



Kadee®

Quality Products Co.

Catalog The Coupler People®



#148 Whisker® Coupler

Setting the standard in model railroading coupling for over 65 years.

Kadee® Quality Products Co.
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Patent number 5,662,229



MAGNE-MATIC®



Stopped over a Magnetic uncoupler, allowing slack to occur between the couplers. Knuckles have opened.



Withdraw slightly to disengage couplers. Magnetic force of the uncoupler draws couplers apart, uncoupling them.



Enter over uncoupler again, couplers are in delayed position allowing pushing of car(s) without causing re-coupling.



Withdraw, leaving uncoupled car(s) on desired track. Couplers automatically return to normal coupling position.

Notes:

INTRODUCTION AND TABLE OF CONTENTS

Here is the latest product catalog from Kadee® featuring HOn3, HO, S, Sn3, O, On3, On30, *1 and G scale products offering you the finest line of scale components for model railroading. The needs of our customers encourage us to try harder to make new and better products. Many changes we make simply reflect these changing needs as well as taking advantage of new technology in precision machining and die casting. The one thing that never changes though is the Kadee® Product Guarantee.

KADEE® PRODUCT GUARANTEE

All Kadee® products are guaranteed to be free of defects in workmanship or materials for 1 Year. Product defects arising from improper usage, shipping by sources other than Kadee® or abuse will not be honored. Cosmetic or environmental defects will not be honored. All returns must be authorized prior to return. Returns are shipped at the full expense of the customer unless prior arrangements have been made. Return defective materials directly to us for replacement or repair. Be sure to package items carefully as we cannot replace parts damaged in transit, nor parts that are determined to be damaged due to misuse or abuse. Subject to change without notice.

KADEE® PRODUCT RETURN POLICY

Product returns must be authorized prior to return. Returns may be made only up to 30 days from date of invoice & will be subject to a 20% restocking fee. Returns must include a copy of the original invoice and reason for the return. Returns are shipped at the full expense of the customer unless prior arrangements have been made. We cannot accept the return of products purchased from sources other than Kadee® Quality Products. Returns with defects arising from improper usage or abuse will not be honored.

Most Kadee® products are available at your local hobby shop. Your hobby dealer is your best source of Kadee® products and can provide many suggestions to help you enjoy your hobby. If your dealer is unable to provide you with the products you need, you may place your order directly with us. Orders may be placed by Phone, Fax or Online. Some items may only be available factory direct.

RETAIL CUSTOMER ORDERING

A \$5.00 handling fee will apply to orders. Domestic surface shipped retail orders can be shipped USPS or UPS. All foreign orders will be shipped USPS. All retail customers are responsible for all insurance as needed. Shipping will be calculated by Kadee® at the time the order is received. Shipping charges will be calculated by: weight, size & manner of shipping & a \$5.00 Handling fee will apply to all orders. Orders may be paid for using VISA, MasterCard, Check, Cashiers Check or Money Order in US Dollars prior to sending the fulfilled order. A returned check fee of \$25 will be charged and accrued interest until paid in full. No C.O.D.'s. All customers are responsible for all taxes, duties, or customs fees.

We always welcome your questions or suggestions are always welcome at Kadee® for a reply to your questions e-mail us or mail us your question, please include a self-addressed, stamped #10 envelope. Be sure to mention the scale you are working in.

Orders are usually shipped the same day as received. All merchandise is subject to availability at the time the order is placed. All prices, Shipping & Handling charges are subject to change without prior notice. UPS Surcharges may apply.

We reserve the right to correct errors and to modify designs or discontinued products without notice or obligation.

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COUPLER PRIMER

The Kadee® coupler primer will better acquaint you with the basics of the Magne-Matic® coupling and uncoupling system. Kadee® Quality Products Company is proud that its Magne-Matic® couplers are regarded as “the hobbies most respected couplers,” and in fact have become “The Standard by Choice” of model railroaders around the world. Also, we have included a list of terms and definitions used by Kadee® and much of the modeling world.

How We Arrived at Our Present Model Coupler

Model Railroading is a continually growing hobby beginning sometime in the early 1900's and has grown to the present day and it will continue into the distant future.

Manufactured models began as basic “toy like” models that could hardly be considered representative of the prototypes. Now days we have models that are so accurate that they are compared directly to the prototypes in almost every detail. Unfortunately, couplers did not advance at the same speed as the models and the industry suffered for a long time without a reliable functioning knuckle coupler. Modelers that have been in the hobby for a long time will remember the situation in the “old days” when, generally, couplers were not very reliable, realistic, or automatic.

When Kadee® Quality Products was formed it was with the idea of providing a reliable, realistic, automatic coupler and since 1942 Kadee® has remained a leader within the hobby.

Our earliest version of a knuckle coupler, the “K” series prototype was the first to combine a realistic looking coupler with a

feature where the coupler is never “locked” in a closed position. This allows the coupler to actually be “coupled” to at anytime and because of this feature the knuckle will flex while negotiating tight curves but still remain securely coupled. This was a major achievement, enthusiastically welcomed by the hobby.

Although a big stride forward, the “K” still required physical contact with a mechanical uncoupler. This was quite conventional for its day but not the most satisfactory arrangement. So after arriving at this acceptable “K” style coupler head with its realism and dependability, the next logical step was to eliminate the physical contact with mechanical uncoupling ramps.

This was achieved with the introduction of **Magne-Matic® Uncoupling** and was a major breakthrough utilizing magnetic force to actuate the coupler. The letter “M” was added to indicate a “K” style coupler operated magnetically and these became our “MK” series. Not long after this breakthrough, Kadee® developed **Delayed-Action Uncoupling**. Now it was possible to “spot” cars at most any location without having to actually uncouple them before pulling away. This, however, was not the end of the modelers coupler

problems. Now, even with a dependable functioning coupler, the modelers still faced the problems of properly mounting them on the many different types and makes of models, which sometimes required extensive modifications.

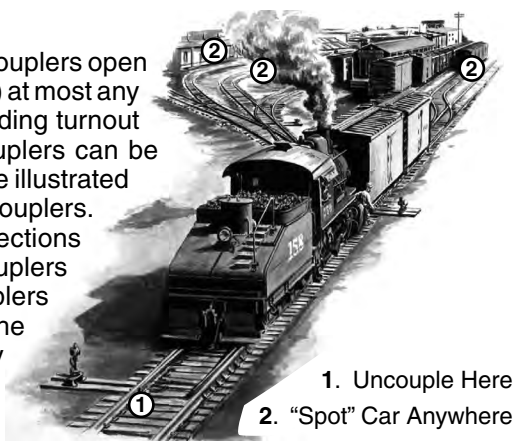
Kadee® realized that model manufacturers don't always agree on standards for coupler mounting. Because of this, we developed and now offer the largest variety of coupler box styles, “offset” couplers, and different shank lengths to help compensate for these coupler mounting variations. Since “all” of our couplers are actuated magnetically we no longer use the “MK” to designate them. We simply use a product number sign such as “^{no}5” coupler or #148 coupler, etc.

Kadee® Couplers have become the most respected couplers world wide due to constant research and development and a commitment to quality. We are always striving to improve the standards of the model railroading hobby.

What is Delayed Uncoupling

Delayed Magnetic Uncoupling® It is a unique way of keeping the couplers open and uncoupled while you push the cars to be dropped off (or spotted) at most any location. The Delayed Uncoupler is mounted just ahead of the leading turnout (switch) in any track serving a number of spurs and sidings. Couplers can be automatically set in the “**delayed position**” by first uncoupling (see illustrated uncoupling steps) then pulling forward to completely disengage couplers. The couplers are now in the delayed position, **offset** in opposing directions and will remain this way over the magnet. Now push back into the couplers and as long as there is “constant” pressure against the delayed couplers the cars now can be pushed or “**spotted**” to any location beyond the uncoupler without recoupling. Once at the desired location, simply pull away leaving the car/s at that location. The couplers will now snap back to center and are ready to be coupled again.

Kadee® Magne-Matic® Couplers are usually easy to install and can be adapted to almost any locomotive and rolling stock. Our couplers come with complete assembly instructions and, upon request, we provide special instructions and drawings for installations not covered in the couplers instructions, usually ones requiring some modifications.



KADEE® AUTOMATIC COUPLING AND UNCOUPLING

KADEE® COUPLERS AND UNCOUPLERS

Kadee® Magne-Matic® Couplers with **Delayed-Action Uncoupling** offer freedom of operation and realistic prototype train movements, with a minimum of uncoupling devices. It is a complete “Hands Off System” and much more automatic than even those on full-size railroads. No actual hand contact occurs during uncoupling, thus assuring smooth, reliable performance. Our couplers can also be set in a “**delayed**” position that allows you to “**spot**” cars anywhere on the layout.

HOW KADEE® COUPLERS AND UNCOUPLERS WORK

The **Delayed-Action Couplers** are ready to couple at all times—just push two cars together and they automatically “couple up”. As two couplers are pushed together, the knuckles pivot aside to bypass each other, then are returned to the closed position by a coil spring, known as the knuckle spring.

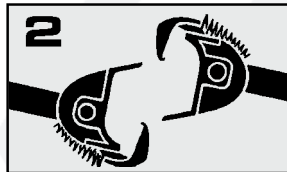
Uncoupling with Kadee® Couplers is done over a magnetic “**uncoupler**” (uncoupling ramp). Uncoupling takes place when mated couplers are pushed to a stop over a magnetic uncoupler. Kadee® Couplers are equipped with a metal wire “**trip pin**” that curves down from the knuckle of the coupler head. The trip pins are slightly off center so when a pair of couplers are stopped over an uncoupler and slack occurs between the two couplers, the magnetic force of the uncoupler pulls the two trip pins in opposite directions out towards the rails thus opening and “uncoupling” the couplers. If you push or pull the cars away from the magnet, each coupler will automatically snap back to its centered position. (Knowing this, you realize that you “cannot recouple” over a magnetic uncoupler.) This operation is known as “**slack uncoupling**”, a very simple and reliable principle. Kadee® Couplers are designed so that it requires two conditions to be met for them to uncouple: **1.** Positioning the couplers over an uncoupler; and **2.** Slack being caused between the couplers. Therefore a train can be pulled over the uncoupler while keeping a steady tension and the cars will not accidentally uncouple.

In HO, to uncouple without Delayed-Action you must use our non-delayed “312 uncoupler mounted in correct position in your track. For HO Delayed-Action uncoupling, you must use one of our delayed uncouplers, “321 between the rails, “308 under the ties or “309 electric uncoupler.

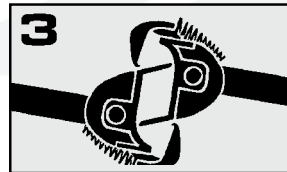
MAGNE-MATIC®



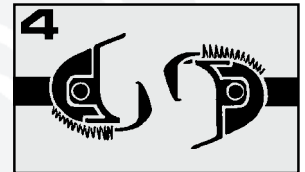
1
Stopped over a magnetic uncoupler, allowing slack to occur between the couplers. Knuckles have opened.



2
Withdraw slightly to disengage couplers. Magnetic force of the uncoupler draws couplers apart, uncoupling them.



3
Enter over uncoupler again, couplers are in delayed position allowing pushing of car(s) without causing recoupling.



4
Withdraw, leaving uncoupled car(s) on desired track. Couplers automatically return to normal coupling position.

STANDARDS

The **National Model Railroad Association, Inc. (NMRA)**, is an organization formed in 1935 to bring order out of chaos caused by the lack of standardization in the fledgling hobby of model railroading. It is made up of hobbyists like yourself, who have set down the *standards* accepted and used by the majority in the hobby. **Official NMRA “Standards”**: Cover basic scale specifications and information on items which are critical to the functioning of model railroads and necessary to the interchange of equipment between layouts.

NMRA “Recommended Practices”: Cover items of preferred design that are slightly less critical than those in *standards*, but are desirable for improved performance and maximum interchange between components.

The *standards* set down by the **NMRA** help to standardize the industry, so to speak. They are the basics that most manufacturers try to follow when making model railroad equipment. This enables you to use equipment from different manufacturers and be assured that it will match up. We at **Kadee®** follow these **NMRA Standards and recommended practices** as closely as possible in all of our products. Our couplers are very close to prototype appearance, so they do require a different approach to adapting and mounting on your equipment. For this reason we included the illustrations for *standard* dimensions for HO_{n3}, HO, S, O, and On3 couplers. **It is very important that you mount the couplers (in all scales) at the proper height and exactly centered on your equipment.** If the manufacturer of a particular car or locomotive has followed the **NMRA** standards for height of the coupler pocket or draft gear box on their model, you should be able to adapt the **Kadee® Coupler** and Draft Gear to their equipment without difficulty. If they have not, you may have to do some custom work to adapt Kadee® Couplers.

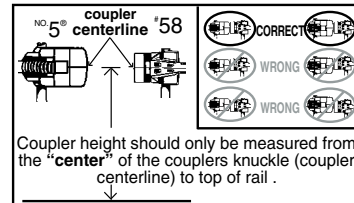
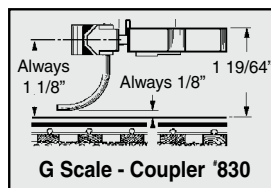
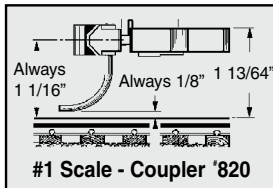
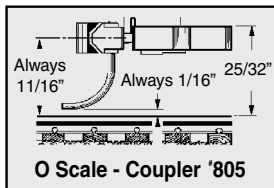
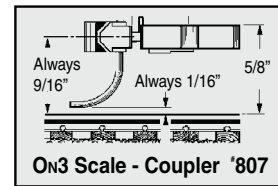
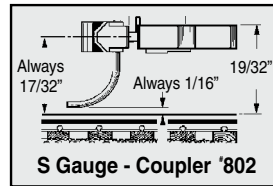
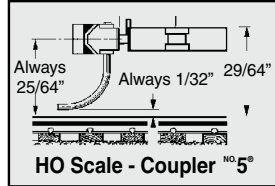
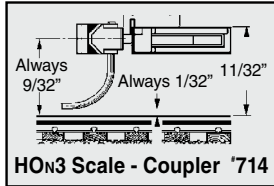
NMRA STANDARDS

NMRA

If you are not already a member, there is much that you are missing, so we urge you to join. Write to NMRA, Inc., 4121 Cromwell Rd., Chattanooga, TN 37421, web site www.nmra.org, e-mail hg@hqnmra.org, phone (423) 892-2846, fax (423) 899-4869.

COUPLER CENTERLINE HEIGHTS

The N.M.R.A. Standard S-1 for coupler heights is measured from the top of the rail to the "center" of the couplers knuckle (coupler centerline). All Kadee® height gauges are designed to meet the N.M.R.A. S-1 standard which will ensure dependable and reliable performance. (N.M.R.A. S-1 page 52)

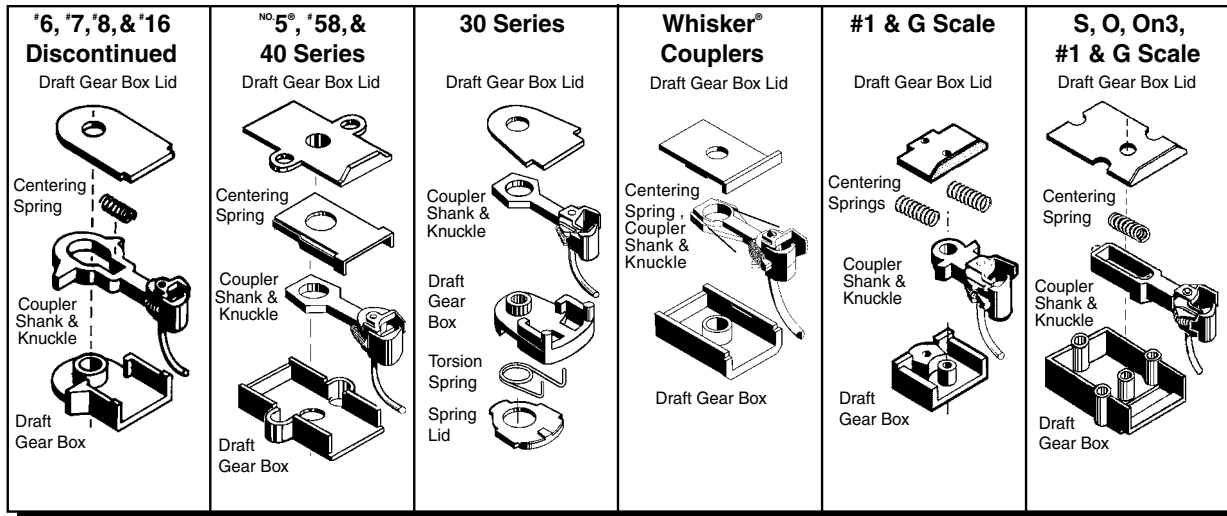


COUPLER HEIGHT & HEIGHT GAUGES

For the best and most reliable coupler performance the couplers need to be mounted at the "same height". To achieve the correct coupler height requires a coupler height gauge or couplers mounted correctly on a locomotive or rolling stock to be used as a gauge. Kadee® offers coupler height gauges for HO N3 (#704), HO (#205), S (#814), On3 (#813), O (#812), #1 (#829), and "G" (#880) scale. The above chart indicates the correct coupler heights for each scale. Also note, that now in HO scale there are couplers made to actual "scale dimensions" (our #58, #78, and #2100) where the coupler head is about 20% smaller than the standard #5 type of coupler. You still can use a #205 HO height gauge with a standard coupler or a scale coupler because you are only measuring or looking at the "center" and not the top or bottom of the coupler regardless of the actual size of the coupler head.

TYPICAL PARTS OF KADEE® COUPLERS

The illustrations below will help easily identify the various coupler components. Regardless of scale, all couplers are essentially the same and operate in similar ways.



Important Kadee® Web Site Pages (www.kadee.com)

Catalog (updates) www.kadee.com/htmbord/catalog.htm
 Handouts www.kadee.com/htmbord/handout.htm
 Product Instructions www.kadee.com/htmbord/instruc.htm
 Authorized Dealer Locator www.kadee.com/storelocator/
 New Products www.kadee.com/htmbord/newprod.htm
 Future Scheduled Freight Cars www.kadee.com/ca/preorder.htm

Coupler Conversion Info

HO Conversions www.kadee.com/conv/hocc.htm
 Large-Scale Conversions www.kadee.com/conv/lsc.htm

Kadee® HO-Scale Standard & Whisker Coupler Chart



MAGNE-MATIC® COUPLERS
World's Best Magnetic Couplers!

Kadee® Manufactured
& Assembled in the
U.S.A.



