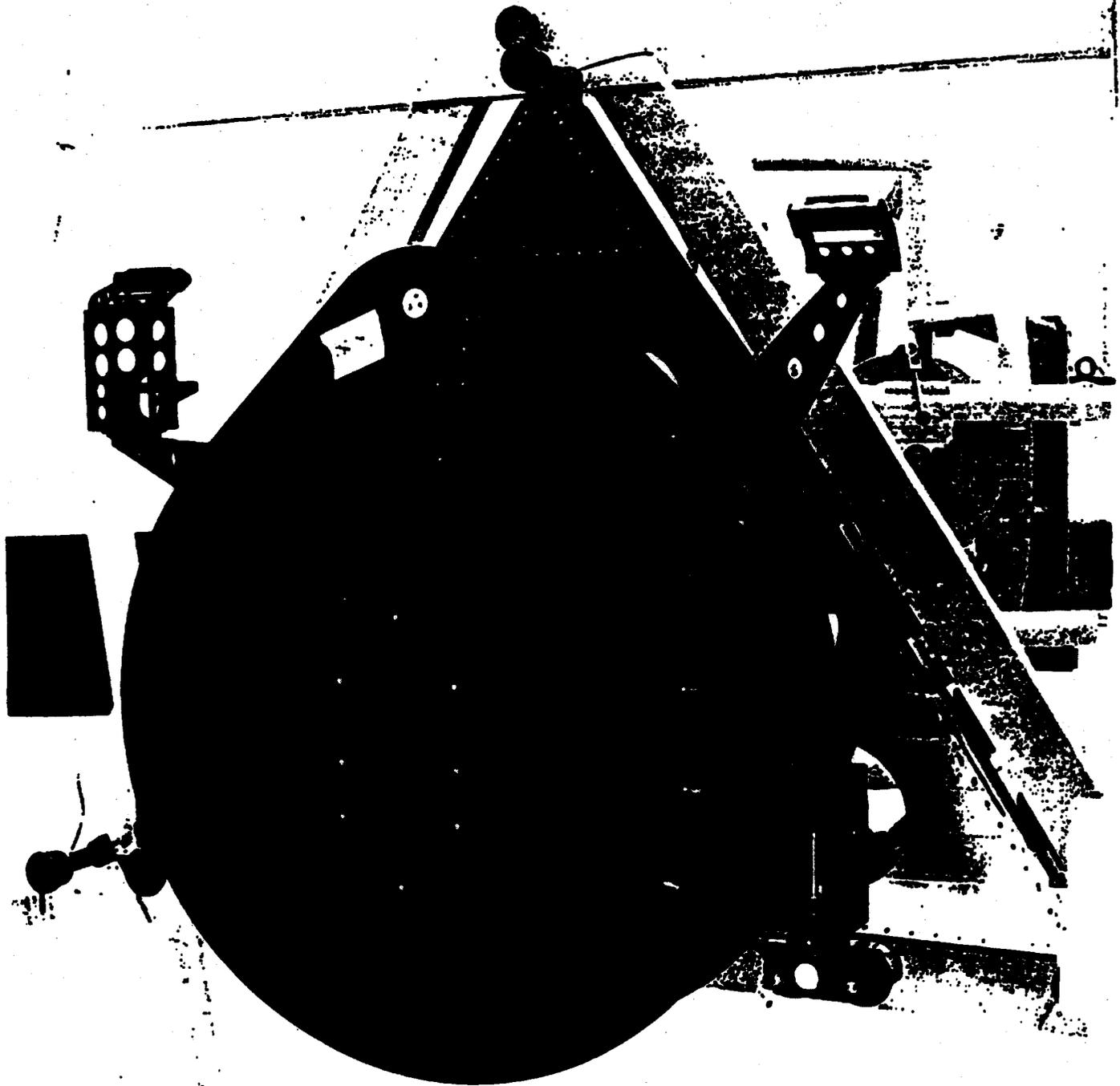


CONSTANT ROTATOR CAMERA ASSEMBLY IN TEST FRAME

