



Installation Instructions for MFK1765EM LS V8 to 80 & 105 Series LandCruiser Engine Mount Kit

Important Information

These instructions have been designed to show the necessary modifications needed to be made in order to use this engine mount kit. These modifications are only required if the engine is being installed with an A/C compressor on the lower right hand side of the block. The standard A/C compressor bracket will have interference issues with the chassis but by using one of the A/C compressor mounting kits that we supply the A/C compressor can be fitted with 10-20mm clearance to the chassis.

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.

The kit contains the following parts:

- Left & right engine mount brackets (MFC1765R & MFC1765L)
- Engine mount rubbers
- All nuts, bolts & washers

Step 1 Fire wall clearance for rocker cover

The fire wall on the right hand side of the vehicle will need to be modified. Using a piece of 90mm x 45mm (4" x 2") soft wood about 30cm (12") long as a drift the fire wall can be pushed in. Finish one end of the wood to remove any sharp edges. With the aid of a hammer push the fire wall can be pushed back about 35mm. There is no need to remove the sound proofing. To hold the sound proofing hard into the new cavity an oval shape disc (100mm x 150mm) made out of some steel mesh can be screwed into position using two tech screws.

The A/C pipe also needs to be moved over the top of the steering shaft in order to clear the R/H cylinder head. Rotate the bracket about 180 degrees, this will shift the pipe approximately 60mm. See the following photo.



Step 2 Cross-member modifications

When using a factory Toyota transmission the transmission and transfer case need to be shifted forward 20-25mm to help with the firewall to coil pack clearance. To do this remove the transmission cross member and slot the mounting holes. See photo below. If using a GM transmission, the transfer case would usually be moved backward. Modifications will need to be made to suit.



Step 3 Modifying the driver's side chassis bracket

The front of the driver's side (right hand side) factory chassis mounting bracket must be modified to allow the air conditioning compressor to be fitted in this conversion.



As shown in the photo above, mark a line on the bracket 35mm from the front edge of the rear slot. This line should go all the way back to the weld on the top of the chassis. The white line on the left of the photo should also be marked back to the chassis. The section you remove should be 65mm wide.

Using a 100mm/4" grinder fitted with a cut off disc remove the front sections of the mounting bracket. Note: To make the job easier undo the 4 bolts that hold the steering box to the chassis, then the box can be pushed sideways to allow easy access to the top weld on the chassis.

Chamfer and de-burr the remaining parts.

Step 4 Tack the front section of the bracket into place

The photos below show how the engine mount should look after modification.



Complete the welding of the bracket and grind of any access weld. Re-paint the chassis rail and mounting. Re-install the steering box mounting bolts.

Step 5 Mount engine in the engine bay

Lift the engine into the engine bay. **NOTE:** When using a bell housing adaptor kit carefully align the engine to the bell housing making sure that the faces are parallel. This is extremely important as the fine pitch Toyota bolts are easily cross threaded.

After tightening all of the bell housing bolts, raise the engine as far as it will go.

Fit the engine mounting brackets to the engine block using the bolts and spring washers supplied in the kit. See photos below.



Install the Toyota engine mounting rubber. **NOTE:** The top stud on the passenger side mount will need to be cut down by approximately 10mm. See photo below.



Tighten all of the engine mounting nuts and bolts.

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 tasks, contact our sales department for more information. We recommend that you purchase a service manual pertaining to your vehicle and the engine/transmission you are fitting for specific torque values, wiring diagrams and other related information.

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