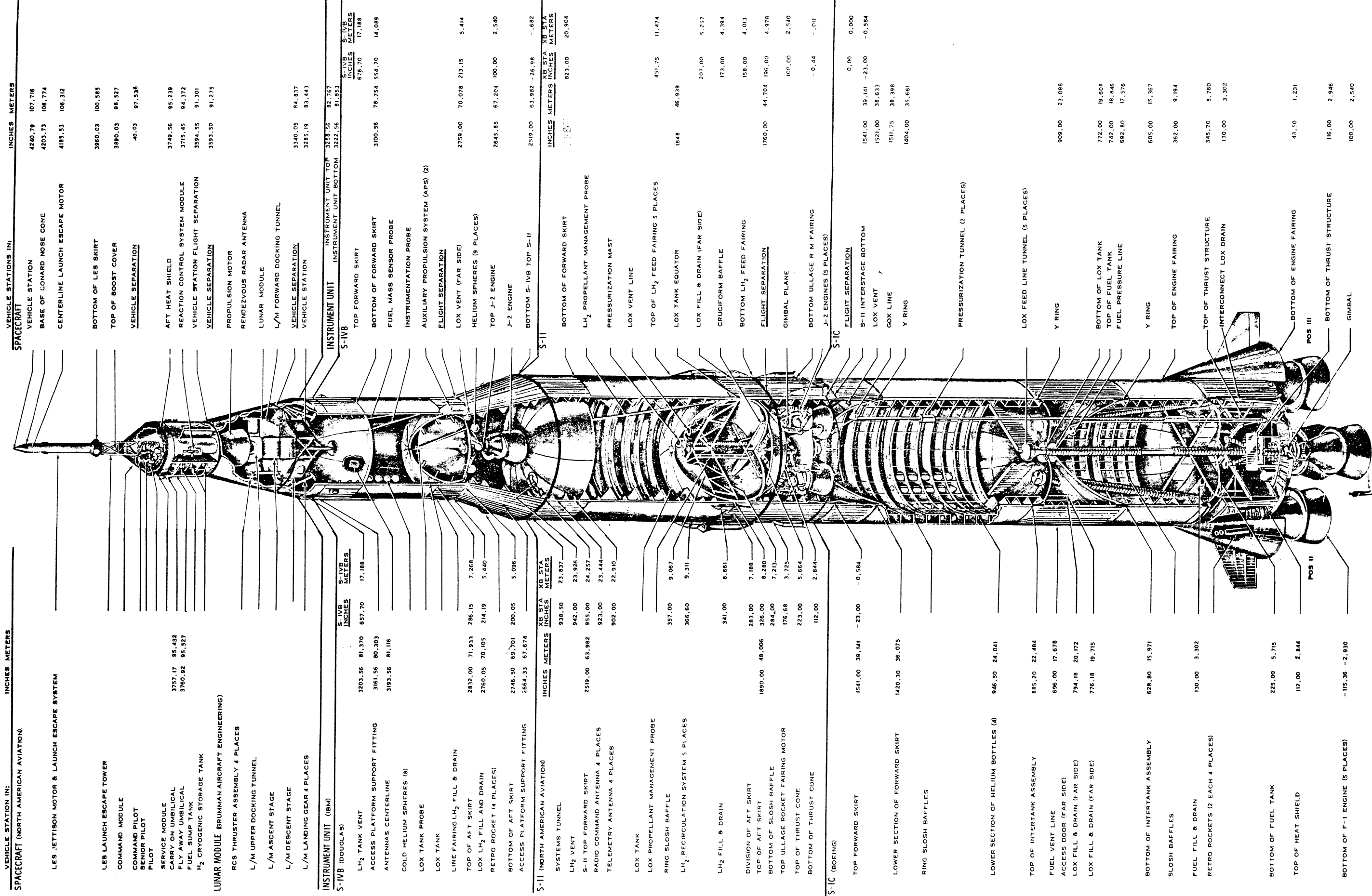


# SATURN V APOLLO FLIGHT CONFIGURATION



VEHICLE STATIONS IN: INCHES METERS	
SPACECRAFT	
VEHICLE STATION	4240.79 107.716
BASE OF CONARD NOSE CONE	4203.73 106.774
CENTERLINE LAUNCH ESCAPE MOTOR	4185.53 106.312
BOTTOM OF LES SKIRT	3960.03 100.585
TOP OF BOOST COVER	3890.03 98.527
VEHICLE SEPARATION	40.03 97.536
AFT HEAT SHIELD	3749.56 95.239
REACTION CONTROL SYSTEM MODULE	3715.45 94.372
VEHICLE STATION FLIGHT SEPARATION	3594.55 91.301
VEHICLE SEPARATION	3593.50 91.275
PROPULSION MOTOR	
RENDEZVOUS RADAR ANTENNA	
LUNAR MODULE	
L/M FORWARD DOCKING TUNNEL	
VEHICLE SEPARATION	3340.05 84.837
VEHICLE STATION	3285.19 83.443
INSTRUMENT UNIT	
INSTRUMENT UNIT TOP	3258.56 82.767
INSTRUMENT UNIT BOTTOM	3222.56 81.853
S-IVB	
TOP FORWARD SKIRT	3100.56 78.754 554.70 14.089
BOTTOM OF FORWARD SKIRT	
FUEL MASS SENSOR PROBE	
INSTRUMENTATION PROBE	
AUXILIARY PROPULSION SYSTEM (APS) (2)	
FLIGHT SEPARATION	
LOX VENT (FAR SIDE)	2759.00 70.078 213.15 5.414
HELIUM SPHERES (9 PLACES)	
TOP J-2 ENGINE	2645.85 67.204 100.00 2.540
J-2 ENGINE	
BOTTOM S-IVB TOP S-II	2519.00 63.982 -26.98 -0.682
S-II	
BOTTOM OF FORWARD SKIRT	823.00 20.904
LH <sub>2</sub> PROPELLANT MANAGEMENT PROBE	
PRESSURIZATION MAST	
LOX VENT LINE	
TOP OF LH <sub>2</sub> FEED FAIRING 5 PLACES	451.75 11.474
LOX TANK EQUATOR	1848 46.839
LOX FILL & DRAIN (FAR SIDE)	
CRUCIFORM BAFFLE	207.00 5.257
BOTTOM LH <sub>2</sub> FEED FAIRING	173.00 4.394
FLIGHT SEPARATION	
GIMBAL PLANE	158.00 4.013
BOTTOM ULLAGE R M FAIRING	1760.00 44.704 196.00 4.978
J-2 ENGINES (5 PLACES)	100.00 2.540
S-IC	
FLIGHT SEPARATION	0.00 0.000
S-II INTERSTAGE BOTTOM	1541.00 39.141 -23.00 -0.584
LOX VENT	1521.00 38.633
GOX LINE	1511.75 38.398
Y RING	1404.00 35.661
PRESSURIZATION TUNNEL (2 PLACES)	
