

TABLE 2-1 CIRCULAR ORBITAL SPEEDS AT VARIOUS ALTITUDES

ALTITUDE (km) h	CIRCULAR SPEED (m/s) $V_c = \sqrt{\mu/R}$	CHANGE IN INCLINATION WITH $\Delta V = 2500$ m/s
300	7726	18.6
400	7668	18.8
500	7613	18.9
600	7558	19.0
700	7504	19.2
800	7452	19.3
900	7400	19.4
1000	7350	19.6
2000	6898	20.9
3000	6519	22.1
4000	6197	23.3
5000	5919	24.4
6000	5675	25.5
7000	5458	26.5
8000	5265	27.5
9000	5091	28.4
10000	4933	29.4
20000	3887	37.5
30000	3310	44.4
36000	3067	48.1
40000	2932	50.5