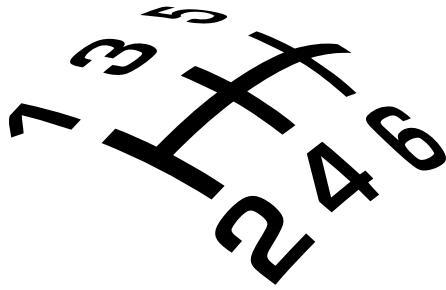


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4H-TECH Short Shifters. **Power shifters for quicker and shorter gear changes**

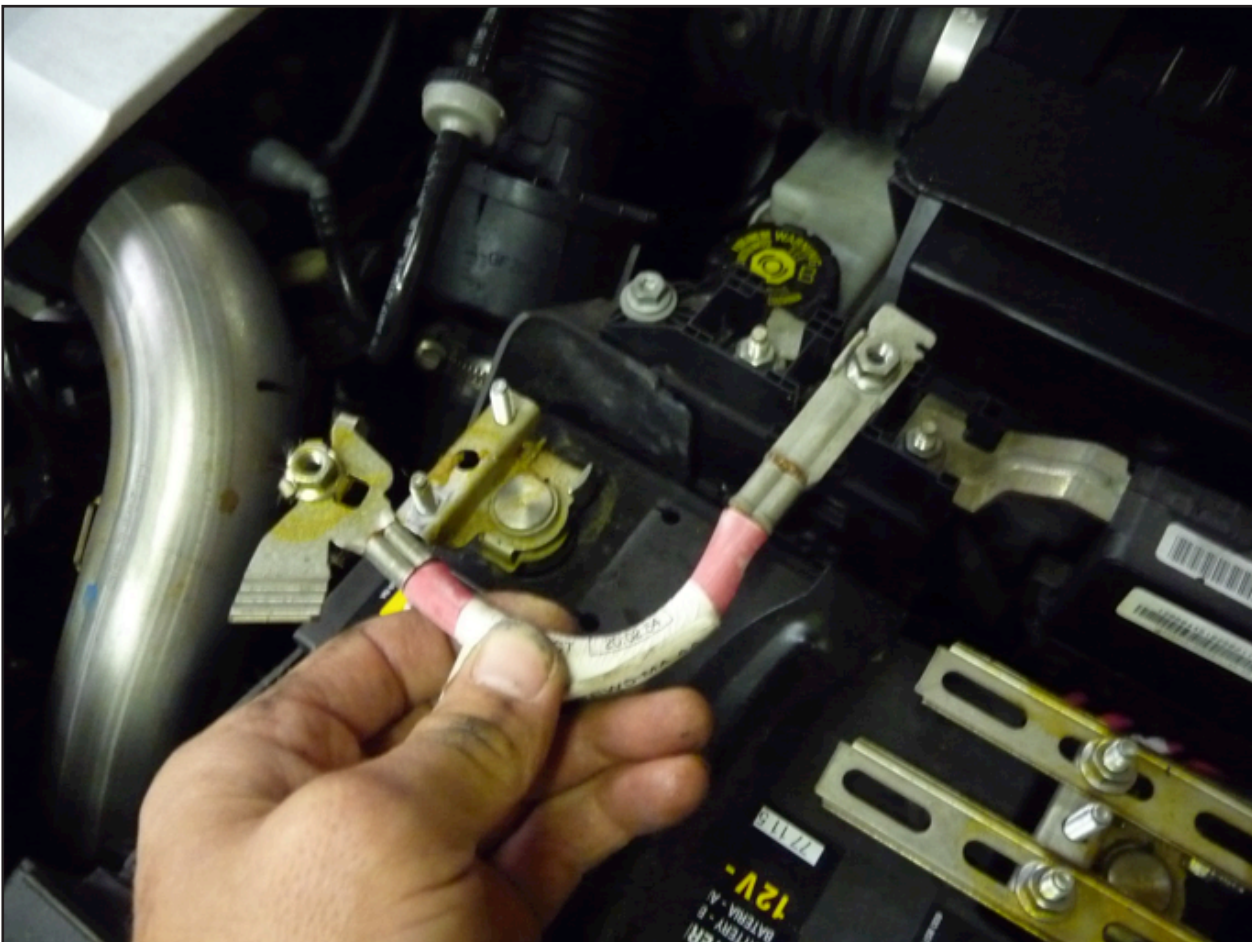
Fitting instructions for 4H-TECH PK4 Short Shifter.



