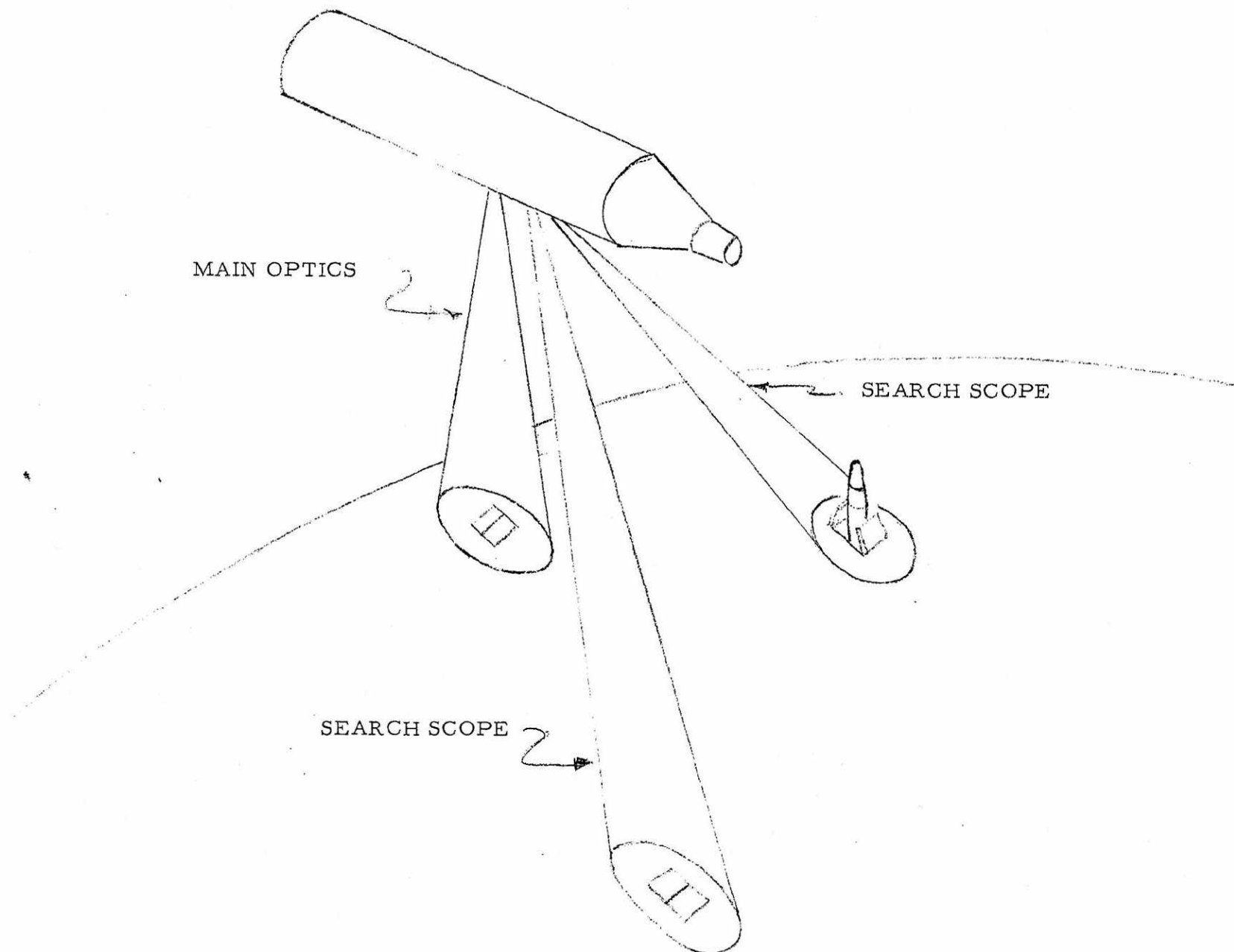


~~SECRET~~ - SPECIAL HANDLING

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MANNED ACQUISITION OF ACTIVE TARGETS



