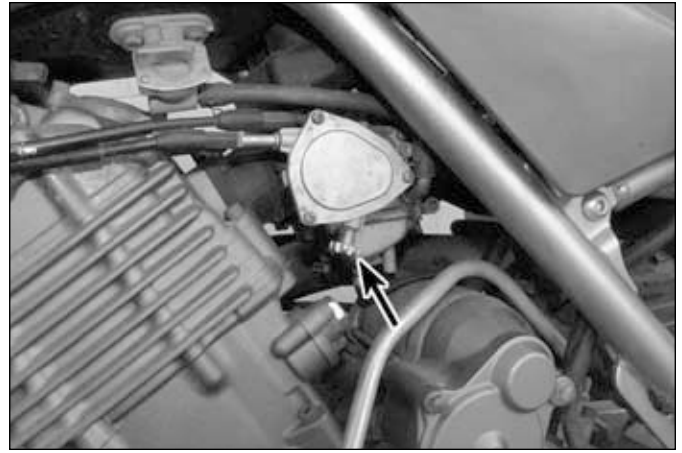




**19.4** If freeplay can't be adjusted at the handlebar, loosen the locknut and adjusting nuts, reposition the cable in the bracket to set freeplay, then tighten the nuts



**20.3a** Throttle stop (idle speed) screw location (660 models)



**20.3b** Throttle stop (idle speed) screw location (700 models)

### Adjusting clutch freeplay at the crankcase

- 4 If necessary, pull the cover back from the adjuster on the right-hand side of the engine (see illustration).
- 5 Loosen the adjuster locknut, then turn the adjuster in or out until clutch freeplay is within the limits listed in this Chapter's Specifications.
- 6 Tighten the locknut securely and slide the cover back over it.

### 20 Idle speed - check and adjustment



- 1 Before adjusting the idle speed, make sure the spark plug gap is correct (see Section 16). Also, turn the handlebars back-and-forth and note whether the idle speed changes. If it does, the throttle cable may

be incorrectly routed. Correct this problem before proceeding.

- 2 Start the engine and warm it up to its normal operating temperature. Make sure the transmission is in Neutral, then hook up an inductive-type tachometer.
- 3 Turn the idle speed adjustment screw (see illustrations) to bring the idle speed within the range listed in this Chapter's Specifications. Turning the screw in increases the idle speed; backing it out decreases the idle speed.
- 4 Snap the throttle open and shut a few times, then recheck the idle speed. If necessary, repeat the adjustment procedure.
- 5 If a smooth, steady idle can't be achieved, the fuel/air mixture may be incorrect. Refer to Chapter 4 for additional fuel system information.

### 21 Throttle cable and speed limiter - check and adjustment



#### Throttle cable

- 1 Before proceeding, check and, if necessary, adjust the idle speed (see Section 20).
- 2 Make sure the throttle lever moves easily from fully closed to fully open with the front wheel turned at various angles. The lever should return automatically from fully open to fully closed when released. If the throttle sticks, check the throttle cable for cracks or kinks in the housing. Also, make sure the inner cable is clean and well-lubricated.
- 3 Measure freeplay at the throttle lever (see illustration). If it's within the range listed in this Chapter's Specifications, no adjustment is necessary. If not, adjust it as follows.
- 4 Pull the rubber boot to expose the adjuster at the carburetor or throttle body

end of the throttle cable (see illustrations). Loosen the adjuster locknut. Turn the adjuster to set freeplay, then tighten the locknut.

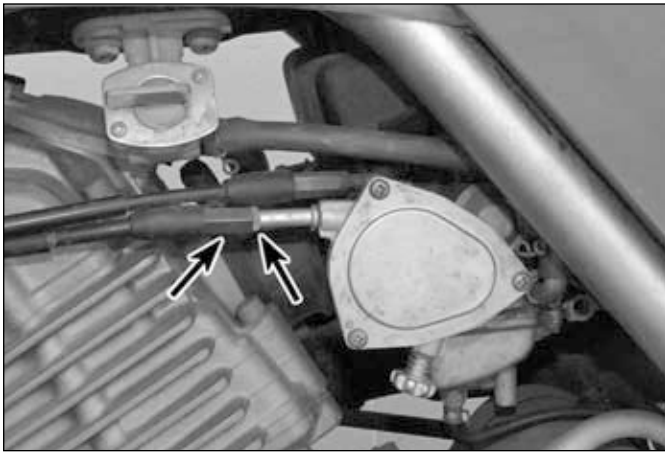
- 5 If freeplay can't be brought within the specified range by adjusting it at the carburetor, pull back the rubber boot from the adjuster at the handlebar end of the throttle cable (see illustration). Loosen the adjuster locknut. Turn the adjuster to set freeplay, then tighten the locknut.
- 6 Reposition the rubber boot(s) over the adjuster(s).

