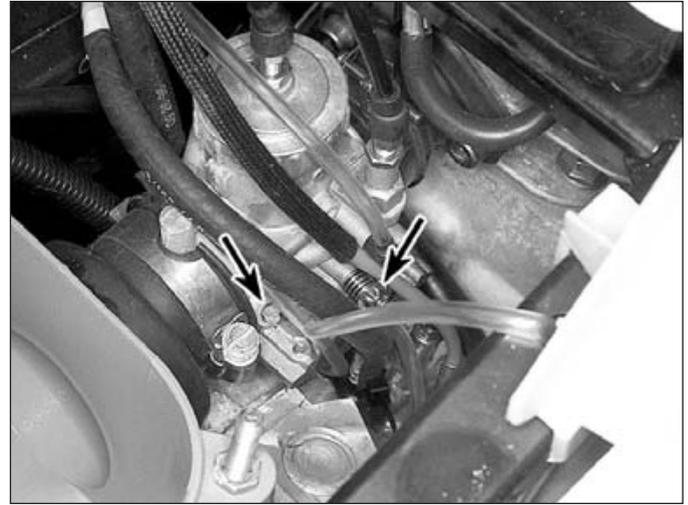
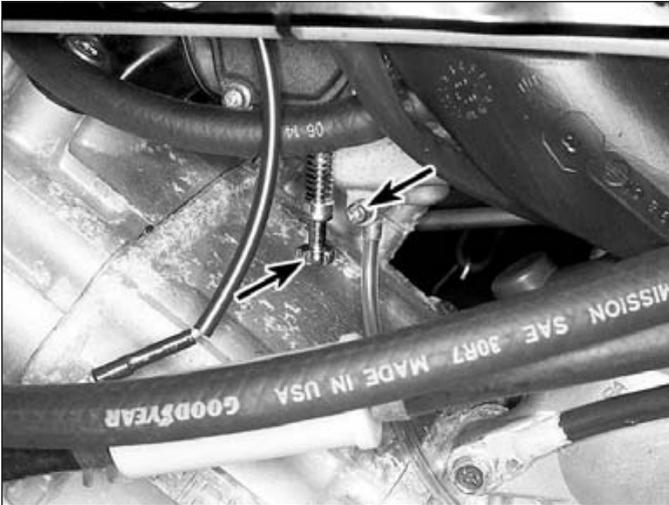


11.1 Check the driveaxle boots for cuts, cracks or deteriorated rubber



12.3a Two-stroke pilot screw (left arrow) and throttle stop screw (right arrow)



12.3b Four-stroke throttle stop screw (left arrow) and float chamber drain screw (right arrow)



12.8 Measure throttle freeplay at the lever tip

A Locknut

B Throttle cable adjuster

- 2 Check the boots for cracks, deterioration and loose clamps. Make sure the boots haven't been running on any part of the vehicle.
- 3 Tighten loose clamps. If the boots have any of the other problems, or if the lubricant has leaked out, refer to Chapter 6 for replacement procedures.

12 Idle speed and throttle operation - check and adjustment

Idle speed

Refer to illustrations 12.3a and 12.3b

- 1 Start the engine and warm it to normal operating temperature. Ten to 15 minutes of stop-and-go riding is usually sufficient.
- 2 Connect a tune-up tachometer to the engine, following the tachometer manufacturer's instructions.
- 3 Check idle speed on the tachometer. Adjust if necessary by turning the idle speed screw (see illustrations).
- 4 After adjusting the idle speed, always check throttle operation and freeplay as described below. If you're working on a 2-stroke, always adjust the oil pump cable as well (Chapter 2 Part A).