~~SECRET~~ - SPECIAL HANDLING

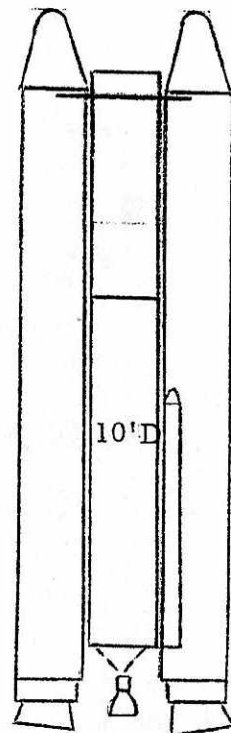


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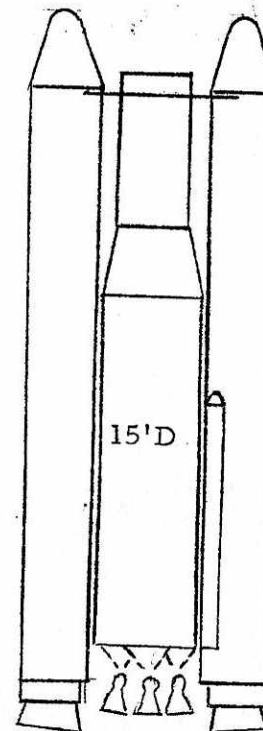
WHS-022

MOL LAUNCH VEHICLES

THI C (U)
32.8K# REF. P/L



THI C - LDC 1
44.0K# REF. P/L



~~SECRET~~ SPECIAL HANDLING

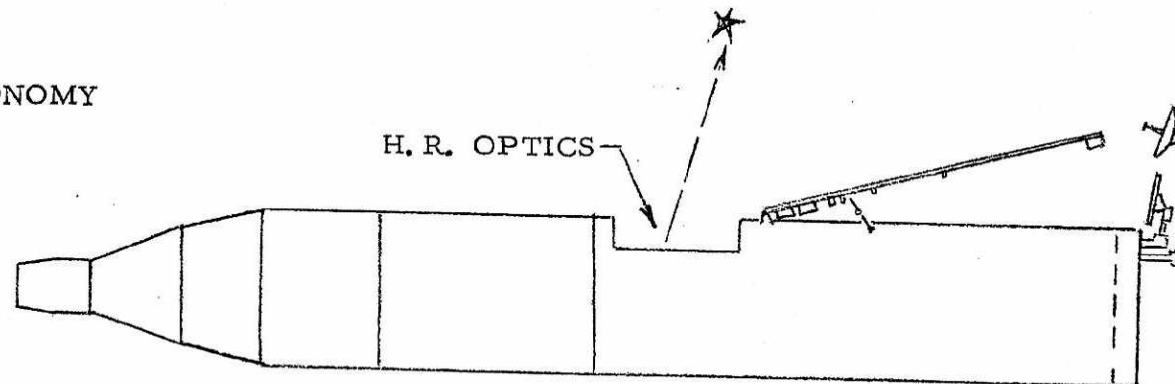


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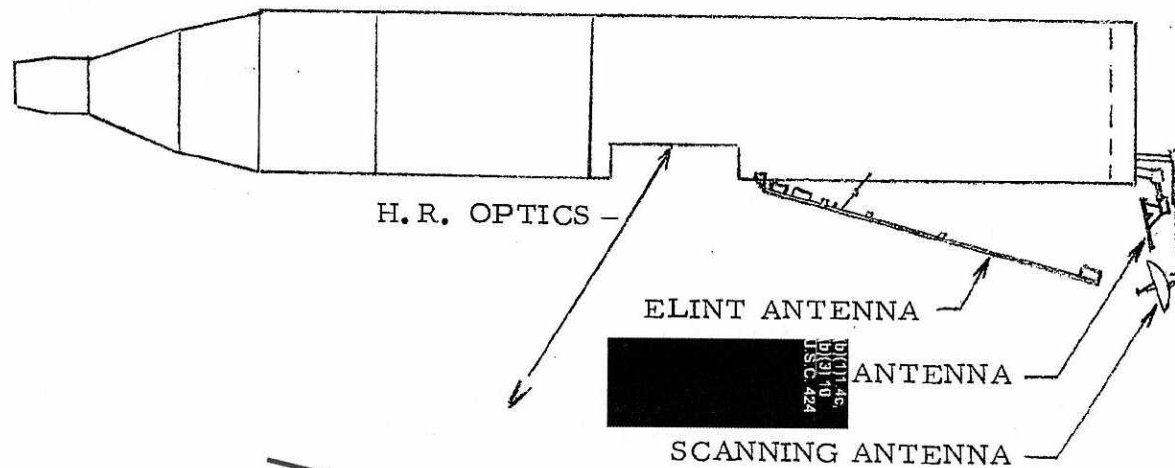
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MULTI-MISSION
GROWTH APPROACHES
(APPLICABLE TO INTEGRAL OR RENDEZVOUS)