The following fitting guide is made on a Renault Megane 3 RS. But you can use this guide also on other Renault vehicles with the PK4 transmission fitted. Fitting might differ a little bit from this guide in that case, but fitting the PK4 shifter on these other cars is basically the same.



Remove battery cover and 12V plus cable (2x M6)





Remove the negative cables, and remove the battery bracket.





Remove the battery and also the air duct for the ecu cooling.



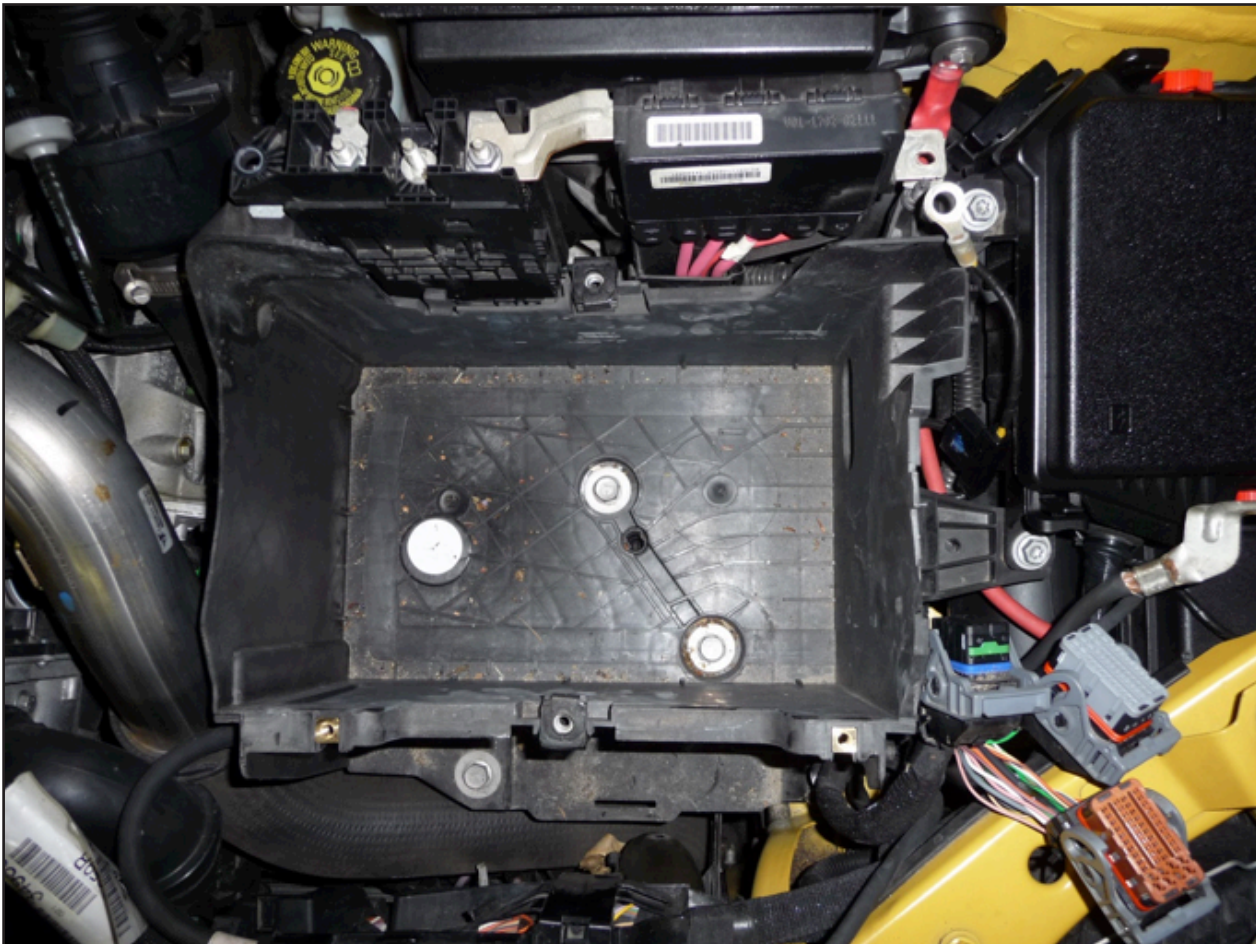


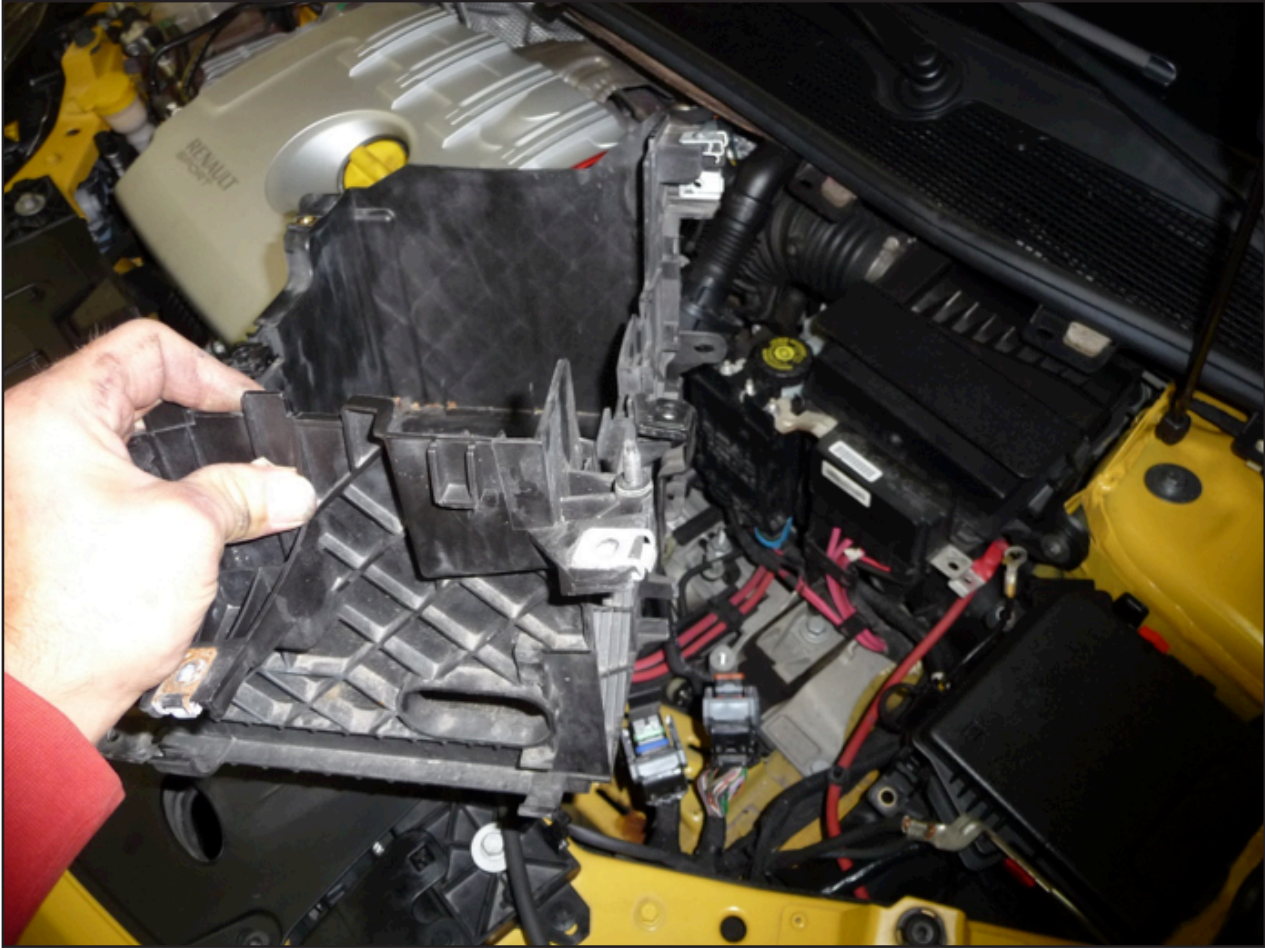
Remove the ECU cover and pull the ecu up. Unlock the 3 connectors and remove ECU.