Chart Key

SC = Short
Centerset Shank

SU = Short
Underset Shank

SO = Short
Overset Shank

MC = Medium
Centerset Shank





























MU = Medium
Underset Shank

MO = Medium
Overset Shank

LC = Long
Centerset Shank

LU = Long
Underset Shank

LO = Long
Overset Shank

Plastic Standard Head with Metal Knuckles  Standard Couplers 	Plastic Standard Head with Metal Knuckles  Standard Couplers 	Metal Standard Head  Standard Couplers 	Metal “Scale” Head  Standard Couplers 	Metal Standard Head  Whisker® Couplers 	Metal “Scale” Head  Whisker® Couplers 	Metal “SF” Head  Whisker® Couplers 	Metal “SE” Head  Whisker® Couplers 				
Plastic Shank	Plastic Shank	Metal Shank	Metal Shank	Metal Shank	Metal Shank	Metal Shank	Metal Shank	Metal Shank			
with 213 & 232 or 234 Gear Box  Short Shank couplers get the 234 gear box option	with 233 Gear Box 	with 232 or 234 Gear Box  Short Shank couplers get the 234 gear box option	with 9 Gear Box 	with 232 Gear Box 	with 451 Extended Swing Gear Box 	with 242 Snap Together Gear Box 	with 115 Log Car Narrow Gear Box 	with 242 Snap Together Gear Box 	with 178 “Scale” Gear Box 	with 242 Snap Together Gear Box 	with 242 Snap Together Gear Box 

 "SC"	23	33	-----	-----	-----	-----	143	-----	-----	153	-----	-----	-----
 "SU"	24	34	-----	-----	-----	-----	144	-----	-----	-----	-----	-----	-----
 "SO"	25	35	-----	-----	-----	-----	145	-----	-----	-----	-----	-----	-----
 "MC"	28	38	5	9	58	451	148	3	115	158	178	118	119
 "MU"	27	37	-----	-----	-----	-----	147	-----	-----	-----	-----	-----	-----
 "MO"	22	32	-----	-----	-----	-----	142	-----	-----	-----	-----	-----	-----
 "LC"	26	36	-----	-----	-----	-----	146	-----	-----	156	-----	-----	-----
 "LU"	21	31	-----	-----	-----	-----	141	-----	-----	-----	-----	-----	-----
 "LO"	29	39	-----	-----	-----	-----	149	-----	-----	-----	-----	-----	-----

Patent numbers 5,662,229 & 5,785,192

Kadee® HO-Scale Couplers



Kadee® Manufactured
& Assembled in the
U.S.A.



Kadee®
MAGNE-MATIC® COUPLERS
World's Best Magnetic Couplers!

Standard Shank Couplers

Standard Head - Body Mount



2 pair of Couplers, #634 Centering Springs & Draft Gear Boxes *Note: The #148 coupler is the Whisker® Equivalent to the #5 coupler. See Offset Charts HO-1, HO-3, HO-4*

- #5 Metal - Medium (9/32") Centerset Shank - #232 Gear Box
#9 Metal - Medium (9/32") Centerset Shank - #9 Gear Box has a smaller center mounting hole in the gear box than the #232 Gear Box.



20-Series - Body or Talgo Mount

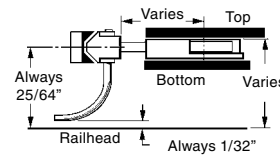


2 pair of Couplers, Offset Plastic Coupler Series with Metal Knuckles, with (#622) Coil Knuckle Spring, (#634) Bronze Centering Spring,

(#212) Talgo Truck Adapter, (#213) Gear Box & Sleeves, & Insulated (#232 or #234) Draft Gear Box.

Note: A 140-Series coupler mounted using the 213 or 232 gear box is equivalent mounting dimensions but stronger. See Offset Charts HO-1, HO-3, HO-4

- #21 Plastic - Long (25/64") Underset Shank - #213 & #232 Gear Box
#22 Plastic - Medium (9/32") Overset Shank - #213 & #232 Gear Box
#23 Plastic - Short (1/4") Centerset Shank - #213 & #234 Gear Box
#24 Plastic - Short (1/4") Underset Shank - #213 & #234 Gear Box
#25 Plastic - Short (1/4") Overset Shank - #213 & #234 Gear Box
#26 Plastic - Long (25/64") Centerset Shank - #213 & #232 Gear Box
#27 Plastic - Medium (9/32") Underset Shank - #213 & #232 Gear Box
#28 Plastic - Medium (19/64") Centerset Shank - #213 & #232 Gear Box
#29 Plastic - Long (25/64") Overset Shank - #213 & #232 Gear Box

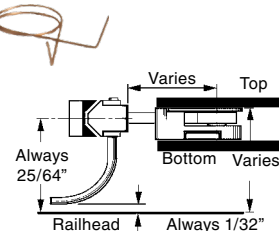


30-Series - Body Mount



2 pair of Couplers, Offset Plastic Coupler Series with Metal Knuckles, with (#622) Coil Knuckle Spring, (#621) Torsion Spring, & Insulated (#233) Draft Gear Box. *Note: A 140-Series coupler mounted with the #252 gear box is the 30-Series equivalent. mounting dimensions but stronger. See Offset Charts HO-1, HO-3, HO-4*

- #31 Plastic - Long (25/64") Underset Shank - #233 Gear Box
#32 Plastic - Medium (9/32") Overset Shank - #233 Gear Box
#33 Plastic - Short (1/4") Centerset Shank - #233 Gear Box
#34 Plastic - Short (1/4") Underset Shank - #233 Gear Box
#35 Plastic - Short (1/4") Overset Shank - #233 Gear Box
#36 Plastic - Long (25/64") Centerset Shank - #233 Gear Box
#37 Plastic - Medium (9/32") Underset Shank - #233 Gear Box
#38 Plastic - Medium (19/64") Centerset Shank - #233 Gear Box
#39 Plastic - Long (25/64") Overset Shank - #233 Gear Box



"Scale" Head - Body Mount



2 pair of "Scale" Head, Die Cast All Metal (9/32") Medium Centerset Standard Shank Coupler, with (#625) Coil Knuckle Spring, (#634) Bronze Centering Spring & Insulated (#232) Draft Gear Box. *Note: The #158 coupler is the Whisker® Equivalent to the #58 coupler.*

See Offset Charts HO-1, HO-3, HO-4

- #58 Metal - Medium (19/64") Centerset Shank - #232 Gear Box



Kadee® HO-Scale Gear Box Mounting Dimensions



MAGNE-MATIC® COUPLERS
World's Best Magnetic Couplers!

Kadee® Manufactured
& Assembled in the
U.S.A.



Gear Box Mounting Dimensions

Coupler in a #213 20-Series Gear Box mounted on Bottom		30-Series Coupler or Whisker® Coupler in a #252 Gear Box mounted on the bottom		30-Series Coupler or Whisker® Coupler in a #252 Gear Box mounted on the top		Coupler in a #232 Gear Box (™5" Type) or #242 Gear Box (Whisker® Type)		
21 141		31 141		31 141		21 141		Long Underset Shank
26 146 156		36 146 156		36 146 156		26 146 156		Long Centerset Shank
29 149		39 149		39 149		29 149		Long Overset Shank
27 147		37 147		37 147		27 147		Medium Underset Shank
No. 5®, 28, 58, 118, 119, 148, 158		38 118 119 148 158		38 118 119 148 158		No. 5®, 28, 58, 118, 119, 148, 158		Medium Centerset Shank
22 142		32 142		32 142		22 142		Medium Overset Shank
24 144		34 144		34 144		24 144		Short Underset Shank
23 143 153		33 143 153		33 143 153		23 143 153		Short Centerset Shank
25 145		35 145		35 145		25 145		Short Overset Shank

Patent numbers 5,662,229 & 5,785,192

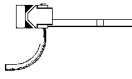
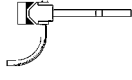
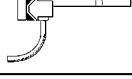
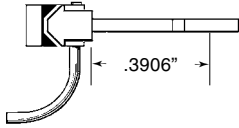
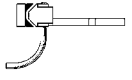
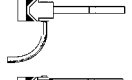

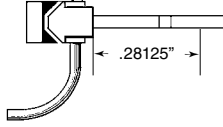
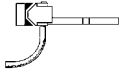
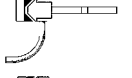
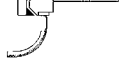
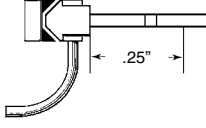
Kadee® HO-Scale Offset Couplers Chart



Kadee® Manufactured
& Assembled in the
U.S.A.



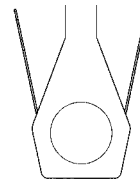
Kadee®
MAGNE-MATIC® COUPLERS
World's Best Magnetic Couplers!

141* 21, 31 146*, 156* 26, 36 149* 29, 39	  	"LU" Long all metal Underset shank raises knuckle height Long plastic Underset shank raises knuckle height "LC" Long all metal Centerset shank knuckle is centered Long plastic Centerset shank knuckle is centered "LO" Long all metal Overset shank lowers knuckle height Long plastic Overset shank lowers knuckle height	 Long Centerset Shank
147* 27, 37 No. 5®, 9, 58, 118*, 119*, 148*, 158* 28, 38 142* 22, 32	  	"MU" Medium all metal Underset shank raises knuckle height Medium plastic Underset shank raises knuckle height "MC" Medium all metal Centerset shank knuckle is centered Medium plastic Centerset shank knuckle is centered "MO" Medium all metal Overset shank lowers knuckle height Medium plastic Overset shank lowers knuckle height	 Medium Centerset Shank
144* 24, 34 143*, 153* 23, 33 145* 25, 35	  	"SU" Short all metal Underset shank raises knuckle height Short plastic Underset shank raises knuckle height "SC" Short all metal Centerset shank knuckle is centered Short plastic Centerset shank knuckle is centered "SO" Short all metal Overset shank lowers knuckle height Short plastic Overset shank lowers knuckle height	 Short Centerset Shank

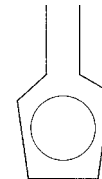
This Chart Represents Kadee® Coupler Shank Variations. Not Possible Variations in Draft Gear Boxes.

A * represents couplers with the Whisker® Shank all other couplers use the Standard Shank.
All couplers listed will function in each others draft gear boxes with exception of the 30-Series gear box will not work with Whisker® Couplers. The #252 gear box is the Whisker® Coupler 30-Series equivalent gear box.

All the #140 series couplers may not be available at this time. They will be made available as necessary.
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* Whisker® Shank



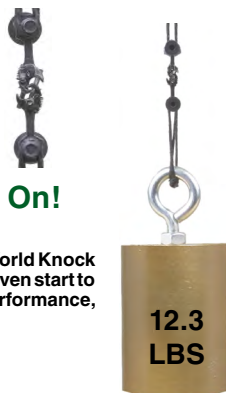
Standard Shank

Patent numbers 5,662,229

The Standard Shank design found on the #5, 9, 58, 20-Series, 30-Series & 40-Series couplers allows the couplers to be easily interchanged with #213, 232 (medium & long), 233, 234 (short), & 242 draft gear boxes as well as "molded on" coupler pockets.

The Whisker® Shank design found on the new #3, 115, 118, 119, 141, 142, 143, 144, 145, 146, 147, 148, 153, 156, 158, 178, & 451 couplers allows the couplers to be easily interchanged with #213, 232, 234, 242, 252, & 262 draft gear boxes as well as "molded on" coupler pockets.

#58 Coupler
+
12.3 LBS
+
#58 Coupler



Performance You Can Count On!

Compatible with all HO Scale Kadee® couplers.

Kadee® Couplers Out Pull & Perform All "Third World Knock Offs (CLONES)" Hands Down. No "CLONE" can even start to measure up to Kadee's® Quality, Trouble Free Performance, Durability and Reputation.

The Original and Still the Best!

Find the latest HO-Scale coupler conversions on our web site.

Conversion List

www.kadee.com/conv/holist.pdf

Conversion Drawings

www.kadee.com/conv/ho.htm

Patent numbers 5,662,229 & 5,785,192

Kadee® HO-Scale Whisker® Couplers



MAGNE-MATIC® COUPLERS

World's Best Magnetic Couplers!

Kadee® Manufactured
& Assembled in the
U.S.A.



Whisker® Shank Magne-Matic® Couplers

Standard Head Whisker® Couplers

2 pair of Couplers except as noted, Offset Die Cast All Metal Whisker® Coupler Series, with #622 Coil Knuckle Spring, & Insulated Draft Gear Box. Note: #148 Coupler has the same mounting dimensions, quality & dependability as the #5®. See Offset Charts HO-1, HO-3, HO-4

with #115 Log Car Gear Box - for use on Kadee® logging cars.

#115 Metal - #148 Medium (9/32") Centerset Shank



#115

with #242 Snap Together Gear Box See Offset Chart

#3 Metal - Assembled #148 Coupler & #242 Gear Box

#141 Metal - Long (25/64") Underset Shank

#142 Metal - Medium (9/32") Overset Shank

#143 Metal - Short (1/4") Centerset Shank

#144 Metal - Short (1/4") Underset Shank

#145 Metal - Short (1/4") Overset Shank

#146 Metal - Long (25/64") Centerset Shank

#147 Metal - Medium (9/32") Underset Shank

#148 Metal - Medium (9/32") Centerset Shank

#149 Metal - Long (25/64") Overset Shank



#148



with #451 Extended Swing Gear Box - for passenger or long freight cars. Perfect for negotiating tighter radius curves.

#451 Metal - #148 Medium (9/32") Centerset Shank (1 pair)



#451

Shelf Head Whisker® Couplers

2 pair of Couplers, Die Cast All Metal Fully Functioning Shelf Whisker® Coupler Series, with #622 or #625 Coil Knuckle Spring, & Insulated #242 Draft Gear Box.

See Offset Charts HO-1, HO-3, HO-4

#118 Metal - Type "SF" Shelf - Medium (9/32") Centerset Shank, #622 Coil Knuckle Spring

#119 Metal - Type "SE" Shelf - Medium (9/32") Centerset Shank, #625 Coil Knuckle Spring



#118



#119

"Scale" Head Whisker® Couplers

2 pair of Couplers, Offset Die Cast All Metal "Scale" Whisker® Coupler Series, with (#625) Coil Knuckle Spring, & Insulated #242 Draft Gear Box. Note: #158 Coupler has the same mounting dimensions, quality & dependability as the #58.

See Offset Charts HO-1, HO-3, HO-4

with #242 Snap Together Gear Box See Offset Chart

#153 Metal - Short (1/4") Centerset Shank

#156 Metal - Long (25/64") Centerset Shank

#158 Metal - Medium (9/32") Centerset Shank

with #178 "Scale" Snap-together Gear Box

#178 Metal - #158 Medium (9/32") Centerset Shank



#153



#156



#158



#178

Patent numbers 5,662,229 & 5,785,192

Kadee® HO-Scale Bulk Pack Couplers



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World's Best Magnetic Couplers!

Bulk Pack Couplers

	#5[®] Couplers without Gearboxes	#58 "Scale" Couplers without Gearboxes	#148 Whisker® Couplers without Gearboxes	#158 "Scale" Whisker® Couplers without Gearboxes
				
10 Pair Bulk Pack	10	-----	-----	-----
20 Pair Bulk Pack	11	12	-----	-----
25 Pair Bulk Pack	-----	-----	14	150
50 Pair Bulk Pack	-----	-----	140	151

Bulk Packs Standard & Whisker® Couplers

Kadee® Metal Knuckle & Centering Springs Won't Take a Set.



Standard Shank Bulk Pack Couplers

Standard Shank, Die Cast All Metal Couplers, with Coil Knuckle Springs, & (#634) Bronze Centering Springs, without draft gear boxes.



- #10 Metal - #5[®] Couplers (10 Pair)
- #11 Metal - #5[®] Couplers (20 Pair)
- #12 Metal - #58 "Scale" Couplers (20 Pair)



Whisker® Shank Bulk Pack Couplers

Whisker® Shank, Die Cast All Metal Couplers, with Coil Knuckle Springs, without draft gear boxes.



- #14 Metal - #148 Couplers (25 Pair)
- #118-25 Metal - #118 "SF" Couplers (25 Pair)
- #119-25 Metal - #119 "SE Scale" Couplers (25 Pair)
- #140 Metal - #148 Couplers (50 Pair)
- #150 Metal - #158 "Scale" Couplers (25 Pair)
- #151 Metal - #158 "Scale" Couplers (50 Pair)
- #153-25 Metal - #153 "Scale" Couplers (25 Pair)
- #156-25 Metal - #156 "Scale" Couplers (25 Pair)



Patent numbers 5,662,229 & 5,785,192

Kadee® HO-Scale Specialty Shank Couplers







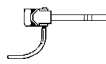



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Specialty Shank Couplers

	Metal Standard Head		Metal "Scale" Head		Plastic 3/4 Size Light Duty	
	 Couplers  Metal Shank Designed For Locomotive Pilots		 Tear Drop Couplers  Metal Shank		 Couplers  Metal Shank	
	with 8 Gearboxes		with PS-1 Boxcar 2100 "Scale" Gearboxes		Black	Rust
	KIT		ASSEMBLED		KIT	KIT
Medium Shank 	8		-----		-----	-----
Medium Centerset Shank 	-----		2100		711	712

3/4 Size Head, Light Duty - Body Mount

2 pair of 3/4 Size Head, Plastic Coupler, with (#636) Coil Centering Spring, & Draft Gear Box.
Same as the #714 except with longer Trip Pin. (The #702 Coupler Assembly Fixture can be used to ease assembly)

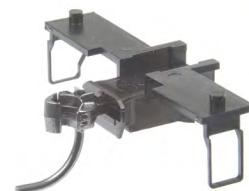
- #711 Plastic - Black
- #712 Plastic - "Rust" Color



"Scale" Head & Gear Box PS-1 Replacement

1 pair "Scale" Head, Die Cast All Metal Medium Centerset Shank Coupler, with (#625) Coil Knuckle Spring, & "Scale" Insulated Draft Gear Box. **FACTORY ASSEMBLED**

- #2100 Metal - Medium Centerset Shank & Scale PS-1 Gear box



Kadee® HO-Scale NEM-362 Couplers



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NEM 362 Couplers

Plastic Standard Head

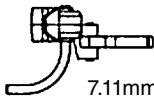
Swallow-Tail Shank



without Gear boxes

ASSEMBLED

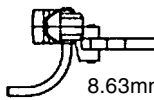
Short Shank NEM 362 Coupler



17

7.11mm (9/32")

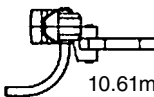
Medium Shank NEM 362 Coupler



18

8.63mm (11/32")

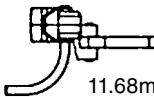
Long Shank NEM 362 Coupler



19

10.61mm (27/64")

Extra Long Shank NEM 362 Coupler

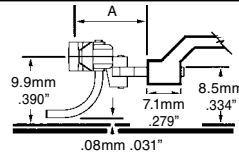


20

11.68mm (29/64")



European
NEM 362
coupler
pocket



A

SHORT 7.11mm (9/32")
MEDIUM 8.63mm (11/32")
LONG 10.61mm (27/64")
EXTRA LONG 11.68mm (29/64")

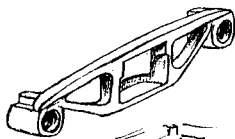
Standard Head - NEM-362

2 pair Snap-In Couplers for European Equipment, with (#622) Coil Knuckle Spring, & (#620) Centering Spring.
For use with HO-scale NEM-362 draft gear pocket not included.