○ ASTRONOMY



○ ELINT, [REDACTED] AND H. R. PHOTOGRAPHY



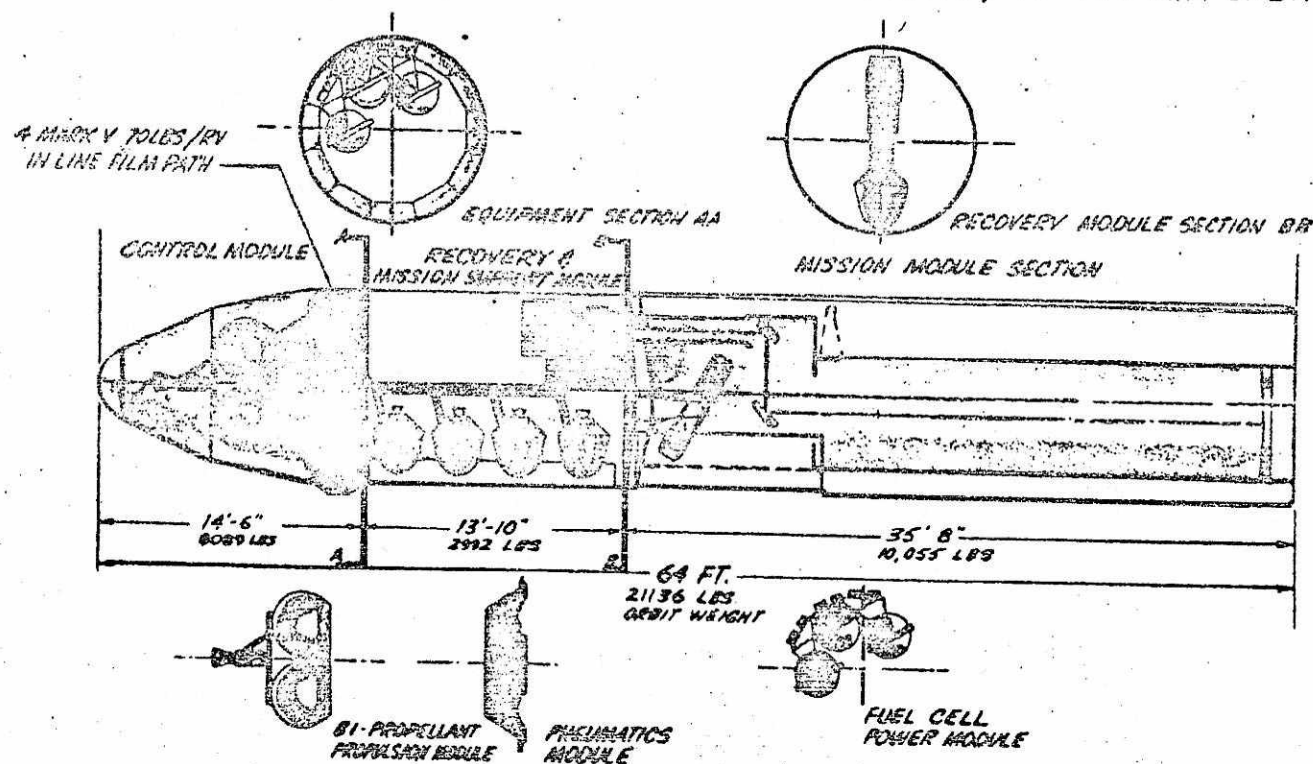
~~SECRET~~ SPECIAL HANDLING

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~~SECRET~~ SPECIAL HANDLING

30 DAY DORIAN SYSTEM

TITAN III-D-5 SEGMENT BOOSTER - 97° INCLINATION, 70-170 N.M. ORBIT



~~SECRET~~ - SPECIAL HANDLING

Systems Applications Office
5-19-66 CLO

~~SECRET~~ SPECIAL HANDLING

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b(1)4c, (b)3 10 USC 424

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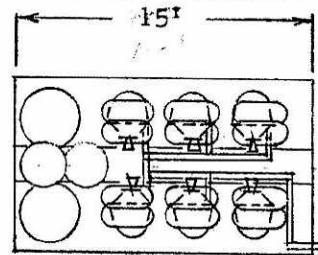
VHS-022