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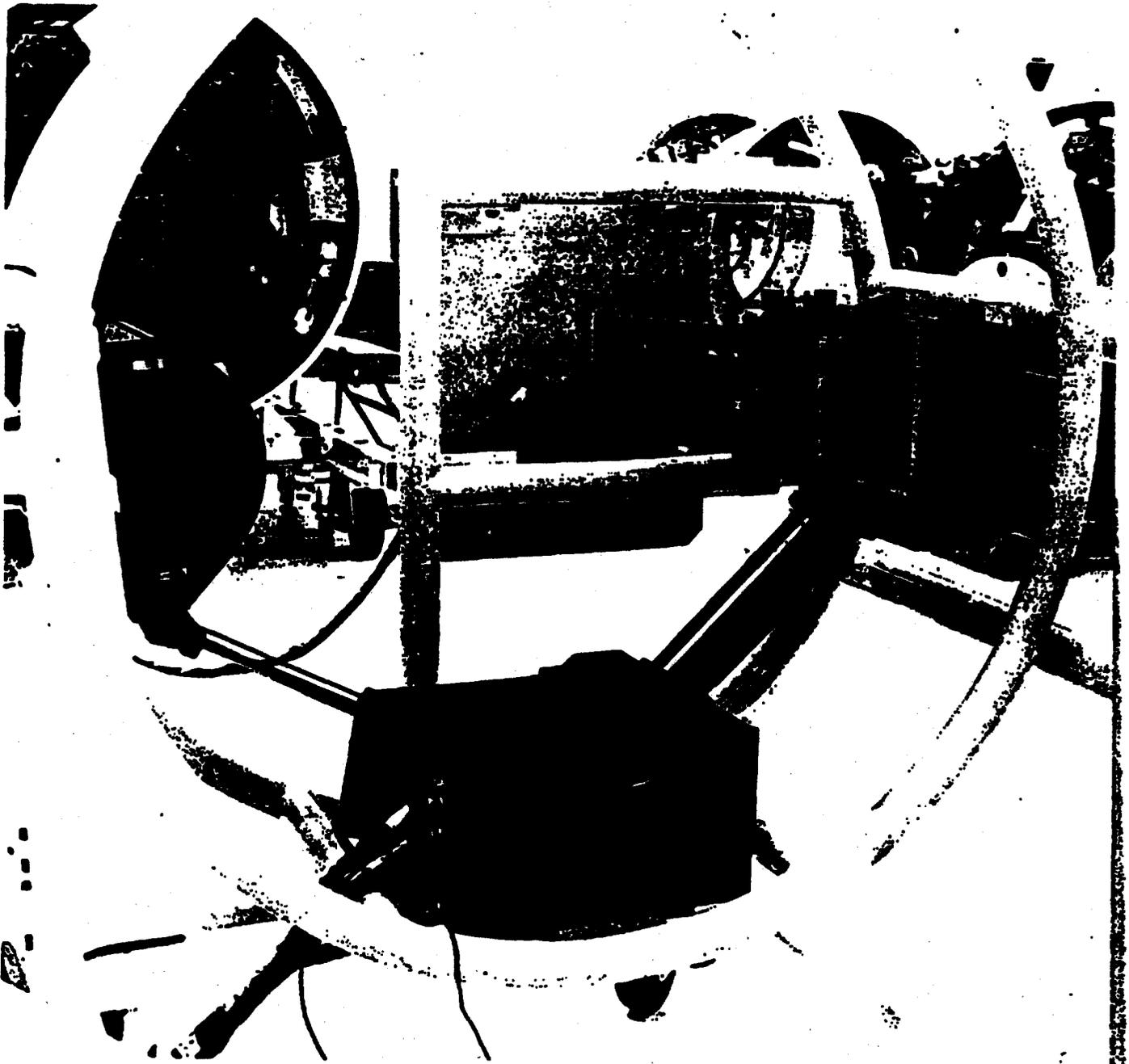


