

Forge Motorsport 5 speed short shift fitting guide

Forge Motorsport Adjustable Quick Shifter components.

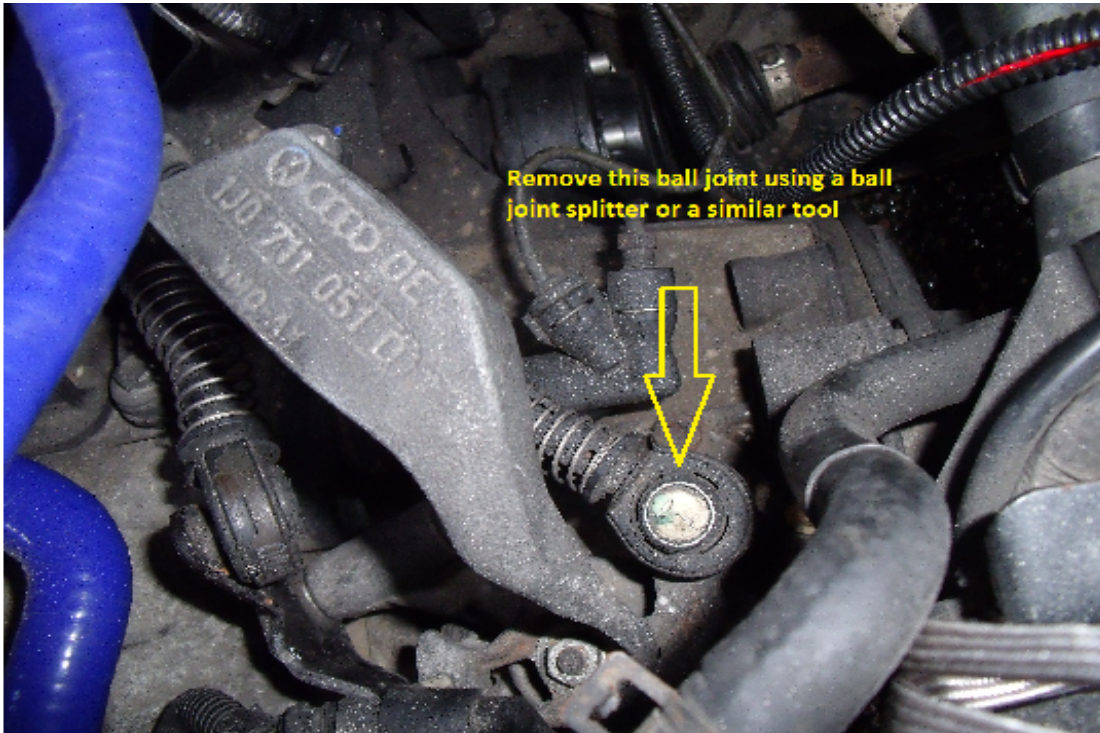
Please thoroughly read through and familiarize yourself with these instructions in their entirety prior to beginning any part of the installation process for any component. Ensure that the vehicles engine has cooled down sufficiently to avoid risking skin burns or other injury. Work gloves and protective eyewear are recommended.

