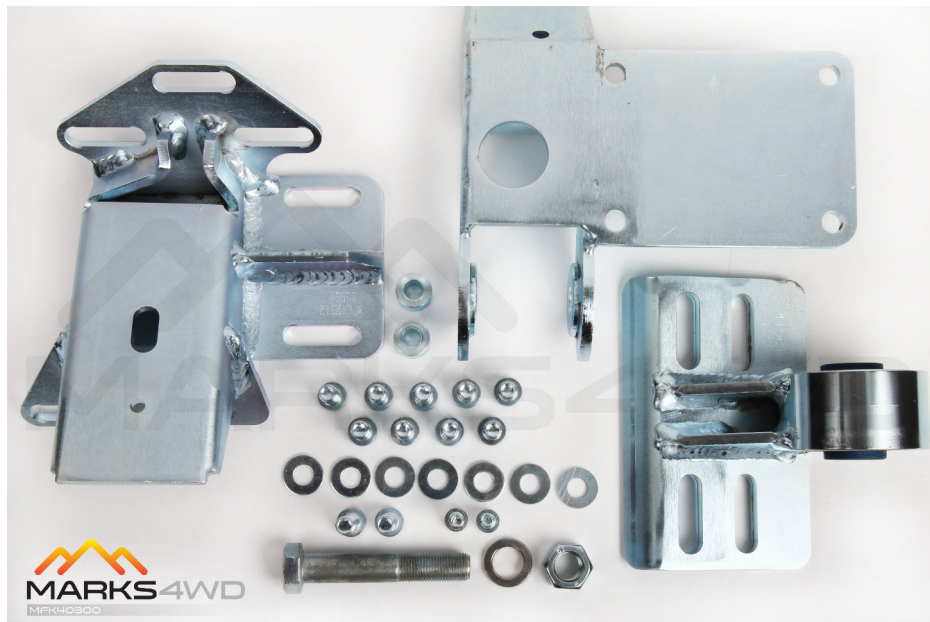




Fitting Instructions for MFK40300 Bolt In LS Engine Mount Kit - TB4.5/4.8



Important Information

This instruction booklet can be used standalone for the above stated conversion but we would also recommend having a workshop manual for your vehicle and for the engine/transmission you are installing to cover any factory torque / installation settings to complete the installation.

The instruction booklet describes the required modifications (if any) and installation process in order for our kit to fit and work properly. These instructions **make no assumption** on whether additional changes need to be considered or made. It is highly possible that other aspects of your vehicle and/or third party products, eg. Engine, transmission etc. will have an impact on all that is required for you to achieve your desired outcome.

Marks 4WD Adaptors do not and cannot take responsibility for knowing everything that may impact on your conversion. Before beginning any work, thoroughly work through the sequence of changes, work and potential impact of your conversion. You must ensure you completely understand all the factors that may impact on achieving your desired results.

Step 1 Block Mounts

Remove original Nissan engine with a suitable lifting device, please retain one of the engine mount rubber top nuts, one of the engine mount rubbers and all of the engine mount to chassis post bolts.

Use 2 x M8x25mm socket head cap screws (SHCS) (image 1.1) and the remaining 4 are M10x25mm SHCS (image 1.2) to fit the engine block bracket (MFC40300) to the left hand side (passenger side in Australia) of the block.

