



# Fitting Instructions

## **VWR Quickshift Gearchange**

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## VWR Quickshift Gearchange

# Installation Guide

Thank you for choosing the VWR Quickshift Gearchange - developed exclusively by Volkswagen Racing for the race programme. The Quickshift has been engineered to improve upon the overall vehicle dynamics providing you with many years of an improved and enjoyable motoring experience.

We have included instructions on fitting over the next few pages. Please take time to read through, and ensure that your fitting agent reads these. We would suggest that you keep these notes with your car for future maintenance/owners.

### Tooling required:

- ▶ 13mm socket, extension and ratchet
- ▶ deep 16mm socket (spark plug size)
- ▶ small flat blade screwdriver



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## Overview

The VWR Quickshift Gearchange is a straight replacement part, requiring no modification to the car itself. Therefore, please take careful note when removing the standard lower mount, as fitting the VWR part is a simple reversal of that procedure. As a general rule, when fitting the VWR Quickshift Gearchange, the following guidelines should be adhered to:

- ▶ Gearchange hardware is an integral component for vehicle control and is therefore safety critical.
- ▶ They should therefore be fitted with the utmost care and attention.
- ▶ It is recommended that they are fitted by persons possessing the necessary expertise i.e. a trained vehicle technician.
- ▶ These instructions are for guideline purposes only and do not take into account any special features that may apply.

## Safety Note

Make sure engine is cool before attempting to fit this part. Due to the close fitment of coolant hoses you may risk burns if the engine is still hot.

## Fitting Instructions

- ▶ Remove any intake pipes or air boxes that may be obstructing the gear shift mechanism on the top of the gearbox area.
- ▶ Unclip the lower gear cable circlip. Lift off the gear cable connector.
- ▶ Remove the 13mm nut.
- ▶ Shake the complete shifter mechanism from side to side in order to free off the splines. If the splines are tight then lift the mechanism to its fullest point and chock up the underside, then tap the centre shaft downwards gently (be careful not to damage the threads at this point, fitting the nut back on loosely before you tap the centre downwards should protect the threads). Completely remove the shifter from the car.
- ▶ Select the correct pin from the new kit to match the size and type of your original shifter. Fit the correct pin loosely with the nut supplied. Fit the new adjustable short shifter making sure the gate lever is inserted into the correct slot.
- ▶ Refit and tighten the 13mm nut.
- ▶ Set the adjustment pivot to the centre of the slot and tighten fully with a 16mm deep socket (Recommended Torque figure of 25nm).
- ▶ Refit the gear cable end connector and circlip.
- ▶ Refit any other intake parts or anything removed in step 2, clear away all tools and close bonnet.
- ▶ Test drive the vehicle. If you require further adjustment to the short shift then simply remove the gear cable circlip and connector, loosen the 16mm pin half a turn, slide the adjuster from left to right depending on the desired shift amount (left = greater throw amount, right = lesser lever throw amount).

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We hope that your VWR RacingLine Upgrade gives you many years of enjoyable performance motoring.

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