~~SECRET~~ SPECIAL HANDLING

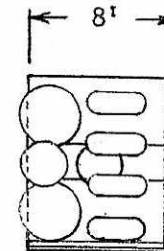
RENDEZVOUS/RESUPPLY VEHICLE

EXTENDED MISSION SERVICE MODULE

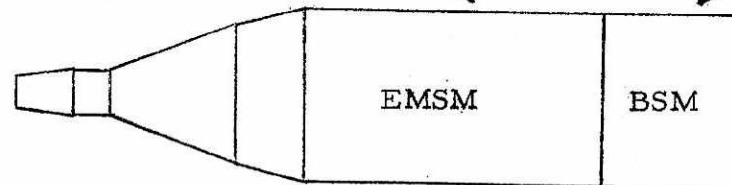
- o AUTOMATIC MODE VEHICLE SERVICE MODULE
- o ADD CRYOGENIC TANKS, FUEL CELLS, AND PROPULSION SYSTEM
- o ADD CREW TRANSFER TUNNEL

BASELINE SERVICE MODULE

- o BASELINE VEHICLE UNPRESSURIZED SECTION
- o ADD DOCKING HARDWARE



GEMINI-B →



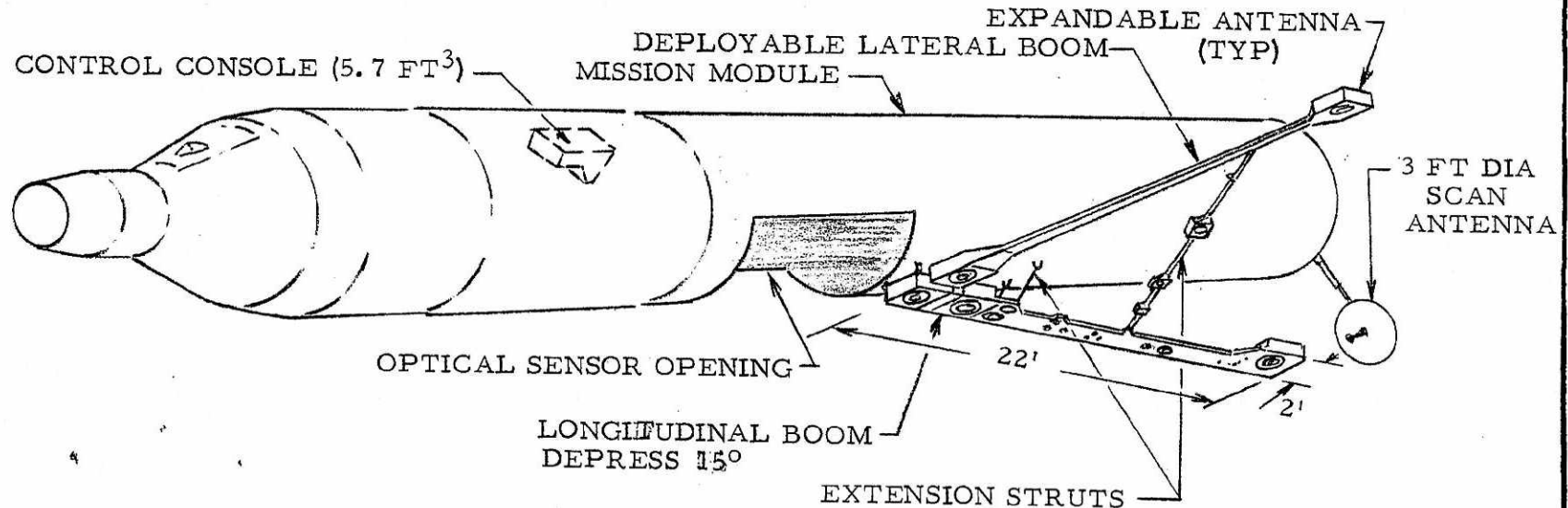
- o LAUNCH WEIGHT 30,800 LBS

