

**TransNorthern**  
**SA-227**  
**NORMAL PROCEDURES**

**START CHECK**

- |                           |                    |
|---------------------------|--------------------|
| 1. Seat, Belts, Harnesses | SECURE             |
| 2. Batteries              | ON                 |
| 3. Bleeds                 | OFF                |
| 4. Avionics               | OFF                |
| 5. Inverter               | OFF                |
| 6. Beacon                 | ON                 |
| 7. Cabin Sign             | SET                |
| 8. Start Mode             | SERIES or PARALLEL |
| 9. Power Levers           | FLIGHT IDLE        |
| 10. EGT                   | < 200°             |
| 11. Prop & Fuel Cap       | CLEAR/FLAT/CAP     |
| 12. Engine Start          | ACCOMPLISHED       |
| 13. Engine Instruments    | CHECKED            |
| 14. Annunciator Panel     | CHECKED            |
- Repeat Steps 10 through 14 for other engine.

**AFTER START CHECK**

- |                           |                  |
|---------------------------|------------------|
| 1. External Power         | CLEAR            |
| 2. Current Limiters       | CHECKED          |
| 4. Nose Wheel Steering    | ARMED            |
| 3. Bleeds & Environmental | ON & SET         |
| 4. Avionics               | ON               |
| 5. Inverter               | ON               |
| 6. AC Volts               | CHECKED          |
| 7. SAS Clutch             | TESTED & ENGAGED |
| 8. Boost Pumps            | ON & CHECKED     |
| 9. Nav, and Taxi Lights   | AS Required      |
| 10. Windshield Heat       | LOW              |
| 11. Pitot Heat            | AS Required      |
| 12. Start Locks           | RELEASED         |
| 13. Brakes                | CHECKED          |

**BEFORE TAKEOFF CHECK**

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|---------------------------------|------------------------|
| 1. NTS(First flight of the day) | CHECKED                |
| 2. Flight Controls              | CHECKED                |
| 3. Trim                         | 1,2,3,4/SET _____ SIDE |
| 4. Flaps                        | SET and INDICATING 1/4 |

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|--------------------------|--|
| 5. Prop Sync             |  |
| 6. Fuel Bal./Crossflow   |  |
| 7. Nose Wheel Steering   |  |
| 8. Engine Instruments    |  |
| 9. Vac, Deice, Hydraulic |  |
| 10. Anti-ice/Deice       |  |
| 11. Exterior Lights      |  |
| 12. Flight Instruments   |  |
| 13. Crew Briefing        |  |

**LINE UP CHECK**

- |                      |                 |
|----------------------|-----------------|
| 1. Anti-ice, Deice   | AS REQD.        |
| 2. Recog Lights      | ON              |
| 3. Transponder       | ON              |
| 4. Bleeds            | OFF (Above 0°C) |
| 5. Ignition          | AS REQD.        |
| 6. Speeds            | HIGH            |
| 7. Annunciator Panel | CHECK           |
| 8. Flight Timer      | STARTED         |

**CLIMB CHECK**

- |                        |              |
|------------------------|--------------|
| 1. Landing Gear        | UP           |
| 2. Flaps               | UP           |
| 3. AWI                 | OFF          |
| 4. Climb Power         | SET/MONITOR  |
| 5. Bleeds              | ON           |
| 6. Pressurization      | PRESSURIZING |
| 7. Taxi Light          | OFF          |
| 8. Anti-ice, Deice     | SET          |
| 9. Nose Wheel Steering | OFF          |
| 10. Ignition           | AS REQD.     |

**CRUISE CHECK**

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|-------------------------|---------|
| 1. Cruise Power         | SET     |
| 2. Pressurization       | SET     |
| 3. Strobe, Recog Lights | SET/OFF |
| 4. Cabin Sign           | AS REQD |
| 5. Flight Log           | Updated |

**DESCENT CHECK**

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|--------------------|---------------|
| 1. Pressurization  | SET           |
| 2. Recog Lights    | ON            |
| 3. Anti-ice, Deice | SET           |
| 4. Altimeters      | SET " _____ " |

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|--------------|--|
| TAKEOFF/LAND |  |
| CK'D/CLOSED  |  |
| TESTED       |  |
| CHECKED      |  |
| CHECKED      |  |
| TESTED       |  |
| AS REQD.     |  |
| CHECKED      |  |
| COMPLETE     |  |

**IN RANGE CHECK**

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|----------------------------|-------------|
| 1. Seats, Belts, Harnesses | SECURE      |
| 2. Seat Belt Sign          | ON          |
| 3. Pressurization          | SET/CHECKED |
| 4. Fuel Bal./Crossflow     | CK'D/CLOSED |
| 5. Nose Wheel Steering     | OFF         |
| 6. Ignition                | AS REQD     |
| 7. Avionics, Flt Inst      | SET         |
| 8. Crew Briefing           | COMPLETE    |

**BEFORE LANDING CHECK**

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|----------------------|-----------------|
| 1. Landing Gear      | DOWN AND LOCKED |
| 2. Flaps             | SET _____       |
| 3. Prop Sync         | TAKEOFF/LAND    |
| 4. Speeds            | HIGH            |
| 5. Annunciator Panel | CHECKED         |
| 6. Recog Lights      | ON              |

**AFTER LANDING CHECK**

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|-----------------------------|------------|
| 1. Flight Timer             | STOP/ Note |
| 2. Nose Wheel Steering      | ON         |
| 3. Speeds                   | LOW        |
| ----- Clear of Runway ----- |            |
| 4. Inlet Heaters            | OFF        |
| 5. Flaps                    | UP         |
| 6. Ignition                 | AUTO       |
| 7. Transponder              | OFF        |

**SHUTDOWN CHECK**

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|-----------------------------|-----------|
| 1. Bleeds,                  | OFF       |
| 2. Avionics                 | OFF       |
| 3. Inverter                 | OFF       |
| 4. SAS Clutch               | OFF       |
| 5. Boost Pumps              | OFF       |
| 6. Lights (Except Beacon)   | OFF       |
| 7. Generators               | OFF       |
| 8. Prop/Windshield Deice    | OFF       |
| 9. Nose Wheel Steering      | OFF       |
| 10. Trims                   | SET       |
| 11. Engine Shutdown         | COMPLETE  |
| 12. Control Lock,           | SET       |
| 13. Props                   | FULL STOP |
| 14. Batteries               | OFF       |
| 15. Flight LOG              | COMPLETE  |
| 16. Engine Oil & Hyd. Fluid | CHECK     |