

Model	Sapporo 1600	Galant 1600	Sapporo 2000	Galant 2000
Model date	1978-84	1980-84	1978-84	1980-84
Engine version	1,6/55 kW	1,6/55 kW	2,0/75 kW	2,0/75 kW
Engine number/code	4G32	4G32	4G63	4G63
Transmission type	M.T	M.T	M.T & A.T	M.T & A.T
Carb. fitment date	6.78 - 84	10.80 - 84	6.78 - 84	10.80 - 84
Carburettor type	28 - 32 C28	28 - 32 C28	28 - 32 C28	28 - 32 C28
Identification No.	LL	LL	LR/S	LR/S

### ADJUSTMENTS, Carburettor Installed

#### 1. TAMPERPROOFING

A limiter cap is fitted to the idle mixture screw to prevent indiscriminate tampering with the setting (Fig. 1). On early models an idle limiter cap is fitted. This cap allows 90° movement towards a richer setting. If adjustment is required beyond this point, remove the cap with pliers. After adjustment a new cap should be pressed on in the position shown.

On later models a cap is fitted which slides on the screw. A special screwdriver (MD998288) will be required.

#### 2. IDLE ADJUSTMENTS

##### 2.1 Preparatory Conditions

- All other engine conditions (valve clearances, ignition system) correctly adjusted. See 'Introduction.'
- Induction system without leaks.
- Engine at normal operating temperature.
- Air cleaner in position.
- Crankcase breather connected.
- Choke valve fully open.
- All electrical components switched off including cooling fan.
- Test instruments (rev-counter and exhaust gas analyser) connected in accordance with manufacturer's instructions.

#### 2.2 Idle Speed & CO Level

**Specification: 700 ± 50 rpm**  
**1600 2,5 ± 1,0 % CO**  
**2000 2,5 ± 0,5 % CO**

- Check idle speed as follows:  
Run engine at fast idle for about a minute. Allow engine to idle for about half a minute and note idle speed.
- If outside specified limit, adjust with idle speed screw (A, Fig. 2).
- Similarly check idle CO level.
- If outside specified limit, adjust idle speed screw (A, Fig. 3). See Tamperproofing for details of access to screw.

##### Special Note:

Adjustment must be completed within three minutes, otherwise engine must be run at fast idle for about half a minute to clear excess fuel from manifold.

- Again run engine at fast idle for about half a minute, then recheck settings.

#### 2.3 Fast Idle Speed

**Specification: 2,000 rpm**

- With engine running, fully close choke valve by turning shaft lever (A, Fig. 4). Note engine speed.
- If engine speed higher than specified, adjust by turning fast idle screw (A, Fig. 5).

#### 3. FLOAT LEVEL

**Specifications:**  
**Lowered position 0,9 - 1,0 mm**  
**Raised position 8,0 mm**  
**Fuel level 22 ± 1 mm**

- Remove carburettor float chamber cover.
- Turn cover upside down. Lift float and measure clearance 'X' between needle valve and float lever (Fig. 6).
- If necessary adjust by bending float lever at 'A' with a screwdriver.
- Allow float to rest on needle valve. Using a drill or gauge rod measure gap 'Y' between upper surface of float and float cover face (Fig. 7).
- If necessary adjust by bending float lever at 'B' with a screwdriver.
- Refit float chamber cover.

### ADJUSTMENTS, Carburettor removed

#### 4. CHOKE BREAKER

**Specification: 2,0 ± 0,1 mm**

- Fully close choke by turning choke shaft lever.
- Push choke breaker operating rod into vacuum diaphragm.
- Check gap between choke valve and bore with a gauge rod or drill.
- If necessary adjust clearance by bending choke shaft operating lever (B, Fig. 4) using pliers (Fig. 8).