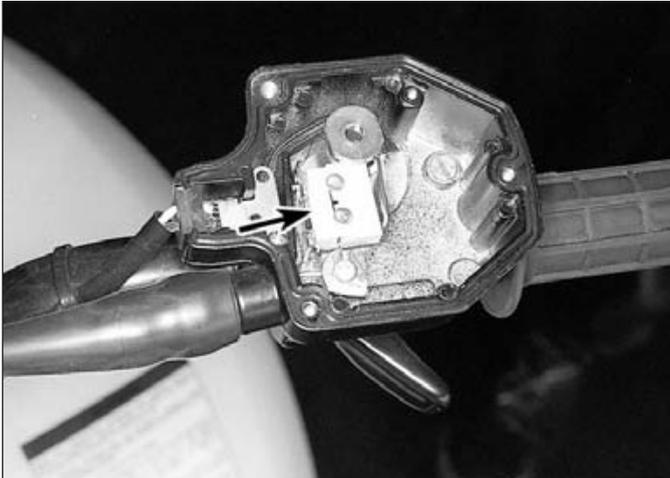
Throttle check

- 5 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 housings. Also, make sure the inner cable is clean and well-lubricated.
- 6 With the engine idling, turn the handlebars all the way in one direction, then all the way in the other direction. Idle speed should not increase. If it does, check the cable for incorrect routing. If the cable is routed correctly, insufficient freeplay may be the problem. **Warning:** This condition can cause you to lose control of the vehicle. Don't operate it until the problem has been found and corrected.

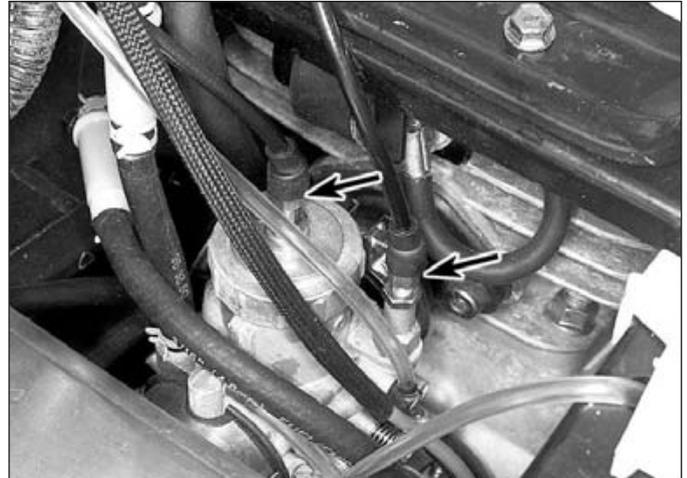
Throttle adjustment

Refer to illustrations 12.8, 12.9, 12.13a and 12.13b

- 7 Engine idle speed must be set correctly before making this adjustment.
- 8 Minor freeplay adjustments can be made at the throttle lever end of the accelerator cable. Pull back the adjuster boot and loosen the locknut on the cable (see illustration).



12.9 The tension of the cable must hold in the switch plunger (arrow)



12.13a Two-stroke throttle cable adjuster (left arrow) and choke cable adjuster (right arrow)



12.13b Four-stroke choke cable adjuster and locknut (left arrows) and throttle cable adjuster and locknut (right arrows)



12.15 Loosen the screw (arrow) to adjust the throttle limiter

9 On later models with electronic throttle control, remove the cover from the throttle housing (see illustration).

10 Operate the throttle lever and check for a small amount of freeplay at the lever (this is the amount the lever moves before engine speed starts to increase). Compare the freeplay to the value listed in this Chapter's Specifications (see illustration 12.8). If it's incorrect, loosen the locknut. Back out the adjuster until engine speed starts to increase, then turn it in until freeplay is as specified. If the vehicle has electronic throttle control, the switch plunger must be held in by the tension of the throttle cable (see illustration 12.9).

11 Once freeplay is set correctly, tighten the locknut. Install the throttle housing cover if it was removed.

12 If the freeplay can't be adjusted at the grip end, adjust the cable at the carburetor end. To do this, first remove the fuel tank (see Chapter 4).

13 Remove the boot from the cable adjuster and loosen the locknut on the throttle cable (see illustrations). Turn the adjusting nut to set freeplay, then tighten the locknut securely.

Throttle lever stop adjustment

Refer to illustration 12.15

14 The throttle lever stop can be used to restrict throttle lever movement.

15 To adjust the stop position, loosen the screw (accessible from beneath the throttle housing) (see illustration). Slide the stop to the desired position and tighten the screw.

13 Choke - check and freeplay adjustment

Check

Refer to illustrations 13.1a, 13.1b, 13.1c and 13.3

1 Operate the choke lever while you feel for smooth operation (see illustrations). If the lever doesn't move smoothly, refer to Section 14



13.1a The choke lever should stay in the full on position . . .