

The logo for MARKS4WD features a stylized mountain range icon above the text. The mountain icon is composed of three peaks, with the left and right peaks in orange and the central peak in yellow. Below the icon, the word "MARKS" is written in a bold, black, sans-serif font, and "4WD" is written in a lighter, grey, sans-serif font to its right.

# MARKS4WD

## Fitting Instructions for MFK1075



## Speedo Corrector to suit Toyota LandCruiser 300 Series including Head Up Display models

### 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.

## Installation Instructions for 300 Series Toyota LandCruiser including head up display models

Disconnect negative battery terminal—failure to do so may result in damage to the CAN gateway module

The CAN gateway module is located behind the glovebox—we have completed the installs without removing the glovebox but if more working room is required you can remove the glovebox.





The CAN gateway connector is the white connector above

Unplug the white CAN gateway connector and feed it below the glovebox into the footwell.

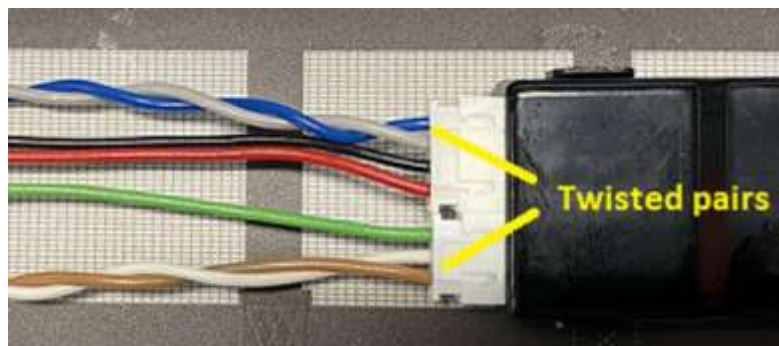
There is a release tab on the side to allow connector to be removed.

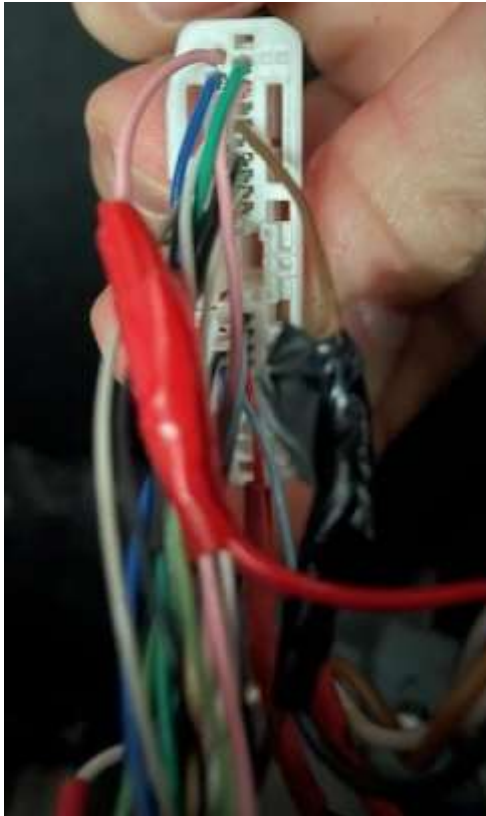
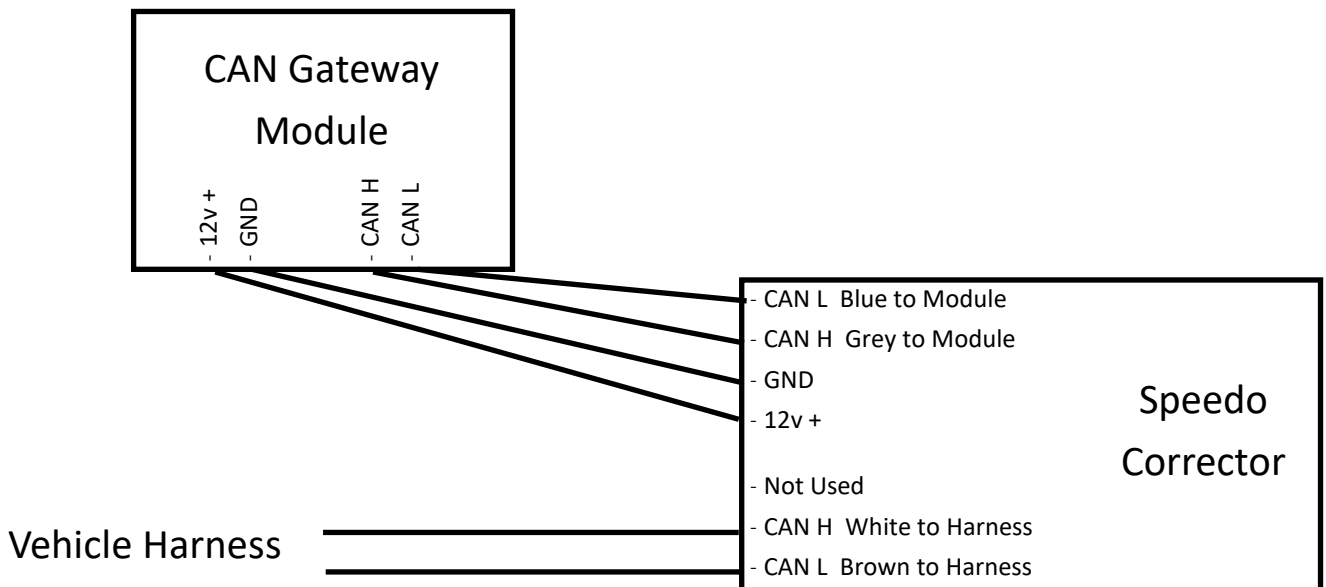
Note: Also unplugging the black plug to the left and removing some loom tape can help to get some more length for ease of installation