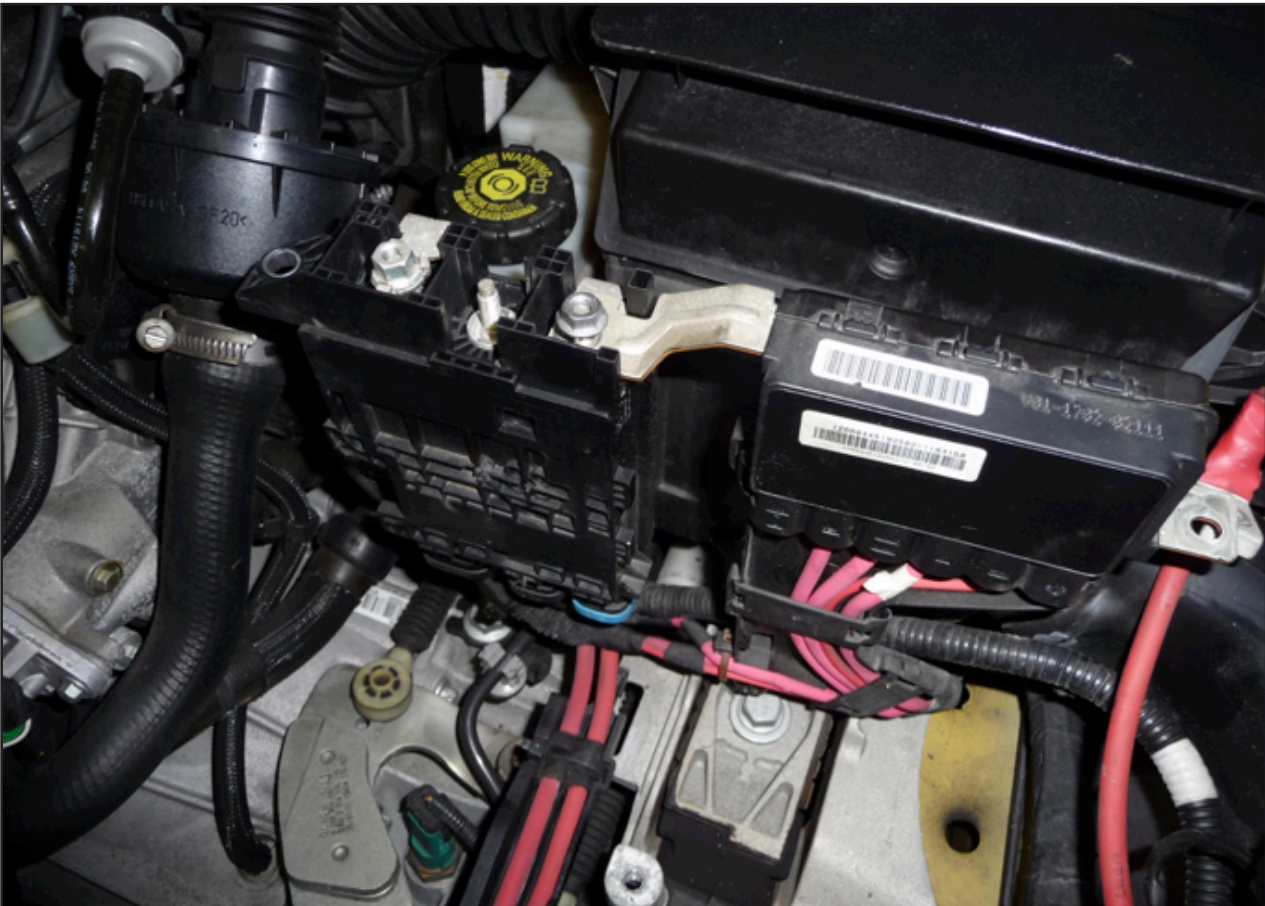


Remove all bolts which hold the battery tray.





Take out the battery tray. (be careful for the wiring looms around it)
Some cables are attached tot his tray. Remove the 2 nuts from the power 12v distribution block.



