

Virtual SAS	NORMAL CHECK LIST	DC9
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PRESTART.

1.	Pins&pitot covers.....	ON BOARD	1.
2.	Circuit breakers.....	CHKD	2.
3.	F/D equipment.....	CHKD	3.
4.	Pneumatic crossfeed.....	OPEN	4.
5.	Battery switch.....	ON	5.
6.	Fire warning.....	CHKD	6.
7.	Electrical power.....	ON & CHKD	7.
8.	Electrical panel switches.....	ALL DOWN	8.
9.	Emergency power.....	CHKD & OFF	9.
10.	Evacuation signal.....	ARMED	10.
11.	Emergency lights.....	CHKD & ARMED	11.
12.	Ice protection.....	CHKD & SET	12.
13.	Anti-skid.....	ARMED & CHKD	13.
14.	Overhead test panel.....	CHKD	14.
15.	Yaw damper.....	ON	15.
16.	GPWS.....	CHKD	16.
17.	Cabin signs.....	ON & SET	17.
18.	Fuel pumps.....	CHKD & SET	18.
19.	Flight recorder & Voice recorder.....	CHKD & SET	19.
20.	External lights.....	SET	20.
21.	Air conditioning.....	SET	21.
22.	Cabin pressure controller.....	SET	22.
23.	Air condition auto shutoff.....	ARM	23.
24.	Annuciator panel & lights.....	CHKD	24.
25.	R NAV.....	CHKD & SET	25.
26.	Radio equipment.....	CHKD & SET	26.
27.	Rudder power.....	PWR	27.
28.	Stabilizer trim.....	CHKD	28.
29.	Hydraulic power.....	CHKD & SET	29.
30.	Landing gear lights & horn.....	CHKD	30.
31.	Brake temperatures.....	CHKD	31.
32.	Autopilot servos.....	ON	32.

Crew at their stations.

33.	Crew stations/Crew papers.....	CHKD	33.
34.	Oxygen masks & supply.....	CHKD	34.
35.	Takeoff warning.....	CHKD	35.
36.	Parking brakes.....	ENG D & CHKD	36.
37.	Horizon & compasses.....	CHKD	37.
38.	Altimeter.....	-hPa --ft	38.
39.	Radio altimeters.....	CHKD & SET	39.
40.	Trim tabs.....	SET	40.
41.	A/C Log/Maintenance release.....	CHKD	41.
42.	Fuel, oil & hydraulic quantity.....	CHKD	42.
43.	APU.....	ON & CHKD	43.
44.	Stabilizer.....	CHKD & SET	44.
45.	Takeoff data.....	CHKD & SET	45.
46.	EPR bugs/N1.....	SET & CHKD	46.
47.	Departure check.....	RCVD	47.
48.	Clear ice check/De-/Anti-icing report.....	RCVD	48.
49.	Check list completed		
	Always before pushback/tow.		
50.	Doors.....	CHKD	50.
51.	Anti-collision light.....	ON	51.
52.	Check list completed		

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AFTER START, NORMAL

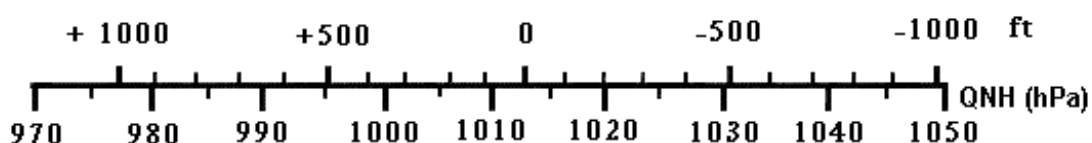
1.	Air conditioning & APU.....	SET	R/P
2.	Electrical power.....	CHKD	P.
3.	Ice protection & fuel heat.....	SET	P.
4.	Pneumatic crossfeed.....	SET	R/P.
5.	Annunciator panel & lights.....	CHKD	P.
6.	Clear signal & lights.....	RCVD & ON	P.
7.	Flaps & slats.....	SET & CHKD	P.
8.	Flight controls.....	CHKD	P.
9.	Hydraulic pressure & pumps.....	CHKD & ON	R/P.
10.	Cabin report.....	RCVD	P.
11.	Check list completed.		

AFTER START, DE – ICING AWAY FROM GATE

1.	Air conditioning/APU air.....	AUTO/OFF	R/P.
2.	Electrical power.....	CHKD	P.
3.	Ice protection & fuel heat.....	SET	P.
4.	Pneumatic crossfeed.....	SET	R/P.
5.	Annunciator panel & lights.....	CHKD	P.
6.	Clear signal & lights.....	RCVD & ON	P.
7.	Hydraulic pressure & pumps.....	CHKD & ON	R/P.
8.	Cabin report.....	RCVD	P.
9.	Taxi to de-icing area		
10.	Air conditioning.....	OFF	R/P.
11.	Parking brakes.....	ENG D	L/P.