LOX FEED LINE TUNNEL (5 PLACES)	
Y RING	909.00 23.088
BOTTOM OF LOX TANK	772.00 19.608
TOP OF FUEL TANK	742.00 18.846
FUEL PRESSURE LINE	692.80 17.576
Y RING	605.00 15.367
TOP OF ENGINE FAIRING	362.00 9.194
TOP OF THRUST STRUCTURE	345.70 8.780
INTERCONNECT LOX DRAIN	130.00 3.302
BOTTOM OF ENGINE FAIRING	48.50 1.231
POS III	
BOTTOM OF THRUST STRUCTURE	116.00 2.946
GIMBAL	100.00 2.540

VEHICLE STATIONS IN: INCHES METERS	
SPACECRAFT	
VEHICLE STATION	4240.79 107.716
BASE OF CONARD NOSE CONE	4203.73 106.774
CENTERLINE LAUNCH ESCAPE MOTOR	4185.53 106.312
BOTTOM OF LES SKIRT	3960.03 100.585
TOP OF BOOST COVER	3890.03 98.527
VEHICLE SEPARATION	40.03 97.536
AFT HEAT SHIELD	3749.56 95.239
REACTION CONTROL SYSTEM MODULE	3715.45 94.372
VEHICLE STATION FLIGHT SEPARATION	3594.55 91.301
VEHICLE SEPARATION	3593.50 91.275
PROPULSION MOTOR	
RENDEZVOUS RADAR ANTENNA	
LUNAR MODULE	
L/M FORWARD DOCKING TUNNEL	
VEHICLE SEPARATION	3340.05 84.837
VEHICLE STATION	3285.19 83.443
INSTRUMENT UNIT	
INSTRUMENT UNIT TOP	3258.56 82.767
INSTRUMENT UNIT BOTTOM	3222.56 81.853
S-IVB	
TOP FORWARD SKIRT	3100.56 78.754 554.70 14.089
BOTTOM OF FORWARD SKIRT	
FUEL MASS SENSOR PROBE	
INSTRUMENTATION PROBE	
AUXILIARY PROPULSION SYSTEM (APS) (2)	
FLIGHT SEPARATION	
LOX VENT (FAR SIDE)	2759.00 70.078 213.15 5.414
HELIUM SPHERES (9 PLACES)	
TOP J-2 ENGINE	2645.85 67.204 100.00 2.540
J-2 ENGINE	
BOTTOM S-IVB TOP S-II	2519.00 63.982 -26.98 -0.682
S-II	
BOTTOM OF FORWARD SKIRT	823.00 20.904
LH <sub>2</sub> PROPELLANT MANAGEMENT PROBE	
PRESSURIZATION MAST	
LOX VENT LINE	
TOP OF LH <sub>2</sub> FEED FAIRING 5 PLACES	451.75 11.474
LOX TANK EQUATOR	1848 46.839
LOX FILL & DRAIN (FAR SIDE)	
CRUCIFORM BAFFLE	207.00 5.257
BOTTOM LH <sub>2</sub> FEED FAIRING	173.00 4.394
