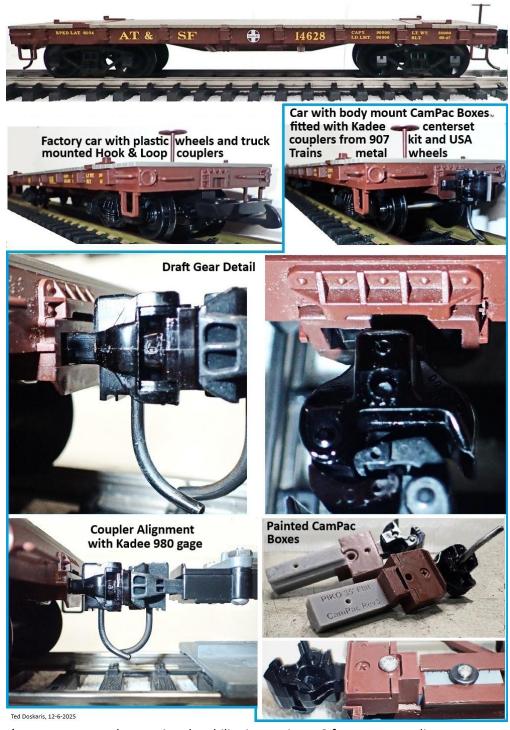
PIKO 35 foot Flatcar CamPac Box™ Install Guide

Ted Doskaris, 12/16/2025



To enhance the car's appearance and operational stability in a train on 8 foot or grater diameter curves, body mount 3-D printed CamPac BoxesTM fitted with Kadee* centerset (no offset) "G" scale AAR E type couplers from the 907 kit are employed along with replacing the trucks' plastic wheels with heaver USA Trains metal wheels. If choosing to use the car in 1/32 scale environment, the Kadee 1907 kit's #1 scale coupler could be fitted in the CamPac Boxes in place of the Kadee kit's 907 where described in this guide. (Note: Coupler in 1907 kit is described as centerset, but it has a downward offset to conform with #1 scale coupler railhead height.)

Step 1 **Car Preparation**



Cut off the PIKO 35 foot flatcar trucks' Hook & Loop coupler tang & replace plastic wheels with USA Trains metal wheels - example method shown below

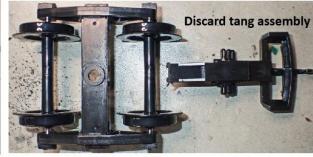
Step2

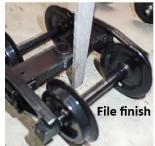
Note: The installer is to obtain two sets of USA Trains black metal wheels, P/N R2093















Completed Trucks





Step 3

Prepare CamPac Boxes as illustrated

Note1:

The installer is to obtain the Kadee 907 kit

Note2:

For 1/32 scale environment, the #1 scale Kadee 1907 kit could be substituted; however, coupler tail hole may need to be enlarged to 0.200 inch (5mm) diameter to fit over CamPac box post

CamPac Box. and fasteners for PIKO 35 foot flat car G MAGNE-MATIC" Pan head M3x16mm self-threading mount screw Pan head #2-56 Made In the U.S.A. x 7/16" tail screw Flathead #2-56 x 5/16" lid front screw Flat washer, #2 hole, 0.312" OD PIKO 35' Flat CamPac Rev3 For now, only install coupler, springs (and lid with front #2-56 screw) from Kadee 907 kit in the CamPac Box... Do NOT use Kadee self threading lid screw as damage can result. Ted Doskaris, 11-29-2025

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The CamPac Boxes can be optionally painted prior to installation



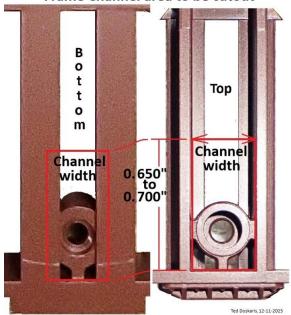
Step 4

Cutout Draft gear and frame to accept CamPac Box as illustrated - both ends of car same.

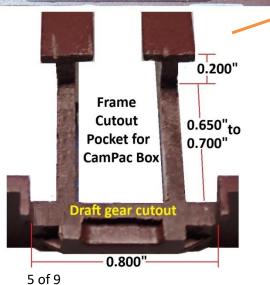
Using a milling machine and square broaching tool with proper speed and feed for plastic work would be the best method for the cutout process; however, the process can be done by hand using a drill, razor saw and files - albeit time consuming and tedious.

