

OPERATING CONDITIONS	W-1	W-2	W-3	W-4	W-5
CLIMB SCHEDULE	LR	HS	LR	HS	HS
INITIAL WEIGHT (X1000)	84	86	78	88	92
CRUISE PRESS ALTITUDE	34,000	28,000	32,000	22,000	24,000
ISA TEMPERATURE	ISA	ISA	ISA	ISA	ISA
AVG WIND COMP (KTS)	20 HW	30 HW	10 TW	20 TW	40 HW

FIGURE 48.—DC-9 – En Route Climb.

TIME, FUEL, AND DISTANCE TO CLIMB JT8D-1 ENGINES - NORMAL BLEED DC-9 SERIES 10 - HIGH SPEED CLIMB SCHEDULE CLIMB AT 320 KNOTS IAS TO 23500 FT ALTITUDE THEN CLIMB AT M .74							
INITIAL WEIGHT = 86000. POUNDS				INITIAL WEIGHT = 90000. POUNDS			
PRES. ALT. FEET	TIME MIN.	FUEL BURNED LB.	DIST. N. MI.	PRES. ALT. FEET	TIME MIN.	FUEL BURNED LB.	DIST. N. MI.
0.	0.	0.	0.	0.	0.	0.	0.
2000.	0.5	133.	2.8	2000.	0.6	140.	3.0
4000.	1.1	267.	5.9	4000.	1.1	282.	6.3
6000.	1.7	403.	9.3	6000.	1.8	426.	9.8
8000.	2.3	541.	13.0	8000.	2.5	573.	13.8
10000.	3.0	684.	17.2	10000.	3.2	724.	18.2
12000.	3.8	830.	21.3	12000.	4.0	879.	23.1
14000.	4.6	982.	27.0	14000.	4.8	1041.	28.6
16000.	5.5	1141.	32.9	16000.	5.8	1211.	34.9
18000.	6.4	1309.	39.6	18000.	6.9	1390.	42.1
20000.	7.6	1489.	47.4	20000.	8.0	1583.	50.4
22000.	8.8	1684.	56.6	22000.	9.4	1793.	60.3
23500.	9.9	1845.	64.7	23500.	10.6	1968.	69.1
23500.	9.9	1845.	64.7	23500.	10.6	1968.	69.1
24000.	10.2	1886.	66.8	24000.	10.9	2013.	71.5
26000.	11.4	2052.	75.9	26000.	12.3	2196.	81.5
28000.	12.8	2225.	85.8	28000.	13.8	2389.	92.6
30000.	14.3	2410.	97.1	30000.	15.5	2598.	105.4
32000.	16.2	2613.	110.3	32000.	17.6	2833.	120.6
34000.	18.4	2844.	126.3	34000.	20.3	3110.	139.8
36000.	21.4	3136.	147.8	36000.	24.3	3494.	168.0
INITIAL WEIGHT = 88000. POUNDS				INITIAL WEIGHT = 92000. POUNDS			
0.	0.	0.	0.	0.	0.	0.	0.
2000.	0.5	136.	2.9	2000.	0.6	144.	3.1
4000.	1.1	274.	6.1	4000.	1.2	290.	6.4
6000.	1.7	414.	9.6	6000.	1.8	438.	10.1
8000.	2.4	557.	13.4	8000.	2.5	589.	14.2
10000.	3.1	703.	17.7	10000.	3.3	744.	18.7
12000.	3.9	855.	22.5	12000.	4.1	905.	23.8
14000.	4.7	1012.	27.8	14000.	5.0	1072.	29.5
16000.	5.6	1176.	33.9	16000.	6.0	1247.	36.0
18000.	6.6	1349.	40.8	18000.	7.1	1432.	43.4
20000.	7.8	1535.	48.9	20000.	8.3	1631.	52.0
22000.	9.1	1738.	58.4	22000.	9.7	1850.	62.3
23500.	10.3	1906.	66.9	23500.	11.0	2032.	71.5
23500.	10.3	1906.	66.9	23500.	11.0	2032.	71.5
24000.	10.6	1949.	69.1	24000.	11.3	2079.	73.9
26000.	11.9	2123.	78.6	26000.	12.7	2272.	84.4
28000.	13.3	2306.	89.1	28000.	14.3	2476.	96.2
30000.	14.9	2502.	101.2	30000.	16.2	2693.	109.8
32000.	16.9	2720.	115.3	32000.	18.4	2951.	126.2
34000.	19.3	2973.	132.8	34000.	21.4	3258.	147.4
36000.	22.7	3304.	157.2	36000.	26.1	3713.	181.0

FIGURE 49.—High-Speed Climb Schedule.

