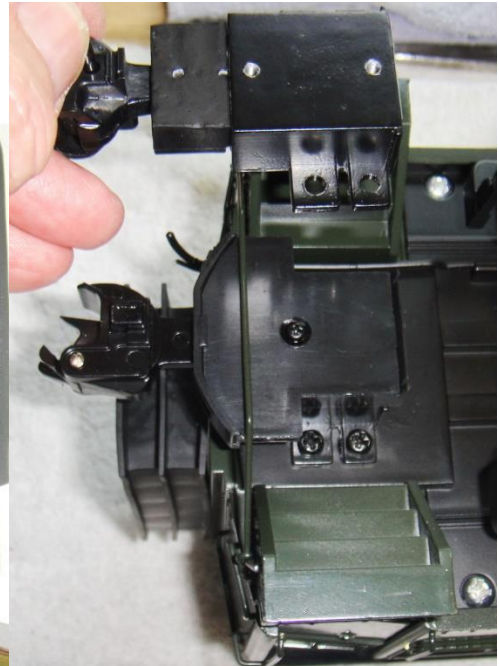


USA Trains Heavyweight Passenger Car CamPac Box™ Install Guide

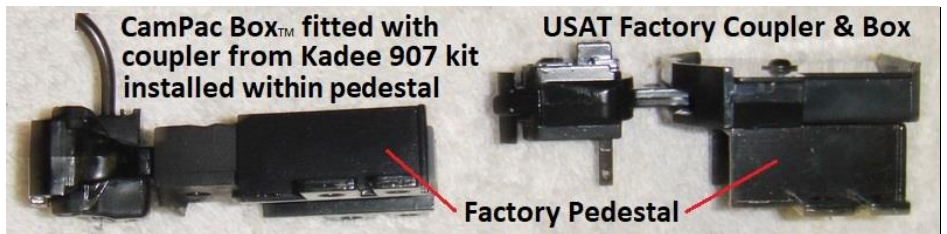
by Ted Doskaris, May 3, 2020

USA Trains Heavyweight cars include the Baggage Club (combine), Coach, Sleeper, Diner, and Observation Platform. Operation of these car types equipped with the CamPac Box is recommended on 10 foot diameter track curves or greater; however, the car may operate on 8 foot curves when **NOT** coupled to short length locos or cars - like switch engines or "40 foot "cars. Layouts with "S" bends must have a straight track between diverging paths about the length of this car or more.

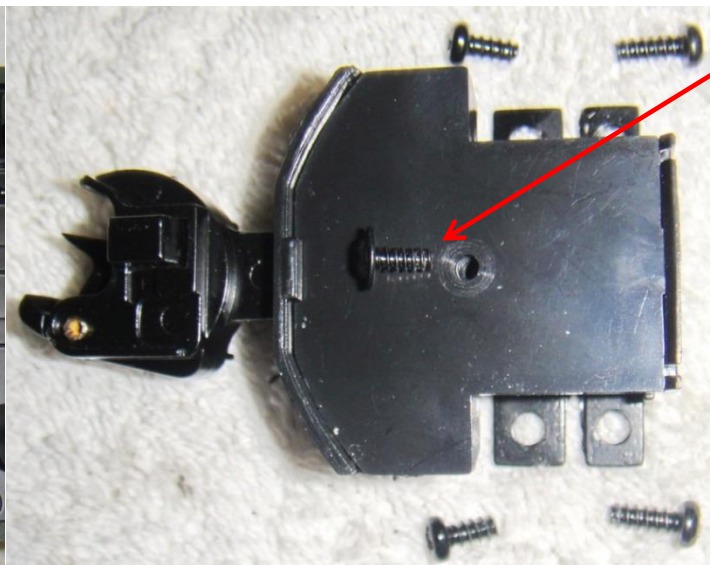
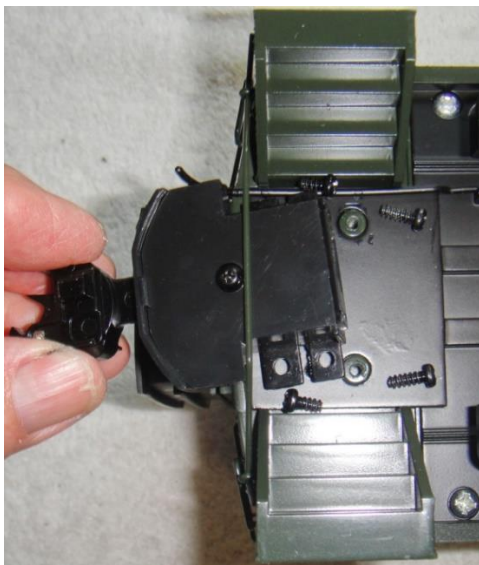
Example Heavyweight Car
equipped with CamPac Box™
fitted with Kadee "G"
scale centerset
coupler