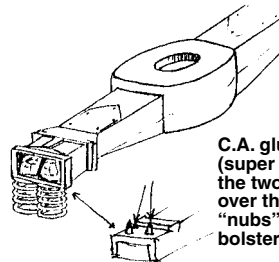
- #17 Plastic - Short - 7.11mm (9/32")
- #18 Plastic - Medium - 8.63mm (11/32")
- #19 Plastic - Long - 10.61mm (27/64")
- #20 Plastic - Extra Long - 11.68mm (29/64")



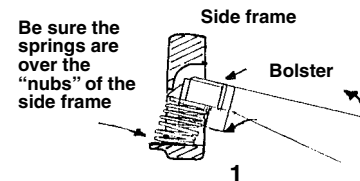
Securing Truck Springs With Glue



501 side frame
note "nubs"



C.A. glue
(super glue)
the two springs
over the two
"nubs" on the
bolster

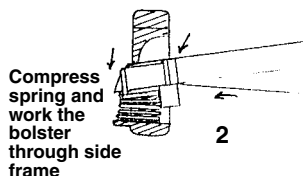


Be sure the
springs are
over the
"nubs" of the
side frame

Side frame

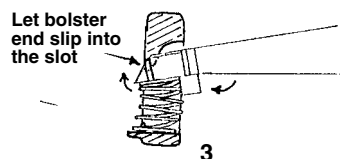
Bolster

1



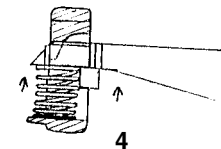
Compress
spring and
work the
bolster
through side
frame

2



Let bolster
end slip into
the slot

3



4

Kadee® HO-Scale Conversion Kits



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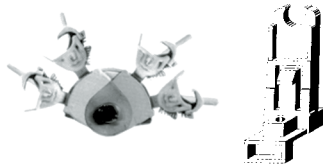


Conversion Kits

Coupler Conversion Kits

Each kit includes Replacement bracket, Couplers & Gear Boxes.

- #450 For Stewart F-3 "A" & "B" & F-7 "A" & "B" Locomotives (Not For EMD FT "A" & "B" Locomotives)
- #452 For Bachmann Plus F-7 "A" & "B" Locomotives
- #455 For LIFE-LIKE® PROTO 2000™ "E-7" "A" & "B" & PA/PB Locomotives



Extended Swing Gear Box Kits

- #451 1 pair of #148 Medium (9/32") Centerset Shank Whisker® Couplers, with #622 Coil Knuckle Spring, & #451 Insulated Extended Swing Gear Box. for passenger or long freight cars for negotiating tighter radius curves.



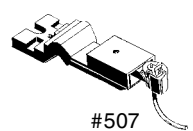
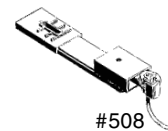
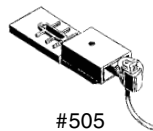
- #454 Swing Bracket Adaptor Kit, Designed to provide a wide swinging coupler mounting bracket for locomotives and cars (60' and over) using modified 30-Series Gear Box included. The bracket allows negotiation of 18" radius "S" curves, switch ladders and crossovers. (Couplers Not Included)



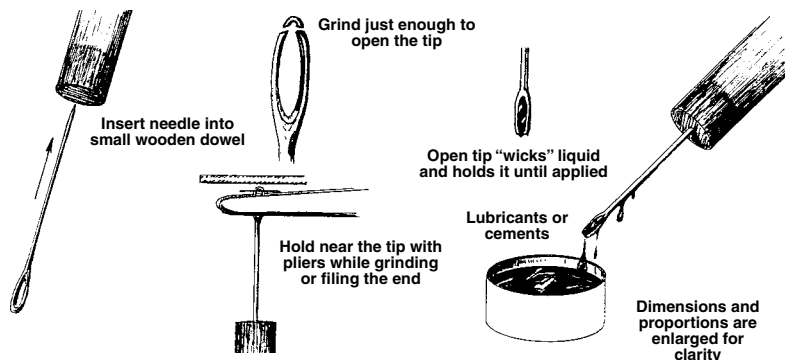
Passenger Cars Conversion Bolsters

1 pair of passenger car conversion bolsters with Metal Medium Centerset Couplers. Each kit includes Standard Head, Die Cast All ^{NO 5} Metal Medium Centerset Standard Shank Couples, with (#622) Coil Knuckle Spring, (#634) Bronze Centering Spring, Conversion Bolster & Draft Gear Box.

- #505 For AHM, IHC, Con-Cor & Rivarossi 6-Wheel
- #507 For Central Valley 6-Wheel
- #508 For AHM, IHC, Con-Cor & Rivarossi 4-Wheel



Lube or Cement Applicators



Patent numbers 5,662,229

Kadee® HO-Scale Coupler Kits



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Coupler Kits

Coupler Sample Test Kit

#13

Couplers One Pair of Each

^{NO}5® Medium Centerset - Metal, #21/31 Long Underset - Plastic, #22/32 Medium Overset - Plastic, #23/33 Short Centerset - Plastic, #24/34 Short Underset - Plastic, #25/35 Short Overset - Plastic, #26/36 Long Centerset - Plastic, #27/37 Medium Underset - Plastic, #28/38 Medium Centerset - Plastic, #29/39 Long Overset - Plastic, #141 Long Underset - Metal, #142 Medium Overset - Metal, #143 Short Centerset - Metal, #144 Short Underset - Metal, #145 Short Overset - Metal, #146 Long Centerset - Metal, #147 Medium Underset - Metal, #148 Medium Centerset - Metal, #149 Long Overset - Metal, #158 "Scale" Medium Centerset

Gear Boxes, Adaptors One Sprue of Each

#212 Talgo Truck Adaptors
#213 20-Series with Sleeves

#232 ^{NO}5® Type

#233 30-Series

#234 Short ^{NO}5® Type

#242 Whisker® Snap-Together

#252 Small Whisker® Snap-Together

Screws, Springs, Washers, & Shims

#208 .015" Red Fiber Washer

#209 .010" Gray Fiber Washer

#211 .010" & .015" Shims

#256 Plastic 2-56 x 1/2" Screws

#621 30-Series Torsion Spring

#622 Knuckle Springs

#634 ^{NO}5® Type Centering Spring

Uncouplers One Each

#321 Code 100 Between-The-Rails

#322 Code 83 Between-The-Rails

Tools One Each

#231 Greas-em

#206 Coupler Height Gauge

#241 Dual Tool



HO-Scale Starter Kit

This package of Kadee® products is designed to assist the beginning model railroader in learning the basic modeling skills of proper coupler mounting and use of the Magne-Matic® coupler system. The following items are a basic selection of assorted couplers and related products that should be enough for the beginner to acquire the knowledge needed for proper coupler selection and mounting. **Includes Two Pair of Couplers**

#1030

- ^{NO}5® 2 Pair of Couplers, All Metal Medium Centerset
- #142 Whisker Coupler, 2 Pair, All Metal Medium Overset
- #143 Whisker Coupler, 2 Pair, All Metal Short Centerset
- #146 Whisker Coupler, 2 Pair, All Metal Long Centerset
- #147 Whisker Coupler, 2 Pair, All Metal Medium Underset
- #148 Whisker Coupler, 2 Pair, All Metal Medium Centerset
- #158 Whisker Coupler, "Scale Head" All Metal Medium Centerset
- #206 HO Coupler Height Gauge, Multi Purpose
- #208 .010" Thick Fiber Washer Shims, Red
- #209 .015" Thick Fiber Washer Shims, Gray
- #211 Plastic Shims .010" and .015" Thick, for draft gear boxes
- #231 Greas-em Dry Graphite Lubricant
- #237 Trip Pin Pliers (For adjusting coupler trip pins, HO_{N3} to O Scale)
- #241 "Dual" Tool (Manual Uncoupling and Spring Pick Combination)
- #256 Plastic 2-56 x 1/2" Screws
- #321 Permanent Code 100 Between the Rails Magnetic Uncoupler
- #322 Permanent Code 83 Between the Rails Magnetic Uncoupler
- #334 Uncoupler Gluing Jig



Patent numbers 5,662,229 & 5,785,192

Kadee® HO-Scale Coupler Accessories



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Accessories

Talgo Adaptors

- #211 Gear Box Shims .010" & .015" thick For all HO-Scale Gear Boxes.
- #212 Talgo Truck Adaptors (use the #230 insertion pic to install)



#211



#212

Centering Springs

- #620 For NEM Couplers #17, #18, #19, #20
- #621 For 30-Series Couplers
- #634 For ^{NO}5°, #9, 20-Series, 40-Series, #58, #505, #506, #507, #508 & old style #3, #118 Couplers
- #635 For #7 & #8 Couplers
- #636 For #711, #712, #714, & #715 Couplers



#620



#621



#634



#635



#636

Knuckle Springs

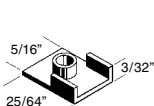
- #622 For use with all "Standard" Head HO-Scale Couplers
- #625 For use with all "Scale" Head Couplers #58, #78, #119, 150-Series & #2100 Couplers



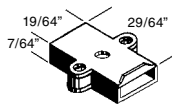
Gear Boxes With Lids

All Gear Boxes are Insulated Plastic.

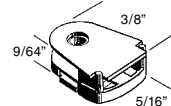
- #213 Included in 20-Series Couplers - with .055" & .100" sleeves - Works with ^{NO}5°, #58, 20-Series, 40-Series & all Whisker® Couplers
- #232 For ^{NO}5°, #21, #22, #26, #27, #28, #29, #58 & all Whisker® Couplers
- #233 For 30-Series Couplers
- #234 For #23, #24, #25, #45 Couplers also works with all Whisker® Couplers
- #242 Snap-together Gear Box For all Whisker® Couplers, ^{NO}5°, #58, #118, #119, 20-Series, 40-Series, 140-Series & 150-Series
- #252 Small Snap-together Gear Box for all Whisker® Couplers. Whisker® Coupler equivalent to 30-Series Gear Box
- #262 Low Profile & Narrow Snap-together Gear Box For all Whisker® Couplers



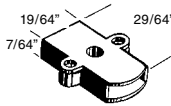
#213



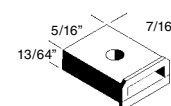
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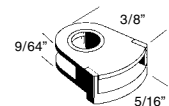
#233



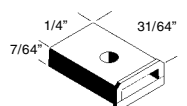
#234



#242



#252

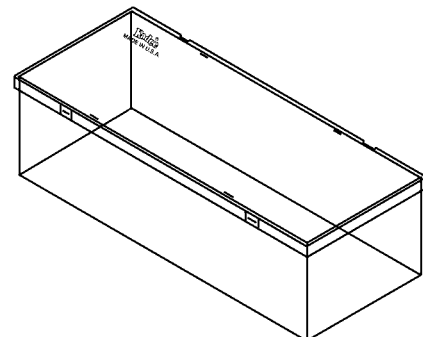


#262

Freight Car Storage Boxes

Keep your freight cars clean and safe when they are not in use. Clear plastic storage boxes and lids. Lid securely snaps to box for added protection. (One Each)

- #3000 Plastic Box Only
- #3010 Plastic Box & 40' Boxcar Nest
- #3011 Plastic Box & 50' Boxcar Nest
- #3012 Plastic Box & Hopper Nest



Kadee® HO-Scale Uncouplers



Kadee® Manufactured
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MAGNE-MATIC® COUPLERS
World's Best Magnetic Couplers!

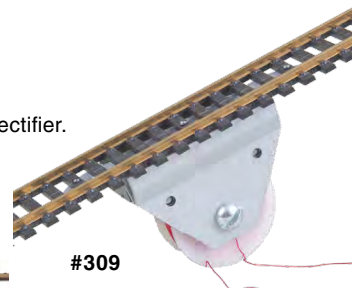
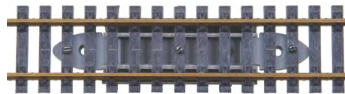
Uncouplers

Electric Delayed Uncoupler (Track Not Included)

- #309 "Under-the-Track" - Fits any HO Code track. Operates: 16 volt DC.
We recommend a 16 volt DC power source (at least 3 Amps) or
18 volt AC power source (at least 3 Amps) converted to DC with bridge rectifier.

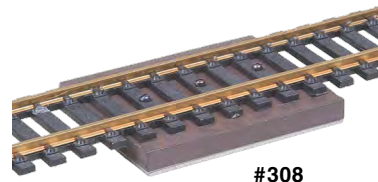
Use (normally open) Momentary Switches with Electric Uncouplers.
Like #165 Momentary Quickie Switches
The #166 Transformer meets AC power source voltage requirements.

WARNING: Do not use the uncoupler continually. **DO NOT activate the uncoupler for longer than 2 MINUTES at one time.** This will avoid possible overheating which will damage the uncoupler.



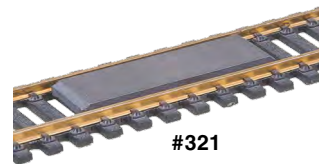
Delayed Uncouplers

- #308 HO thru O-Scale - "Under-the-Track"
Permanent Delayed Magnet (Track Not Included)



Use the #334 Uncoupler Gluing Jig to aid in precision installation "Between-The-Rails" Uncouplers.

- #321 "Between-the-Rails" - Code 100 Delayed Magnet (Track Not Included)
#322 "Between-the-Rails" - Code 83 Delayed Magnet, Also fits Code 70 to 55
with track modification (Track Not Included)



Non-Delayed Uncouplers

Uncouplers Only. Does not open knuckle enough for Delayed Position.

Use the #334 Uncoupler Gluing Jig to aid in precision installation "Between-The-Rails" Uncouplers.

- #312 "Between-the-Rails" - Permanent Non-Delayed Magnet (Track Not Included)



Uncoupler Gluing Jig

- #334 Uncoupler Gluing Jig - Aid in precision installation of "Between-the-Rails" Uncouplers in track.



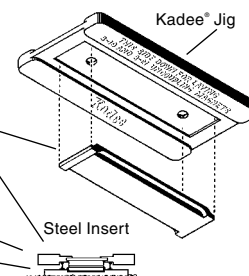
For Installing Kadee®
#312, #321 & #322
Permanent
Magnet Uncouplers

Uncoupling magnet

Magnet embedded in glue

Kadee® Jig

Ties



Kadee® HO-Scale Height Gauges & Spikes



MAGNE-MATIC® COUPLERS
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Coupler Height Gauges

Coupler Height Gauges

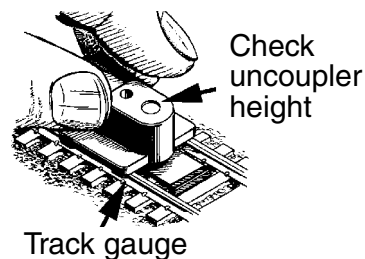
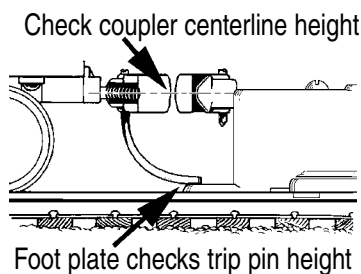
- 1) Provides instant visual reference of proper coupler height, standard and "scale" size couplers included
- 2) Accurately measures proper trip pin height above the rail
- 3) Built-in track gauge (N.M.R.A. Standard)
- 4) Moveable dowel tests Kadee® Magne-Matic® Uncoupler height and registers the needed adjustments
- 5) (#206 only) Provides instant visual reference of proper body mounting height.

- #205 All Metal Coupler Height Gauge
#206 Insulated Coupler Height Gauge

#205



#206



Twin "Rail Spiker"

Spikes

Only for use with the Kadee® Twin "Rail Spiker".
Approximately 4000 per box

- #700-31 For Code 70 & Code 83
#700-32 For Code 100



Twin "Rail Spiker" Parts

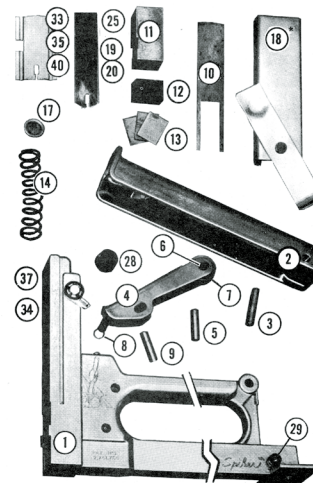
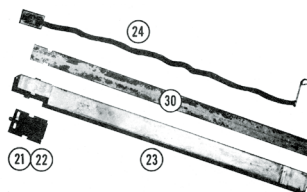
Only for use with the Kadee® Twin "Rail Spiker".
Subject to stock on hand only

Common Replacement Parts

- 700-14 Hammer Spring
700-19 Cutter Blade code 70
700-20 Cutter Blade code 100
700-21 Cutter Head code 70
700-22 Cutter Head code 83 & 100
700-25 Cutter Blade code 83

Spiker Conversion Kits

- 700-70A Spiker Conversion Kit converts code 100 to code 70
700-83B Spiker Conversion Kit converts code 70 to code 83
700-100A Spiker Conversion Kit converts code 70 to code 100



Patent numbers 5,662,229 & 5,785,192

Kadee® HO-Scale Wheelsets



Kadee® Manufactured
& Assembled in the
U.S.A.



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World's Best Magnetic Couplers!

Wheelsets

Freight & Passenger Wheels (Code 110)

Non Magnetic Free Rolling Contoured Axles with RP-25 Contour Wheels.
Twelve Sets

- #520 Wheel Set - 33" Smooth Back
- #521 Wheel Set - 36" Ribbed Back
- #522 Wheel Set - 36" Smooth Back
- #523 Wheel Set - 33" Ribbed Back
- #524 Wheel Set - 28" Smooth Back



Freight & Passenger Wheels (Code 88)

Non Magnetic Free Rolling Contoured Axles with RP-25 Contour Wheels.
Twelve Sets

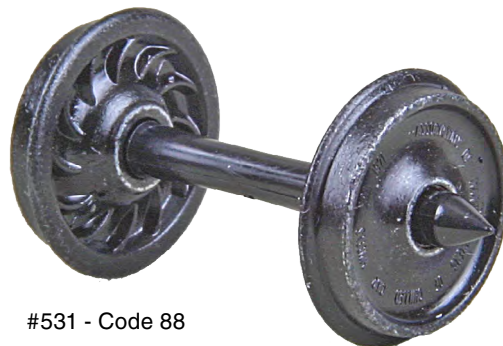
- #530 Wheel Set - 33" Smooth Back
- #531 Wheel Set - 36" Ribbed Back
- #532 Wheel Set - 36" Smooth Back
- #533 Wheel Set - 33" Ribbed Back



The term Code 110 and Code 88 relates to the width of the wheels and has no relationship to track code. Code 110 wheels are .110" wide and Code 88 are .088" wide. Code 110 wheels are the common (or standard) width wheels and Code 88 are what is called "semi scale" and are used when the modeler wants a more prototypical looking wheel width. Actual HO-Scale prototypical wheel width would be around .067" wide and although they will run OK on the average track they will not go through common turnouts and crossings. Code 88 (.088") is just about the minimum width of wheel that will run on most standard or common track if gauged correctly. It really is a matter of appearances because there's very little operational differences between running Code 110 or Code 88 wheels. Code 88 wheels look really good and are most noticeable on open frame cars like hoppers and tank cars. However, they also look great on box cars, gondolas, and reefers but not quite as noticeable. As mentioned above track code and wheel code have no relationship meaning Code 110 and Code 88 will run on most any code of track. Track code is simply the measured height of the rail, code 100 is .100" tall, code 83 is .083" tall, code 70 is .070" tall, and so on.



