

## Adjuster upgrade for handbrake

**Volvo S60 (-09), S80 (-06), V70 (P26), V70XC, XC90**

In many Volvo models adjusting the handbrake only can be done at the brake cable.

The adjustment can't be adequate if:

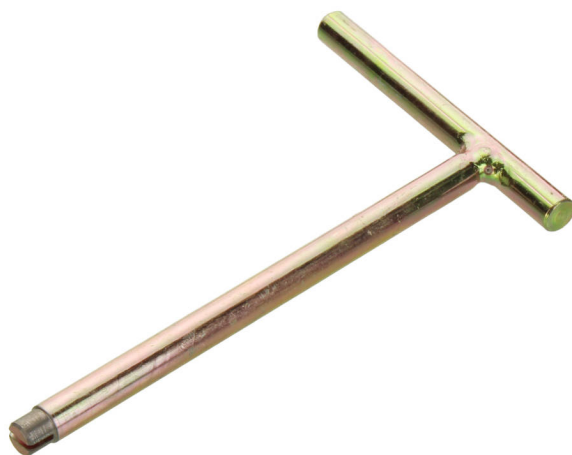
- the brake cables are extended over the years
- the brake shoes are abraded differently
- the brake drum in the disc has made many miles

The sum of these abrasions won't let you adjust the handbrake correctly.

In the past you only could replace the brake disc and shoes.

Now we have an adjuster upgrade for the inside of the brake drum in our program.

It is available for the following models: Volvo S60 (-09), S80 (-06), V70 (P26), V70XC, XC90.



Installing our adjuster is easy to do, but you need the tool 1045714 for the brake shoe locking springs. We show you the upgrade at a Volvo V70 P26



Jack the car up with the rear axle on chassis stands or take it on a lift. If you use a jack, prevent from rolling away with chocks. Dismantle the rear wheels. Remove the centering bolt of the brake discs. To counterhold, use two of the wheel bolts and hold it with a mounting lever. If the car isn't very high over the ground, you can hold up the mounting lever on it and get your hands free.



Now push back the brake pads and unscrew the carrier of the brake caliper.



Now unclip the ABS-sensor cable from the brake hose.



Take off the brake caliper with the carrier and put it aside on a safe position. Don't pull on the brake hose. It would be the best to save the caliper with a cable strap at the spring.



Clip out cover of the hand brake lever and pull it to front.



Now you can see the adjuster of the brake cable.



Unscrew the brake cable about 10 thread turns at the handbrake lever.



Now pull the brake discs from the wheel hub. If it is seized up, use a hammer on the back of the disc and turn the disc meanwhile.



Now the handbrake is open. At first check the brake shoes lying against the counter bearings. If not, open the brake cable a few threads more. Sometimes the brake lever near the counter bearing is seized up, then you have to make it movable or exchange it. (1021782)



Now dismantle the locking springs of the brake shoes with the special tool from Pic No.1. Push it down and move it to the back, then you can take them out.



Now pull off the rear return spring near the distance bracket from the brake shoes. Pull down the bottom brake shoe and take away the distance bracket.



Instead of the distance bracket you have to mount the adjuster. Before you do this, grease the threads and bearing surfaces of the adjuster.



Now you have to mount the return spring over the adjuster. The spring is a little more stretched and located in the outer cog of the adjuster. This is correct.



The remaining assembly of the brake occurs in reserved order of dismantling.

Adjusting the hand brake with the upgraded Adjuster:

-With new brake shoes and discs:

Pull the hand brake lever to the first cog. Tension the brake cable up to brake shoes slightly rubbing against the drum.

Then pull the handbrake a few times and check it again.

After tensioning the brake cables you can adjust the brake shoes with a screwdriver through the boreholes of the wheel bolts.

-with used brake shoes:

Release your hand brake lever.

Spread the adjuster up to slightly rubbing, then screw it one or two cogs back. Pull the hand brake lever on the third cog. Tension the brake cables until the brake is strong. Now pull the hand brake lever a few times. Then put it on the first cog and spread the adjuster to slightly rubbing.

Now the wheels should roll free with released brake lever, they should block at the latest in the fifth cog.



In this picture you can see the adjuster through the thread hole for the wheel bolt.