FLIGHT SEPARATION	
GIMBAL PLANE	158.00 4.013
BOTTOM ULLAGE R M FAIRING	1760.00 44.704 196.00 4.978
J-2 ENGINES (5 PLACES)	100.00 2.540
S-IC	
FLIGHT SEPARATION	0.00 0.000
S-II INTERSTAGE BOTTOM	1541.00 39.141 -23.00 -0.584
LOX VENT	1521.00 38.633
GOX LINE	1511.75 38.398
Y RING	1404.00 35.661
PRESSURIZATION TUNNEL (2 PLACES)	
LOX FEED LINE TUNNEL (5 PLACES)	
Y RING	909.00 23.088
BOTTOM OF LOX TANK	772.00 19.608
TOP OF FUEL TANK	742.00 18.846
FUEL PRESSURE LINE	692.80 17.576
Y RING	605.00 15.367
TOP OF ENGINE FAIRING	362.00 9.194
TOP OF THRUST STRUCTURE	345.70 8.780
INTERCONNECT LOX DRAIN	130.00 3.302
BOTTOM OF ENGINE FAIRING	48.50 1.231
POS III	
BOTTOM OF THRUST STRUCTURE	116.00 2.946
GIMBAL	100.00 2.540

VEHICLE STATIONS IN: INCHES METERS	
SPACECRAFT	
VEHICLE STATION	4240.79 107.716
BASE OF CONARD NOSE CONE	4203.73 106.774
CENTERLINE LAUNCH ESCAPE MOTOR	4185.53 106.312
BOTTOM OF LES SKIRT	3960.03 100.585
TOP OF BOOST COVER	3890.03 98.527
VEHICLE SEPARATION	40.03 97.536
AFT HEAT SHIELD	3749.56 95.239
REACTION CONTROL SYSTEM MODULE	3715.45 94.372
VEHICLE STATION FLIGHT SEPARATION	3594.55 91.301
VEHICLE SEPARATION	3593.50 91.275
PROPULSION MOTOR	
RENDEZVOUS RADAR ANTENNA	
LUNAR MODULE	
L/M FORWARD DOCKING TUNNEL	
VEHICLE SEPARATION	3340.05 84.837
VEHICLE STATION	3285.19 83.443
INSTRUMENT UNIT	
INSTRUMENT UNIT TOP	3258.56 82.767
INSTRUMENT UNIT BOTTOM	3222.56 81.853
S-IVB	
TOP FORWARD SKIRT	3100.56 78.754 554.70 14.089
BOTTOM OF FORWARD SKIRT	
FUEL MASS SENSOR PROBE	
INSTRUMENTATION PROBE	
AUXILIARY PROPULSION SYSTEM (APS) (2)	
FLIGHT SEPARATION	
LOX VENT (FAR SIDE)	2759.00 70.078 213.15 5.414
HELIUM SPHERES (9 PLACES)	
TOP J-2 ENGINE	2645.85 67.204 100.00 2.540
J-2 ENGINE	
BOTTOM S-IVB TOP S-II	2519.00 63.982 -26.98 -0.682