#521 - Code 110



#531 - Code 88

Kadee® HO-Scale Freight Trucks



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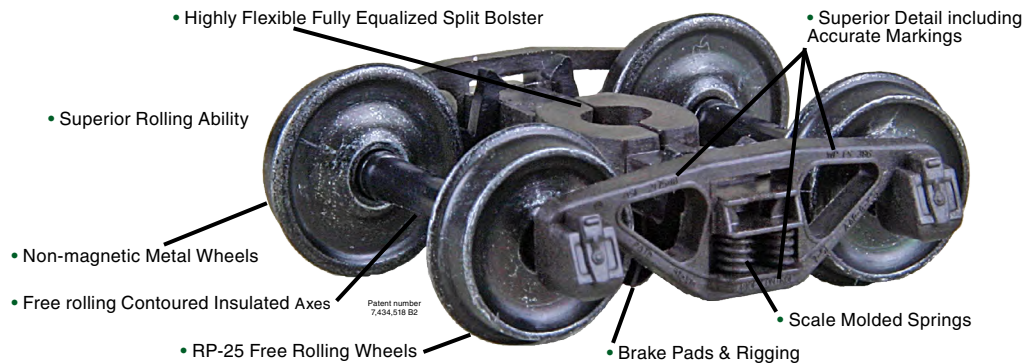
Kadee® offers 4 variations of our HO-Scale Trucks.

Metal Fully Sprung, Equalized Trucks: All metal trucks with functioning spring design for truck equalization. Metal RP-25 wheels with insulated plastic axles, & scale clip on brake pads & brake rigging or cast on brake rigging*.
#500*, 501*, 504, 509*, 511*, 513, 515*, 517*, 518

Metal Fully Sprung, Equalized Trucks with Couplers: All metal trucks with functioning spring design for truck equalization. Metal RP-25 wheels with insulated plastic axles, scale clip on brake pads & brake rigging cast on brake rigging*, now with truck mount Whisker® Couplers. #502*, 503*, 510, 512*, 516*

Metal Fully Sprung, Equalized Trucks with Self-Centering: All metal trucks with functioning spring design for truck equalization. Metal RP-25 wheels with insulated plastic axles, scale clip on brake pads & brake rigging or cast on brake rigging*, & Self-Centering Action. The Self-Centering Action trucks self align themselves parallel with the car for easier placement on track.
#550*, 551*, 552, 553*, 554*, 555, 556*, 557*, 558

"HGC" Two Piece, Equalized Trucks with Self-Centering: "HGC" High Gravity Compound weighs nearly the same as Metal Trucks but with more detail & a 2 piece split bolster design for more efficient truck equalization, reduced axle friction for greater rolling performance. Metal RP-25 wheels with insulated plastic axles, scale clip on brake pads & brake rigging, & Self-Centering Action. The Self-Centering Action trucks self align themselves parallel with the car for easier placement on track.
#560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 580, 581, 582, 583



A.S.F.® A-3 Ride-Control® #562 "HGC" - Self Centering

Metal Fully Sprung Freight Trucks

Andrews (1898) 50-Ton Freight Truck

**Metal Fully Sprung Freight Trucks with 33" ribbed back wheels
(One Pair)**

- #509 Andrews (1898) Truck
- #553 Andrews (1898) Truck - Self Centering

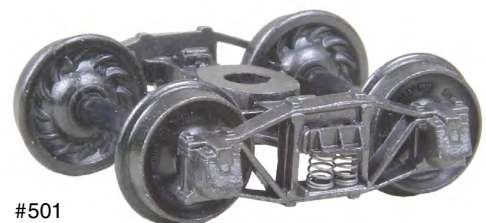


#509

Arch Bar 50-Ton Freight Truck

**Metal Fully Sprung Freight Trucks with 33" ribbed back wheels
(One Pair)**

- #501 Arch Bar Truck
- #551 Arch Bar Truck - Self Centering



#501

Patent numbers 5,768,999, 7,434,518 B1

Kadee® HO-Scale Freight Trucks



Kadee® Manufactured
& Assembled in the
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World's Best Magnetic Couplers!

A.S.F® A-3 Ride-Control® 50-Ton Freight Truck

**Metal Fully Sprung Freight Trucks with 33" smooth back wheels
(One Pair)**

- #504 A.S.F® A-3 Ride-Control® Truck
- #552 A.S.F® A-3 Ride-Control® Truck - Self Centering

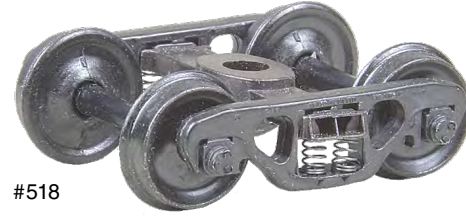


#504

Barber® S-2, S-2-B, & S-2 (ACL) 70-Ton Freight Truck

**Metal Fully Sprung Freight Trucks with 33" smooth back wheels
(One Pair)**

- #518 Barber® S-2 Truck
- #558 Barber® S-2 Truck - Self Centering



#518

Bettendorf 50-Ton Freight Truck

**Metal Fully Sprung Freight Trucks with 33" smooth back wheels
(One Pair)**

- #500 Bettendorf Truck
- #550 Bettendorf Truck - Self Centering



#500

Bettendorf T-Section 50-Ton Freight Truck

**Metal Fully Sprung Freight Trucks with 33" ribbed back wheels
(One Pair)**

- #511 Bettendorf T-Section Truck
- #554 Bettendorf T-Section Truck - Self Centering



#511

Pennsylvania 2D-F8 50-Ton Freight Truck

**Metal Fully Sprung Freight Trucks with 33" ribbed back wheels
(One Pair)**

- #517 Pennsylvania 2D-F8 Truck
- #557 Pennsylvania 2D-F8 Truck - Self Centering

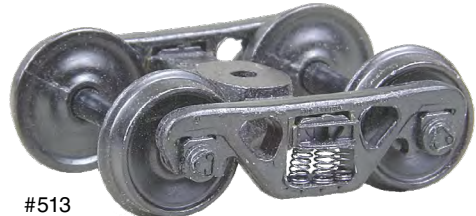


#517

Roller Bearing 100-Ton Freight Truck

**Metal Fully Sprung Freight Trucks with 36" smooth back wheels
(One Pair)**

- #513 Roller Bearing Truck
- #555 Roller Bearing Truck - Self Centering



#513

Vulcan Double Truss 50-Ton Freight Truck

**Metal Fully Sprung Freight Trucks with 33" ribbed back wheels
(One Pair)**

- #515 Vulcan Double Truss Truck
- #556 Vulcan Double Truss Truck - Self Centering



#515

Patent numbers 5,768,999, 5,832,837

Kadee® HO-Scale Freight Trucks with Couplers



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Metal Fully Sprung Freight Trucks with Couplers

Andrews (1898) 50-Ton Freight Truck

**Metal Fully Sprung Freight Trucks with 33" ribbed back wheels
(One Pair)**

#510 Andrews (1898) Truck - with Ready-to-Mount Whisker® Couplers



#510

Arch Bar 50-Ton Freight Truck

**Metal Fully Sprung Freight Trucks with 33" ribbed back wheels
(One Pair)**

#503 Arch Bar Truck - with Ready-to-Mount Whisker® Couplers



#503

Bettendorf 50-Ton Freight Truck

**Metal Fully Sprung Freight Trucks with 33" smooth back wheels
(One Pair)**

#502 Bettendorf Truck - with Ready-to-Mount Whisker® Couplers



#502

Bettendorf T-Section 50-Ton Freight Truck

**Metal Fully Sprung Freight Trucks with 33" ribbed back wheels
(One Pair)**

#512 Bettendorf T-Section Truck - with Ready-to-Mount Whisker® Couplers



#512

Vulcan Double Truss 50-Ton Freight Truck

**Metal Fully Sprung Freight Trucks with 33" ribbed back wheels
(One Pair)**

#516 Vulcan Double Truss Truck - with Ready-to-Mount Whisker® Couplers



#516

Truck Springs

Truck Springs

#637 - Truck Springs - For all except #513, #555 & "HGC" Two Piece Freight Trucks

#638 - Truck Springs - For #513 & #555 Freight Trucks



Brake Pads

Brake Pads

4 Ready to use

#441 For Use On All Kadee® Trucks (Except for #513, #518, #555, #558, #560, #566, #568, #570, #1560, #1566, #1568, #1570).

#442 For Use On #513, #518, #555, #558, #560, #566, #568, #570, #1560, #1566, #1568, #1570 Kadee® Trucks.



Patent numbers 5,662,229

Kadee® HO-Scale “HGC” Freight Trucks



Kadee® Manufactured
& Assembled in the
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Kadee®
MAGNE-MATIC® COUPLERS
World's Best Magnetic Couplers!

“HGC” Two Piece Freight Trucks

Arch Bar 50-Ton Freight Truck

“HGC” Two Piece Self Centering Freight Trucks (One Pair)

- #561 Bettendorf Truck - with 33” ribbed back code 110 wheels
- #1561 Bettendorf Truck - with 33” ribbed back code 88 wheels

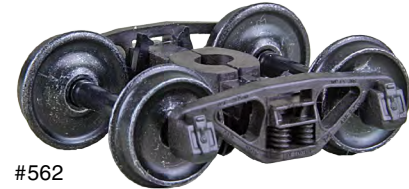


#561

A.S.F® A-3 Ride-Control® 50-Ton Freight Truck

“HGC” Two Piece Self Centering Freight Trucks (One Pair)

- #562 A.S.F® A-3 Ride-Control® Truck - with 33” smooth back code 110 wheels
- #563 A.S.F® A-3 Ride-Control® Truck - with 33” ribbed back code 110 wheels
- #1562 A.S.F® A-3 Ride-Control® Truck - with 33” smooth back code 88 wheels
- #1563 A.S.F® A-3 Ride-Control® Truck - with 33” ribbed back code 88 wheels



#562

Barber® S-2, S-2-B, & S-2 (ACL) 70-Ton Freight Truck

“HGC” Two Piece Self Centering Freight Trucks (One Pair)

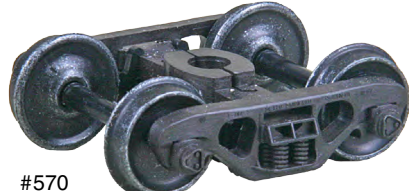
- #560 Barber® S-2 (ACL) Truck - with 33” smooth back code 110 wheels
- #566 Barber® S-2-B Truck - with 33” smooth back code 110 wheels
- #570 Barber® S-2 Truck - with 33” smooth back code 110 wheels
- #1560 Barber® S-2 (ACL) Truck - with 33” smooth back code 88 wheels
- #1566 Barber® S-2-B Truck - with 33” smooth back code 88 wheels
- #1570 Barber® S-2 Truck - with 33” smooth back code 88 wheels



#560



#566



#570

Bettendorf 50-Ton Freight Truck

“HGC” Two Piece Self Centering Freight Trucks (One Pair)

- #564 Bettendorf Truck - with 33” smooth back code 110 wheels
- #565 Bettendorf Truck - with 33” ribbed back code 110 wheels
- #1564 Bettendorf Truck - with 33” smooth back code 88 wheels
- #1565 Bettendorf Truck - with 33” ribbed back code 88 wheels

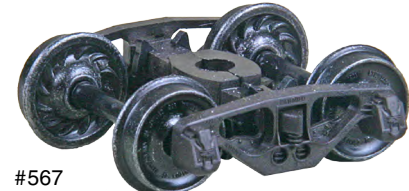


#564

National type B-1 50-Ton Freight Truck

“HGC” Two Piece Self Centering Freight Trucks (One Pair)

- #567 National type B-1 - with 33” ribbed back code 110 wheels
- #568 National type B-1 - with 33” smooth back code 110 wheels
- #1567 National type B-1 - with 33” ribbed back code 88 wheels
- #1568 National type B-1 - with 33” smooth back code 88 wheels

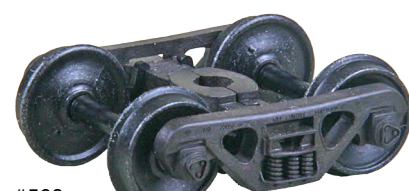


#567

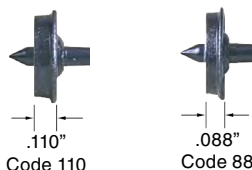
Roller Bearing 100-Ton Freight Truck

“HGC” Two Piece Self Centering Freight Trucks (One Pair)

- #569 Roller Bearing Truck - with 36” smooth back code 110 wheels
- #1569 Roller Bearing Truck - with 36” smooth back code 88 wheels



#569



“HGC” = “High Gravity Compound”

Patent numbers 7,434,518 B1

Kadee® HO-Scale “HGC” Caboose Trucks



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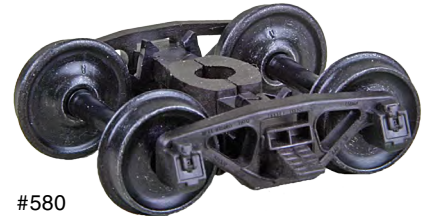


“HGC” Two Piece Caboose Trucks

Bettendorf - AAR

“HGC” Two Piece Self Centering Caboose Trucks (One Pair)

- #580 Bettendorf Truck - with 33” smooth back code 110 wheels
- #1580 Bettendorf Truck - with 33” smooth back code 88 wheels



#580

Bettendorf T-Section

“HGC” Two Piece Self Centering Caboose Trucks (One Pair)

- #581 Bettendorf T-Section Truck - with 33” ribbed back code 110 wheels
- #1581 Bettendorf T-Section Truck - with 33” ribbed back code 88 wheels

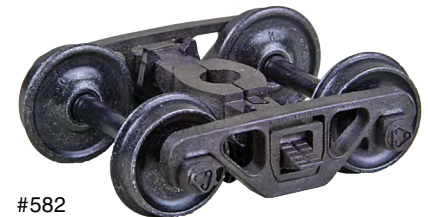


#581

Barber - Bettendorf Roller Bearing

“HGC” Two Piece Self Centering Caboose Trucks (One Pair)

- #582 Barber - Bettendorf Roller Bearing Truck - with 33” smooth back code 110 wheels
- #1582 Barber - Bettendorf Roller Bearing Truck - with 33” smooth back code 88 wheels

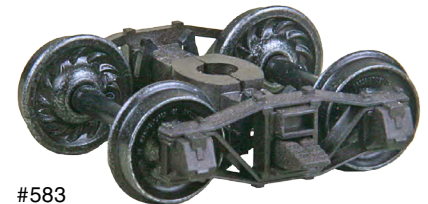


#582

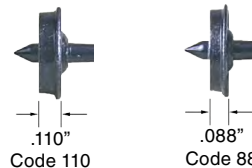
Arch Bar

“HGC” Two Piece Self Centering Caboose Trucks (One Pair)

- #583 Arch Bar Truck - with 33” ribbed back code 110 wheels
- #1583 Arch Bar Truck - with 33” ribbed back code 88 wheels



#583



Detail Parts

Cattle Guards

- #437 Cattle Guards. 3 ea.



Air Hose Angle Cock

- #438 Add that final touch of scale realism to your locomotives and rolling stock. The delicate scale appearance of these air hose assemblies will amaze you. They'll enhance the finest models built. Get a supply and complete the detailing of equipment that requires this appealing feature. *TWENTY PER PACKAGE*



Patent numbers 7,434,518 B1

Kadee® HO-Scale Detail Parts



Kadee® Manufactured
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Detail Parts

Nut-Bolt-Washer

#439 Cast in metal, the nut is slightly less than .030" square, the washer is .053" in diameter. The shank press fits into a 1/32" hole Useful in any scale. *THREE DOZEN*



Apex Running Boards

40 Foot 1 pr
#2000 Red Oxide
#2001 Boxcar Red
#2002 Black
#2003 Galvanized

50 Foot 1 pr
#2010 Red Oxide
#2011 Boxcar Red
#2012 Black
#2013 Galvanized



End & Side Ladders

#2101 Red Oxide 1 set
#2102 Boxcar Red 1 set
#2103 Black 1 set



Grab Irons

Side Grab Irons 16 ea
#2250 Red Oxide
#2251 Boxcar Red

End Grab Irons 4 pr
#2252 Red Oxide
#2253 Boxcar Red
#2254 Black



#2251



#2253

Hopper Coal Loads

#171 Lump/Egg (small) 6 ea
#172 Large Lump (medium) 6 ea
#173 Mine Run (large) 6 ea
#174 Coal Load Weights 3 ea



#171



#172



#173



#174

Kadee® HO-Scale Detail Parts



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Brake Wheels

#440 Metal Die Cast Brake Wheels, 6 Per Package



Plastic Brake Wheels, 8 Per Package

Ajax

#2020 Boxcar Red
#2030 Red Oxide
#2040 Black



Equipco

#2021 Boxcar Red
#2031 Red Oxide
#2041 Black



Miner

#2022 Boxcar Red
#2032 Red Oxide
#2042 Black



Universal

#2023 Boxcar Red
#2033 Red Oxide
#2043 Black



Champion

#2024 Boxcar Red
#2034 Red Oxide
#2044 Black



Modern

#2025 Boxcar Red
#2035 Red Oxide
#2045 Black



Doors

Youngstown Doors 2 Pair

#2200 6' Youngstown, High Tack, Red Oxide
#2201 6' Youngstown, High Tack, Boxcar Red
#2202 6' Youngstown, Low Tack, Red Oxide
#2203 6' Youngstown, Low Tack, Boxcar Red
#2234 7' Youngstown, High Tack, Red Oxide
#2235 7' Youngstown, High Tack, Boxcar Red
#2236 7' Youngstown, Low Tack, Red Oxide
#2237 7' Youngstown, Low Tack, Boxcar Red
#2215 8' Youngstown, High Tack, Red Oxide
#2216 8' Youngstown, High Tack, Boxcar Red
#2220 8' Youngstown, Low Tack, Red Oxide
#2221 8' Youngstown, Low Tack, Boxcar Red



Superior Doors 2 Pair

#2205 6' 5 Panel, High Tack, Red Oxide
#2206 6' 5 Panel, High Tack, Boxcar Red
#2207 6' 5 Panel, Low Tack, Red Oxide
#2208 6' 5 Panel, Low Tack, Boxcar Red
#2210 6' 7 Panel, High Tack, Red Oxide
#2211 6' 7 Panel, High Tack, Boxcar Red
#2238 7' 5 Panel, High Tack, Red Oxide
#2239 7' 5 Panel, High Tack, Boxcar Red
#2240 7' 5 Panel, Low Tack, Red Oxide
#2241 7' 5 Panel, Low Tack, Boxcar Red
#2230 8' 6 Panel, Low Tack, Red Oxide
#2231 8' 6 Panel, Low Tack, Boxcar Red



PS Doors 2 Pair

#2225 8' PS, Low Tack, Red Oxide
#2226 8' PS, Low Tack, Boxcar Red



Kadee® HO-Scale Log Car Kits



Kadee® Manufactured
& Assembled in the
U.S.A.



