

# USA Trains Intermodal car CamPac Box™ Install Guide

Ted Doskaris, 1/26/2025



Body mounting CamPac Boxes™ fitted with Kadee® centerset couplers on the USA Trains Intermodal car



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USA Trains TTX Intermodal car with CamPac Boxes™ fitted with Kadee centersets operating in train on 8 foot diameter track circle



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

## Preface

The USA Trains "Ultimate Series" Intermodal Car is factory equipped with truck mounted hook & loop couplers. More prototypical realistic body mount CamPac Boxes™, fitted with Kadee® AAR-E type "G" scale knuckle couplers, replace the factory couplers

CamPac Boxes™ with Kadee couplers are intended for car operation on 8 foot diameter or greater track curves.

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### CamPac Kit Parts

The USAT Intermodal car CamPac Box kit includes all screws to fasten the lids and mount the Boxes on the car.

#### Advisory

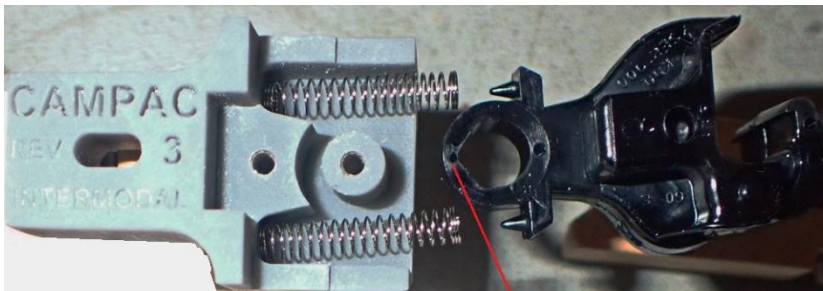
Kadee has several AAR-E type coupler versions. The late version coupler with "V" shape tail hole is the one to use in the CamPac Box. The other versions shown have tail holes too small to fit.



The CamPac Box is a direct fit, on the car - no spacers used.

The installer is to obtain a Kadee 907 kit, and install selected parts into the CamPac Box

Install the Kadee couplers and springs from the 907 kit in the CamPac Boxes - shown below.



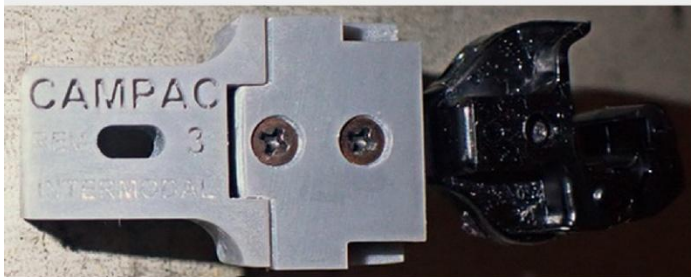
Two Lid screws are #2-56 x 7/16" Flat heads

Only use shown late version Kadee coupler with semi circle "V" at end

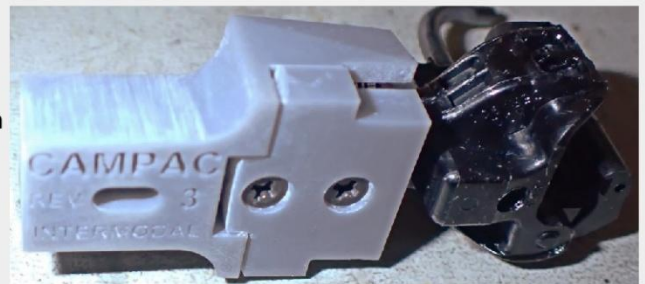
Install only the coupler and springs from Kadee 907 kit into CamPac Boxes.



