



Subject:	<b>REVISED FROM TSB 48. NITROGEN REGULATOR OPERATION AND SAFETY PRECAUTIONS. PLEASE DESTROY TSB 48 AND USE TSB 49.</b>	TSB #:	<b>49 8-11</b>
		Date:	9/8/11
Initial Once Read:			

A = HIGH PRESSURE GAUGE. Pressure in the supply cylinder.

B = LOW PRESSURE GAUGE. Regulated pressure to components.

C = REGULATOR. Turn clockwise to increase pressure. Anti-clockwise to reduce pressure.

FLUSHING - See page 2 for important safety notes on flushing. **Please use extreme care.**

LEAK TESTING - Complete A/C system. Maximum pressure 1500 kPa (200 psi)

Condenser and Compressor removed max pressure 2,500 kPa (350 psi). Evaporator only max pressure 1100 kPa (150 psi).

D = OUTLET TO COMPONENT. Use standard red, yellow or blue service hoses. Use adaptors or nozzle.

E = SUPPLY CYLINDER HAND VALVE.



- ◇ HAZARDS - Asphyxiant. Heavier than air, largely inert, does not burn.
- ◇ Use no grease or oil on the regulator threads or couplings.
- ◇ Never permit liquid Nitrogen to enter the regulator suddenly. Always open the supply cylinder valve slowly.
- ◇ Fully open the supply cylinder valve when the regulator is fitted and operational.
- ◇ Never leave the supply cylinder valve open when not in use.
- ◇ Do not have or hold any part of your body over an opened valve.
- ◇ Do not handle a regulator with greasy or oily gloves or hands.
- ◇ Nitrogen is non flammable but should not be exposed to any oils or grease.
- ◇ Do not use any organic-based thread sealers on any section of the regulator. Use only Teflon tape.
- ◇ **Never leave pressurised Nitrogen in the regulator.** Purge residual gas from the regulator when not in use.
- ◇ Do not overtighten the hand valves of the regulator.



FLUSHING A/C SYSTEM OR INDIVIDUAL COMPONENTS USING NITROGEN.

**SAFETY PRECAUTION**—if you are using an aluminium solvent flushing canister (see example below) with Nitrogen as the propellant for the solvent **DO NOT** let the regulated pressure exceed **1000 kPa (150 psi)**. If this pressure is exceeded the canister will split and could cause serious personal injury. The manufacturers of these flushing canisters recommend using only filtered compressed air rather than the higher pressure Nitrogen.

**RELATED TO THIS SUBJECT**— information listed in the Adair catalogue version V11 , page 1005 for Adair part number TUNI124 Flushing gun is incorrect. It should read that Nitrogen is **NOT** recommended by the manufacturer to be used as a propellant through this device otherwise explosion could occur. Filtered compressed air being the nominated choice as the pressure is much lower but is still suitable for a flushing solvent propellant.