De-icing with engines running:

12.	Perform de-icing.		
13.	Clear ice check/De-icing report.....	RCVD	L/P.
14.	Air conditioning.....	AUTO	R/P.
15.	APU.....	SET	R/P.
16.	Clear signal & lights.....	RCVD & ON	P.
17.	Flaps & slats.....	SET & CHKD	P.
18.	Taxi out of de-icing area.		
19.	Alt & aux hydr pumps.....	OFF	R/P.
20.	Flight controls.....	CHKD	P.
21.	Hydraulic pressure & pumps.....	CHKD & ON	R/P.
22.	Check list completed.		



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TAXI

- | | | | |
|----|----------------------------|------------------|------|
| 1. | Flight instruments | CHKD | P. |
| 2. | Brake temperatures..... | CHKD | R/P. |
| 3. | Nav aids, radar & APS..... | SET & CHKD | P. |
| 4. | Transponder..... | SET | R/P. |

When takeoff is imminent:

- | | | | |
|----|-----------------------|-------------------|------|
| 5. | Cabin..... | WARNED | L/P. |
| 6. | Flaps & slats..... | 0/5/15 SET & CHKD | P. |
| 7. | Takeoff data..... | CHKD | P. |
| 8. | Engine runup..... | AS REQD | P. |
| 9. | Check list completed. | | |

LANDING IMMEDIATELY AFTER TAKEOFF (CLIMB CHECK LIST NOT PERFORMED)

- | | | | |
|----|---------------------------------------|--------------------|------|
| 1. | Ignition..... | GRD START & CONTIN | L/P. |
| 2. | Cabin pressure controller..... | SET | R/P. |
| 3. | Air conditioning auto shutoff..... | SET | PNF. |
| 4. | EPR bugs..... | SET | PNF. |
| 5. | Landing weight & data..... | CHKD | P. |
| 6. | Radio altimeters..... | SET | P. |
| 7. | Altimeters & APS..... | -hPa - -ft | P. |
| 8. | Nav aids..... | SET & CHKD | P. |
| 9. | Check list completed to Landing Gear. | | |

CLIMB

- | | | | |
|-----|--|--------------------|------|
| 1. | Uplatch..... | CHKD | PNF. |
| 2. | Altimeters & APS..... | 1013hPa --ft | P. |
| 3. | Radio altimeters..... | SET | P. |
| 4. | Air conditioning auto shutoff..... | OVRD | PNF. |
| 5. | Cabin pressure & Air conditioning..... | CHKD | PNF. |
| 6. | Fuel pumps..... | SET | PNF. |
| 7. | Hydraulic pumps..... | SET | R/P. |
| 8. | Ignition..... | SET | L/P. |
| 9. | Seat belts..... | SET | L/P. |
| 10. | External lights..... | SET | P. |
| 11. | Check list completed. | | |

After a go-around, add:

- | | | | |
|-----|--------------------------------|----------------|------|
| 12. | Spoilers..... | DISARMED | L/P. |
| 13. | Cabin pressure controller..... | SET | R/P. |
| 14. | Check list completed. | | |

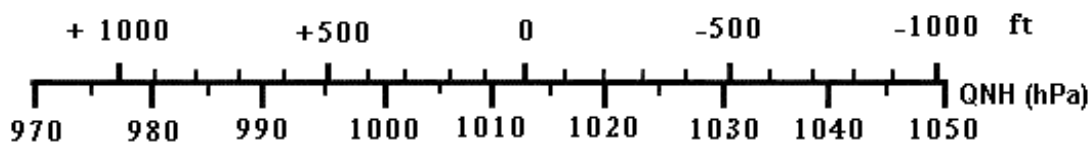
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DESCENT

- | | | | |
|----|---------------------------------|-------------------|------|
| 1. | R NAV..... | SET | P. |
| 2. | Ignition..... | GRD STAR & CONTIN | L/P. |
| 3. | Cabin pressure controller..... | SET | R/P. |
| 4. | EPR bugs..... | SET | PNF. |
| 5. | Hydraulic pumps & pressure..... | HIGH/ON & CHKD . | R/P. |
| 6. | Landing weight & data..... | CHKD | P. |
| 7. | Crew stations..... | CHKD | P. |
| 8. | Check list completed. | | |