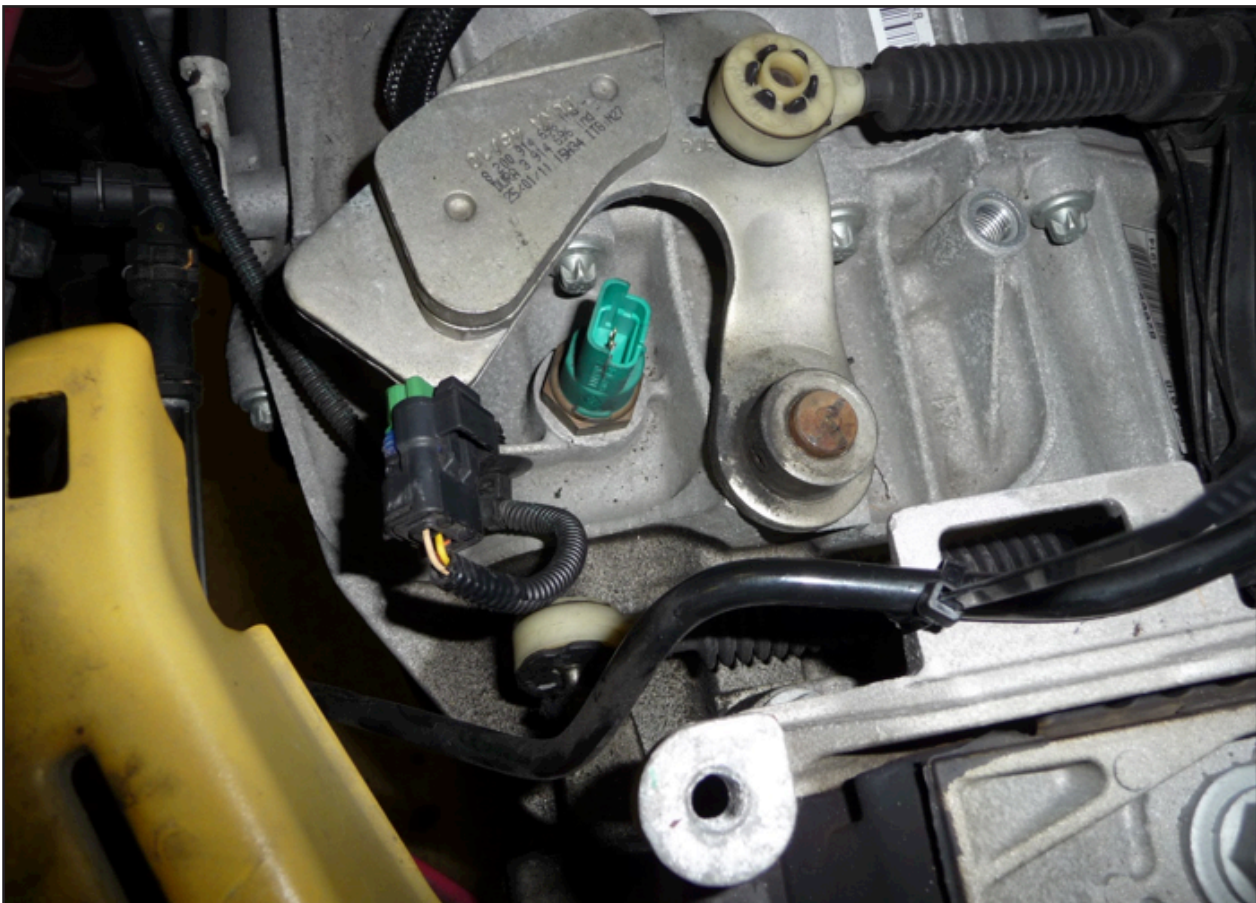


Take the two 12V distribution boxes and put them aside.
Unlock the oil pipe for the clutch release bearing. (2 clips)





Ty this pipe tot he engine bracket with a ty-rib. (makes working easier)
Take of the connector of the gearbox switch.





Remove this bracket, and use a spanner to unclip the shift cable.