MAIN CAMERA FILM SUPPLY ASSEMBLY (LOOKING FORWARD)

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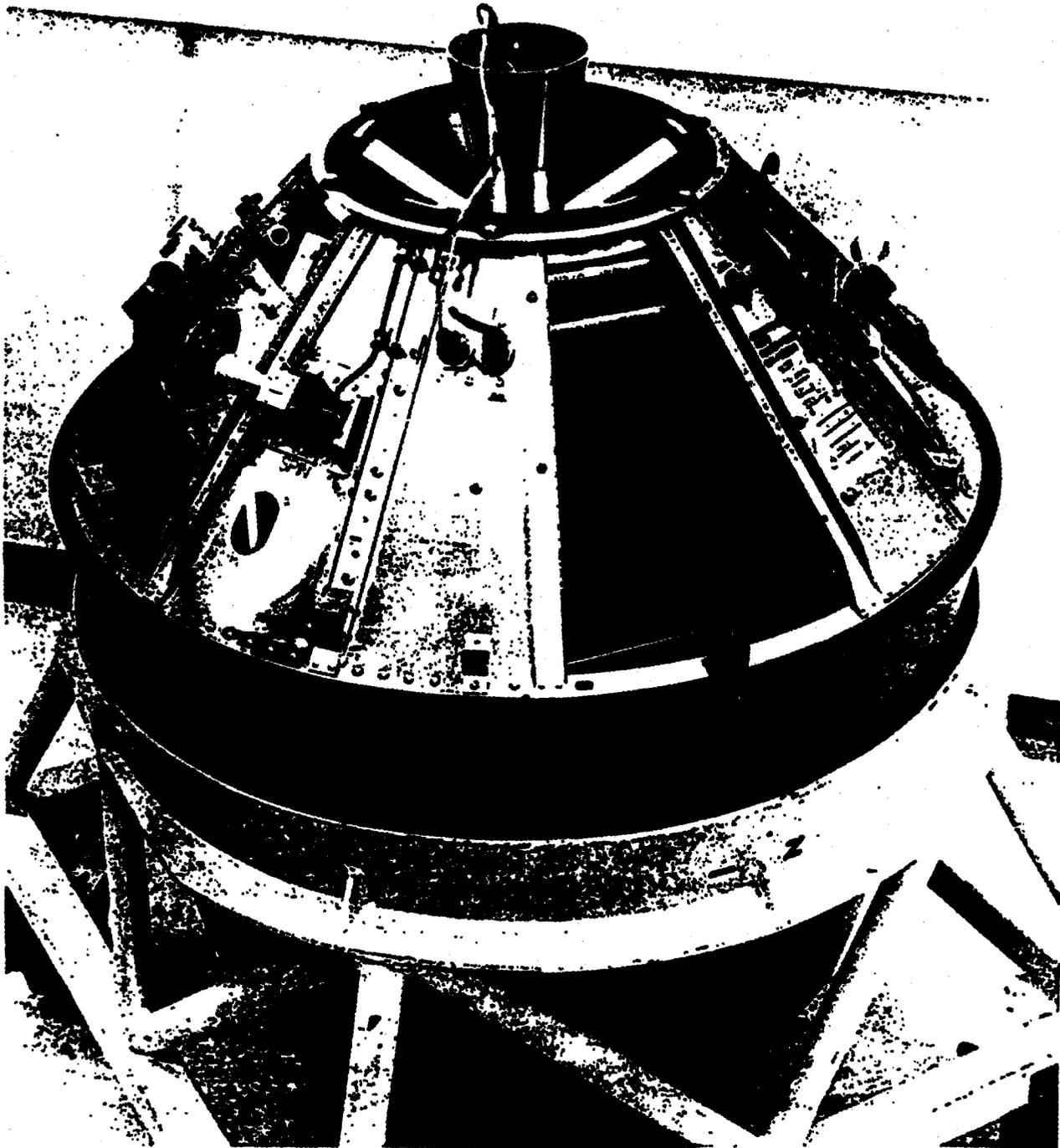


DUAL IMPROVED STELLAR INDEX (DISIC) CAMERA IN TEST
FRAME. FILM SUPPLY AT LEFT, CAMERA AT BOTTOM;
CENTER, CUT AND SPLICE DEVICE ON RIGHT.