CamPac Boxes fitted with Kadee* centerset knuckle coupler from the 907 kit uses the factory "U" shaped cast metal bracket (pedestal) but fastens within it in place of factory box which fastens on top



First, remove factory coupler assembly with pedestal by unscrewing the 4 "wing" screws:



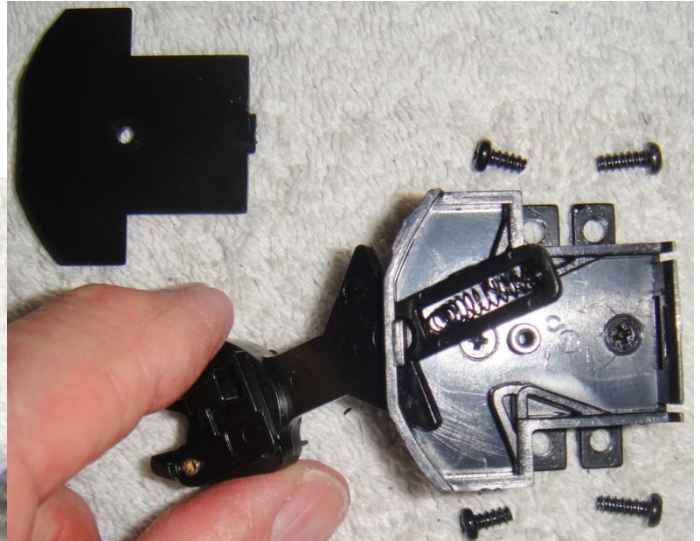
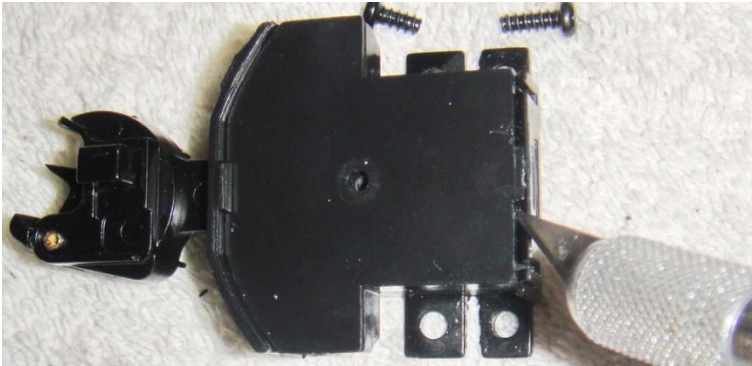
Remove small center screw that retains lid to box

Note:

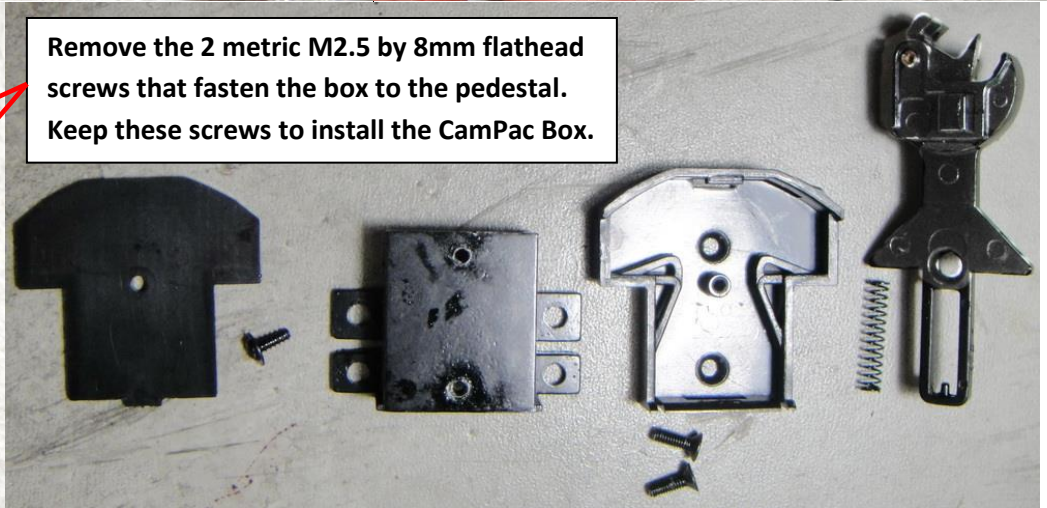
The 4 short & long "wing" screws used to fasten pedestal to chassis pad to be put back in same front / rear locations when remounting pedestal with CamPac Box

*Kadee is a registered trademark of Kadee Quality Products Co., White City, Oregon, USA.