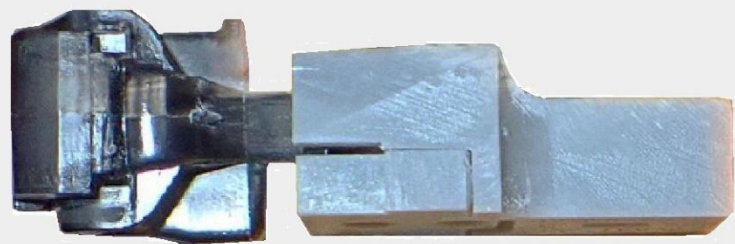
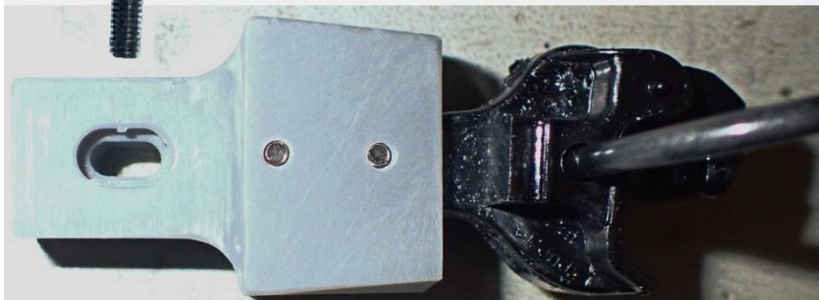
CamPac Lid



CamPac Box assembled with Kadee coupler and springs



Screw to mount Box on USAT Intermodal car is #2-56 x 3/8" Panhead



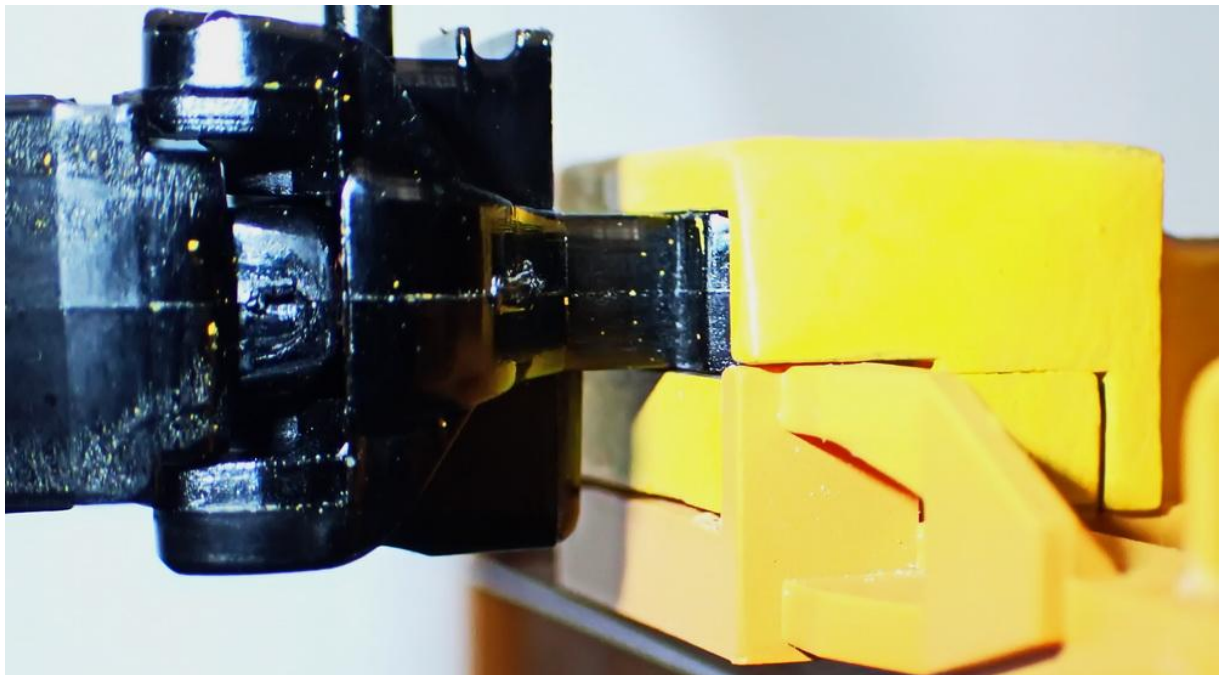
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### CamPac Box Painting

The assembled CamPac Boxes can be painted as shown in the example below.



Be careful to not get paint within the opening of the Box. If that happens, remove lid and parts from the Box and clean off all paint residue. A razor knife can be used to scrape away dried paint, including from the lid.