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RECOVERY VEHICLE COMPLETE. RETRO ROCKET MOTOR AT TOP

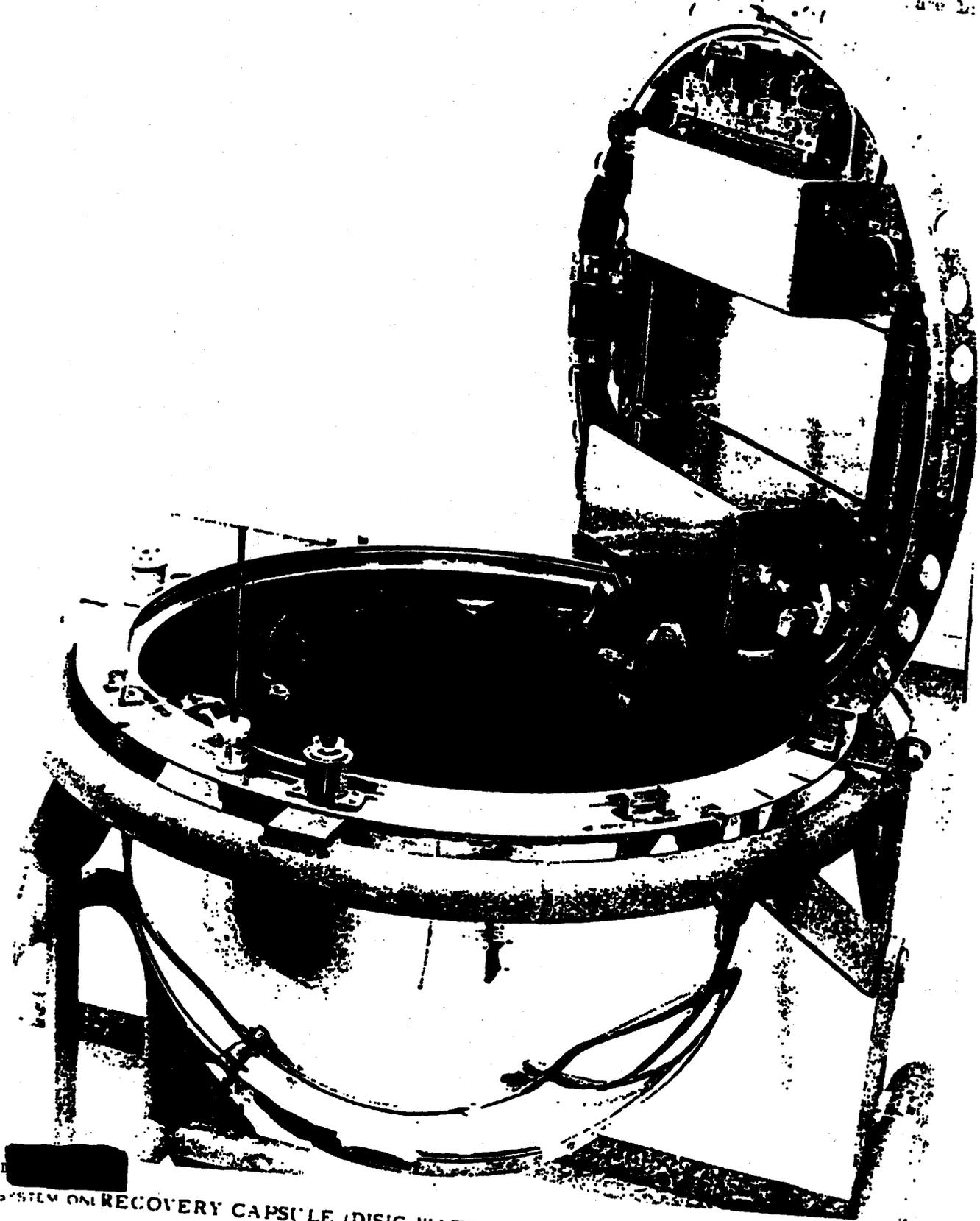
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