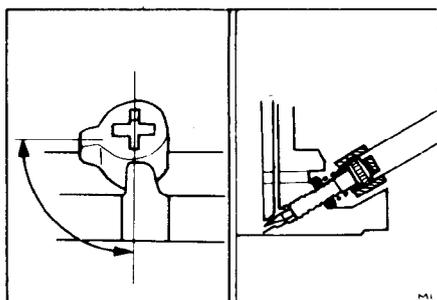


Fig. 1 Idle mixture tamperproofing

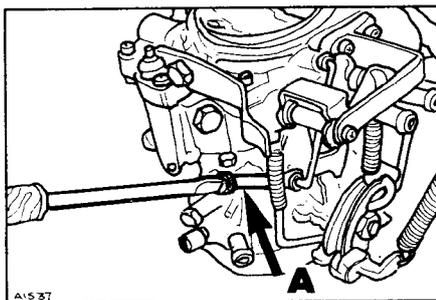


Fig. 2 Idle speed screw

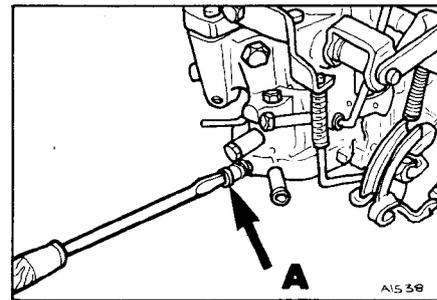


Fig. 3 Idle mixture screw

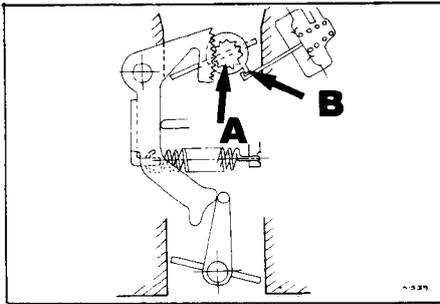


Fig. 4 Auto choke mechanism

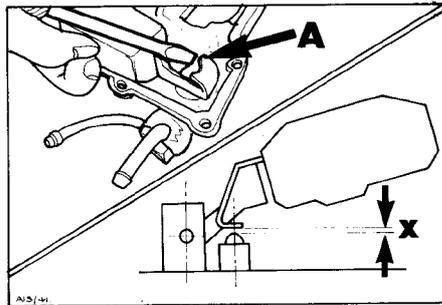


Fig. 6 Float lowered position

5. ACCELERATOR PUMP

Specifications:

Stroke  $6,8 \pm 0,3$  mm

Discharge  $0,93 \pm 0,1$  cc

- a) Measure accelerator pump lever stroke (X, Fig. 9) at inner end through full movement.
- b) If necessary, adjust by bending lever pushrod at point indicated.
- c) Fill float chamber and operate accelerator pump once over a measuring vessel. Quantity of fuel discharged should be as specified.

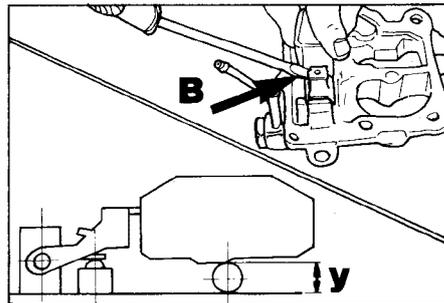


Fig. 7 Float raised position

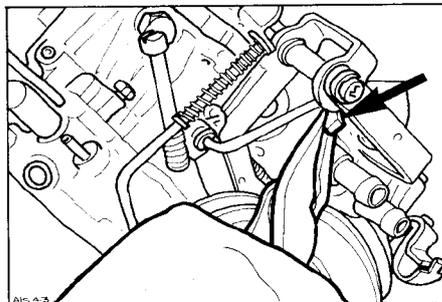


Fig. 8 Adjusting choke breaker

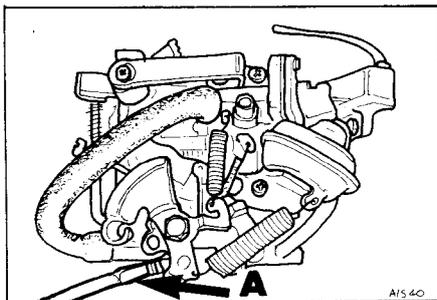


Fig. 5 Fast idle screw

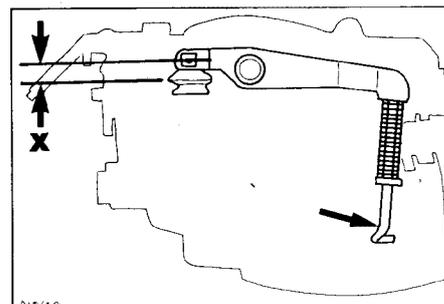


Fig. 9 Accelerator pump