~~SECRET~~ SPECIAL HANDLING

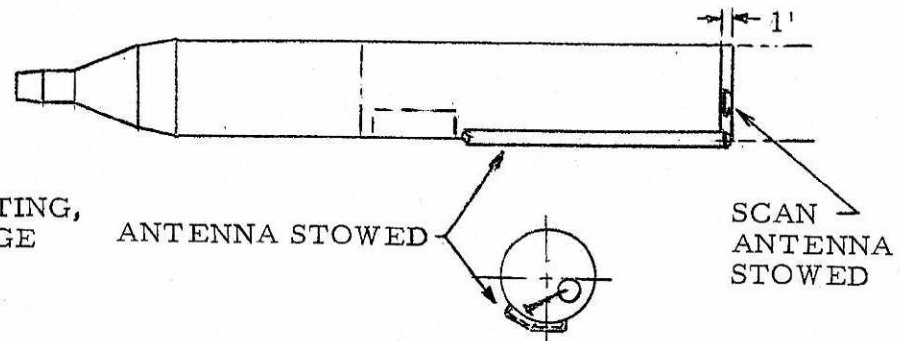
~~SECRET~~ SPECIAL HANDLING

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TYPICAL ELINT INSTALLATION

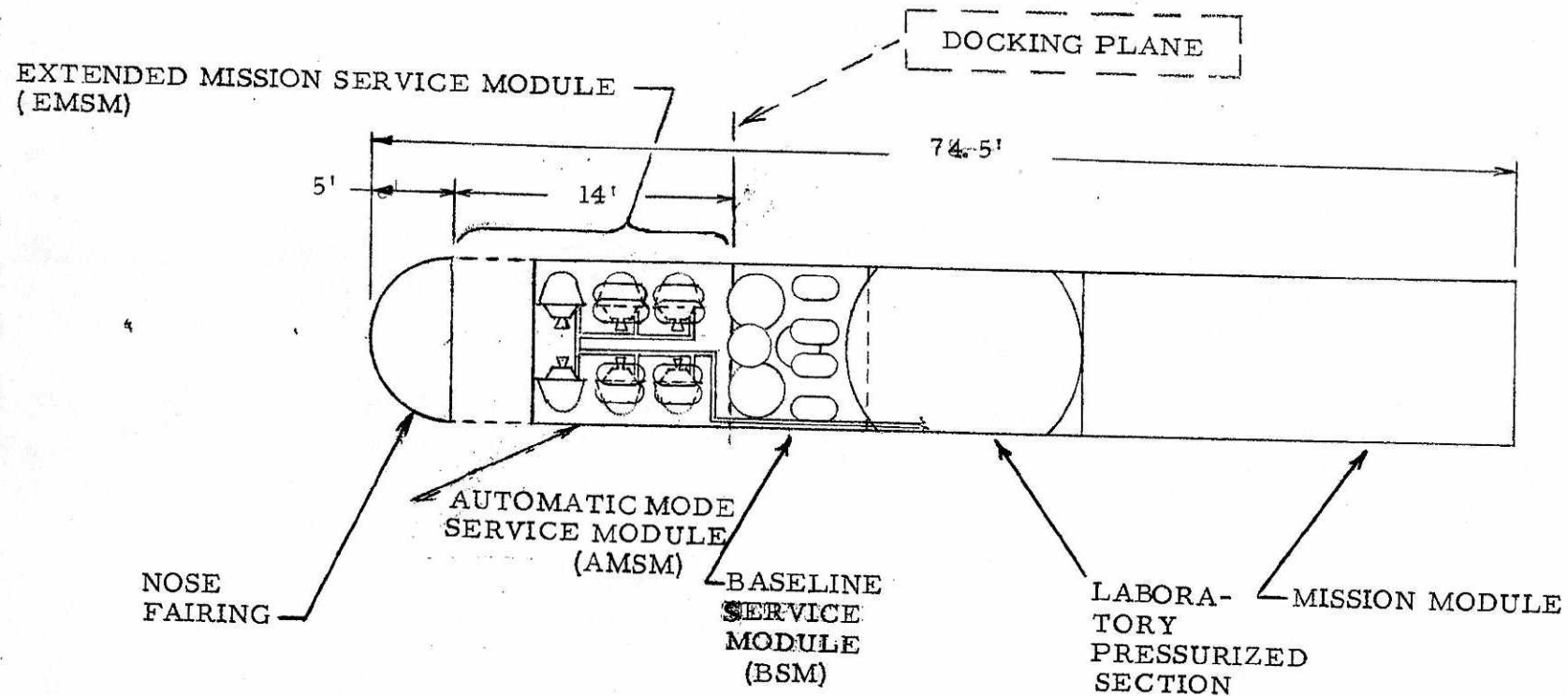
INSTALLATION CHARACTERISTICS

- HARDWARE WEIGHT INCLUDING STRUCTURE - 480#
- POWER PENALTY - 250 WATTS OPERATING, 25 WATTS AVERAGE
- DUTY CYCLE - 10% ORBITAL DURATION
- DEPLOYMENT CYCLE - 100%
- PROPULSION PENALTY - 1 FPS/DAY

~~SECRET~~ SPECIAL HANDLING

~~SECRET SPECIAL HANDLING~~

