

Aircraft Support Equipment Co., Inc.

P. O. BOX 26

MILLVILLE, NEW JERSEY 08332

OPERATING INSTRUCTIONS MODEL 1020 WINDSHIELD PURGING KIT

I. This kit is designed for purging 1121/1123/1124 windshields. It consists of an orifice to restrict flow, a highly accurate pressure regulator, and a safety relief valve.

II. WARNING

- A. Failure to follow these directions, the aircraft manufacturer's recommendations and instructions contained in the aircraft maintenance manuals, and all other safety precautions, could result in the loss of the outer windshields.
- B. DO NOT obstruct the relief valve bleed hole.
- C. Use dry nitrogen only
- D. DO NOT attempt to check the flow by temporarily blocking off the windshield vent fitting.

III. TO PURGE USING THE FITTINGS LOCATED IN THE NOSE COMPARTMENT.

- A. Before connecting to the aircraft.
 - 1. Remove both nose access covers.
 - 2. On aircraft equipped with cockpit purging holes, remove the screws or plugs.

WARNING: High levels of nitrogen can cause suffocation.

- 3. Determine that both windshield overboard vents are open, free of foreign matter, and easily accessible.
- 4. Use dry nitrogen regulated to 10PSI MAX.
- 5. Connect nitrogen supply to the Windshield Purging kit.
- 6. Turn the Windshield Purging Kit regulator adjusting knob out until there is no spring tension.

7. Turn on nitrogen supply (10 PSI MAX) and slowly bring up Windshield Purging Kit pressure by turning in the adjusting knob.
 8. Seal off end of hose with finger and regulate the pressure to 1 to 1½ PSI MAX.
 9. Release hose - the pressure should drop to 0. However there should still be a good flow of nitrogen.
 10. Turn off the nitrogen supply.
- B. Connect the Windshield Purging Kit hose to the windshield vent fitting. Slowly turn on the nitrogen supply, watching the Windshield Purging Kit pressure guage.

NOTE: There will be a small amount of blow by from the saftey relief valve.

Purging time will vary according to the amount of moisture in the windshield.

IV. DISCONNECTING

- A. Turn off the nitrogen supply and allow the pressure to bleed down.
- B. Turn the Windshield Purging Kit regulator adjusting knob out.
- C. Disconnect the hose form the fittings in the nose compartment.
- D. Replace the cockpit purging hole screws or caps.
- E. Replace the nose compartment access covers.

V. TO PURGE FROM THE COCKPIT

- A. Follow directions III-A, 1-10
- B. Remove cover to ~~desicant container~~ and remove hose to windshield.
- C. Attach the Windshield Purging Kit line directly to this hose.
- D. Follow directions III B and IV A-E

VI. TO CHECK DESICANT CONTAINERS AFTER REFILLING.

- A. Attach Windshield Purgig Kit to one end of the container using the line with 2 female ends, and cap the other end of the container.
- B. Place the desicant container in clean water.
- C. Turn on the purging kit following directions in previous sections.
- D. Place finger over the bleed hole on the side of the relief valve.
- E. Slowly turn the regulator to 5PSI and check for air bubbles from the desicant container.