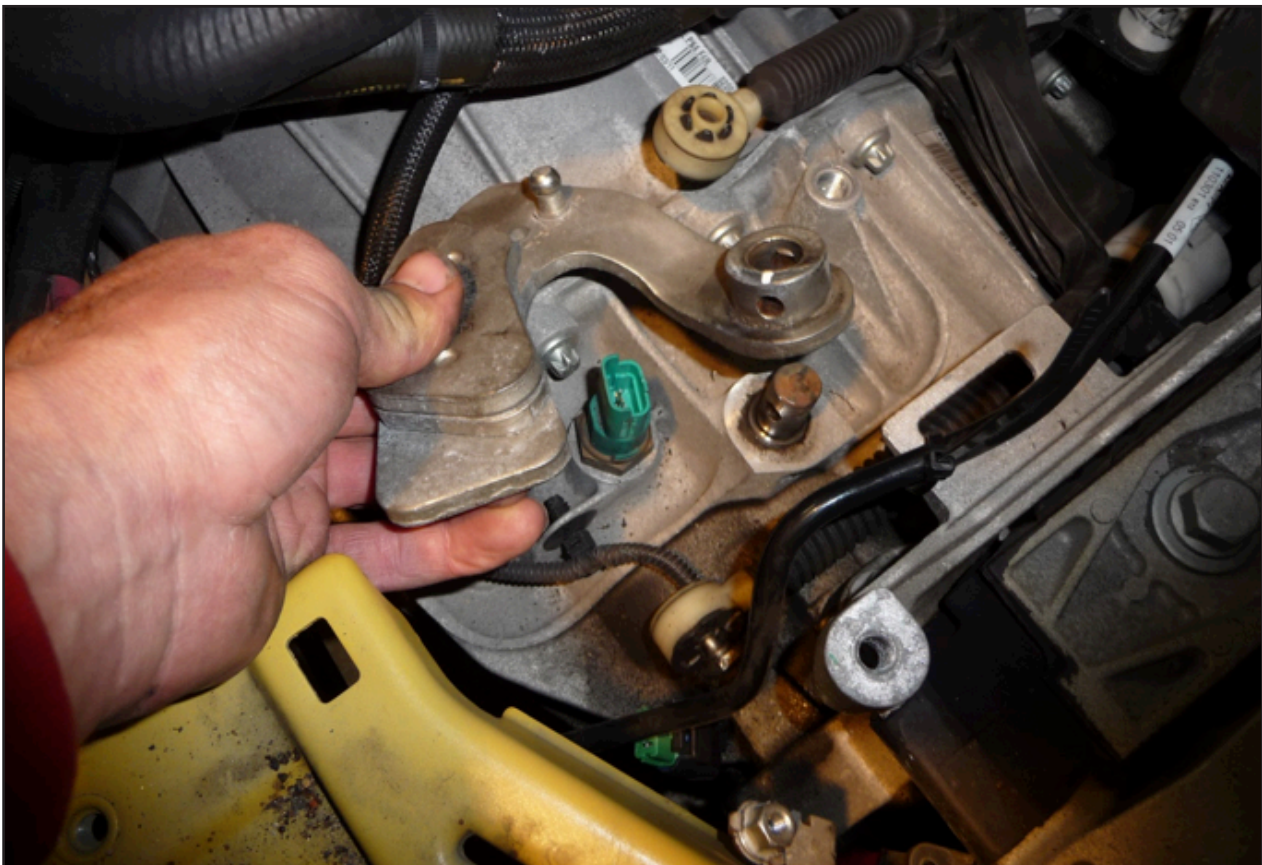
Put a mark on the shift shaft to locate the pin which can be removed by the supplied pin removing tool. Put the removal tool over the shifter and use the inbus bolt to press out the pin which holds the shifter to the shaft. Careful!, this pin can be rusted on older cars and therefore can be pretty stuck. Apply some anti rust penetrating oil in these cases.

Tip: You can make removal of this pin a little easier by removing the inner smaller pin first (there is a smaller pin inside), and then press out the outer pin with the removal tool.



Remove the old shifter arm, and spray some anti rust oil on the pin which has been removed by the tool. This pin consists of 2 parts, which can be separated.

Put some oil or grease on the outer pin, and knock it into the new shifter arm as shown on the pictures.





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Put the new shifter arm on the gearbox shaft, and use some pliers to press the pin into the shaft. The connector from the gearbox switch can also be connected again.