#### Speed limiter

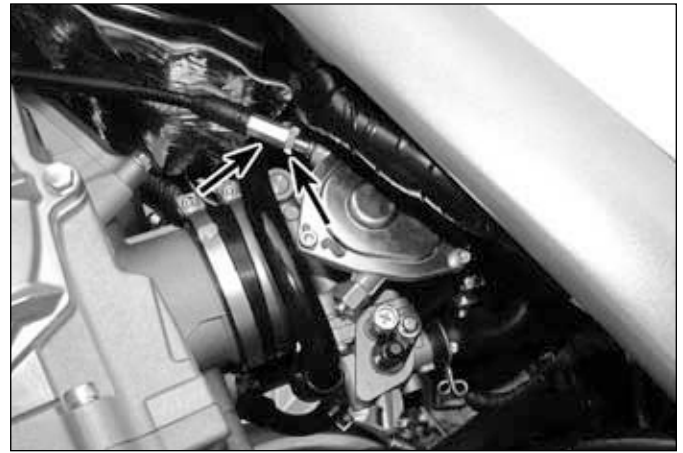
- 7 The speed limiter (see illustration) can be used to restrict maximum throttle opening. Turning the screw in reduces the maximum throttle opening; backing it out increases maximum throttle opening.
- 8 To change the speed limiter screw setting, loosen the locknut, turn the screw in or out as necessary and tighten the locknut. Screw length is measured from the underside of the screw head to the throttle housing.



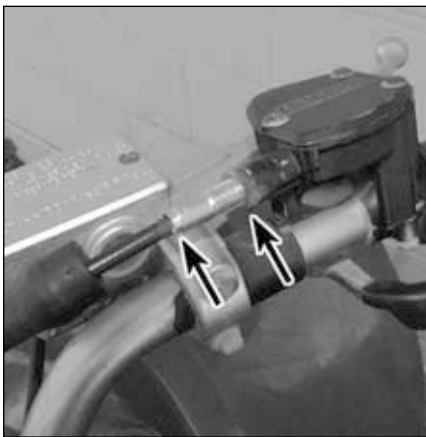
**21.3** Check throttle lever freeplay at the lever tip



21.4a On 660 models, adjust the throttle cable at the carburetors by loosening the locknut (right) and turning the adjusting screw (left)



21.4b On 700 models, adjust the throttle cable at the throttle body by loosening the locknut (right) and turning the adjusting screw (left)



21.5 To adjust the throttle cable at the handlebar, loosen the locknut (right) and turn the adjuster (left)



21.7 To adjust the throttle limiter, loosen the locknut and turn the adjusting screw



22.3 Unscrew the choke valve from the carburetor, operate the choke lever and measure the stroke of the plunger



**Warning:** Do NOT back out the speed limiter screw farther than the maximum setting listed in this Chapter's Specifications;

doing so will affect throttle lever operation.

4 Operate the choke lever and measure the plunger stroke, from fully retracted to fully extended. If it isn't as listed in this Chapter's Specifications, loosen the locknut on the cable, turn the adjuster to obtain the correct stroke, then tighten the locknut (see illustration).



**Warning:** Always disconnect the negative cable first and reconnect it last to avoid sparks which could cause a battery

explosion.

## 22 Choke (carbureted models) - operation check and adjustment

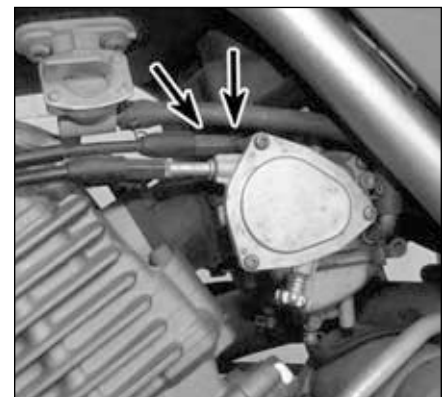


- 1 Operate the choke lever and note whether it operates smoothly.
- 2 If the choke lever doesn't operate smoothly, inspect the choke system (see Chapter 4).
- 3 If the choke lever has too much play or doesn't seem to have full travel, unscrew the choke plunger from the carburetor with the cable attached (see illustration). Don't remove the choke plunger from the cable.

## 23 Battery - check



- 1 All models use a sealed, maintenance-free battery. Periodic checking of the electrolyte specific gravity is not possible. Inspect the battery (see Chapter 5).
- 2 If the vehicle will be stored for an extended time, fully charge the battery, then remove it. Disconnect the negative cable and remove the battery retainer strap. Disconnect the positive cable and vent tube and lift the battery out.



22.4 If necessary, loosen the locknut (right) and turn the adjuster (left) to adjust the choke plunger