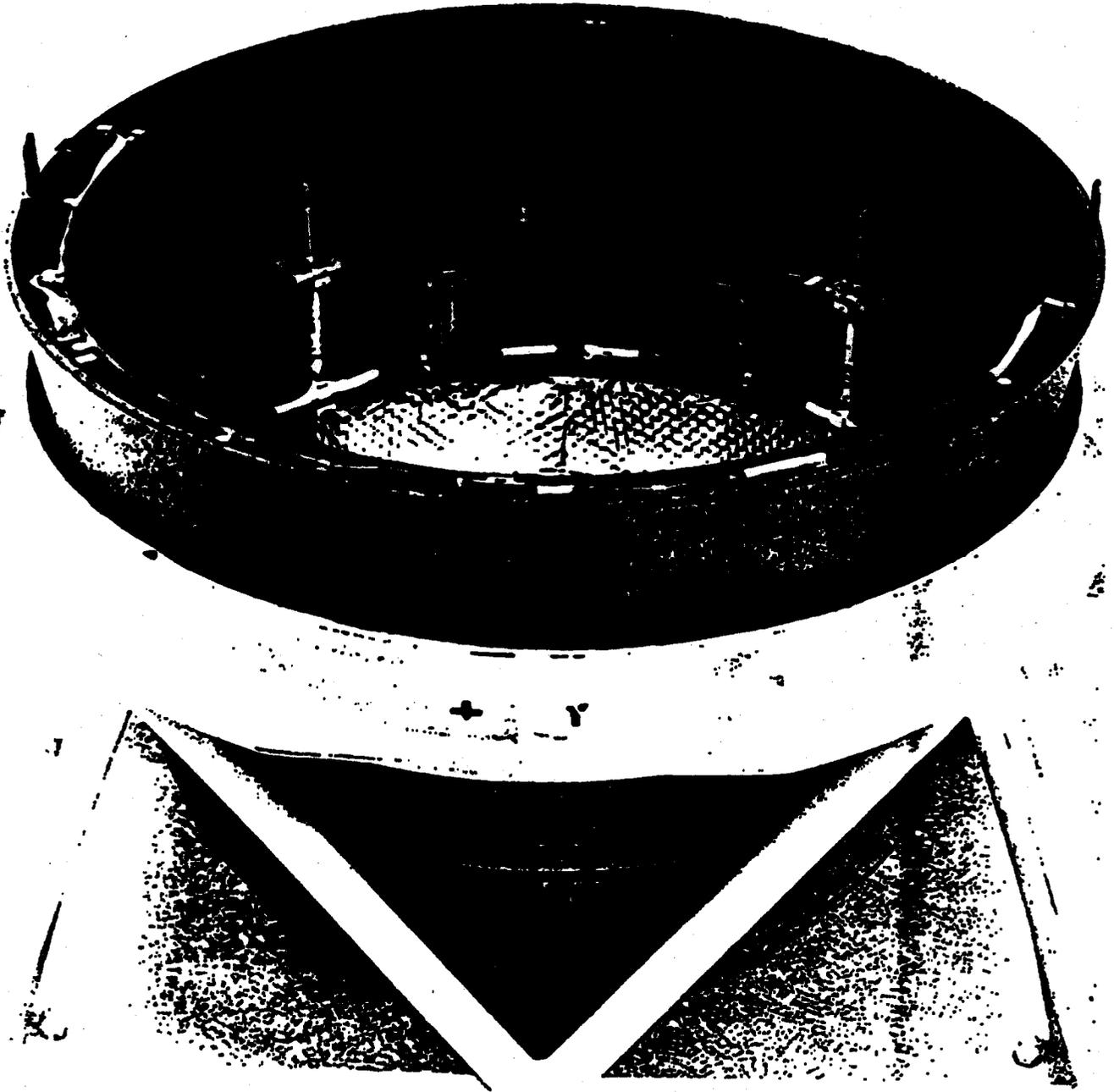
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HANDLING CONTROL SYSTEM ON RECOVERY CAPSULE (DISIC WATER SEAL AT TOP)