MOL AUTOMATIC MODE/RENDEZVOUS AUTOMATIC MODE VEHICLE



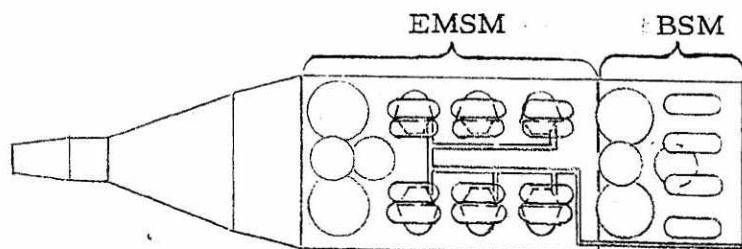
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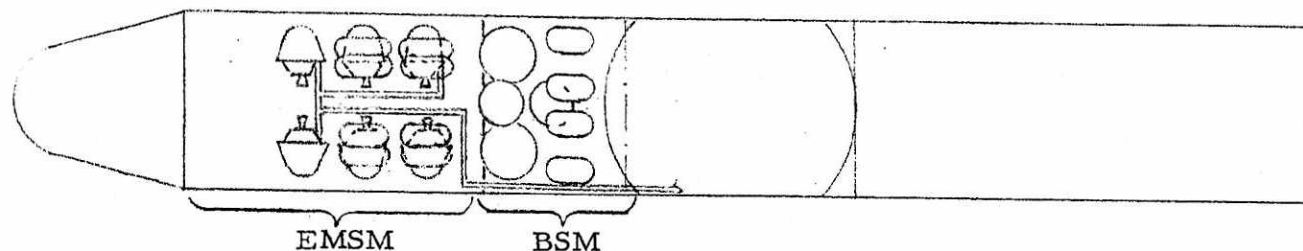
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RENDEZVOUS VEHICLE FAMILY

O RENDEZVOUS/RESUPPLY VEHICLE (RRV)



O RENDEZVOUS/AUTOMATIC MODE VEHICLE (RAMV)

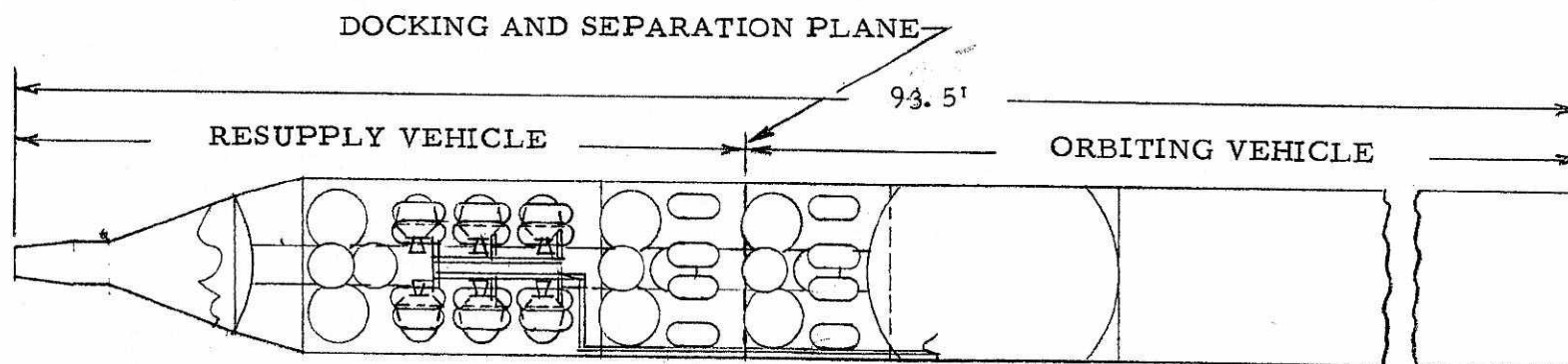
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RENDEZVOUS VEHICLE CONFIGURATION