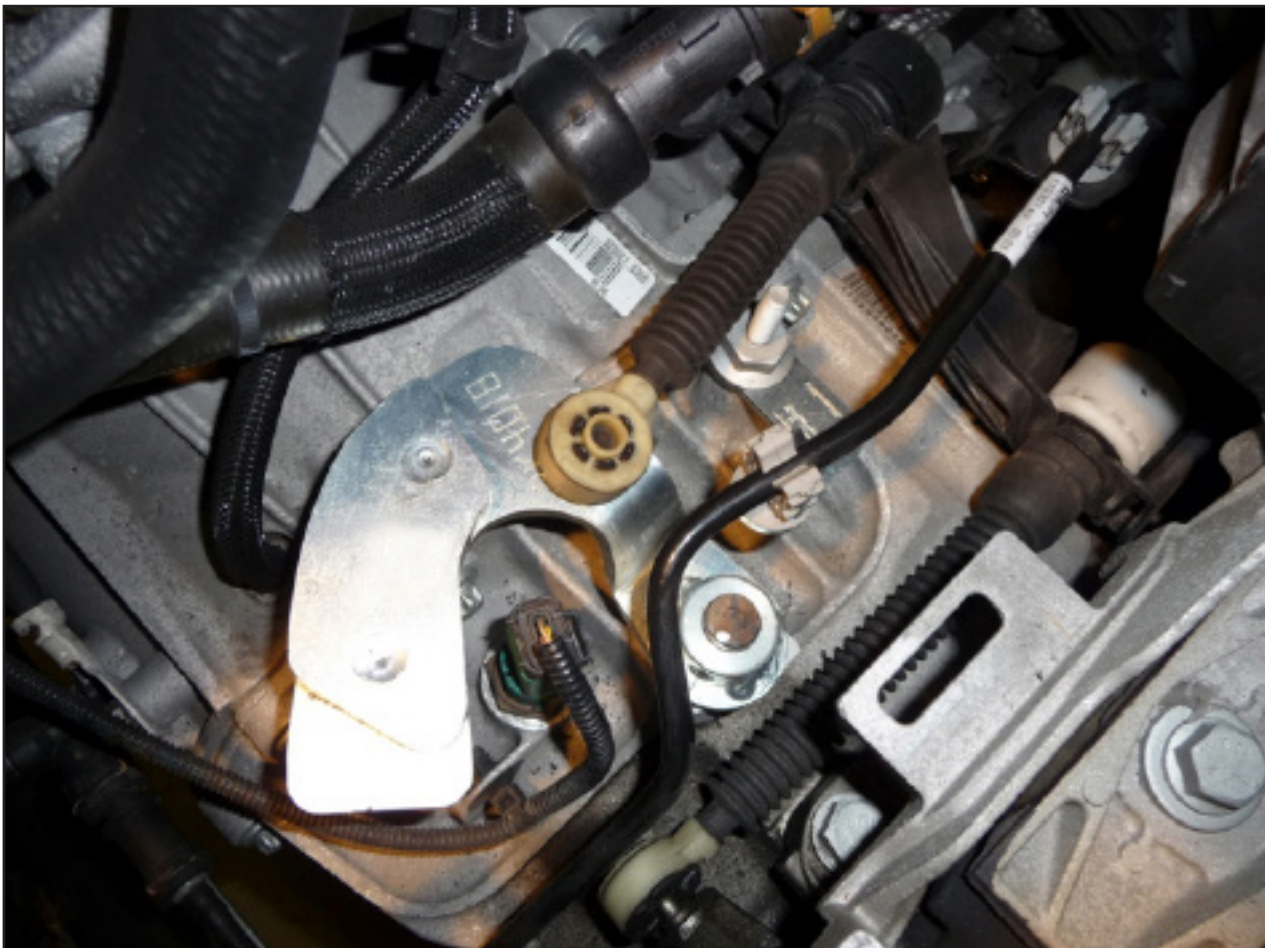
Take the inside pin and press it in the outer pin, again with some pliers.



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Remove the gray clip from the old bracket and put it on the 4H-TECH bracket. Fit it back on the gearbox.



Press the oil pipe into the 2 gray clips and press the shift cable on the bolt head from the shifter. Fitt all car parts back in reverse order.



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Make a test drive and check if all gears can be engaged. Enjoy 30% 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.