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4H-TECH Short Shifters. **Power shifters for quicker and shorter gear changes**

Fitting instructions for 4H-Tech BE4X-Shift Short Shifter.



The following fitting guide is suitable for all cars which have the BE4 transmission shifter, but it can differ from your own situation.

Remove the airbox in front of the battery by popping up the plastic clip and pushing the retaining clip towards the battery. Disconnect the negative pole of the battery and remove the ECU cover.



Remove the power distributor on top of the battery and push it to the right side of the battery and leave it there.



Remove the battery cover and disconnect the positive pole of the battery.

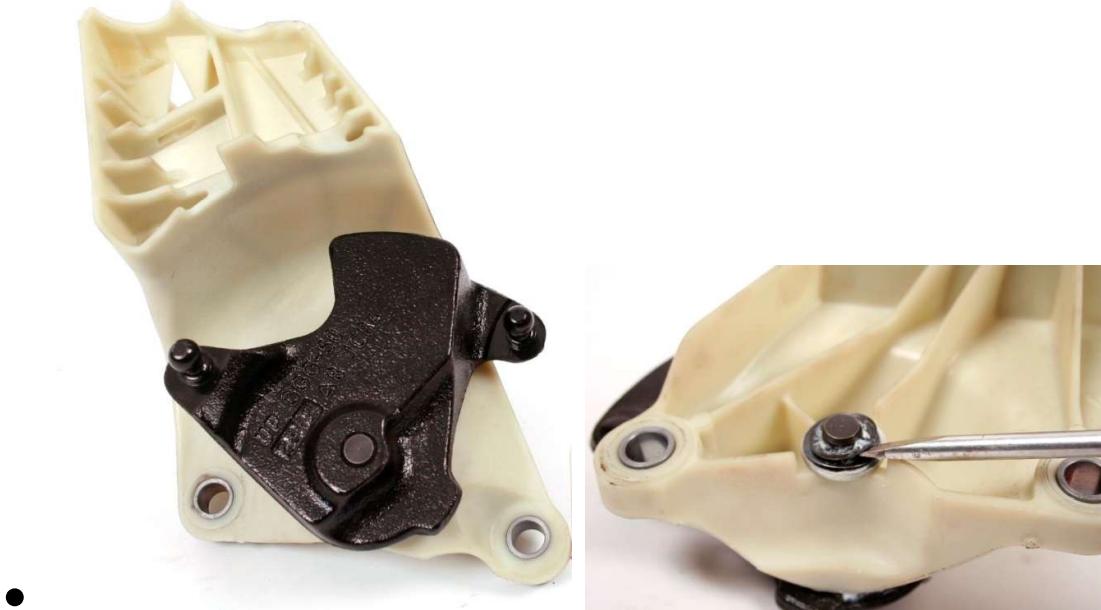
Remove the bolt securing the battery with a 13mm socket wrench and remove the battery.



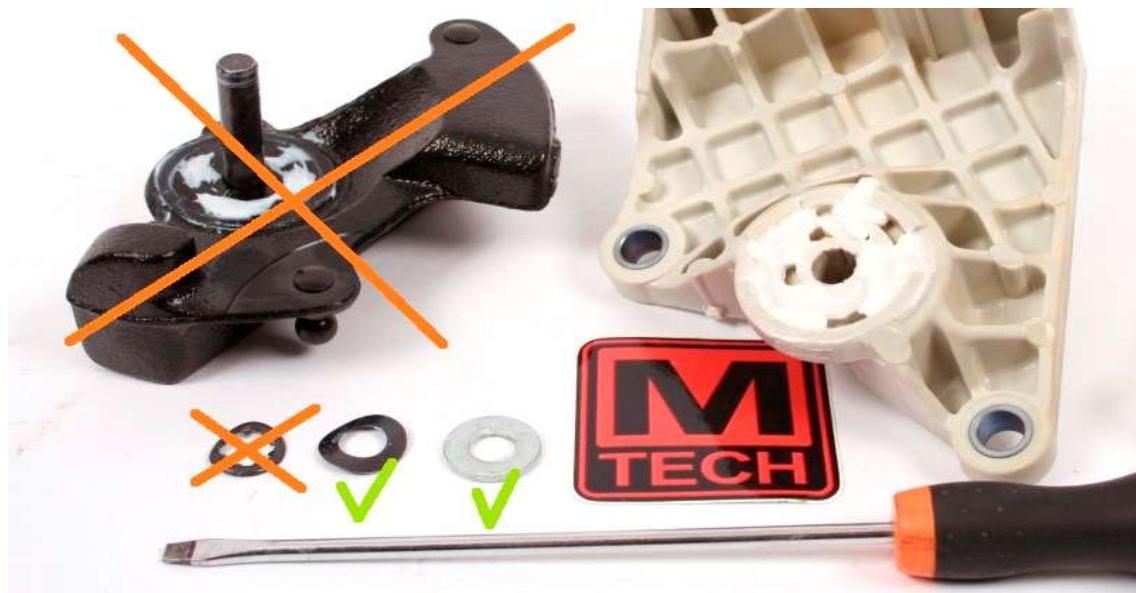
Remove the battery tray and remove the second (metal) battery tray . (M8 bolts)
 Remove the shift cables on the top and on the left side of the shift linkage by using a 11mm spanner as leverage. Remove the plastic connecting rod the same way with a 7mm spanner. This one is a bit difficult to reach. Jack up the front of the car and remove the left front wheel. In the wheel arch there is a hole. You can see the underside of the white plastic bracket where the original shift linkage is mounted on. Remove the nut securing the bottom of the white bracket with a 11mm socket wrench.