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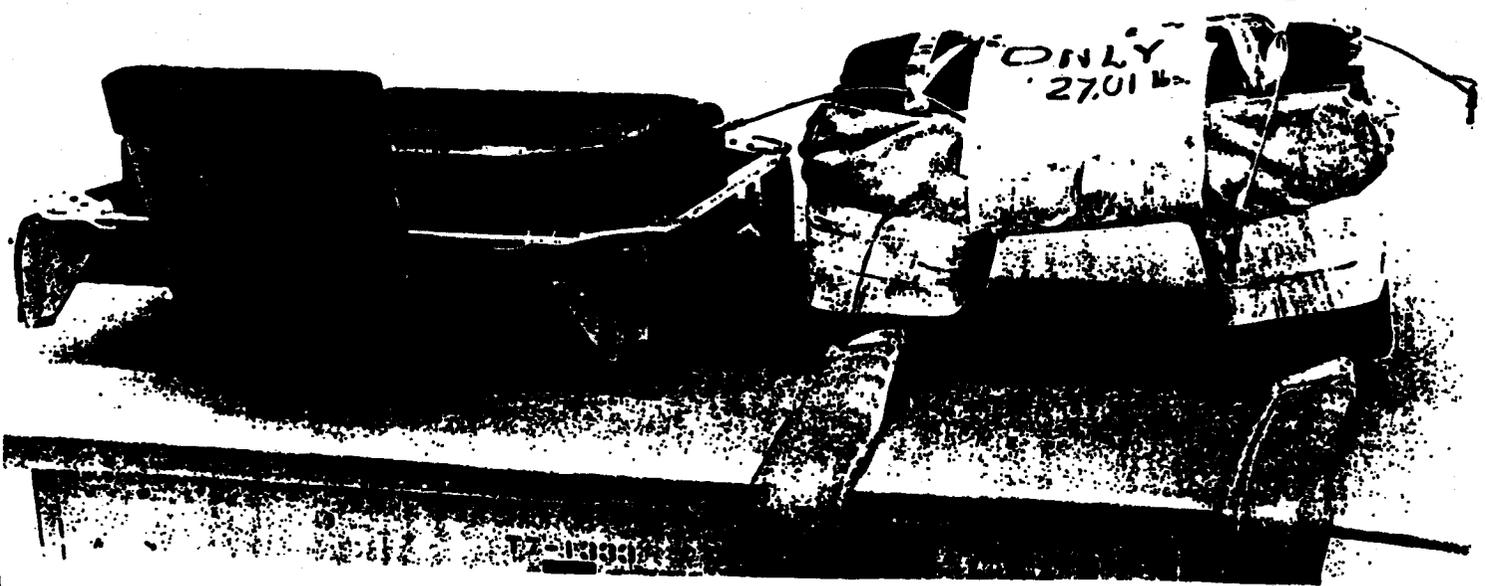


ALTERNATE FOREBODY RE-ENTRY THERMAL SHIELD

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PARACHUTE COVER WITH SECTION OF DISC CHUTE ATTACHED. RECOVERY PARACHUTE ON RIGHT.

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