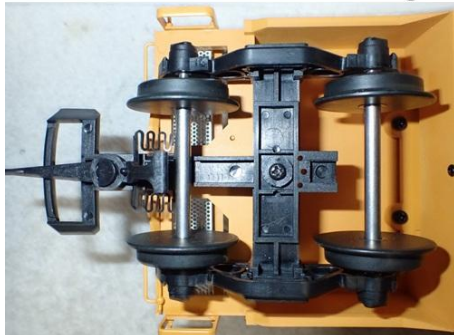


**Intermodal Car Working Example**

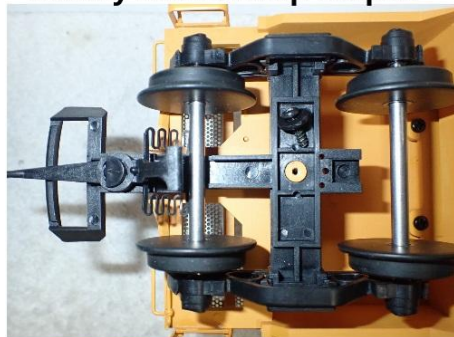


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**Truck Removal & Modification**  
Remove trucks from Intermodal car,  
then cut off truck tangs with couplers as shown below:



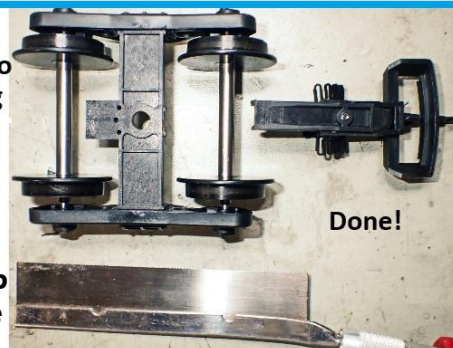
**Factory hook & loop coupler**



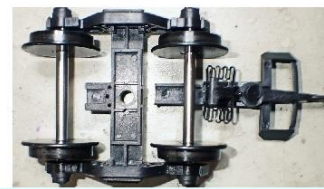
**Example  
razor saw to  
cut off tang**



**Clean up  
with file**



**Done!**



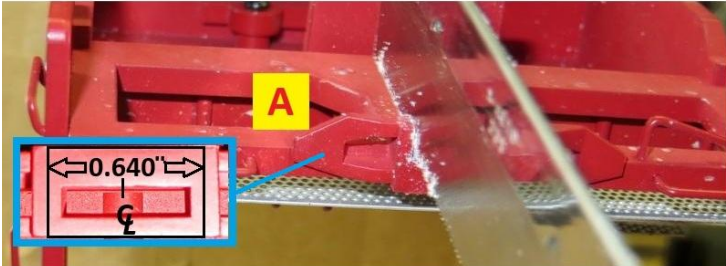
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1-24-2025



## Car Preparation

Factory Height USA Trains Intermodal Car draft gear modification needed to accept CamPac Box fitted with Kadee centerset coupler from 907 kit.

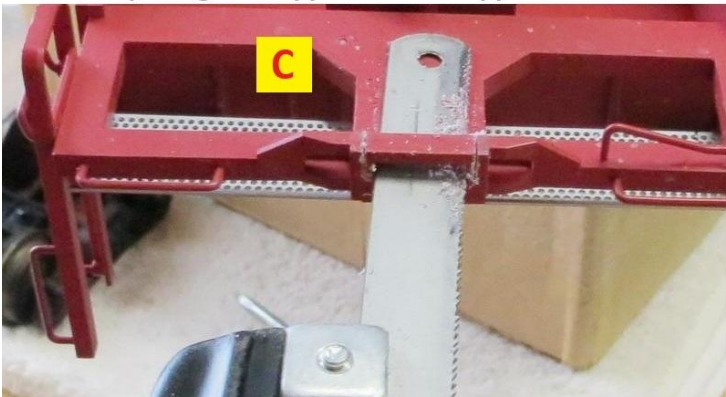
Remove material as shown below:



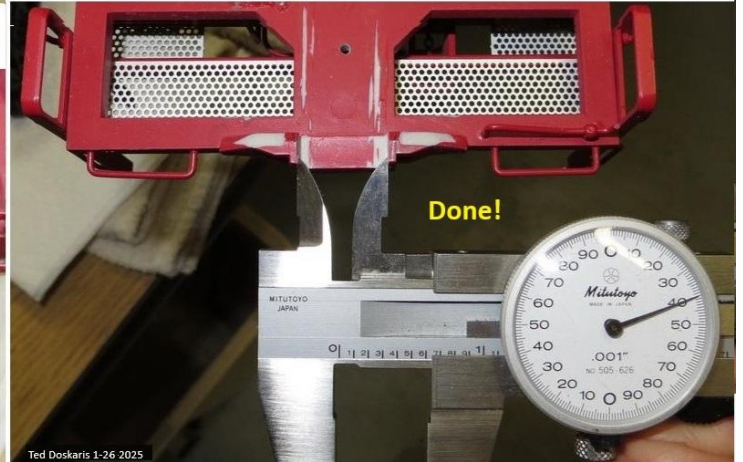
Example razor saw used to cut draft gear opening 0.640 inch wide, centered, at car end sill down to and even with underside floor surface