MAGNE-MATIC® COUPLERS
World's Best Magnetic Couplers!

Kadee® Cars LOGGING



ALL KADEE® LOG CARS ARE STANDARD EQUIPPED WITH:

- Craftsman Quality detailing engineered throughout the plastic & die-cast metal components.
- Kadee® Magne-Matic® Metal Couplers with delayed centering action for accurate, reliable coupling that lasts & lasts.
- Kadee® smooth rolling non magnetic metal RP-25 wheels & fully sprung metal trucks.
- Precision balanced for optimum performance.
- Made in the U.S.A.

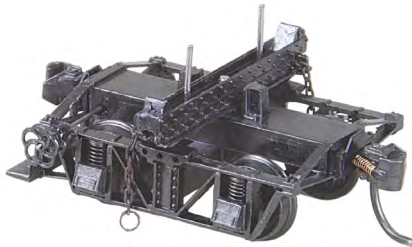
LOG CAR KITS

Disconnect

- #101 - Disconnect Log Car Kit
- #101bab - Disconnect Bunk Only
- #107 - Disconnect Log Car without Logs Kit



#101- Disconnect Log Car



#107- Disconnect Log Car without Logs

Skeleton

- #102 - Skeleton Log Car Kit
- #102bab - Skeleton Bunk Only



#102- Skeleton Log Car

Truss

- #103 - Truss Log Car Kit
- #103ab - Truss Bunk Only



#103- Truss Log Car

Logging Caboose

- #104 - Logging Caboose Kit



#104- Logging Caboose

Log Load

- LL - Unassembled Log Kit - Requires Painting,
4 each



LL- Logs

Kadee® HO-Scale Undecorated & Kit Cars



MAGNE-MATIC® COUPLERS
World's Best Magnetic Couplers!

Kadee® Manufactured
& Assembled in the
U.S.A.



Undecorated Cars & Boxcar Kits

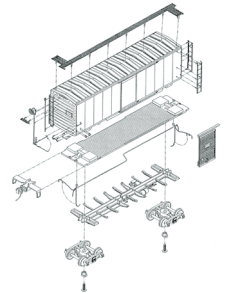
Craftsman Quality detailing engineered throughout the plastic & die-cast metal components, No Glue Required. Equipped with Kadee® Scale Couplers, highly detailed Trucks & RP-25 Wheels, Apex running board, Youngstown doors, highly detailed hand brake, Precision balanced.

Undecorated Cars

Fully Assembled, Painted, Ready to Run.

Boxcar Kits

Require Assembly, Painting & have a partially assembled underframe.



40' PS-1 Boxcars

- #4000 Undecorated 6' Door Boxcar Red
- #4100 6' Door Boxcar Kit
- #5199 Undecorated 8' Door Red Oxide
- #5200 Undecorated 8' Door Boxcar Red



#4000 - 6' Door Boxcar

50' PS-1 Boxcars

- #6000 Undecorated 9' Boxcar Red
- #4105 9' Door Single Door Boxcar Kit
- #4110 15' Door Double Door Boxcar Kit
- #4115 10' Door Hydrocushion Boxcar Kit
- #4120 9' Door Hydrocushion Boxcar Kit



#4115 - 10' Door Hydrocushion Boxcar
Fully Functioning Cushion Underframe

PS-2 Covered Hoppers - 2-Bay

- #8001 Hat Rib - Undecorated Gray
- #8601 Channel Rib - Undecorated Gray



#8001 - PS-2 Covered Hopper

AAR Open Hoppers - 2-Bay

- #7001 Wine Doors - Undecorated Black
- #7002 Wine Doors - Undecorated Boxcar Red
- #7501 Enterprise Doors - Undecorated Black



#7001 - AAR Open Hopper

Patent numbers D 410,709 D 414,533 5,785,192 7,434,518 B1

Kadee® HO-Scale “RTR” Cars



Kadee® Manufactured
& Assembled in the
U.S.A.



MAGNE-MATIC® COUPLERS
World's Best Magnetic Couplers!

Kadee® Cars

Designed, Manufactured & Assembled
entirely in the U.S.A.



40' PS-1 Boxcar



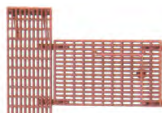
50' PS-1 Boxcar



PS-2 Hopper



End details include scale incredibly detailed hand brake and rigging.



See-through running board and brake step.



Scale rivets, grabs, air lines, chains, & AB valve



Kadee® Functioning Hydrocushion Underframe & Magne-Matic® "Scale" Coupler with patented delayed centering action.



Sharp prototypically accurate legible lettering.



Highly detailed movable doors.



Scale ladders and grab irons.

CNW, DRGW, MKT, MP, SP, SSW, UP, & WP marks are made under trademark license from Union Pacific Railroad Company.

New Roads Released Monthly

Due to Limited Production Runs.

Check the Kadee® Monthly Flyer, Web Site or Call for Current Road Name Availability.

“RTR” Availability Car Styles Include

40' PS-1 Box Cars

6, 7, 8 Foot Doors & Various Side Sills



50' PS-1 Box Cars

9, 10, 15 Foot Doors, Various Side Sills, Stiffeners, & Underframes Including the **Functioning Hydrocushion Underframe**

2-Bay PS-2 Covered Hoppers

Channel & Hat Rib

2-Bay AAR “Standard” Open Hoppers

Wine & Enterprise Doors

CALL OR CHECK WEBSITE FOR AVAILABLE CARS, DUE TO LIMITED PRODUCTION RUNS!

Patent numbers D 410,709 D 414,533 5,785,192 7,434,518 B1

Kadee® HOn3-Scale



MAGNE-MATIC® COUPLERS
World's Best Magnetic Couplers!

Kadee® Manufactured
& Assembled in the
U.S.A.



Couplers & Coupler Accessories

Body Mount Couplers

2 pair Plastic Coupler, with (#636) Coil Centering Spring, & Draft Gear Box. Same as #711 except with shorter length Trip Pin. (The #702 Coupler Assembly Fixture can be used to ease assembly)

- #713 Plastic - (Rust)
- #714 Plastic - (Black)

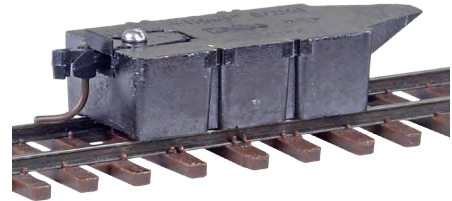


Coupler Height Gauges

Coupler Height Gauge (5 Tools in One)

- 1) Provides instant visual reference of proper coupler height
- 2) Gauges car underbody height from the rail
- 3) Gauges track width
- 4) Gauges wheel width
- 5) Uncoupler gluing jig

#704 HOn3-Scale Coupler Height Gauge



Uncouplers

Delayed Uncouplers (Track Not Included)

#709 "Between-the-Rails" One Pair

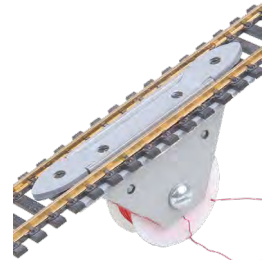


#709 - Between-the-Rails

Electric Delayed Uncoupler (Track Not Included)

#708 "Thru-the-Track" - Fits codes 70, 60, 55 track & other sizes down as small as code 40. Requires: 8-12 Volt DC

Use (normally open) Momentary Switches with Electric Uncouplers.
Like #163 or #165 Momentary Quickie Switches



#708 - Between-the-Rails

Momentary Switches

Quickie Control Panel Switches

Single Pole, Single Throw, push button Control Panel Switches with color-coded caps. AC or DC at 3 amp.
Use for uncouplers, turnout motors, etc.

- #163 Black - (normally closed) & Red - (normally open) - 2 each
- #164 Black - (normally closed) - 4 each
- #165 Red - (normally open) - 4 each



Kadee® HOn3-Scale



Kadee® Manufactured
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Trucks

Arch Bar Freight Truck

Unassembled Metal Freight Truck with 26" Ribbed back wheels
(Use the #715 HOn3 Truck Assembly Fixture to assist assembly)

- #716 Arch Bar Truck - 3'-7" Wheel Centers
- #717 Arch Bar Truck - 4'-6" Wheel Centers



#716 - 3'-7"
Wheel Centers



#717 - 4'-6"
Wheel Centers

Wheelsets

Freight Wheels (Code 110)

Non Magnetic Free Rolling Contoured Axles with RP-25 Contour Wheels.
Eight Sets

- #718 Freight Wheel Set - 26" Ribbed Back



Springs

Coupler Centering Springs

- #636 For #711, #712, #714, & #715 Couplers



Truck Springs

- #624 For #716, & #717 Trucks

Assembly Fixtures

Coupler Assembly Fixture

Assembly fixtures are innovative tools that will assist you
in assembling the Kadee® Magne-Matic® Couplers.

- #702 For #711, #712, #714, & #715 Couplers

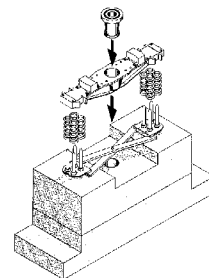
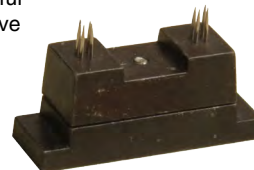


#702 - Coupler
Assembly Fixture

Truck Assembly Fixture

When you buy Kadee® HOn3 Trucks be sure to get this wonderful
"HELPFUL HAND" The Kadee® Truck Assembly Fixture will save
you frustration, lost springs and time.

- #715 - Truck Assembly Fixture



#715 - Truck
Assembly Fixture

Track Gauge

Track Gauge

- #342 For Code 83 & Code 100 Track



Kadee® S-Scale, On3-Scale, On30-Scale & O-Scale

Kadee®
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 U.S.A.



Through



Couplers

S-Scale Couplers

2 pair Plastic Couplers, with (#847) Coil Knuckle Spring, (#846) Coil Centering Spring, & Plastic Draft Gear Boxes.

- #802 Plastic Couplers & Gear Box (Black)
- #808 Plastic Couplers & Gear Box (Brown)



#808



#802

On3-Scale Couplers

2 pair Plastic Couplers, with (#847) Coil Knuckle Spring, (#846) Coil Centering Spring, & Plastic Draft Gear Boxes.

- #803 Plastic Couplers & Gear Box (Black)
- #807 Plastic Couplers & Gear Box (Brown)



#807



#803

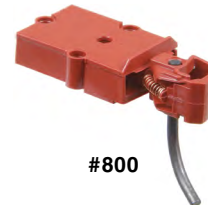
O-Scale Couplers

1 pair Couplers, with (#845) Coil Knuckle Spring, (#850) Coil Centering Spring, & Draft Gear Boxes. Coupler & Draft Gear Box Black unless noted.

- with Metal (#817 type) Draft Gear Box** (same color as coupler)
- #805 Medium Centerset Shank Metal Coupler

- with Plastic #817 Draft Gear Box** (same color as coupler)
- #800 Medium Centerset Shank Plastic Coupler (Rust)
- #801 Medium Centerset Shank Plastic Coupler (Brown)
- #804 Medium Centerset Shank Plastic Coupler
- #816 Medium Centerset Shank Metal Coupler

- with Plastic Short Draft Gear Box** (same color as coupler)
- #806 Short Centerset Shank Plastic Coupler



#800



#801



#804
 #805
 #816



#806

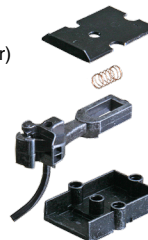
O-Scale Couplers "New Generation"

2 pair Metal Couplers, with hidden Knuckle Spring, (#850) Coil Centering Spring, & Draft Gear Boxes. Coupler & Draft Gear Box Black unless noted.

- with Metal (#817 type) Draft Gear Box** (same color as coupler)
- #740 Medium Centerset Shank Metal Coupler

- with Plastic #817 Draft Gear Box** (same color as coupler)
- #742 Medium Overset Shank Metal Coupler
- #745 Medium Centerset Shank Metal Coupler
- #746 Long Centerset Shank Metal Coupler
- #747 Medium Underset Shank Metal Coupler

- with Plastic Short Draft Gear Box** (same color as coupler)
- #743 Short Centerset Shank Metal Coupler



#740
 #745



#746



#743



#747



#742

NEW

Patent number 7,810,660 B1

Kadee® S-Scale, On3-Scale, On30-Scale, & O-Scale



Through



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MAGNE-MATIC® COUPLERS
World's Best Magnetic Couplers!

Accessories

Centering Springs

1 Dozen

- #846 For #802, #803, #807 & #808 Couplers.
- #850 For All O-Scale Couplers.



Knuckle Springs

1 Dozen

- #845 For #800, #801, #804, #805 & #816 O-Scale Couplers.
- #847 For #802, #803, #807 & #808 Couplers.



Gear Boxes with Lids

Insulated Plastic - 5 Pair

- #817 For #742, #745, #746, #747, #804 & #816 O-Scale Couplers.



#817

Uncouplers

Delayed Uncouplers (Track Not Included)

- #308 HO thru O-Scale - "Under-the-Track"
Note: O-Scale will require 2-3 magnets stacked together.
- #809 O-Scale 3 Rail - "Between-the-Rails"
- #811 O-Scale - "Between-the-Rails"



#308



#809



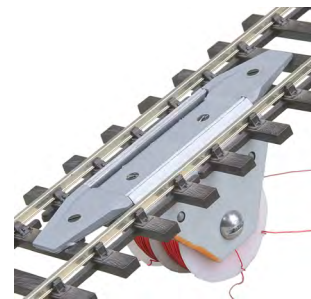
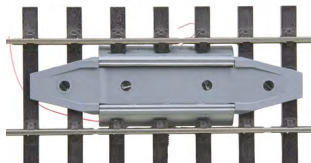
#811

Electric Delayed Uncoupler (Track Not Included)

- #810 O-Scale - "Thru-the-Track" - Fits codes 100, 125, 156, 172 track
Operates: 16 volt DC
We recommend a 16 volt DC power source (at least 2 Amps) or
12-20 volt AC power source (at least 2 Amps) converted to DC with bridge rectifier.

#166 Transformer meets AC power conversion requirements*.
*Additional components required for AC to DC Conversion.
Only use (normally open) Momentary Switches with Electric Uncouplers.
Like #165 Momentary Quickie Switches.

WARNING: Do not use the uncoupler continually. **DO NOT activate the uncoupler for longer than 3 MINUTES at one time.** This will avoid possible overheating which will damage the uncoupler.



#810

Kadee® S-Scale, On3-Scale, On30-Scale, & O-Scale



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U.S.A.



Through



Momentary Switches

Quickie Control Panel Switches

Single Pole, Single Throw, push button Control Panel Switches with color-coded caps. AC or DC at 3 amp.
Use for uncouplers, turnout motors, etc.

- #163 Black - (normally closed) & Red - (normally open) - 2 each
- #164 Black - (normally closed) - 4 each
- #165 Red - (normally open) - 4 each



Transformer

Plug-in Transformer

For use with Kadee® #309 & #810 Electric Uncouplers, Lighting, Motors, Switches, Accessories, Etc.

#166 INPUT: 120VAC 60Hz 0.50A OUTPUT: 16.5VAC 50VA

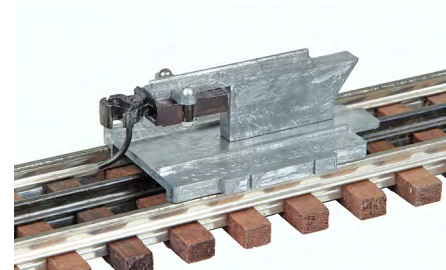


Coupler Height Gauges

5 to 6 Tools in One

- 1) Provides instant visual reference of proper coupler height
- 2) Gauges car underbody height from the rail
- 3) Gauges track width (N.M.R.A. Standard)
- 4) Gauges wheel width (N.M.R.A. Standard)
- 5) Gauges proper height of trip pin
- 6) #811 Uncoupler Mounting Jig (#812 Only)

- #812 O-Scale Coupler Height Gauge
- #813 On3-Scale Coupler Height Gauge
- #814 S-Scale Coupler Height Gauge



#812

4 Tools in One

- 1) Provides instant visual reference of proper coupler height, standard and "scale" size couplers included
- 2) Accurately measures proper trip pin height above the rail
- 3) Built-in track gauge (N.M.R.A. Standard)
- 4) Moveable dowel tests Kadee® Magne-Matic® Uncoupler height and registers the needed adjustments

- #815 On30-Scale Coupler Height Gauge with On3 Coupler



#815

Wheelsets

On30 Freight Wheels

Eight Sets, Non Magnetic Free Rolling Contoured Axles with RP-25 Contour Wheels.

- #300 24" Griffin Ribbed Back



#300

Kadee® S-Scale, On3-Scale, On30-Scale, & O-Scale



Through



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#740 Coupler

Patent number 7,810,660 B1



#805 Coupler

Kadee® #1-Scale (1:32) & G-Scale (1:22.5)



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Couplers Only

#1-SCALE (1:32)

G-SCALE (1:22.5)

Straight Centerset Couplers

- #1900 #1-Scale (AAR Type "E" Coupler)
#900 G-Scale (AAR Type "E" Coupler)

ORIGINAL
STYLE

AAR
TYPE "E"

ORIGINAL
STYLE

AAR
TYPE "E"



*

In #820 / #920 Kits Only



#1900



*

In #830 / #930 Kits Only



#900

Centerset Couplers

- #1840 #1-Scale (Original Style)
#1901 #1-Scale (AAR Type "E" Coupler)
#1850 G-Scale (Original Style)
#901 G-Scale (AAR Type "E" Coupler)



#1840



#1901



#1850



#901

Medium Offset Couplers

- #1838 #1-Scale (Original Style)
#1902 #1-Scale (AAR Type "E" Coupler)
#902 G-Scale (AAR Type "E" Couplers)



#1838



#1902



*

In Kits Only



#902

Large Offset Couplers

- #1839 #1-Scale (Original Style)
#1903 #1-Scale (AAR Type "E" Coupler)
#903 G-Scale (AAR Type "E" Couplers)



#1839



#1903



*

In Kits Only



#903

Bachmann® Shank Couplers

- #1916 #1-Scale (AAR Type "E" Coupler)
#916 G-Scale (AAR Type "E" Couplers)



#1916



#916

Straight Shank Couplers

Stationary Mounting

- #822 #1-Scale (Original Style)
#1904 #1-Scale (AAR Type "E" Coupler)
#904 G-Scale (AAR Type "E" Couplers)



#822



#1904



#904

Straight Thick Shank Couplers

Stationary Mounting

- #823 #1-Scale (Original Style)



#823



*

In #821 / #921 Kits Only



*

In #1917 Kits Only

Centerset Short Couplers

Not Sold Separately

* Not Sold Separately

Patent number 7,810,660 B1

Kadee® #1-Scale (1:32) & G-Scale (1:22.5)



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MAGNE-MATIC® COUPLERS
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Gear Boxes Only

Standard Body Mount Gear Boxes

- #1920 #1-Scale (#820 type) Body Mount Gear Box
#910 G-Scale (#830 type) Body Mount Gear Box



#1920
Standard Body
Mount Gear Box



#910
Standard Body
Mount Gear Box

Truck Mount Gear Boxes

for #1 & G-Scale Centerset, Medium Offset, Large Offset Couplers.

