

SETTING AIR SUPPLY

1. **Choose settings** Identify the required **vacuum** and **pressure** settings, and the recommended **forward speed**. Check recommended seed discs are fitted in all units.
2. **Check for leaks** Check all hoses are securely connected. Check unused vacuum and pressure ports on fan are securely plugged.
3. **Set valves** Follow this procedure:
 - a) Open fully valves 4 and 5 on fan, start tractor, engage P.T.O. on minimum engine speed.
 - b) Increase tractor engine speed until required vacuum reading shows on vacuum gauge.

SAFETY INSTRUCTION. NEVER EXCEED 540 RPM P.T.O. SPEED.

(Note: if the gauge does not respond immediately to the increase in engine speed, or the belt screams, the fan drive belt is probably slack.

- c) Progressively close valve 4 until the required pressure reading shows on pressure gauge. Increase engine speed if necessary to maintain vacuum level. If pressure reading is too high even with valve 4 fully open, remove plugs from unused pressure ports.
- d) Pour seed into hoppers, turn land drive wheel(s) in forward direction to prime the discs with seed, and readjust vacuum and pressure if necessary (see notes below).

Notes on Setting Valves

- a) Increasing tractor engine speed increases both vacuum and pressure.
- b) Closing valve 4 increases pressure and reduces vacuum.
- c) Valve 5 is normally left fully open: closing it reduces both vacuum and pressure.

BELT TENSION

1. Slacken off the bottom bearing housing nuts and bolts (1 & 2) until the PTO pulley moves under its own weight.
2. Tighten the adjusting screw nut (3) whilst rotating the PTO pulley by hand until the slack is taken out of the belt.
3. For the 17 rib fan, tighten the adjuster screw nut a further 0.83 turns (5 flats on the nut) whilst turning the PTO pulley. For the 26 rib fan, tighten the adjuster screw nut a further 1.5 turns (9 flats on the nut) whilst turning the PTO pulley.
4. The belt will now be under the correct tension. Lock the adjuster nut and tighten the bottom bearing housing mounting nuts and bolts.