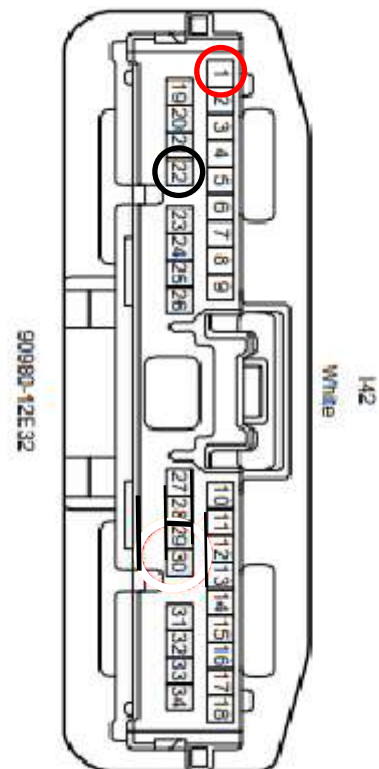
Identify the wires on the speed corrector as per the picture.

**Note:** The **grey & blue** and **white & brown** wires from the speed corrector must be twisted together before they are joined to the original vehicles wiring harness.





Note: Illustration is from pin side of connector



On the CAN module connector, connect the 12V positive (red) to the pink 12+ pin 1 and ground black (negative) wires from the speedo corrector & brown GND - pin 22) on the white CAN gateway plug as shown above.

Do not cut these 12V positive and ground (GND) wires leading to the white connector. These connections just "T" onto them to also power the speedo corrector.



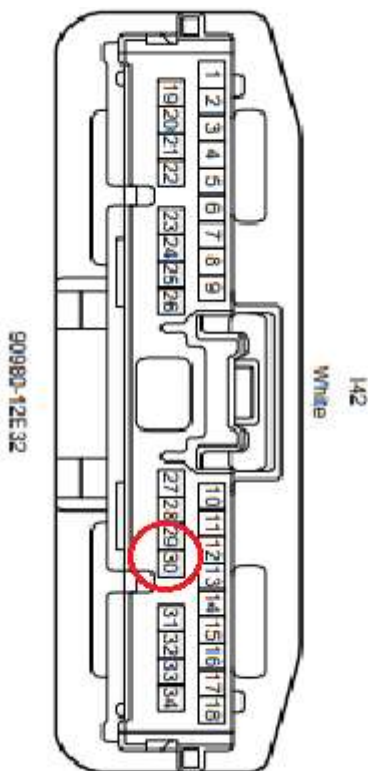
**ENSURE THE CORRECT WIRES ARE CUT AS PER THE BELOW PICTURE**

Cut the red (pin 29) and light blue (pin 30) wires leaving enough length to make a good connection. Join the red wire going to the wiring loom to the brown wire (CAN L out) from the speedo corrector. Join the blue wire going to the wiring loom to the white wire (CAN H out) from the speedo corrector.

Join the red wire from the white connector to the blue wire (CAN L in) from the speedo corrector. Join the blue wire from the white connector to the grey wire (CAN H in) from the speedo corrector. Note: Wire colours may change model to model—make sure you select the wires in the positions illustrated below

All joints must be soldered and well insulated.

Note: Illustration is from pin side of connector



Once all the connections have been made as per the above steps refit the cable insulation and plug back into the associated modules.

Run the unit so it can be accessed while test driving.

Reassemble the glove box and panels.

Reconnect the vehicles battery.

Test drive the vehicle and adjust the speedo corrector as per the following page.

## How to Adjust Correction Unit

Take vehicle for test drive using a GPS based speedometer and set dip switches 5-8 on the rear of the unit on or off to suit the percentage change you require

This can be done by a passenger while driving or stationary.

**NOTE:** Switches **2 & 4** must be set to the **ON** position and switches 1 & 3 remain in the off position

% Increase	Switch On
2	8
4	7
6	6
8	5
10	5 & 8
12	5 & 7
14	5 & 6
16	5, 6 & 8
18	5, 6 & 7
20	5, 6, 7 & 8



### WARNING

Warning: This is for vehicles fitted with speed sign recognition.

Our speedo corrector **does not change the cruise control adjustment to match the speed sign recognition.**

When adjusting the cruise control to match the change in speed sign recognition, the cruise speed will be set to the uncorrected speed.

## **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 you are fitting for specific torque values, wiring diagrams and other related information.

## **Contact Information**

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