

5.6 Turn the nut (arrow) to adjust the PW50 rear brake



5.7 Measure PW80 brake pedal play at the pedal

this Chapter's Specifications, adjust the brake lever freeplay the same way you would adjust freeplay for the front brake lever (see Step 2). The adjuster is in the cable at the rear wheel (see illustration).

Rear brake pedal (PW80 models)

Refer to illustrations 5.7 and 5.8

7 Apply the rear brake pedal and measure the distance that the end

of the pedal moves from its initial unapplied position to the point at which you feel initial resistance (see illustration). This is the pedal freeplay. Compare your measurement to the pedal freeplay listed in this Chapter's Specifications. If the pedal freeplay is outside the specified range, adjust the brake pedal as follows.

8 Turn the adjuster nut at the rear end of the brake rod (see illustration) in or out to bring brake pedal freeplay within the specified range.



5.8 Turn the adjuster wingnut (arrow) to adjust PW80 brake pedal play

6 Throttle cable freeplay - check and adjustment

Check

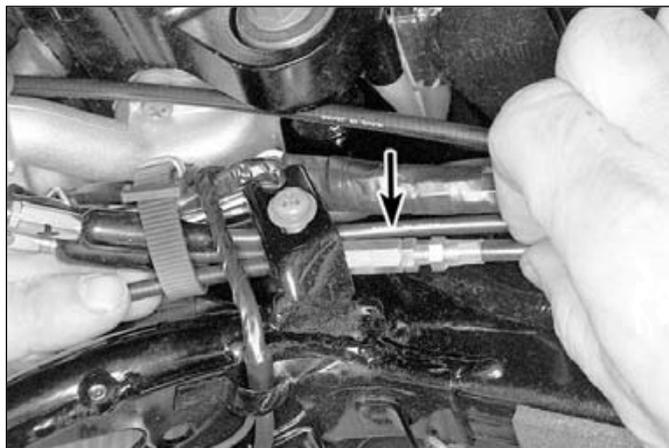
Refer to illustration 6.2

1 Make sure the throttle twistgrip moves easily from fully closed to fully open with the front wheel turned at various angles. The grip 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 (see Section 10).

2 Measure the freeplay at the twistgrip flange (see illustration). The freeplay is the distance that the twistgrip flange travels before you feel an initial resistance (the point at which the throttle cable begins to open the throttle plate) and compare your measurement to the range of freeplay listed in this Chapter's Specifications. If it's not within the specified range, adjust it as follows.



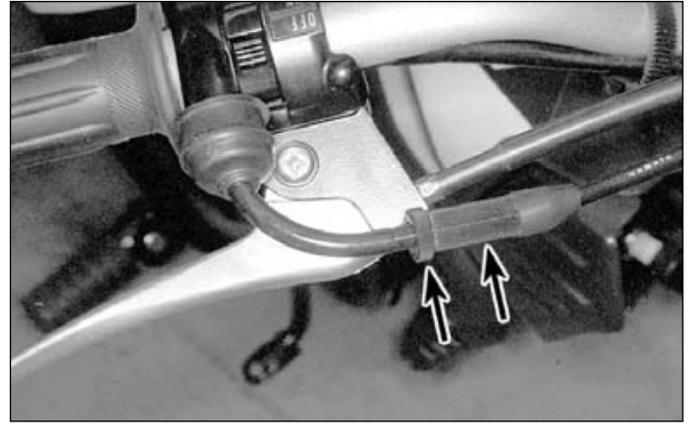
6.2 To measure throttle cable freeplay, measure how far the twistgrip rotates before you feel initial resistance



6.3 Pull on the oil pump cable near the adjuster (arrow) to check its freeplay (PW50)



6.4 On PW50s, loosen the locknut on the throttle cable adjuster (left arrow) and turn the adjuster – the right arrow shows the choke cable



6.7 Loosen the locknut (left arrow) and turn the adjuster (right arrow) to adjust the throttle cable at the handlebar

Cable adjustment

PW50 models

Refer to illustrations 6.3, 6.4 and 6.7

3 Loosen the locknut on the oil pump cable adjuster, then back off the adjuster to create slack in the oil pump cable (see illustration).