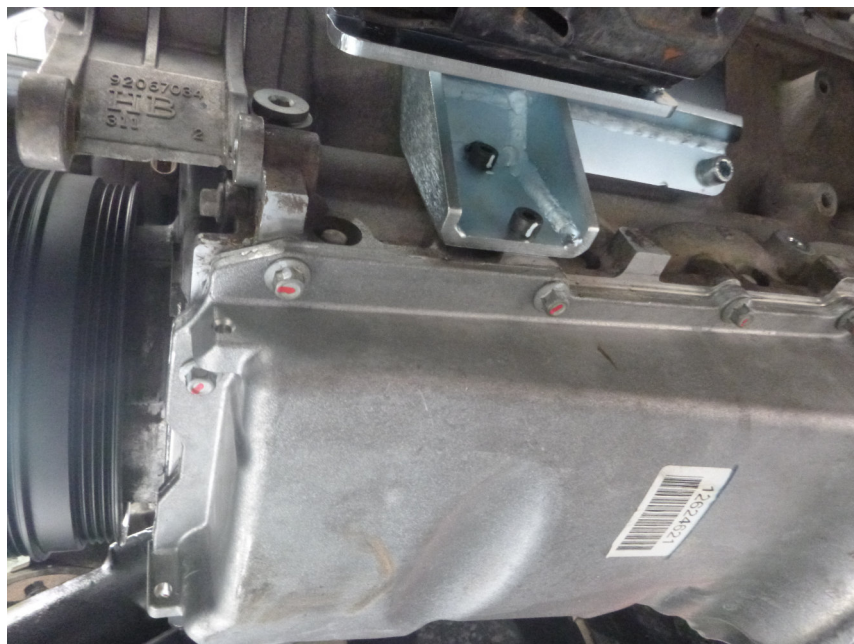


Image 1.1 M8 SHCS fitted to bracket/block



Image 1.2 M10 SHCS fitted to bracket/block

For the drivers side engine block bracket (MFC40310) fit flat washers under the heads of all 7 M10 SHCS. Use the 2 x M10x40mm SHCS with the 20x16L spacers (image 1.3) and tighten finger tight only with the bolts centred in the slots.

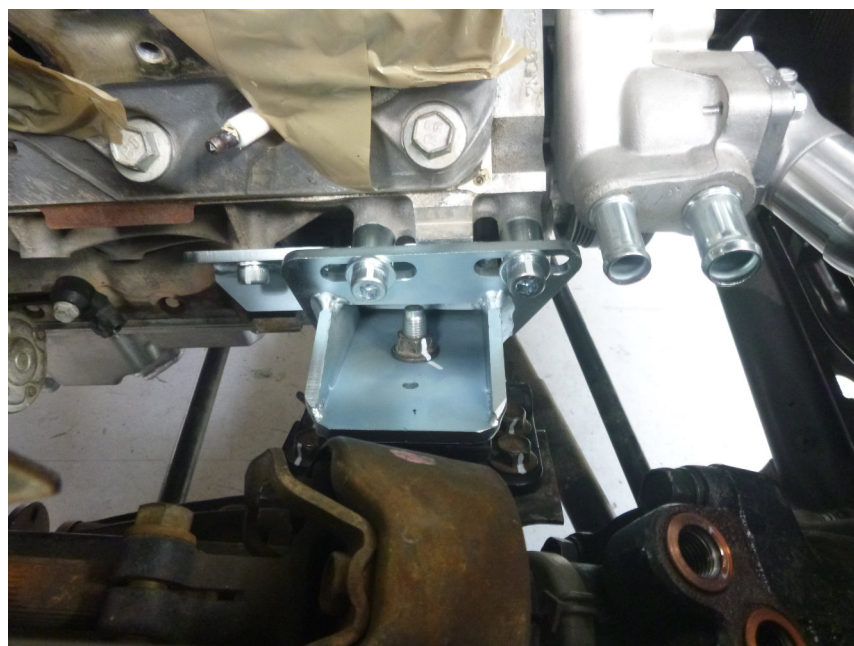


Image 1.3 M10 SHCS fitted to bracket/block



Use the remaining 5 x M10x 25mm SHCS and flat washers in the remaining holes and tighten finger tight only. Image 1.4

Make sure the mount can slide forward and back so you align with chassis post when the engine gets fitted.

Image 1.4 Fit 5x M10 SHCS

Step 2 Chassis Mounts

Fit the chassis post bracket MFG40305 to the left hand chassis post using the original Nissan bolts - only finger tighten with bolts in centre of slots.

The lip on the mount sits down as per image 2.1

Fit the factory Nissan engine mount rubber to the right hand chassis post with the factory bolts - tighten. Image 2.2



Image 2.1 Chassis post bracket



Image 2.2 Nissan engine mount rubber

Step 3 Fit Engine

Lower LS engine into engine bay, guide engine over the right hand engine mount stud (image 3.1) and over the left hand side engine mount bush, fit M16 x 90mm bolt through the left hand mount as per image 3.2

Fit factory Nissan engine mount nut to the right hand side mount and supplied nut and spring washer to the M16 x 90mm bolt on the left hand side mount.