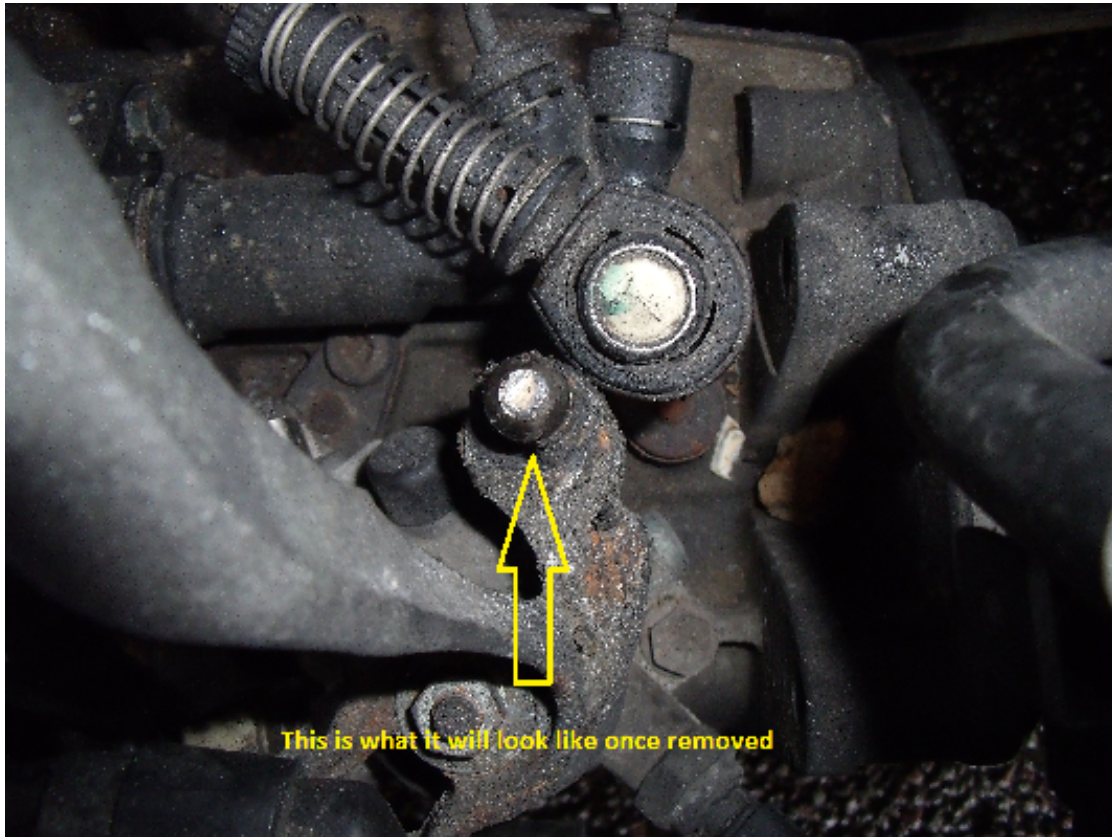
Tools Required

13mm socket.
16mm deep well socket and/or 16mm wrench/spanner.
Socket extensions.
Ratchet.
Screw driver.
Ball joint splitter (or similar tool).

Begin by parking the vehicle on level ground, and engaging the parking/emergency brake, leaving the gear shift lever in the neutral position.
Open the hood/bonnet of the vehicle and remove the factory air box or aftermarket intake to gain access to the shift linkage.
You may also wish to remove the battery and battery tray for extra room to work, but this is generally not necessary.

Using a ball joint splitter or similar tool (Small wooden wedges may suffice) to prise the gear stick cable ball joint off of the shifter as pictured below, you should be left with a ball joint.