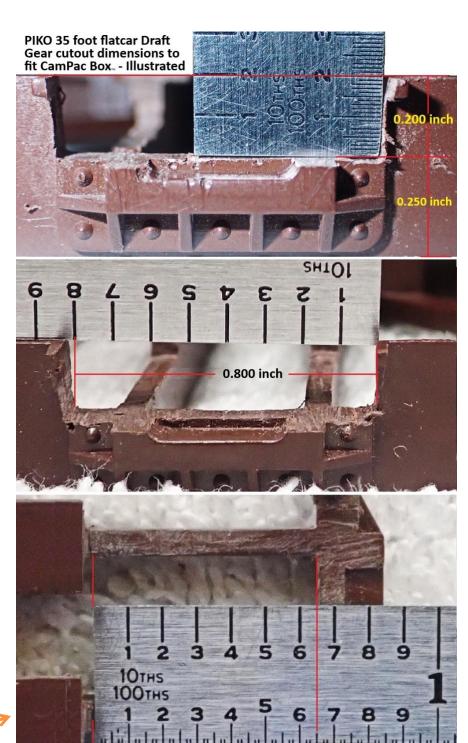
If using milling machine, skip to step 6

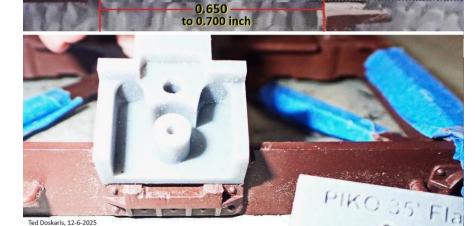
Frame Channel area to be cutout









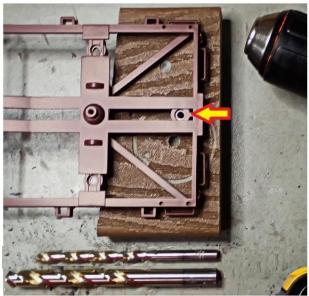


Step 5A

When using hand tools, perform operations as illustrated

Example method to modify frame for installing CamPac Boxes... - PART 1







Drill out post near end sill at both ends of frame, first using 1/4" then 3/8" bits



Remove left over material as much as possible with side cutters and then using razor saw cut several"teeth" as shown







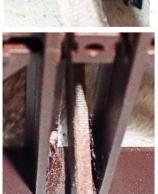






Break off teeth with small needle nose pliers and then file finish







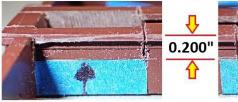


Step 5B

Perform operation when using hand tools as illustrated

Example method to modify frame for installing CamPac Boxes. - PART 2

Tape on frame ribs protects when making cuts. Mark with tape as shown for cut depth.













Example razor saw used to make successive cuts to tape line on both sides and both ends of frame





Break off "teeth" with needle nose pliers







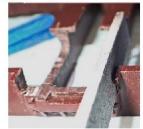
Finish to 0.200" depth













As needed, file sides and square up corners of draft gear opening so CamPac coupler box portion fits there between.



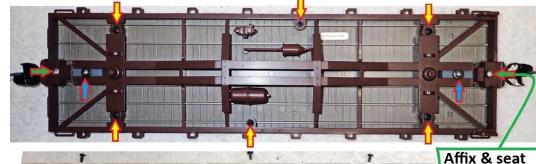
Step 6

Reassemble car as illustrated

Reassemble the PIKO 35 foot flatcar - shown below

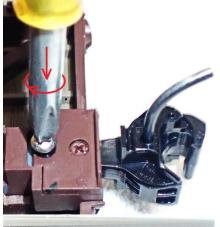


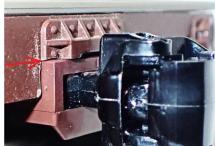
Fasten frame to floor with 3 factory short screws - each side



Note

Affixing the CamPac box so it's fully seated for no air gap with the draft gear detail will likely take some screw driver twisting force whilst pressing down on the screw driver.







M3x16mm self thread ing screw through CamPac box lid hole at each end

Mount trucks to frame bolster using factory screws & washers





Fasten CamPac box tail with #2-56x7/16"screw and #2 hole flat washer











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Ted Doskaris, 12-15-2025

Done!!!

PIKO 35 foot flatcar with metal wheels and body mounted CamPac boxes fitted with Kadee centerset couplers operating



Track zeroed out

Trains metal

wheels, body

mount CamPac

boxes fitted with

centerset couplers from Kadee 907 kit is 1.27 pounds

Ted Doskaris, 12-16-2025

wheels and truck

mounted hook &

loop couplers is

0.68 pounds