4 At the carburetor, pull back the rubber cover from the throttle cable (see illustration). Pull on the cable and measure freeplay at the gap between the end of the cable locknut and the end of the threaded barrel. Compare your measurement to the cable freeplay listed in this Chapter's Specifications. If the cable freeplay is incorrect, loosen the throttle cable adjuster locknut, turn the adjuster to obtain the correct freeplay, then tighten the locknut.

5 Once again, turn the throttle twist grip until you feel initial resistance and measure the freeplay (see illustration 6.2).

7 If the throttle cable freeplay is now incorrect, loosen the cable adjuster locknut (see illustration) and turn the adjuster until the twist-grip freeplay is within the specified range. When the freeplay is correct, tighten the locknut.

8 Recheck the idle speed and readjust if necessary. Make sure idle speed does not increase when the handlebar is moved from full lock in one direction to full lock in the other direction.

PW80 models

14 Turn the throttle twist grip until you feel initial resistance. This is the throttle freeplay. Measure the freeplay (see illustration 6.2) and compare it to the throttle freeplay listed in this Chapter's Specifications.

15 If the throttle freeplay is incorrect, loosen the cable adjuster lock-

nut at the handlebar (see illustration 6.7) and turn the adjuster nut in or out to obtain the specified freeplay. Tighten the locknut.

Throttle limiter adjustment

Refer to illustration 6.16

16 PW50 models are equipped with a throttle limiter that can be used to restrict maximum throttle opening (see illustration). Turning the screw all the way in reduces the maximum throttle opening; turning it out allows increased throttle opening. When the rider is skillful enough not to need the limiter, it can be removed completely and replaced with the plug supplied in the motorcycle's tool kit.

7 Idle speed - check and adjustment

Refer to illustrations 7.3a and 7.3b

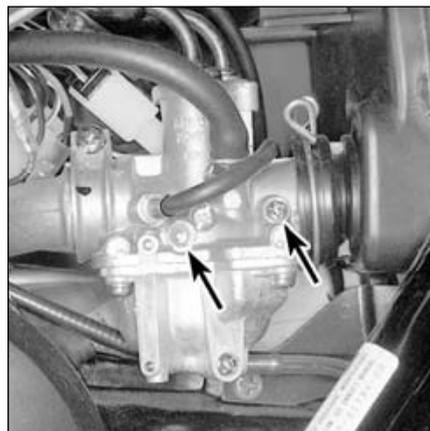
1 Before adjusting the idle speed, make sure the spark plug gap is correct. Also, turn the handlebars back-and-forth and note whether the idle speed changes as the handlebars are moved. If it does, the throttle cable may not be adjusted correctly, or it may be worn out. Be sure to correct this problem before proceeding.

2 The engine should be at normal operating temperature, which is usually reached after 10 to 15 minutes of stop and go riding. Make sure the transmission is in Neutral, then connect an inductive tachometer.

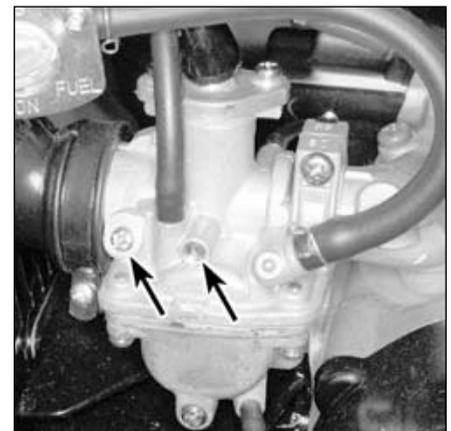
3 Turn in the pilot air screw (see illustrations) until it bottoms lightly, then turn it back out the number of turns listed in this Chapter's Specifications.



6.16 Loosen the locknut (left arrow) and turn the screw (right arrow) to adjust the throttle limiter



7.3a PW50 pilot air screw (right arrow) and throttle stop screw (left arrow)



7.3b PW50 pilot air screw (left arrow) and throttle stop screw (right arrow)