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## Fitting an Aftermarket Auto Gear Shifter

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This is a bit of a tricky job, but one that can be done with a little patience.

You will need:

- Tomcat Gearknob with fitting kit
- 2 pieces of rubber hose
- Small screwdriver
- Scissors
- Superglue

Remove the standard gearknob as detailed on the [Fitting a new gearstick](#) page.

Cut off the two wires at the bottom of the Tomcat, you dont need these for an FTO. Then place it over the bare shaft and measure the space between the bottom of the Tomcat and the base of the shifter. Take the black plastic bottom part supplied with the gearknob and cut it to this length. Test fit again to make sure it's the right length.

Remove everything and take the white slider inner out the Tomcat. Get a piece of rubber tubing with an inside diamter the same size as the bottom of the bare gear shaft. Cut it to approx 1cm in length. Feed this down inside the white slider to the bottom, making sure it lines up with the square-ish hole at the bottom of the white slider.



Dont forget - you need to put the bottom black rubbery bit over first! Next, place the white slider with the rubber hose insert down over the bare shaft to approx the right position low down on the shaft. Take the other piece of hose (a piece of old fuel hose will do) with an inside diamter to fit around the threaded section of the bare shaft and cut it to approx 2.5cm long. Place this over the shaft. Take the plastic stopper supplied in the kit and place this on the end of the shaft. You are now ready to place the Tomcat onto the shaft.

Feed it down over the arrangement of plastic parts until it's just resting on the stopper. Feed in the two grub screws at the back. These should bite into the rubber hose through the square hole in the white slider.

Screw them in part way. You can then test the gearstick to make sure it works well. It may need a little movement up or down to work well. This is the tricky part.

When your satisfied, feed in the middle of the three front screws until it's firm against the shaft. Test it once again. If it remains suitable then fit in the other 2 screws at the front and tighten up the grub screws at the back. Dont over-tighten the front screws though or you may stop the inner shaft moving up and down smoothly!

Once you've balanced all the screw's tightness properly the Tomcat should operate correctly. Check once again that all the shifter positions can be selected and that you can get the key out of the ignition! If there's a problem you'll have to loosen off the screws and grubs and shuffle the Tomcat a little and tighten them up again and see if that's any better. It may take a few attempts.



If you're happy then place the front cover over the 3 front screws and add a tiny dab of superglue to the edge of the black rubbery part at the bottom to secure it to the bottom of the Tomcat. The job is done.

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