- #911 #1 & G-Scale (#831 type) Truck Mount Gear Box



#911
Truck Mount
Gear Box

Short Body Mount Gear Boxes

for #1 & G-Scale Centerset, Medium Offset, Large Offset Couplers.

- #912 #1 & G-Scale (#835 type) Short Body Mount Gear Box



#912
Short Body Mount
Gear Box

Swinging Gear Boxes

for #1 & G-Scale Centerset, Medium Offset, Large Offset Couplers.

- #913 #1 & G-Scale (#832 type) Swinging Gear Box



#913
Swinging Gear
Box

#791 & #911 Gear Boxes

#1 & G Scale #791 Gear Box for Centerset, Couplers. #911 Gear Box for Centerset, Medium Offset, Large Offset Couplers.

- #915 #1 & G-Scale Mixed Style Gear Box



#791 Pilot Pocket



#911
Truck Mount Gear Box

Gear Boxes Not Sold Separately



#779
Coupler
Sill Mount Pocket
**Not Sold as
Gear Box Only**



#821 or #921
Coupler
Extra Short Body Mount
Gear Box
**Not Sold as
Gear Box Only**

Springs

Centering Springs 1 doz unless noted

- #861 for all #1 & G-Scale Couplers, except #820, 821, 830, 900, 906, 920, 921, 930, 1900, 1906, 1917 & 11115
#876 for #820 or 920 #1-Scale Couplers
#877 for #821, 921, 1917 #1-Scale Couplers
#878 for #830, 930, 900, 906, 11115 G-Scale Couplers
#879 for #820, 920, 1900, 1906 #1-Scale Couplers

Knuckle Springs 1 doz unless noted

Note: All Type "E" Couplers don't have replaceable Knuckle Springs.

- #860 for all G-Scale Couplers. Except Type "E" Couplers
#875 for #1-Scale Couplers #819 through 828, 920 & 921
#187 for #1-Scale Couplers 1700 & 1800 Series



Truck Springs 1 doz unless noted

- #839 Truck Centering Springs & Retainers, for LGB 2-axle cars - 2pr.
#864 Truck Centering Springs, for LGB 2-axle cars

Kadee® #1-Scale (1:32) & G-Scale (1:22.5)

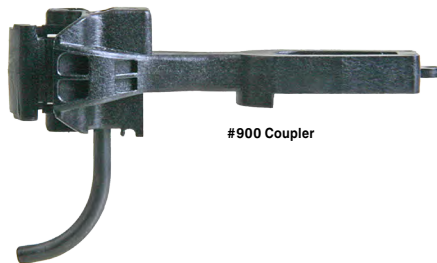


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**AAR
TYPE "E"
G-SCALE
COUPLERS**

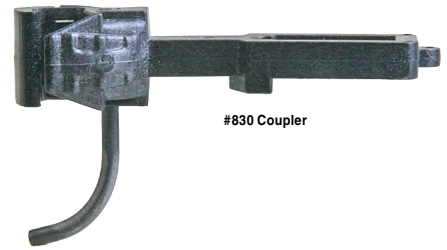


#900 Coupler

Patent number 7,810,660 B1



**ORIGINAL
STYLE
G-SCALE
COUPLERS**



#830 Coupler

Older Style Couplers: (on this page)

1 pair Couplers, with (#1875 #1-Scale, #860 G-Scale) Coil Knuckle Spring, (#861) Coil Centering Spring, & Draft Gear Boxes.

AAR Type "E" Couplers: (on this page)

1 pair Couplers, with Coil Knuckle Spring, (#861) Coil Centering Spring, & Draft Gear Boxes.

Couplers & #911 Gear Boxes (Truck Mount)

#911 Gear Box:

Truck Mount Gear Box

(1 7/32" long x 25/32" wide x 3/8" high)

Centerset Couplers

- | | |
|-------|---------------------------------|
| #1789 | #1-Scale (Original Style) |
| #1907 | #1-Scale (AAR Type "E" Coupler) |
| #789 | G-Scale (Original Style) |
| #907 | G-Scale (AAR Type "E" Coupler) |

Medium Offset Couplers

- | | |
|-------|---------------------------------|
| #1787 | #1-Scale (Original Style) |
| #1908 | #1-Scale (AAR Type "E" Coupler) |
| #787 | G-Scale (Original Style) |
| #908 | G-Scale (AAR Type "E" Couplers) |

Large Offset Couplers

- | | |
|-------|---------------------------------|
| #1831 | #1-Scale (Original Style) |
| #1909 | #1-Scale (AAR Type "E" Coupler) |
| #831 | G-Scale (Original Style) |
| #909 | G-Scale (AAR Type "E" Couplers) |

#1-Scale



Centerset



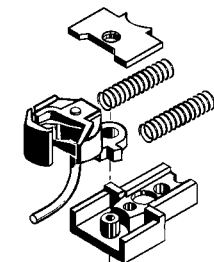
Medium Offset



Large Offset



#911
Truck Mount
Gear Box



Exploded View

G-Scale



Centerset



Medium Offset



Large Offset

Patent number 7,810,660 B1

Kadee® #1-Scale (1:32) & G-Scale (1:22.5)



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& Assembled in the
U.S.A.



MAGNE-MATIC® COUPLERS
World's Best Magnetic Couplers!

Older Style Couplers: (on this page)

1 pair Couplers, with (#1875 #1-Scale, #860 G-Scale) Coil Knuckle Spring, (#861) Coil Centering Spring, & Draft Gear Boxes.

AAR Type "E" Couplers: (on this page)

1 pair Couplers, with Coil Knuckle Spring, (#861) Coil Centering Spring, & Draft Gear Boxes.

Couplers & #912 Gear Boxes (Body Mount)

#912 Gear Box:

Short Gear Box

(9/16" long x 13/16" wide x 3/8" high)

Centerset Couplers

#1835 #1-Scale (Original Style)

#835 G-Scale (Original Style)

Medium Offset Couplers

#1836 #1-Scale (Original Style)

#836 G-Scale (Original Style)

Large Offset Couplers

#1837 #1-Scale (Original Style)

#837 G-Scale (Original Style)

#1-Scale



Centerset



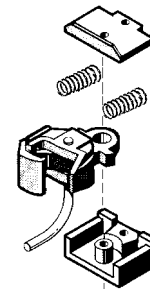
Medium Offset



Large Offset



#912
Short Gear Box



Exploded View

G-Scale



Centerset



Medium Offset



Large Offset

Couplers & #913 Gear Boxes (Body Mount)

Older Style Couplers:

1 pair Couplers, with (#1875 #1-Scale, #860 G-Scale) Coil Knuckle Spring, (#861) Coil Centering Spring, & (#913) Draft Gear Boxes.

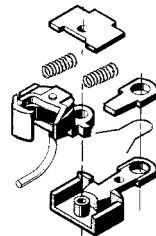
#913 Gear Box:

Swinging Gear Box

Large Offset Couplers

#1832 #1-Scale (Original Style)

#832 G-Scale (Original Style)



Exploded View

#1-Scale



Large Offset



#913
Swinging
Gear Box

G-Scale



Large Offset

Couplers & Extra Short Gear Boxes

Extra Short Gear Box:

(1 7/32" long x 25/32" wide x 3/8" high)

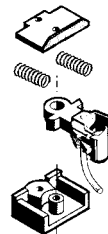
Centerset Couplers

Centerset Short Shank Couplers with Extra Short Gear Boxes.

#821 #1-Scale (Original Style)

#921 #1-Scale (Original Style) (Rust)

#1917 #1-Scale (AAR Type "E" Coupler)



Exploded View



Short Shank



Extra Short
Gear Box

Patent number 7,810,660 B1

Kadee® #1-Scale (1:32) & G-Scale (1:22.5)



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U.S.A.



Couplers & Standard #910 or #1920 Gear Boxes (Body Mount)

Older Style Couplers:

1 pair Couplers, with (#875 #1-Scale, #860 G-Scale) Coil Knuckle Spring, (#879 #1-Scale, #878 G-Scale) Coil Centering Spring, & (#1920 #1-Scale, #910 G-Scale) Draft Gear Boxes.

AAR Type "E" Couplers:

1 pair Couplers, with Coil Knuckle Spring, (#879 #1-Scale, #878 G-Scale) Coil Centering Spring, & (#1920 #1-Scale, #910 G-Scale) Draft Gear Boxes.

#1920 #1-Scale Gear Box:

Standard Gear Box (1 1/4" long x 7/8" wide x 5/16" high)

#910 G-Scale Gear Box:

Standard Gear Box (1 21/32" long x 1 5/32" wide x 13/32" high)

Centerset Couplers

Coupler & Draft Gear Box Black unless noted.

with #1920 Draft Gear Box (same color as coupler)

#820 #1-Scale (Original Style)

#920 #1-Scale (Original Style) (Rust)

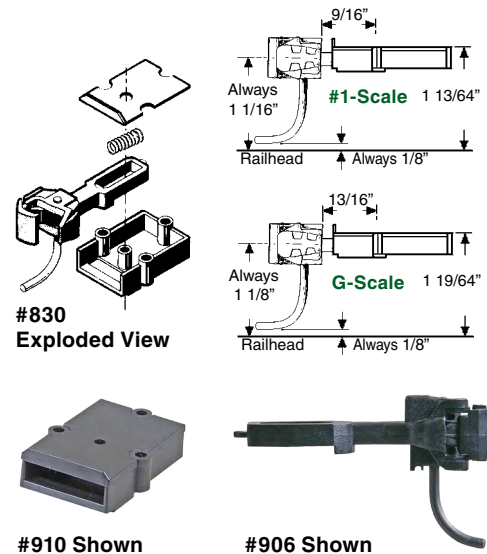
#1906 #1-Scale (AAR Type "E" Couplers)

with #910 Draft Gear Box (same color as coupler)

#830 G-Scale (Original Style)

#930 G-Scale (Original Style) (Rust)

#906 G-Scale (AAR Type "E" Couplers)



Coupler Conversion Kits

Coupler Conversion Kits

1 pair Original Style Couplers & Draft Gear Boxes. NOTE: Packaging descriptions below do not include miscellaneous shims, brackets, screws, etc. that may be included in packages. Couplers & or Draft Gear Boxes may have to be modified from the original state for the conversions.

Use the #1 & G-Scale Coupler Conversion List to choose appropriate coupler for Locomotive or Rolling Stock.

(Original Style Couplers)

#1-Scale	G-Scale	
#1781	#781	Centerset Coupler & Medium Offset Coupler with Pilot Pocket Gear Box & Truck Mount Type Gear box.
#1782	#783	Cut Couplers with Mounting Brackets.
#1783	#783	Cut Coupler with Mounting Bracket & Large Offset Coupler with Truck Mount Type Gear box.
#1784	#784	Large Offset Couplers with Truck Mount Type Gear boxes.
#1785	#785	Large Offset Couplers with Truck Mount Type Gear boxes.
#1786	#786	Medium Offset Couplers with Swinging Type Gear boxes.
#1788	#788	Medium Offset Couplers with Truck Mount Type Gear boxes.
#1790	#790	Large Offset Coupler & Modified Medium Offset Coupler with Truck Mount Type Gear boxes.
#1792	#792	Large Offset Couplers with Truck Mount Type Gear boxes.
#1793	#793	Large Offset Coupler & Medium Offset Coupler with Truck Mount Type Gear boxes.
#1795	#795	Large Offset Couplers with Swinging Type Gear boxes.
#1798	#798	Large Offset Couplers with Truck Mount Type Gear boxes.
#1799	#799	Large Offset Couplers with Truck Mount Type Gear boxes.
#824	-----	Straight Centerset Shank Couplers with Standard Gear boxes.
#827	-----	Straight Thick Shank Type Coupler & Centerset Short Shank Coupler with Extra Short Gear box.
#1833	#833	Large Offset Couplers with Truck Mount Type Gear boxes.
#1834	#834	Large Offset Couplers with Truck Mount Type Gear boxes.

Kadee® #1-Scale (1:32) & G-Scale (1:22.5)



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Flex-brackets

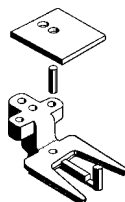
Flex-brackets only

#1-Scale (1 Pair)

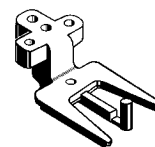
#882 for #1 Scale #820, #920 or #1906 Couplers

G-Scale (1 Pair)

#883 for #1 Scale #830, #930 or #906 Couplers



#882



#883

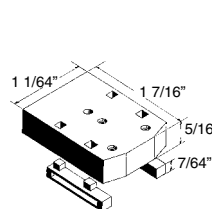
Conversion Platforms

Conversion Platforms only

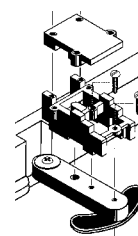
#1-Scale & G-Scale (1 Pair)

#881 for mounting #882 & #883 Flex-brackets on Aristo-Craft™ Heavyweight Passenger Car

#884 for mounting #820, #830, #920, #930, #906 or #1906 Couplers on Aristo-Craft™ GE U-25B



#881



#884

Body Mount Shims

G-Scale Body Mount Shims

G-Scale (8 Each)

Shims 1/16" & 1/32" thick.

For the #910 gear box used on the #830, #930 & 906 Couplers.

#841 Black
#941 Boxcar Red

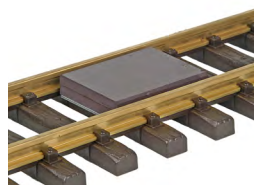


Uncouplers

Delayed Uncouplers (Track Not Included)

1 per package

#842 Unmounted
#844 Portable



#842



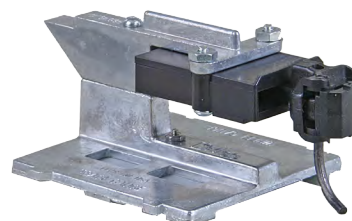
#844

Coupler Height Gauges

5 Tools in One

- 1) Provides instant visual reference of proper coupler height
- 2) Gauges car underbody height from the rail
- 3) Gauges track width (N.M.R.A. Standard)
- 4) Gauges wheel width (N.M.R.A. Standard)
- 5) Gauges proper height of trip pin

#829 #1-Scale (Original Style) Coupler Height Gauge
#1929 #1-Scale (AAR Type "E") Coupler Height Gauge
#880 G-Scale (Original Style) Coupler Height Gauge
#980 G-Scale (AAR Type "E") Coupler Height Gauge



#980 Shown



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Wheelsets

The terms "Large Scale" refers to #1 (1:32 ratio) up to Fn3 (1:20.3 ratio). All of these and the in between scales run on the common 45 mm gauge track, which is actually #1 scale standard gauge track and in actuality is narrow gauge track for the other large scales. Now, unfortunately, all of these Large Scales are generally referred to as "G" gauge or "G" Scale modeling. G-Scale actually is 1:24 (1/2") and 1:22.5.

Kadee® New "Large Scale" Freight or Passenger Wheels come in a 33" (1:29) wheel that happens to be the same as 36" (1:32) wheel. The Kadee® wheels sets will work in most manufactures truck journals. Because of the different actual scale ratios that Large Scale manufactures use, changing wheels may alter coupler heights. So when you change wheels or trucks always re-check the coupler heights. When using Kadee® couplers it's important to make sure all your couplers are at the correct coupler height.

Uncolored Large Scale Wheelsets

**Uncolored Metal Wheels- Freight or Passenger
1:29 Scale 33" Wheels / 1:32 Scale 36" Wheels**

- #950 Uncolored Metal Wheels (Smooth)
- #951 Uncolored Metal Wheels (Ribbed)



Black Large Scale Wheelsets

**Black Metal Wheels- Freight or Passenger
1:29 Scale 33" Wheels / 1:32 Scale 36" Wheels**

- #960 Black Metal Wheels (Smooth)
- #961 Black Metal Wheels (Ribbed)



Smooth Back



Ribbed Back



Notes:

USE THE CHART BELOW TO HELP IDENTIFY THE CONTENT OF EACH #1 & G-SCALE COUPLER PACKAGE OR CONVERSION KIT.

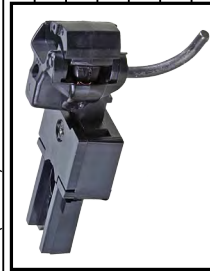


MAGNE-MATIC® Cross Reference Chart

Coupler Conversions with Gearboxes

NOTE: Packaging Descriptions below do not include miscellaneous shims, brackets, screws, etc. that may be included in each package.
Centerset Couplers with Sill Mount Pockets. (1 Pair) Note: AAR Type "E" couplers are modified for sill mount pocket clearance.

AAR Type "E" G	Original Style G	AAR Type "E" #1	Original Style #1	
905	779	1905	1779	Coupler Conversion - Centerset Coupler & Medium Offset Coupler with Pilot Pocket Gear Box & Truck Mount Type Gear box. (1 Pair)
	781		1781	Coupler Conversion - Modified Couplers with Mounting Brackets (1 Pair)
	782		1782	Coupler Conversion - Modified Coupler with Mounting Bracket & Large Offset Coupler with Truck Mount Type Gear box. (1 Pair)
	783		1783	Coupler Conversion - Large Offset Couplers with Truck Mount Type Gear boxes. (1 Pair)
	784		1784	Coupler Conversion - Large Offset Couplers with Truck Mount Type Gear boxes. (1 Pair)
	785		1785	Coupler Conversion - Large Offset Couplers with Swinging Type Gear boxes. (1 Pair)
	786		1786	Coupler Conversion - Medium Offset Couplers with Swinging Type Gear boxes. (1 Pair)
908	787	1908	1787	Medium Offset Couplers with Truck Mount Type Gear boxes. (1 Pair)
	788		1788	Coupler Conversion - Medium Offset Couplers with Truck Mount Type Gear boxes. (1 Pair)
907	789	1907	1789	Centerset Couplers with Truck Mount Type Gear boxes. (1 Pair)
	790		1790	Coupler Conversion - Large Offset Coupler & Modified Medium Offset Coupler with Truck Mount Type Gear boxes. (1 Pair)
	791		1791	Large Offset Coupler & Centerset Coupler with Pilot Pocket Gear Box & Truck Mount Type Gear box. (1 Pair)
	792		1792	Coupler Conversion - Large Offset Couplers with Truck Mount Type Gear boxes. (1 Pair)
	793		1793	Coupler Conversion - Large Offset Coupler & Medium Offset Coupler with Truck Mount Type Gear boxes. (1 Pair)
	794		1794	Large Offset Coupler & Medium Offset Coupler with Truck Mount Type Gear box & Swinging Type Gear box. (1 Pair)
	795		1795	Coupler Conversion - Large Offset Couplers with Swinging Type Gear boxes. (1 Pair)
	796		1796	Large Offset Couplers with Truck Mount Type Gear box & Swinging Type Gear box. (1 Pair)
	797		1797	Large Offset Couplers with Swinging Type Gear boxes. (1 Pair)
	798		1798	Coupler Conversion - Large Offset Couplers with Truck Mount Type Gear boxes. (1 Pair)
	799		1799	Coupler Conversion - Large Offset Couplers with Truck Mount Type Gear boxes. (1 Pair)
906	830/930	1906	820/920	Straight Centerset Shank Couplers with Standard Body Mount Gear boxes (820-Black) (920-Rust) (830-Black) (930-Rust) (1 Pair)
		1917	821/921	Centerset Short Shank Couplers with Extra Short Gear boxes (821-Black) (921-Rust) (1 Pair)
			824	Coupler Conversion - Straight Centerset Shank Couplers with Standard Gear boxes (1 Pair)
			827	Coupler Conversion - Straight Thick Shank Type Coupler & Centerset Short Shank Coupler with Extra Short Gear box (1 Pair)
909	831	1909	1831	Large Offset Couplers with Truck Mount Type Gear boxes (1 Pair)
	832		1832	Large Offset Couplers with Swinging Type Gear boxes (1 Pair)
	833		1833	Coupler Conversion - Large Offset Couplers with Truck Mount Type Gear boxes. (1 Pair)
	834		1834	Coupler Conversion - Large Offset Couplers with Truck Mount Type Gear boxes. (1 Pair)
	835		1835	Centerset Couplers with Short Gear boxes. (1 Pair)
	836		1836	Medium Offset Couplers with Short Gear boxes. (1 Pair)
	837		1837	Large Offset Couplers with Short Gear boxes. (1 Pair)



Kadee® RC Remote Couplers

We recommend operating Kadee® RC Remote Couplers using the Kadee® RC Remote System, other means of operating & controlling the standard hobby servos can be used with Kadee® RC Remote Couplers, as long as the degree of servo rotation is adjustable. The Kadee® RC Remote Couplers are designed to operate with 90 degree servo rotation only.