Pry away back of lid to disengage tab from rear slot to remove it, and then withdraw the coupler with its spring from the box. (Spring may separate & fly out!)

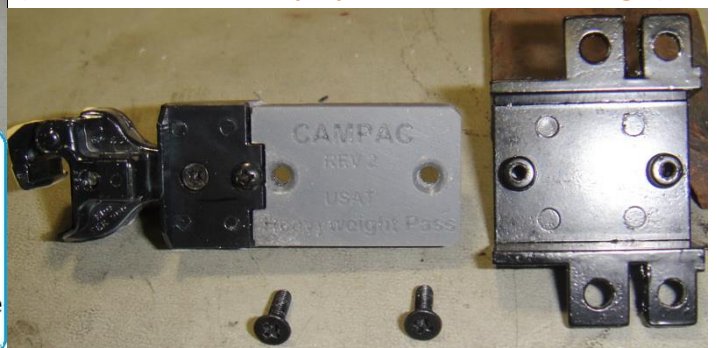
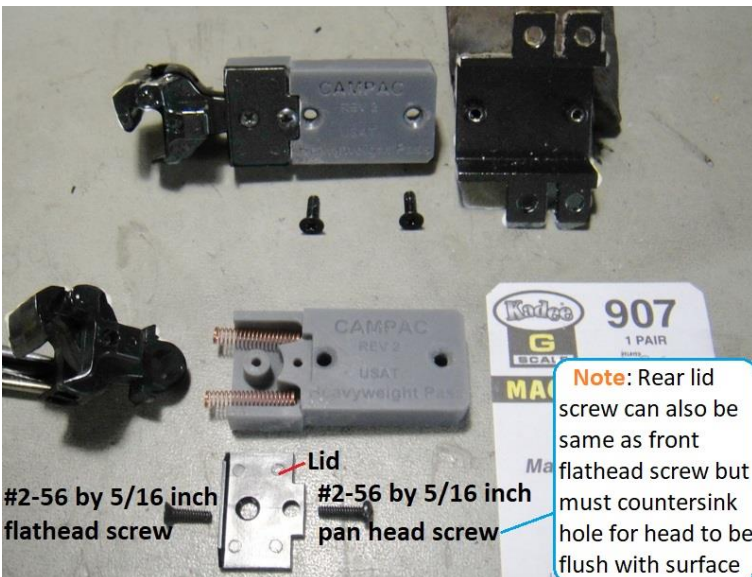


Remove the 2 metric M2.5 by 8mm flathead screws that fasten the box to the pedestal. Keep these screws to install the CamPac Box.

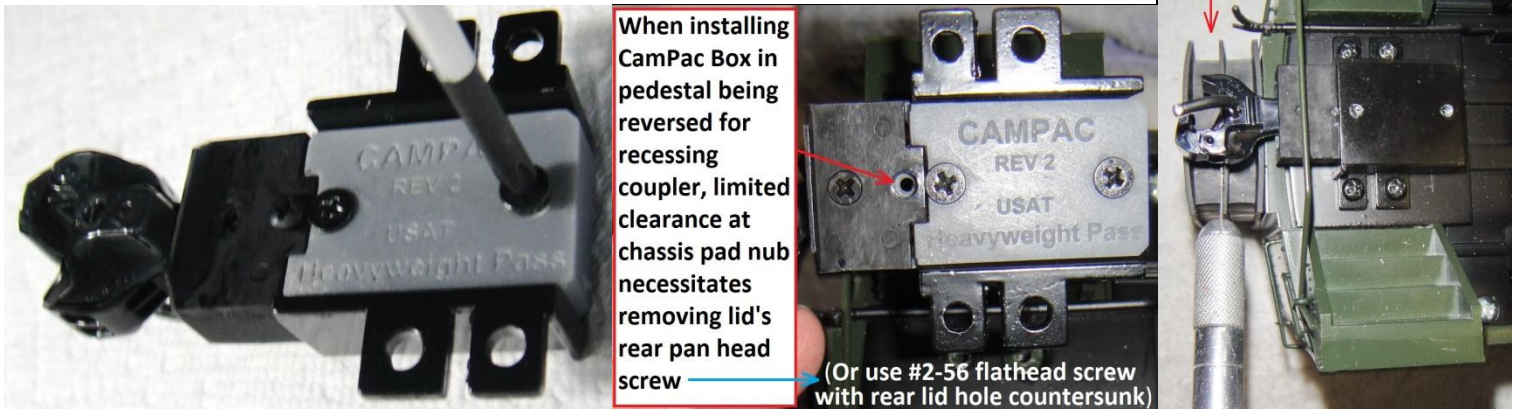


CamPac Box Installation:

Preassemble the CamPac Box with coupler springs & lid from Kadee 907 kit. **Do NOT use Kadee self threading screw to fasten lid that would do damage.** To fasten lid, use #2-56 by 5/16 inch flathead screw at front of lid and #2-56 by 5/16 inch pan head screw at rear of lid. (If desired, box can be prepainted before installing it)

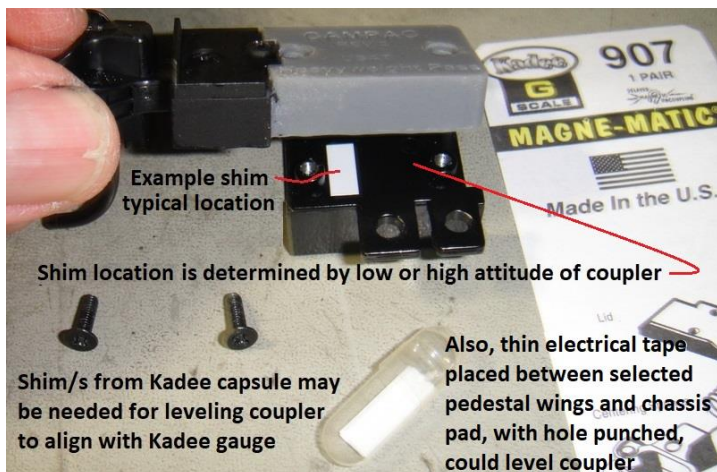
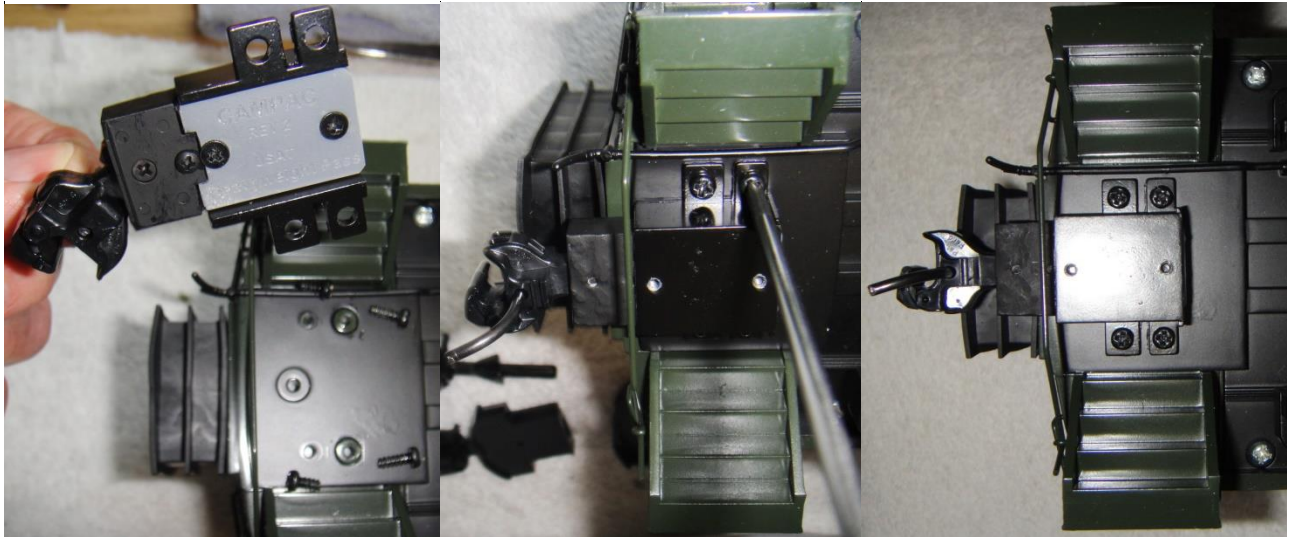


The CamPac Box is installed within the pedestal using the factory M2.5 by 8mm flathead machine screws. Installation can be done two ways: The first shown below at the far left is to be like the factory coupler projection at the diaphragm end, whereas, the second shown at the middle is to be recessed for closer car coupling. In this case, the diaphragm shown at the far right would have to be shortened by one flute, or it could be removed.



Note: Because the Kadee coupler does not pull out like the USA Trains spring loaded coupler; car spacing is not affected during operation of the car in a train. Shown below CamPac Box/pedestal is installed for coupler projection like factory

Install the CamPac Box pedestal assembly using the short & long factory self-threading screws in the same places they had been before.



Leveling Coupler with Kadee 980 gauge:
Aligning the coupler can be done by placing shim/s at the CamPac Box tail portion within the pedestal.