Remove the two bolts on top of the white plastic bracket. And flip the bracket & shift linkage over so you can see the underside.

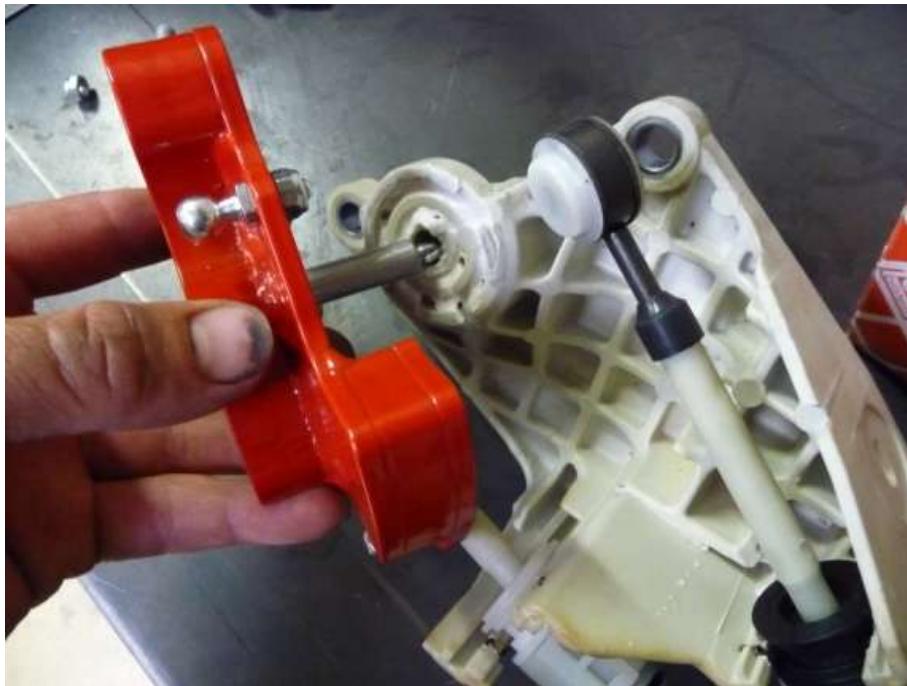


- Locate the original Shift linkage **on top of the gearbox**. Remove this from the car including the plastic bracket like shown on the first picture. Make also very sure your original shift linkage looks **exact like this one** on the picture because different types are existing. (which are used on other Peugeot and Citroën models)
Turn the bracket around and remove the retaining clip with the use of a screw driver like shown on the second picture.



The big ring and the spring ring must be used to fit the new short shifter to the bracket. The retaining ring can be left away, because the new shifter will be fastened

with a M6 nut.



Put Grease on the shaft and the lower part of the short shifter as shown on the picture. (white grease) Fit the short shifter on the bracket, and fit all rings and nuts in the right order back, and secure the shifter shaft with the use of the new secure ring which came with the short shifter kit. (The shifter must be able to rotate freely)



Rings fitted.

Press the supplied secure ring on the shaft.



Flip over the plastic bracket again and secure it with the two bolts using a 13mm socket wrench. Secure the underside of the plastic bracket with the nut using a 11mm socket wrench. Put the wheel back on and lower the car.

Pop on the two (cables)gear linkages on the top of the short shifter and the plastic gear linkage bar at the back. If the these are secured get in the car and test all. If you're satisfied secure the metal battery tray(one 13mm bolt), the plastic battery tray(two 13mm bolts) and put the battery back in. Secure it with the bolt fitting(13mm)

Connect the positive pole of the battery and put the battery cover back on. Secure the power distributor back on top of the battery. Refit the ECU and re-connect it. Refit the ECU cover and connect the negative pole of the battery. Refit the airbox in front of the battery

Make a test drive and check if all gears can be engaged. Enjoy 35% less gear throw and that lovely ``Klick-klack`` feeling. Now your car shifts like a racecar, but always remember to be safe and don't get overly excited on the public roads out there.

Protected Design. This Short Shifter is 100% developed, tested and produced by 4H-Tech®, and is protected under international copyright, trademark and other laws.