11115				Body Mount Coupler Kit (1 Kit)
				Includes: 2 - #906 Individual Couplers & Body Mount Gearboxes, 2 - Trip Pin Linkage Collars, 2 - Short Linkage Rods, 1 - Long Linkage Rod, 2 - #841 Shims, 1 - Mounting Screws & Hardware, 1 - Standard Servo Kit #11120
11220			11221	Actuated Body Mount Coupler with Gearbox (1 Kit)
				Includes: 1 - Actuated Body Mount Coupler with Gearbox - Assembled

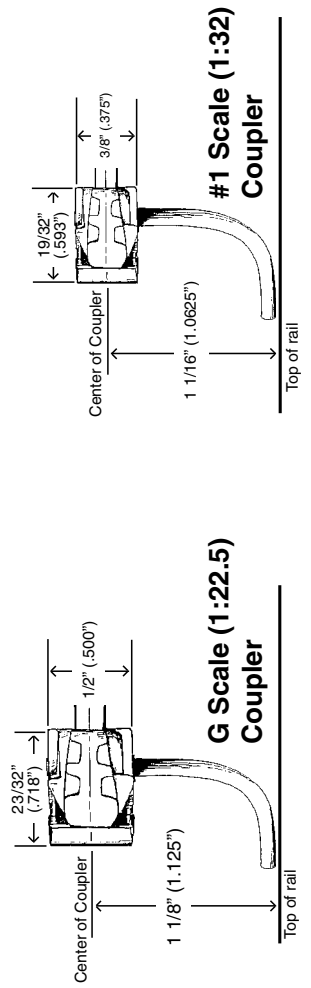
Couplers Only

904		1904	822	Straight Shank Couplers Stationary Mounting (1 Pair)
			823	Straight Thick Shank Couplers Stationary Mounting (1 Pair)
900		1900		Straight Centerset Shank AAR Type "E" Couplers (1 Pair)
901	1850	1901	1840	Centerset Couplers (AAR Type "E" Couplers (1 Pair)) ("Older Style" Couplers (2 Pair))
902		1902	1838	Medium Offset Couplers (AAR Type "E" Couplers (1 Pair)) ("Older Style" Couplers (2 Pair))
903		1903	1839	Large Offset Couplers (AAR Type "E" Couplers (1 Pair)) ("Older Style" Couplers (2 Pair))
916		1916		Bachmann® Shank AAR Type "E" Couplers (1 Pair)



Gearboxes, Flex-brackets & Conversion Platforms

			819	#882 Flex-brackets & #820 Couplers (1 Pair)
			828	Long Flex-brackets & #820 Couplers (1 Pair)
		882		Flex-brackets for #1 Scale #820, #920 or #1906 Couplers (1 Pair)
	838			#883 Flex-brackets & #830 Couplers (1 Pair)
883				Flex-brackets for G Scale #830, #930 or #906 Couplers (1 Pair)
	881			Conversion Platforms for #1 & G Scale mounting #819, #838, #882 or #883 Flex-brackets & Couplers on Aristo-Craft™ Heavyweight Passenger Car (1 Pair)
	884			Conversion Platforms for #1 & G Scale mounting #820, #830, #930, #906 or #1906 Couplers on Aristo-Craft™ GE U-25B (1 Pair)
910				#830 (type) Body Mount Gear Boxes for G-Scale Straight Centerset Shank Couplers. #900 AAR Type "E" Couplers (1 Pair)
	911			#831 (type) Truck Mount Gear Boxes for #1 & G Scale Centerset, Medium Offset, Large Offset Couplers. (1 Pair)
	912			#835 (type) Short Body Mount Gear Boxes for #1 & G Scale Centerset, Medium Offset, Large Offset Couplers. (1 Pair)
	913			#832 (type) Swinging Gear Boxes for #1 & G Scale Centerset, Medium Offset, Large Offset Couplers. (1 Pair)
	915			#791 Pilot Pocket & #911 #831 (type) Truck Mount Gear Boxes #1 & G Scale #791 for Centerset, Couplers. #831 for Centerset, Medium Offset, Large Offset Couplers. (1 Each)
		1920		#820 (type) Body Mount Gear Boxes for #1-Scale Straight Centerset Shank Couplers. #1900 AAR Type "E" Couplers (1 Pair)





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Notes:

Tools

Adaptor Insertion Pic

#230 For 20-Series #212 Talgo-Truck Adaptors



“Greas-em” Dry Graphite Lubricant

#231 This fine, dry graphite lubricant is specially selected for use with Kadee® Couplers. Add a puff inside your couplers, move them back-and-forth a few times to burnish the insides, and enjoy smooth action of your couplers. Also an excellent general purpose lubricant for use all around the layout to reduce friction in moving parts & bearing surfaces.



5.5 grams

“Speedi” Driver Cleaner

“Speedi” Driver Cleaners are easy to use and efficient. Just hook the power leads to a 12 volt DC source and touch the brushes against the driving wheels of your locomotive.

#236 HOn3 to O-Scale
#843 O to G-Scale



*236 Shown

Coupler Trip Pin Pliers

#237 For HO, HOn3, S, On3 & O Scale Couplers. Adjust trip pin to the correct height by gently squeezing with these specially designed pliers. The pliers have jaw surfaces that are curved and smooth. Adjusting the height of your Coupler Trip Pins is easier because the pliers surfaces conform to the bend of the trip pins and prevent them from kinking when bending or straightening.



TO BEND DOWN



TO BEND UP

5 Prong “Gripper”

#239 For handling small parts. This tool can help with difficult modeling chores. 5-prongs for grabbing, picking, pulling, lifting, and placing those small, difficult-to-grasp items.



Pin Vise

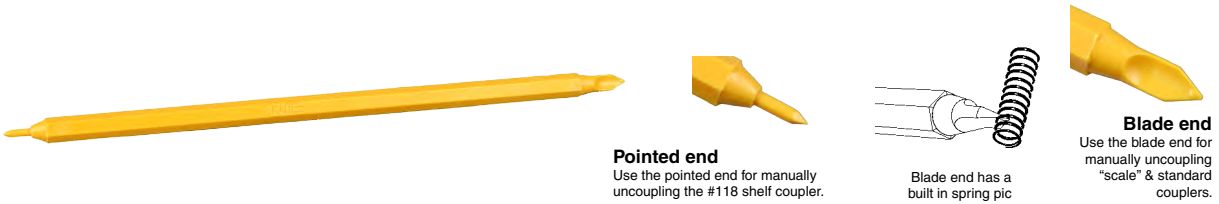
#240 Double headed Pin Vise with two reversible collets. Used for tapping and drilling.



Tools

"Dual Tool"

#241 Manual uncoupling tool & Spring Pic "Dual TOOL"



Tap & Drill Sets

WARNING: Cutting tools may shatter when broken. An approved form of eye protection is strongly recommended.
Each set includes - Tap, Tap Drill and Clearance Drill

- #246 2-56 Tap + #50 & #43 Drills
- #247 1-72 Tap + #53 & #48 Drills
- #780 0-80 Tap + #55 & #52 Drills
- #1059 00-90 Tap + #62 & #56 Drills



Track Gauges

- #341 For Code 70 & Code 100 Track (HO)
- #342 For Code 55 66 and 70 (HO_{N3})
- #343 For Code 83 & Code 100 Track (HO)



Coupler Assembly Fixture

Assembly fixtures are innovative tools that will assist you in assembling the Kadee® Magne-Matic® Couplers.

- #701 For #4, ^{no}5°, #9, #43, #46 & #58 Couplers
- #702 For #711, #712, #713 & #714 Couplers
- #703 For #6, #7 & #8 Couplers



Coupler and Special Purpose Tweezers

#1020 - These tweezers are specially designed to hold Kadee® coupler shanks for easy installation of couplers and springs into draft gear boxes. Also great for many other uses around the layout.



Decal Paper, Momentary Switches, Transformer

Decal Paper

Store decals & decal paper flat in a cool dry place. Avoid exposure to heat, sun light, & moisture.

Application Instructions:

Don't leave in dish of water for more than 1 min. to avoid decal separating from backing in dish.

Cut out decal as close to lettering as your comfortable with, dip decal in clean water for about 10-15 sec. and remove. Place on wet cloth for 90+ sec., decal should now slide from backing easily.

Hold decal in desired location on model and slide backing away.

With a small soft wet paint brush you may fine-tune positioning.

Keep decal wet.

Gently dab/blot with a towel to remove extra water and allow to dry.

Test finishing solutions before applying to entire decal.

Clear Decal Paper

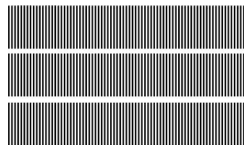
For use with ALPS printers, most laser printers, and color copiers. Before making multiple copies, always check to make sure the paper is compatible with the printer or copier you are using.

#3098 8-1/2 x 11 Clear (5) Sheets

#3099 8-1/2 x 11 Clear (1) Sheet

Street Marking Decals

- #3123 Dash - Yellow
- #3124 Solid/Dash - Yellow
- #3125 Solid/Solid - White
- #3126 Solid/Solid - Yellow



Dash



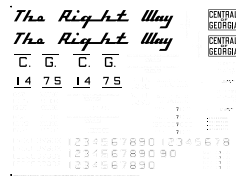
Solid /Dash



Solid/Solid

Hopper Decals

- #3121 CG - Black Lettering



Momentary Switches

Quickie Control Panel Switches

Single Pole, Single Throw, push button Control Panel Switches with color-coded caps. AC or DC at 3 amp. Use for uncouplers, turnout motors, etc.

- #163 Black - (normally closed) & Red - (normally open) - 2 each
- #164 Black - (normally closed) - 4 each
- #165 Red - (normally open) - 4 each



Transformer

Plug-in Transformer

For use with Kadee® #309 & #810 Electric Uncouplers, Lighting, Motors, Switches, Accessories, Etc.

#166 INPUT: 120VAC 60Hz 0.50A OUTPUT: 16.5VAC 50VA



Screws, Washers & Nuts

Fiber Washers

Fiber Washers Four Dozen

- #208 Red .015" Thick (1/4" O.D. x 1/8" I.D.)
- #209 Gray .010" Thick (1/4" O.D. x 1/8" I.D.)



Plastic Washers

Plastic Washers Two Dozen

Included in 30 Series Couplers.

- #210 1/32" Thick (5/32" O.D. x 5/64" I.D.)



Insulated Nylon Screws

2-56 Insulated Screws One Dozen

- #256 2-56 x 1/2" Long



Metal Screws

0-48 Screws Two Dozen

- #400 0-48 x 1/8" Long
- #401 0-48 x 3/16" Long
- #402 0-48 x 1/4" Long
- #403 0-48 x 3/8" Long



Stainless Steel Screws

2-56 Screws One Dozen

- #1703 2-56 x 1/8" Long
- #1706 2-56 x 1/4" Long
- #1708 2-56 x 3/8" Long
- #1709 2-56 x 1/2" Long
- #1710 2-56 x 5/8" Long
- #1711 2-56 x 3/4" Long

1-72 Screws One Dozen

- #1683 1-72 x 1/8" Long
- #1686 1-72 x 1/4" Long
- #1688 1-72 x 3/8" Long
- #1689 1-72 x 1/2" Long

0-80 Screws One Dozen

- #1643 1-72 x 1/8" Long
- #1646 1-72 x 1/4" Long
- #1648 1-72 x 3/8" Long
- #1649 1-72 x 1/2" Long



Stainless Steel Washers

2-56 Washers One Dozen

- #1701 2-56 Washer

1-72 Washers One Dozen

- #1681 1-72 Washer

0-80 Washers One Dozen

- #1641 1-72 Washer



Stainless Steel Nuts

2-56 Nuts One Dozen

- #1700 - 2-56 Nut

1-72 Nuts One Dozen

- #1680 - 1-72 Nut

0-80 Nuts One Dozen

- #1640 - 1-72 Nut



Drill Size, Decimal Equivalents Chart

DRILL SIZE CHART WITH DECIMAL, FRACTION, WIRE NUMBER AND METRIC SIZES

Decimal	Inch	Wire mm	Decimal	Inch	Wire mm	Decimal	Inch	Wire mm	Decimal	Inch	Wire mm	Decimal	Inch	Wire mm	Decimal	Inch	Wire mm
.0135		80	.0469	3/64	1.20	.0965		2.45	.1610		20	.2323		5.90	.3150		8.00
.0138		.35	.0472		1.20	.0980		40	.1614		4.10	.2340	A		.3160		O
.0145		79	.0492		1.25	.0984		2.50	.1654		4.20	.2344	15/64		.3189		8.10
.0156	1/64		.0512		1.30	.0995		39	.1660		19	.2362		6.00	.3228		8.20
.0158		.40	.0520		55	.1015		38	.1673		4.25	.2380	B		.3230		P
.0160		78	.0531		1.35	.1024		2.60	.1693		4.30	.2402		6.10	.3248		8.25
.0177		.45	.0550		54	.1040		37	.1695		18	.2420	C		.3268		8.30
.0180		77	.0551		1.40	.1063		2.70	.1719	11/64		.2441		6.20	.3281	21/64	
.0197		.50	.0571		1.45	.1065		36	.1730		17	.2460	D		.3307		8.40
.0200		76	.0591		1.50	.1083		2.75	.1732		4.40	.2461		6.25	.3320		Q
.0210		75	.0595		53	.1094	7/64		.1770		16	.2480		6.30	.3346		8.50
.0217		.55	.0610		1.55	.1100		35	.1772		4.50	.2500	1/4	E	.3386		8.60
.0225		74	.0625	1/16		.1102		2.80	.1800		15	.2520		6.40	.3390		R
.0236		.60	.0630		1.60	.1110		34	.1811		4.60	.2559		6.50	.3425		8.70
.0240		73	.0635		52	.1130		33	.1820		14	.2570	F		.3438	11/32	
.0250		72	.0650		1.65	.1142		2.90	.1850		13 4/70	.2598		6.60	.3445		8.75
.0256		.65	.0669		1.70	.1160		32	.1870		4.75	.2610	G		.3465		8.80
.0260		71	.0670		51	.1181		3.00	.1875	3/16		.2638		6.70	.3480		S
.0276		.70	.0689		1.75	.1200		31	.1890		12 4.80	.2656	17/64		.3504		8.90
.0280		70	.0700		50	.1220		3.10	.1910		11	.2657		6.75	.3543		9.00
.0292		69	.0709		1.80	.1250	1/8		.1929		4.90	.2660	H		.3580		T
.0295		.75	.0728		1.85	.1260		3.20	.1935		10	.2677		6.80	.3583		9.10
.0310		68	.0730		49	.1280		3.25	.1960		9	.2717		6.90	.3594	23/64	
.0312	1/32		.0748		1.90	.1285		30	.1968		5.00	.2720	I		.3622		9.20
.0315		.80	.0760		48	.1299		3.30	.1990		8	.2756		7.00	.3642		9.25
.0320		67	.0768		1.95	.1339		3.40	.2008		5.10	.2770	J		.3661		9.30
.0330		66	.0781	5/64		.1360		29	.2010		7	.2795		7.10	.3680		U
.0335		.85	.0785		47	.1378		3.50	.2031	13/64		.2810	K		.3701		9.40
.0350		65	.0787		2.00	.1405		28	.2040		6	.2812	9/32		.3740		9.50
.0354		.90	.0807		2.05	.1406	9/64		.2047		5.20	.2835		7.20	.3750	3/8	
.0360		64	.0810		46	.1417		3.60	.2055		5	.2854		7.25	.3770		V
.0370		63	.0820		45	.1440		27	.2067		5.25	.2874		7.30	.3780		9.60
.0374		.95	.0827		2.10	.1457		3.70	.2087		5.30	.2900	L		.3819		9.70
.0380		62	.0846		2.15	.1470		26	.2090		4	.2913		7.40	.3839		9.75
.0390		61	.0860		44	.1476		3.75	.2126		5.40	.2950	M		.3858		9.80
.0394		1.00	.0866		2.20	.1495		25	.2130		3	.2953		7.50	.3860		W
.0400		60	.0886		2.25	.1496		3.80	.2165		5.50	.2969	19/64		.3898		9.90
.0410		59	.0890		43	.1520		24	.2188	7/32		.2992		7.60	.3906	25/64	
.0413		1.05	.0906		2.30	.1535		3.90	.2205		5.60	.3020	N		.3937		10.00
.0420		58	.0925		2.35	.1540		23	.2210		2	.3031		7.70	.3970		X
.0430		57	.0935		42	.1562	5/32		.2244		5.70	.3051		7.75	.4040		Y
.0433		1.10	.0938	3/32		.1570		22	.2264		5.75	.3071		7.80			
.0453		1.15	.0945		2.40	.1575		4.00	.2280		1	.3110		7.90			
.0465		56	.0960		41	.1590		21	.2283		5.80	.3125	5/16				

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673 Avenue C
White City, OR 97503-1078