- o ONE YEAR ORBITING VEHICLE OPERATION
- o 60 DAY RESUPPLY CYCLE

RRV FUNCTIONS

- o ATTITUDE CONTROL (ACTS PROPULSION)
- o PRIME POWER SYSTEM
- o LIFE SUPPORT EXPENDABLES
- o DATA SYSTEM

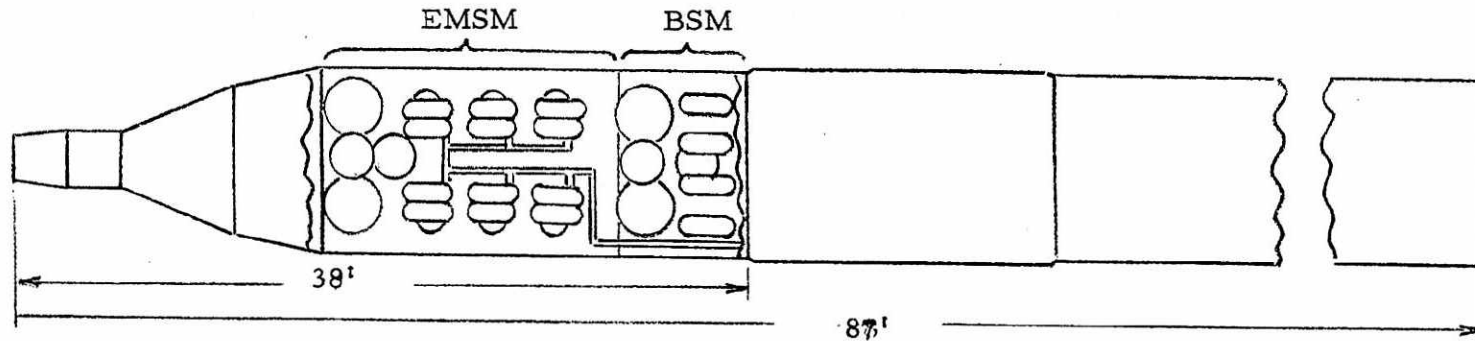
RAMV FUNCTIONS

- o LIFE SUPPORT SYSTEM
- o ATTITUDE CONTROL ELECTRONICS
- o COMMUNICATIONS AND DATA HANDLING
- o ENVIRONMENTAL CONTROL

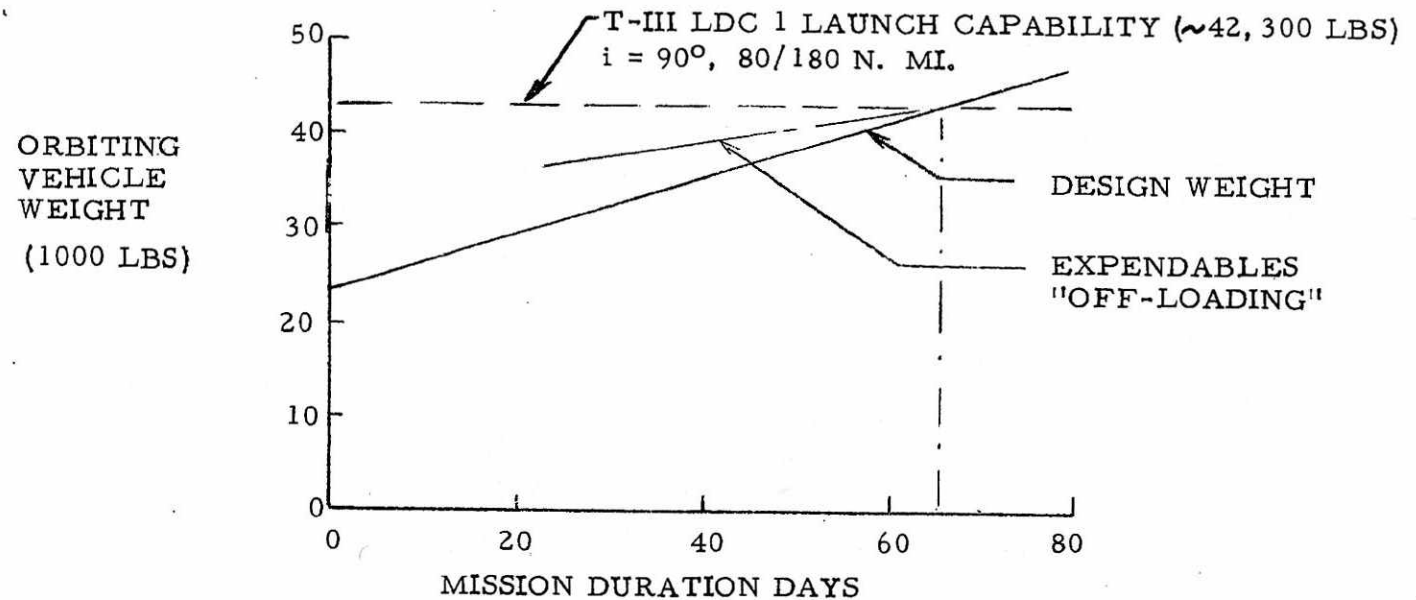