NORMAL DESCENT 0.76/280 kt	FL	Time (min)	DESCENT DISTANCE (NM) vs WIND COMP (kt)						Fuel
			Headwind		Wind	Tailwind		(kg)	
			-60	-30	0	+30	+60		
R/D = 1000 fpm to FL 240, then FLT IDLE	350	25	113	125	137	149	161	490	
	330	23	101	112	123	137	151	440	
	310	21	90	100	110	120	130	390	
	290	19	80	89	98	106	115	340	
	280	17	75	83	92	100	109	320	
	270	16	69	77	85	93	100	290	
	260	15	65	72	79	86	93	270	
	250	14	58	65	72	78	85	250	
	CHECK CABIN RATE OF DESCENT								
	240	13	53	59	65	70	76	230	
LW = 42 t Corr + 1NM/t > 42t - 1NM/t < 42t	220	12	47	53	59	64	70	220	
	200	11	44	50	56	61	67	210	
	280	10	40	45	51	56	61	200	
	160	9	37	42	47	52	56	190	
	140	8	32	37	42	46	51	180	
	120	8	28	32	37	41	48	170	
	100	7	25	28	32	36	40	160	
	80	6	21	24	27	30	33	150	
	60	5	17	19	22	24	27	140	
	40	4	12	14	26	18	20	130	
15	3	6	6	7	8	9	110		
For INSTRUMENT APPROACH, add 150 kg fuel and 3 minutes. SPEED: Increase will decrease distance. Decrease will increase distance.									



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APPROACH

- | | | | |
|-----|---|------------------|------|
| 1. | Cabin signs..... | ON | L/P. |
| 2. | Fuel supply, pumps & heat..... | CHKD & SET | P. |
| 3. | Cabin pressure..... | CHKD | PNF. |
| 4. | Check list completed to Transition Level... | | |
| 5. | Altimeters & APS..... | -hPa --ft | P. |
| 6. | Nav aids..... | SET & CHKD | P. |
| 7. | Engine anti-ice..... | SET | L/P. |
| 8. | Check list completed to Landing gear. | | |
| 9. | Gear..... | DOWN & CHECKED | PNF. |
| 10. | Spoilers..... | ARMED | L/P. |
| 11. | Rudder light..... | ON | PNF. |
| 12. | Check list completed. | | |

After a go-around directly followed by an approach

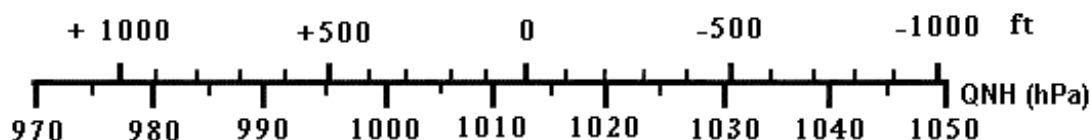
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|-----|---------------------------------------|------------------|------|
| 13. | Radio altimeters..... | SET | P. |
| 14. | Spoilers..... | DISARMED | L/P. |
| 15. | Landing weight & data..... | CHKD | P. |
| 16. | Nav aids..... | SET & CHKD | P. |
| 17. | Check list completed to Landing Gear. | | |

AFTER LANDING

- | | | | |
|----|-----------------------|-------------|------|
| 1. | Spoilers..... | RETRD | L/P. |
| 2. | Flaps..... | SET | R/P. |
| 3. | Ignition..... | OFF | R/P. |
| 4. | Air conditioning..... | SET | R/P. |
| 5. | Radar..... | STBY | R/P. |
| 6. | R NAV..... | OFF | R/P. |

When approaching parking stand:

- | | | | |
|-----|-----------------------|------------------|------|
| 7. | APU..... | AS REQD | R/P. |
| 8. | Air conditioning..... | R OFF | R/P. |
| 9. | Flaps & slats..... | UP & RETRD | R/P. |
| 10. | Check list completed. | | |

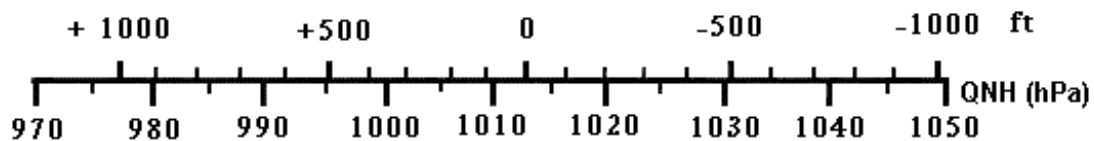


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PARKING

1.	Parking brakes.....	ENG D	L/P.
2.	Seat belts.....	OFF	L/P.
3.	Ice protection.....	SET	R/P.
4.	Fuel pumps.....	SET	R/P.
5.	Anti-collision light.....	OFF	R/P.
6.	Pneumatic crossfeed.....	OPEN	R/P.
7.	Air conditioning.....	SET	R/P.
8.	Lights.....	RETRD & SET	P.
9.	Alt & aux hydr pumps.....	OFF	R/P.
10.	Engine oil quantity.....	CHKD	R/P.
11.	Aircraft log.....	SIGN	CDR.
12.	Fueling info (as required).....	PERFORMED	R/P.
13.	Emergency lights.....	OFF	R/P.
14.	APU.....	SET	R/P.
15.	TODC/NOTOC.....	STOWE/STORE	P.
16.	Check list completed.		



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