

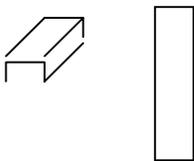
## Turn tighter with Kadees® Passenger carriages

Those of you who have fitted Kadees® to Powerline passenger carriages, and fit them body mounted, will note that they are only good for twenty two inch radius curves or bigger. Body mounted Kadees are the normal and easiest way to fit Kadees to most rolling stock but there is a cost and that cost is, they will not run on tight curves.

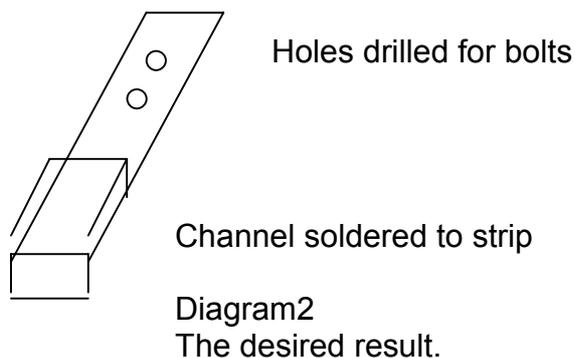
Well we at Powerline have a solution, which a select few have had the opportunity to take advantage of until now. This solution is very simple and will allow the use of the Powerline type (NEM) or the Kadee coupler with easy change over.

Following is a brief outline on how to do it.

All you require is a fine toothed razor saw, a 1.5mm drill bit, 8 BA or 10 BA bolts with nuts and washers, solder, a soldering iron, brass strip and brass channel. Oh yes and the bogies off your Powerline coach or if you want to buy some to try this out any of the P1102, P1103, P1117, P1118 or P1118G will do.



The aim of this modification is to replace the existing coupler with a bogie mounted Kadee® coupler using a brass strip for the arm and brass channel to create a pocket into which will clip Kadees® numbers 17 to 19 or a replacement NEM 362 Clip style Powerline coupler. Diagram one shows you the basic parts and diagram two shows the desired result. The desired result being a pocket, into which the couplers clip, on a strip or shaft, which is then fixed to the bogie. By two bolts or screws. The pocket is always to the top of the shaft when fitted to the bogie.



Note in this article I have decided to go with a brass fitting. The reason for this is that it is stronger and more durable than styrene or other plastics and is more forgiving under harsh treatment. Styrene maybe used but the shaft must still be bolted or screwed to the bogie, as glue will not bond to the bogie delrin material.

The length of the strip can vary depending on how close you want your carriages to couple.