

POWRWHEEL LIMITED
MANUFACTURERS OF REMOTE
CONTROL TRAILER MOVERS

INSTRUCTIONS for the Installation of the ALKO spare wheel moving system.



Picture shows one side (or half) of the full fitting system with bolts, plates, spacers, nuts and washers assembled

- 1) When installing a Powrtouch product safety is paramount**
- 2) Our products are designed to give safe and dependable service if installed and operated in accordance with the instructions contained in this leaflet.**
- 3) Read the instructions carefully and become familiar with the various components prior to assembly.**
- 4) If you are in any doubt about the installation or assembly of this product please consult a Powrtouch Engineer.**

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1) Spare Wheel Moving Systems

The spare wheel moving system comprises of 2 x position extension plates (not handed) and 4 sets of bolts, round spacers, spreader plates, nuts and washers. The system works by shifting the spare wheel carrier 50mm (approx) to the nearside of the caravan and moving it to the rear of the caravan to clear the Powrtouch unit. There are different extension plates for UK and European caravans because for safety reason the spare wheel must always be removed on the near side (pavement side) of the caravan.

2) Remove existing parts

Remove spare wheel carrier complete with the central locking bolt and put carrier and bolt to one side for refitting later. Take off the ALKO jacking points from their existing positions, unfortunately it is not possible to refit the jacking points and alternative arrangement should be made to jack up the caravan i.e. Trolley or Scissor Jack. If in doubt consult the Caravan Club Handbook – Technical Section – Jacking/Changing a Wheel.

3) Assembly of Moving System

On the UK version the Left Hand plate is fitted externally to the chassis and the Right Hand plate is fitted internally. On the European version these positions will be reversed.

The pictures are of a UK version spare wheel extension plates being fitted of nearside of the caravan.

See also expanded 3D drawings attached to this Instruction Manual – The spreader plates are shown but are not necessarily pictorially correct to the instructions

3a) Pointers show position of the two fixing holes to be used. These holes exist in the chassis and no drilling of the chassis is required.



3b) Insert the 2 x 12mm bolts with 2 x 24mm washers on the left hand bolt put the 90mm x 40mm spreader plate in vertical position on the right hand bolt put the 70mm x 40mm plate in the horizontal position



3c) Now fit the same plates on the opposite side of the chassis with the plates in the same vertical or horizontal positions, put the 18mm round spacer tubes on to the bolts and lock firmly into place with the plain 12mm nuts



3d) Place the 36mm washers on to the fitted bolts assemblies



3e) Place the spare wheel extension plates onto the fitted bolt assemblies and then place the other 36mm washers on the outside of the plates



3f) Tighten the plate firmly in position with the 12mm nylon nuts



4) Fit offside extension plates

Repeat the process for the extension plates on the offside side of the caravan, the plates fit internally to the chassis.

5) Refit existing Parts

Once both plates are fitted to the caravan then the spare wheel carrier can be fitted to the caravan using the holes provided.

6) Fit Powrtouch

It is now possible to fit the Powrtouch to the rear wheels of the caravan.