S-II	
BOTTOM OF FORWARD SKIRT	823.00 20.904
LH <sub>2</sub> PROPELLANT MANAGEMENT PROBE	
PRESSURIZATION MAST	
LOX VENT LINE	
TOP OF LH <sub>2</sub> FEED FAIRING 5 PLACES	451.75 11.474
LOX TANK EQUATOR	1848 46.839
LOX FILL & DRAIN (FAR SIDE)	
CRUCIFORM BAFFLE	207.00 5.257
BOTTOM LH <sub>2</sub> FEED FAIRING	173.00 4.394
FLIGHT SEPARATION	
GIMBAL PLANE	158.00 4.013
BOTTOM ULLAGE R M FAIRING	1760.00 44.704 196.00 4.978
J-2 ENGINES (5 PLACES)	100.00 2.540
S-IC	
FLIGHT SEPARATION	0.00 0.000
S-II INTERSTAGE BOTTOM	1541.00 39.141 -23.00 -0.584
LOX VENT	1521.00 38.633
GOX LINE	1511.75 38.398
Y RING	1404.00 35.661
PRESSURIZATION TUNNEL (2 PLACES)	
LOX FEED LINE TUNNEL (5 PLACES)	
Y RING	909.00 23.088
BOTTOM OF LOX TANK	772.00 19.608
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Y RING	605.00 15.367
TOP OF ENGINE FAIRING	362.00 9.194
TOP OF THRUST STRUCTURE	345.70 8.780
INTERCONNECT LOX DRAIN	130.00 3.302
BOTTOM OF ENGINE FAIRING	48.50 1.231
POS III	
BOTTOM OF THRUST STRUCTURE	116.00 2.946
GIMBAL	100.00 2.540

VEHICLE STATIONS IN: INCHES METERS	
SPACECRAFT	
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TOP OF BOOST COVER	3890.03 98.527
VEHICLE SEPARATION	40.03 97.536
AFT HEAT SHIELD	3749.56 95.239
REACTION CONTROL SYSTEM MODULE	3715.45 94.372
VEHICLE STATION FLIGHT SEPARATION	3594.55 91.301
VEHICLE SEPARATION	3593.50 91.275
PROPULSION MOTOR	
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LUNAR MODULE	
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S-IVB	
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LOX VENT (FAR SIDE)	2759.00 70.078 213.15 5.414
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S-II	
BOTTOM OF FORWARD SKIRT	823.00 20.904
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