Hacksaw blade in holder can be used to cut horizontally within opening and flipped over for opposite side



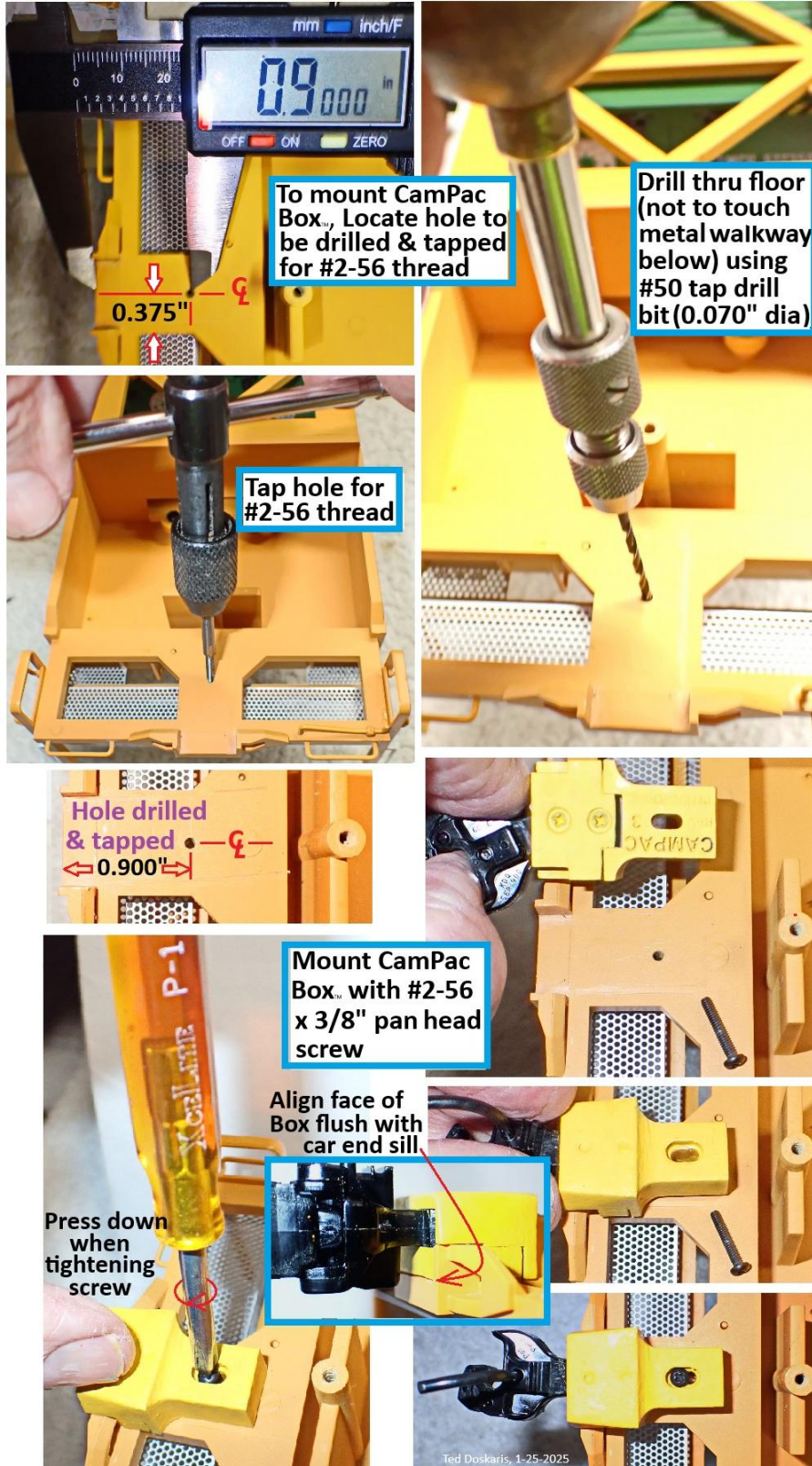
Clean up/square up opening with file for target dimensions of 0.640 inch wide and centered to accept CamPac Box™