TIME, FUEL, AND DISTANCE TO CLIMB JT8D-1 ENGINES - NORMAL BLEED DC-9 SERIES 10 - LONG RANGE CLIMB SCHEDULE CLIMB AT 290 KNOTS IAS TO 26860 FT ALTITUDE THEN CLIMB AT M .72							
INITIAL WEIGHT = 78000. POUNDS				INITIAL WEIGHT = 82000. POUNDS			
PRES. ALT. FEET	TIME MIN.	FUEL BURNED LB.	DIST. N. MI.	PRES. ALT. FEET	TIME MIN.	FUEL BURNED LB.	DIST. N. MI.
0.	0.	0.	0.	0.	0.	0.	0.
2000.	0.5	113.	2.2	2000.	0.5	120.	2.4
4000.	0.9	227.	4.6	4000.	1.0	241.	4.9
6000.	1.5	342.	7.3	6000.	1.5	363.	7.7
8000.	2.0	457.	10.2	8000.	2.1	486.	10.8
10000.	2.6	574.	13.3	10000.	2.7	610.	14.2
12000.	3.2	693.	16.8	12000.	3.4	737.	17.9
14000.	3.9	815.	20.7	14000.	4.1	868.	22.1
16000.	4.6	941.	25.0	16000.	4.9	1002.	26.7
18000.	5.4	1070.	29.9	18000.	5.7	1141.	31.9
20000.	6.3	1205.	35.4	20000.	6.7	1286.	37.9
22000.	7.2	1347.	41.7	22000.	7.7	1439.	44.6
24000.	8.3	1498.	49.0	24000.	8.9	1602.	52.5
26000.	9.5	1661.	57.6	26000.	10.2	1780.	61.9
26860.	10.1	1736.	61.8	26860.	10.9	1863.	66.5
26860.	10.1	1736.	61.8	26860.	10.9	1863.	66.5
28000.	10.7	1813.	66.2	28000.	11.6	1948.	71.4
30000.	11.9	1953.	74.6	30000.	12.9	2104.	80.8
32000.	13.3	2102.	84.2	32000.	14.4	2274.	91.7
34000.	14.9	2267.	95.4	34000.	16.3	2464.	104.6
36000.	16.9	2456.	109.2	36000.	18.7	2693.	121.3
INITIAL WEIGHT = 80000. POUNDS				INITIAL WEIGHT = 84000. POUNDS			
0.	0.	0.	0.	0.	0.	0.	0.
2000.	0.5	117.	2.3	2000.	0.5	124.	2.4
4000.	1.0	234.	4.8	4000.	1.0	248.	5.1
6000.	1.5	352.	7.5	6000.	1.6	374.	8.0
8000.	2.1	471.	10.5	8000.	2.2	500.	11.1
10000.	2.7	592.	13.7	10000.	2.8	629.	14.6
12000.	3.3	715.	17.4	12000.	3.5	760.	18.5
14000.	4.0	841.	21.4	14000.	4.2	894.	22.8
16000.	4.7	971.	25.9	16000.	5.1	1033.	27.6
18000.	5.6	1105.	30.9	18000.	5.9	1177.	33.0
20000.	6.5	1245.	36.6	20000.	6.9	1327.	39.1
22000.	7.5	1392.	43.2	22000.	8.0	1486.	46.2
24000.	8.6	1549.	50.7	24000.	9.2	1656.	54.4
26000.	9.9	1719.	59.7	26000.	10.6	1841.	64.1
26860.	10.5	1798.	64.1	26860.	11.3	1928.	69.0
26860.	10.5	1798.	64.1	26860.	11.3	1928.	69.0
28000.	11.1	1879.	68.7	28000.	12.0	2018.	74.1
30000.	12.4	2027.	77.7	30000.	13.4	2183.	84.1
32000.	13.8	2186.	87.8	32000.	15.0	2364.	95.7
34000.	15.6	2362.	99.8	34000.	17.1	2570.	109.7
36000.	17.7	2570.	114.9	36000.	19.7	2826.	128.3

FIGURE 50.—Long-Range Climb Schedule.