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T-III LDC 1 GROWTH
INTEGRAL LAUNCH

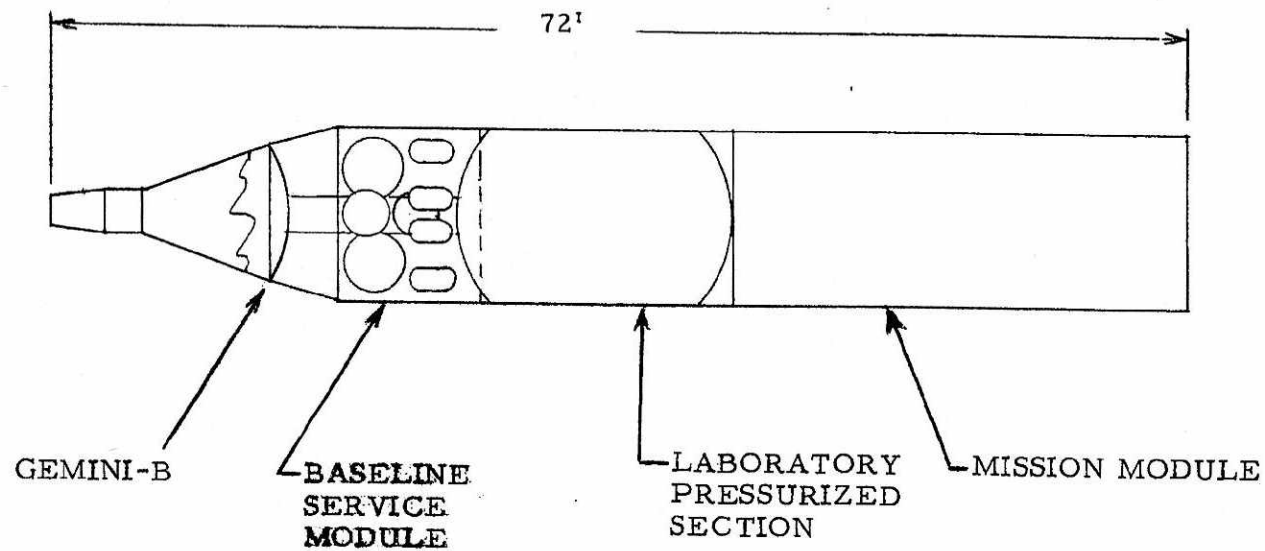
o TYPICAL 60 DAY VEHICLE WGT. = 41,000 LBS

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~~SECRET~~ SPECIAL HANDLING

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MOL BASELINE VEHICLE



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