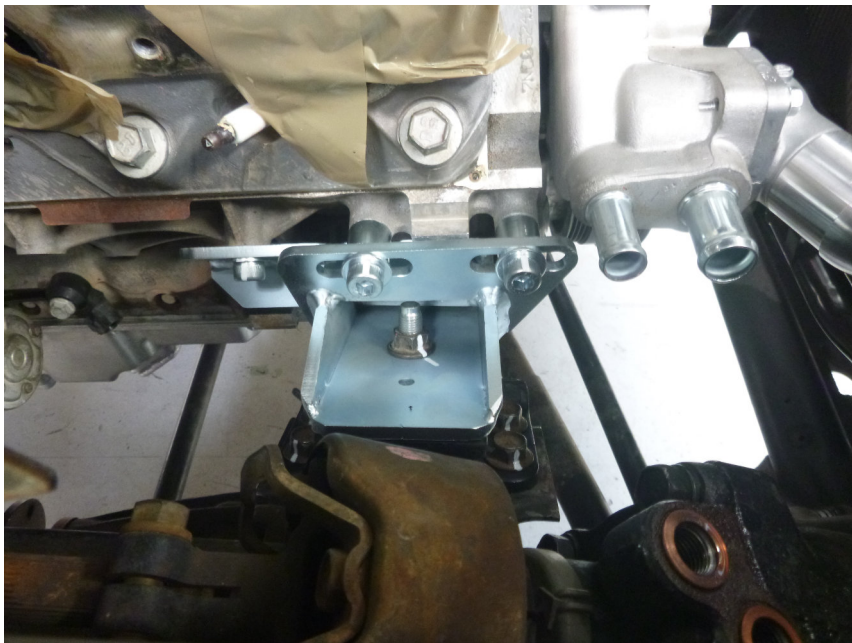


Image 3.1 Guide engine over stud

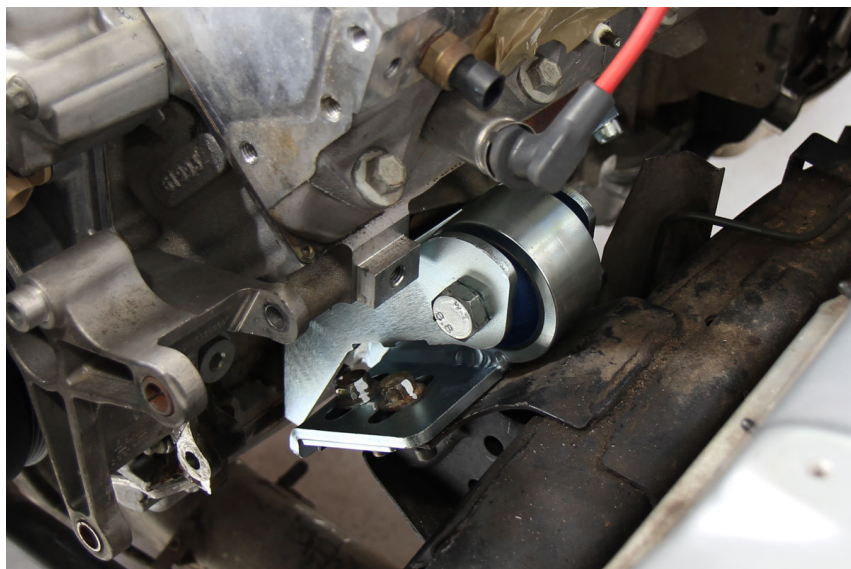


Image 3.2 Fit M16 x 90mm bolt

Step 4 Tightening

When you fit the transmission/transfer case up to the engine and crossmember you may need to shuffle the engine forward or backwards to suit, this will depend on the new transmission combination and original vehicles engine/transmission combination (auto/manual/4.2/4.5/4.8 etc)

Tighten all crossmember mounts, engine block brackets and chassis mounts. We recommend using a paint pen so you can easily identify tightened fasteners.

Terms and Conditions

Thank you for purchasing this product manufactured by Marks 4WD Adaptors. Components supplied in this kit are designed and machined for a specific conversion only as outlined in this guide. Modifications to or substitution for any of the components without the written consent of Marks 4WD Adaptors will void any possible warranty or return privileges.

The following instructions are intended as a guide and only for Marks 4WD Adaptors kits. If you do not fully understand the steps, modifications or changes required to complete the conversion, contact our sales department for more information. We recommend that you purchase a service manual pertaining to your vehicle for specific torque values, wiring diagrams and other related information.

Contact Information

Web: <http://www.marks4wd.com/>
Email: sales@marks4wd.com
Phone: +61 3 9552 6555
Address: 385-393 Lower Dandenong Rd
Dingley, Victoria, 3172
Australia