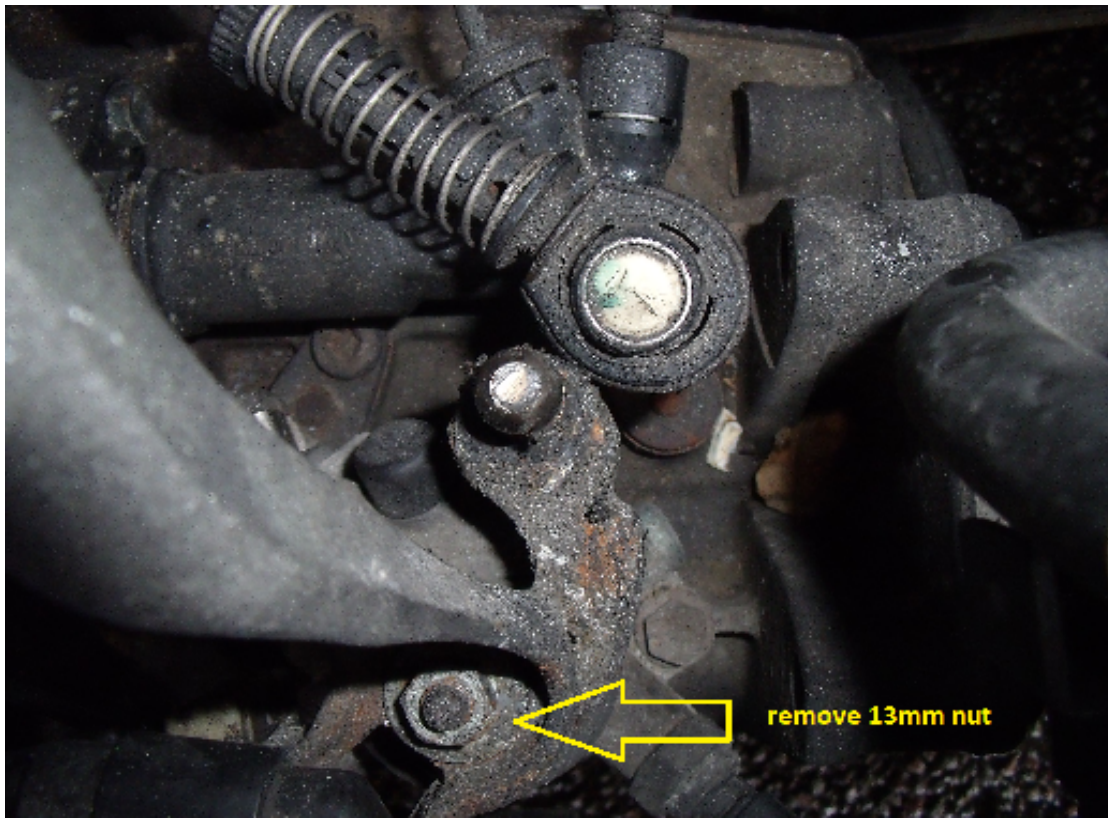




Next remove the circular clip on the side to side shifter mechanism as pictured below. and pull this back a few centimeters to give you enough room to remove the shifter



Next undo the 13mm nut that is securing the shifter to the gear box as pictured below



Once the 13mm nut is removed, slide the front-to-back linkage up off of the splined selector shaft. This will take some force and it is recommended to rock the linkage from side to side very slightly in order to loosen it, but please do not use a hammer or anything else to pound or tap the shaft out of the bottom of the linkage as this may lead to damage to various components. Though it will take some effort, the linkage will certainly come loose within a short time.

After you have removed the shifter you should have this pictured below alongside the new Forge short shifter.



Once both OEM linkage components are removed, you will need to assemble the Forge replacement linkage components that you intend to install.

Select the cable shaft that matches the size and shape of the shaft on your OEM linkage and secure it to the Forge replacement linkage with the supplied locking nut. The locknut will be captive in the groove on the underside of the linkage and the shaft will thread into it from the top.

Use your 16mm deep well socket or a 16mm wrench to secure the cable shaft at your desired adjustment level.

Note: Moving the shaft closer to the splined cut-out will shorten the throw. Moving it away will lengthen the throw.

Now re-grease the gearbox linkage spine with the supplied grease.

Once you have finished assembling the linkage components to your desired adjustment level, they will be reinstalled in the reverse order that they were removed.

After fitting it should look like the pictures below



Please be sure to cycle through the gears with the lever in the cabin making sure that all forward and reverse gears can be engaged just as easily as with the OEM shift linkage. Everything should operate as smoothly and seamlessly as before, only with shorter throws of the shift lever.

If you experience any difficulty engaging any forward or reverse gear, please go back and read through the instructions again to ensure that every step was followed properly and completed successfully.

If you are still experiencing difficulty, please feel free to contact your local or preferred Forge Motorsport dealer, or you may always contact us directly.

Forge Motorsport US – (407) 447 -5363 / sales@forgemotorsport.com

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Now road test the vehicle and enjoy your shorter faster gear changes.