

BEFORE STARTING CHECKS

1. Battery 1 e 2 --- **ON**

2. Radio settings:

- a. Intercom --- **ON**
- b. R-828 VHF1 --- **ON**
- c. R-800L1 VHF2 --- **ON**
- d. Frequencies --- **AS REQUIRED**

3. EKRAN-HYDRO --- **OPER**

4. EKRAN Test:

- a. “MASTER WARNING LIGHT” --- **PUSH 2X**
- b. Display EKRAN: “SELFTEST” --- **CHECKED**
- c. Display EKRAN: “EKRAN READY” --- **CHECKED**

5. K-041 --- **ON**

6. ABRIS --- **ON**

7. INU ALIGNMENT:

- a1. ACCELERATED:
 - b1. PVI-800 status switch --- **OPER**
 - c1. INU --- **ON**
 - d1. INU heat --- **AS REQUESTED**
 - e1. SAI --- **ON**

f1. HUD --- **BRIGHTNESS UP**

g1. SIMBOLOGY ИKB/УВ --- **CHECK ON HUD**
(wait 3 min.)

h1. SIMBOLOGY ИKB/УВ --- **CHECK DISAPPEAR**

i1. MAGNETIC DECLINATION --- **CHECK VALUE**

j1. MH/GYRO/MAG --- **MH**

k1. MH/GYRO/MAG --- **GYRO**

8. QFE --- **SET**

STARTING APU

9. Beacon light --- **ON**

10. Fire extinguisher switch --- **WORK**

11. Fuel quantity indicator --- **ON**

12. APU fuel valve --- **OPEN**

13. Forward tank fuel pump --- **ON**

14. Aft tank fuel pump --- **ON**

15. APU Startup:

a. Start button --- **DEPRESS 2-3 sec**

b. “APU ON“ light --- **CHECKED (< 24 sec)**

c. “APU oil pressure normal” light --- **CHECKED**

STARTING ENGINES

16. Rotor Brake --- **DISENGAGE**

17. Left engine fuel shutoff --- **ON**

18. Left EEG switches --- **ON**

19. “TURBO GEAR / APU /LEFT ENGINE / RIGHT ENGINE”
switch --- **LEFT ENGINE**

20. Left engine startup:

- a. Start button --- **DEPRESS 2-3 sec**
- b. 20% N1 --- **OPEN LEFT ENGINE CUTOFF VALVE**
- c. N1 > 60%: “TURBO GEAR / APU /LEFT ENGINE / RIGHT ENGINE” switch --- **CENTRAL POSITION**

21. Right engine fuel shutoff --- **ON**

22. Righth EEG switches --- **ON**

23. “TURBO GEAR / APU /LEFT ENGINE / RIGHT ENGINE”
switch --- **RIGHT ENGINE**

24. Right engine startup:

- a. Start button --- **DEPRESS 2-3 sec**
- b. 20% N1 --- **OPEN RIGHT ENGINE CUTOFF VALVE**
- c. N1 > 60%: “TURBO GEAR / APU /LEFT ENGINE / RIGHT ENGINE” switch --- **CENTRAL POSITION**

25. N1 in IDLE condition > 62% --- CHECKED

26. APU --- SHUT DOWN

27. APU fuel valve --- CLOSED

28. Engine Throttles – RISE TO AUTO

29. AC left generator --- ON

30. AC right generator --- ON

31. SAI --- UNCAGE

32. UV-26 --- ON

33. “NAV” switch --- ON

34. “NAV” Datalink --- DL

35. PVI-800 --- INITIAL SETUP

36. PVTs-800 --- SET ID & TYPE

37. Radio panel:

a. DL switch --- ON

b. VHF-TLK switch --- ON

c. SA-TFL switch --- ON

38. L-140 switch --- ON

39. Stability augmentators

a. “BANK” channel --- ON

b. “HEADING” channel --- ON

c. “PITCH” channel --- ON

d. “ALT-HOLD” channel --- **OFF**

e. “FD” mode --- **AS REQUIRED**

40. “BARO/RALT” altitude mode --- **AS REQUIRED**

41. “DT / DH” route mode --- **AS REQUIRED**

42. Ejection system switches --- **ON**

43. Lightset:

a. NAV LIGHTS --- **100%**

b. FORMATION LIGHTS --- **100%**

44. IFF switch --- **ON**

45. Signal flares power switch --- **ON**

46. Radar altimeter test

a. Alarm setpoint < 15 mt – **SET**

b. Test button --- **PRESS (KEEP)**

c. Signal tone --- **PLAYED**

47. Pitot heating --- **ON** (temp < 5°)

48. RAM-air Pitot heating--- **ON** (temp < 5°)

49. Weapons control system --- **ON**