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### Process for Mounting CamPac Boxes

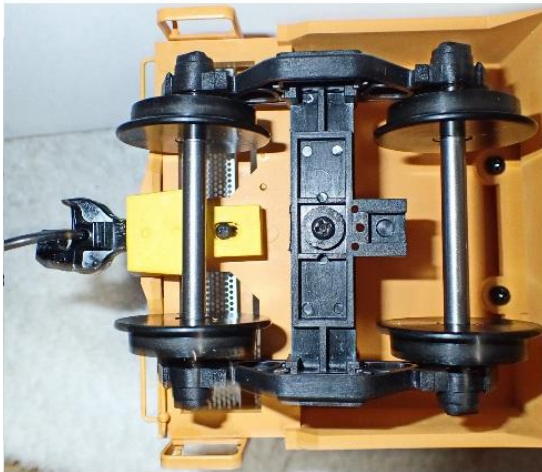
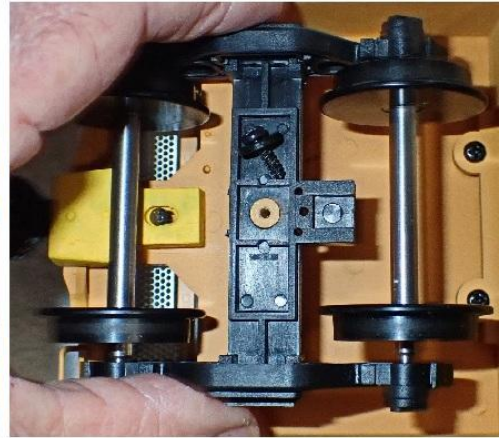
Mount the CamPac Boxes on the USAT Intermodal Car - shown below:



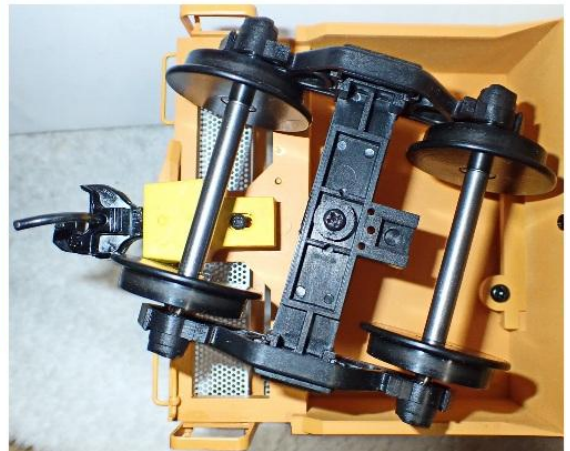
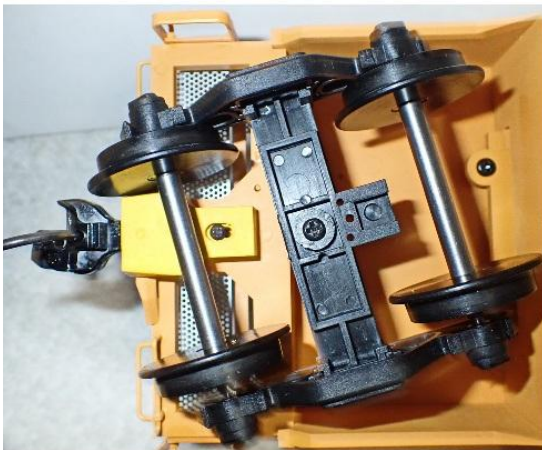


## Re-Install Trucks

Install modified trucks (tangs cut off) on the USAT Intermodal Car



**Completed!!!**



**The CamPac Box™ is designed to facilitate truck rotation for operation on 8 foot diameter or greater curves**

Ted Doskaris, 1-26-2025



Verify couplers align with Kadee 980 track height gauge.

If coupler does not align with the gauge, use shim/s under CamPac Box from the "pill capsule" in the Kadee 907 kit



***DONE !!!***