DECIMAL METRIC EQUIVALENTS

Fractional Inch	Decimal Inch	Decimal Metric	Fractional Inch	Decimal Inch	Decimal Metric
	1/64	.015625		33/64	.515625
1/32		.03125	17/32		.53125
	3/64	.046875		35/64	.546875
1/16		.0625	9/16		.5625
	5/64	.078125		37/64	.578125
3/32		.09375	19/32		.59375
	7/64	.109375		39/64	.609375
1/8		.125	5/8		.625
	9/64	.140625		41/64	.640625
5/32		.15625	21/32		.65625
	11/64	.171875		43/64	.671875
3/16		.1875	11/16		.6875
	13/64	.203125		45/64	.703125
7/32		.21875	23/32		.71875
	15/64	.234375		47/64	.734375
1/4		.25	3/4		.75
	17/64	.265625		49/64	.765625
9/32		.28125	25/32		.78125
	19/64	.296875		51/64	.796875
5/16		.3125	13/16		.8125
	21/64	.328125		53/64	.828125
11/32		.34375	27/32		.84375
	23/64	.359375		55/64	.859375
3/8		.375	7/8		.875
	25/64	.390625		57/64	.890625
13/32		.40625	29/32		.90625
	27/64	.421875		59/64	.921875
7/16		.4375	15/16		.9375
	29/64	.453125		61/64	.953125
15/32		.46875	31/32		.96875
	31/64	.484375		63/64	.984375
1/2		.5	1		1.0

Kadee® Spring Specifications

Dimensions in inches / Load in Grams / Material: PB = phosphor bronze, MW = music wire, SS = Stainless Steel

Part Number (catalog)	Part Number (in house)	Outside Diameter	Inside Diameter	Wire Diameter	Pitch	Total Coils	Free Length	Solid Height	Load (Solid Height)	Closed Coils (per end)	Material
622	HO-1	0.052	0.044	0.004	0.014	10.0	0.148	0.040	9.0	¾	PB
623	HO-2	0.052	0.046	0.003	0.012	12.0	0.148	0.036	2.5	¾	PB
	HO-3	0.052	0.046	0.003	0.008	15.0	0.128	0.045	2.0	¾	PB
625	HO-4	0.054	0.046	0.004	0.012	10.0	0.133	0.040	5.0	¾	PB
	HO-T-1	0.100	0.084	0.008	0.026	7.0	0.200	0.056	50.0	¾	PB
637	HO-T-2	0.080	0.066	0.007	0.021	6.0	0.140	0.042	110.0	½	MW
638	HO-T-3	0.062	0.048	0.007	0.024	6.5	0.170	0.045	90.0	¾	PB
	HO-C-1	0.094	0.080	0.007	0.021	29.0	0.625	0.203	30.0	1	MW
847	S-1	0.055	0.049	0.003	0.016	11.0	0.186	0.033	3.0	¾	PB
846	S-2	0.070	0.060	0.005	0.022	8.0	0.186	0.040	14.0	¾	PB
845	O-1	0.070	0.060	0.005	0.024	8.0	0.208	0.040	16.0	1	PB
850	O-2	0.110	0.096	0.007	0.029	7.0	0.218	0.049	24.0	¾	PB
875	1-1	0.110	0.090	0.010	0.025	12.0	0.325	0.120	95.0	¾	SS
876	1-2	0.135	0.115	0.010	0.033	10.0	0.350	0.100	80.0	¾	SS
877	1-3	0.104	0.084	0.010	0.029	14.0	0.425	0.140	55.0	¾	SS
	1-4	0.150	0.130	0.010	0.034	7.0	0.260	0.070	50.0	¾	SS
1875	1-5	0.118	0.098	0.010	0.025	12.0	0.310	0.120	75.0	¾	SS
	1-6	0.094	0.076	0.009	0.036	14.0	0.530	0.126	150.0	¾	SS
	1-7	0.074	0.060	0.007	0.021	7.5	0.170	0.052	35.0	¾	PB
860	G-1	0.135	0.115	0.010	0.035	10.0	0.375	0.100	95.0	¾	SS
861	G-2	0.125	0.105	0.010	0.027	22.0	0.625	0.220	50.0	1	SS
864	G-4	0.125	0.101	0.012	0.036	19.0	0.710	0.228	220.0	¾	SS
	G-6	0.125	0.105	0.010	0.033	16.0	0.550	0.160	85.0	1	SS
	G-9	0.114	0.098	0.008	0.023	10.0	0.250	0.080	30.0	¾	SS
878	G-39	0.155	0.135	0.010	0.046	12.0	0.580	0.120	60.0	¾	SS
	701	0.165	0.137	0.014	0.057	19.0	1.125	0.266	350.0	1	MW
	702	0.135	0.117	0.009	0.040	27.0	1.100	0.243	90.0	1	MW

SUMMARY OF SCALES

NAME OF SCALE	SCALE TO FOOT	PROPORTION	COUPLER CENTER ABOVE RAILHEAD	TRACK GAGE
1-1/2"	1.500" (38.1mm)	1:8	4 5/16" (109mm)	7.250" (184.15mm)
1-1/2"	1.500" (38.1mm)	1:8	4 5/16" (109mm)	7.500" (190.5mm)
1"	1.000" (25.4mm)	1:12	2 7/8" (73mm)	4.750" (121mm)
M	.886" (22.5mm)	1:13.5		4.173" (106mm)
Mn2	.886" (22.5mm)	1:13.5		1.772" (45mm)
3/4"	.75" (19mm)	1:16	2 1/4" (57mm)	3.500" (88.9mm)
F	.591" (15mm)	1:20.3		2.776" (70.5mm)
Fm	.591" (15mm)	1:20.3		1.949" (49.5mm)
Fn3	.591" (15mm)	1:20.3		1.772" (45mm)
Fn2-1/2	.591" (15mm)	1:20.3		1.476" (37.5mm)
Fn2	.591" (15mm)	1:20.3		1.181" (30mm)
G	.533" (13.55mm)	1:22.5		2.519" (64mm)
Gm	.533" (13.55mm)	1:22.5		1.772" (45mm)
Gn3	.533" (13.55mm)	1:22.5		1.614" (41mm)
Gn2-1/2	.533" (13.55mm)	1:22.5		1.259" (32mm)
17/32"	.531" (13.5mm)	1:22.6	1 7/16" (37mm)	2.500" (63.5mm)
1/2"	.500" (12.7mm)	1:24	1 7/16" (37mm)	2.500" (63.5mm)
A	.414" (10.51mm)	1:29		1.949" (49.5mm)
An3-1/2	.414" (10.51mm)	1:29		1.476" (37.5mm)
An2-1/2	.414" (10.51mm)	1:29		1.259" (32mm)
An2	.414" (10.51mm)	1:29		.886" (22.5mm)
#1	.375" (9.52mm)	1:32	1 1/16" (27mm)	1.766" (45mm)
#1m	.375" (9.52mm)	1:32		1.259" (32mm)
#1n3	.375" (9.52mm)	1:32		1.126" (28.6mm)
#1n2	.375" (9.52mm)	1:32		.752" (19.1mm)
O(17)	.266" (6.75mm)	1:45.2	11/16" (17mm)	1.250" (31.8mm)
O	.250" (6.35mm)	1:48	11/16" (17mm)	1.250" (31.8mm)
On3	.250" (6.35mm)	1:48	9/16" (14mm)	.750" (19.0mm)
On30 (On2.5)	.250" (6.35mm)	1:48	See HO or On3	.649" (16.5mm)
On2	.250" (6.35mm)	1:48	11/32" (8.7mm)	.500" (12.7mm)
S	.188" (4.76mm)	1:64	17/32" (13mm)	.875" (22.2mm)
Sn3	.188" (4.76mm)	1:64	13/32" (10mm)	.563" (14.3mm)
OO	.1575" (4mm)	1:76.2	29/64" (12mm)	.750" (19mm)
HO	.1378" (3.5mm)	1:87.1	25/64" (9.9mm)	.649" (16.5mm)
HOn3	.1378" (3.5mm)	1:87.1	9/32" (7.1mm)	.413" (10.5mm)
HOn2	.1378" (3.5mm)	1:87.1		.276" (7.01mm)
TT	.100" (2.54mm)	1:120	9/32" (7.1mm)	.471" (12mm)
TTn3	.100" (2.54mm)	1:120	7/32" (5.54mm)	.300" (7.62mm)
N	.075" (1.90mm)	1:160	.216" (5.5mm)	.353" (8.97mm)
Nn3(40")	.075" (1.90mm)	1:160		.250" (6.35mm)
Z	.055" (1.39mm)	1:220		.257" (6.52mm)

**Kadee® Quality
Products Co.**

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Notes:

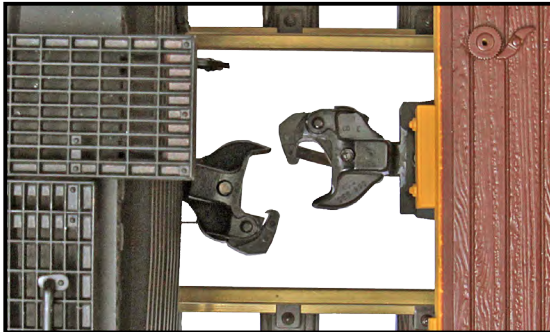
Kadee® - RC System



Kadee® RC Remote System

Uncouple Anywhere*

Truly Wireless
Additional Auxiliary Features
No Track Signal Needed
Stand-Alone System



Open & Close Large Scale Couplers
with a Push of a Button.

Turn On and Off lighting, switches, turnouts,
motors and more... with a Push of a Button.

NEW



TRUE WIRELESS IS HERE

Kadee® RC Brings the Best of Old & New Technologies Together.
Kadee® Magne-Matic® Couplers & Kadee® RC Remote System.

The Exciting New Series of G-Scale Kadee® RC Couplers can be operated with your existing Kadee® magnetic uncouplers and also uncouple remotely anywhere* with the NEW (patent pending) Kadee® Radio Control System.

By incorporating Kadee® RC Radio Control System in to your layout, you can bring the best of old & new technologies together. Kadee® Magne-Matic® Remote Couplers can be operated by any one of the Kadee® uncouplers you already have in your layout or they can be operated independently using the Kadee® RC Hand-Held Transmitter that can operate remote couplers, lighting, switches, turnouts, motors and more. Up to 99 Receivers can be operated from just one Transmitter.

Current Features:

- Auto Shutdown
- Group Operation
- Long Battery Life
- Battery Monitoring
- Up to a 300' range
- Remote Uncoupling
- Large Tactile Keypad
- Stand Alone Operation
- Multiple Operating Modes
- Simple Addressing & Binding
- Operate up to 99 Remote Devices
- Receiver with On-board 250mA Relay
- Monitor Receiver Status in LCD Display
- Accommodates Standard Hobby Servos

Patents Pending. Patent numbers 7,810,660 B1



Quality Products Co.
673 Avenue C,
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Made & Assembled Entirely
in the U.S.A.

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* Limited uncoupling on curves.

FOR MORE INFORMATION VISIT
www.remoteuncoupling.com

Kadee® - RC System

Components

Hand-Held Transmitter

The Kadee® RC Hand-Held Transmitter can operate remote couplers, lighting, switches, turnouts, motors and more, up to 99 Receivers can be operated from just one Hand-Held Transmitter.

Batteries not included.

#11215 Hand-Held Transmitter

Current Features:

- Auto Shutdown
- Group Operation
- Long Battery Life
- Battery Monitoring
- Up to a 300' range
- Remote Uncoupling
- Large Tactile Keypad
- Stand Alone Operation
- Multiple Operating Modes
- Simple Addressing & Binding
- Operate up to 99 Remote Devices
- Receiver with On-board 250mA Relay
- Monitor Receiver Status in LCD Display
- Accommodates Standard Hobby Servos



Hand-Held Transmitter

Receiver Kit

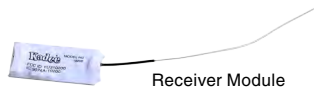
The Kadee® RC Receiver can operate the One Standard Hobby Servo and has a built in 250mA Relay For lighting, switches, turnouts, motors and more. **Batteries not included.**

For use with the #11215 Hand-Held Transmitter sold separately.

Note: Powering the Receiver from any other power source will void the warranty.

#11110 Receiver Kit

Includes: One Receiver Module, One 4 cell AA Battery Holder, One Wiring Harness, Fuse & Fuse Holder.



Receiver Module



Wiring Harness



Fuse & Fuse Holder



4 cell AA Battery Holder

Standard Servo Kit

#11120 Standard Servo Kit

Includes: One Hitec (HS-311) Servo, One Standard Vertical Servo Tray, Four 1/8 X 1/4 X 1/16" Grommets, Four Eyelets, Two #4 X 1/4" Screws, Alcohol Wipe, Double Sided Tape.



Standard Vertical Servo Tray



Hitec (HS-311) Servo

Standard Vertical Servo Tray - for Hitec (HS-311)

#11200 Standard Vertical Servo Tray - for Hitec (HS-311)

Includes: One Servo Tray, Four 1/8 X 1/4 X 1/16" Grommets, Four Eyelets, Two #4 X 1/4" Screws, Alcohol Wipe, Double Sided Tape.



Standard Vertical Servo Tray

Patents Pending

Kadee® - RC System

Components

Starter Kits

This package of Kadee® products is designed to get you started with Kadee® RC System. The kit contains all the necessary hardware to convert one body mount large-scale car to a remote uncoupling car with an auxiliary 250mA power relay. **Batteries not included.**

#11100 G-Scale Body Mount Coupler Starter Kit (single or dual remote uncoupling)

Designed for use with Freight & Passenger cars. Includes the following products:

#11215 Hand-Held Transmitter, #11110 Receiver Kit, #11115 Body Mount Coupler Kit

#11105 G-Scale Actuated Body Mount Coupler Starter Kit (single remote uncoupling)

Designed for use with Locomotives, Freight & Passenger cars. Includes the following products:

#11215 Hand-Held Transmitter, #11110 Receiver Kit, #11220 Actuated Body Mount Coupler with Gearbox (Assembled)

Body Mount Remote Coupler Kit *Designed for use with Freight & Passenger cars.*

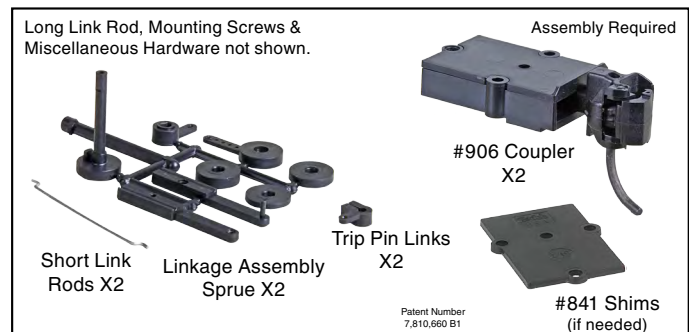
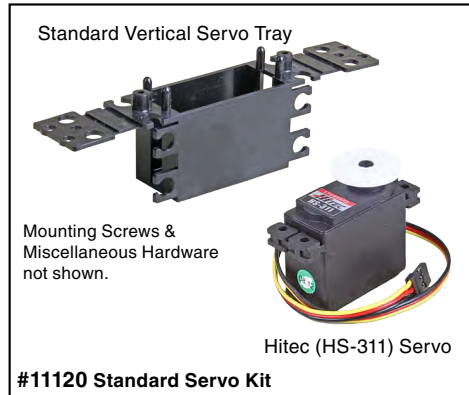
The Kit includes the necessary components to convert both ends of one car to Remote Couplers. The #11115 Kit includes #906 couplers that will body mount anywhere a #830 coupler will. The car can be setup to remotely operate a single coupler or both couplers simultaneously.

If Kadee® RC Remote System is being used to operate Remote Coupler, the #11110 Receiver Kit (sold separately) is needed.

*We recommend operating Kadee® RC Remote Couplers using the Kadee® RC Remote System, other means of operating & controlling the servo can be used with Kadee® RC Remote Couplers, as long as the degree of servo rotation is adjustable. The Kadee® RC Remote Couplers are designed to operate with 90 degree servo rotation only. **Note: The use of any other means of operating the Kadee® RC Remote Couplers other than a Kadee® RC Servo Controller (Example: #11110 Receiver Kit) will void the warranty.***

#11115 G-Scale Body Mount Coupler Kit (single or dual remote uncoupling)

Contains: Two #906 G-Scale Couplers & Gearboxes, Two Trip Pin Linkage Collars, Two Short Linkage Rods, One Long Linkage Rod, Two #841 Shims, Mounting Screws & Hardware, One #11120 Standard Servo Kit (One One Hitec (HS-311) Servo, One Standard Vertical Servo Tray, Four 1/8 X 1/4 X 1/16" Grommets, Four Eyelets, Two #4 X 1/4" Screws, Alcohol Wipe, Double Sided Tape).



Actuated Body Mount Coupler with Gearbox *Designed for use with Locomotives, Freight & Passenger cars.*

This product allows you to convert to a Remote Coupler easily. The #1 & G Scale Actuated Body Mount Gearboxes are the same & will body mount anywhere a #830 gearbox will mount. The #11220 will mount on a #830 platform and be at the #830 G-Scale coupler height. The #11221 will mount on a #830 platform and be at the #820 #1-Scale coupler height. Couplers can be custom body mounted to most locomotives. The kit contains one ready to mount assembled "all in one remote coupler" (coupler and gearbox with built in ultra nano servo).

If Kadee® RC Remote System is being used to operate Remote Coupler, the #11110 Receiver Kit (sold separately) is needed.

*We recommend operating Kadee® RC Remote Couplers using the Kadee® RC Remote System, other means of operating & controlling the servo can be used with Kadee® RC Remote Couplers, as long as the degree of servo rotation is adjustable. The Kadee® RC Remote Couplers are designed to operate with 90 degree servo rotation only. **Note: The use of any other means of operating the Kadee® RC Remote Couplers other than a Kadee® RC Servo Controller (Example: #11110 Receiver Kit) will void the warranty.***

#11220 G-Scale Actuated Body Mount Coupler with Gearbox (Assembled)

#11221 #1-Scale Actuated Body Mount Coupler with Gearbox (Assembled)



Patents Pending, Patent numbers 7,810,660 B1

Kadee® - RC System

LIMITED WARRANTY

Kadee Quality Products will repair or replace, at our sole option without charge, any Kadee Remote Control Product or Kadee Remote Control system products affiliated with Kadee Remote Control system (#11110, #11215, #11225, #11230) determined by Kadee to be defective, where such product fails due to a defect in material or workmanship within (1) Year following the initial consumer purchase. Kadee's responsibility and liability pursuant to this warranty is expressly and solely limited to the replacement and repair of the Kadee Product in accordance with this warranty.

This warranty is limited to the original "Purchaser" and is not transferable or assignable. This warranty covers only those Kadee Products purchased from an authorized dealer. Third party transactions (such as EBAY) are not covered by this warranty.

Proof of purchase or product registration reflecting a purchase within the warranty period is required for warranty claims. Further, Kadee reserves the right to change or modify this warranty without notice and disclaims all other warranties, express or implied.

This warranty does not cover: normal wear and tear, cosmetic or physical damage to the surface of the product, including cracks or scratches. Any damage due to improper installation, operation, maintenance, handling, accident, fire, water or liquids, power changes, abuse, alteration, modification, negligence, battery leak, damage caused by third parties, damage due to attempted repair by anyone other than Kadee, acts of God, devices purchased from anyone other than an authorized retailer or distributor or devices that have been previously registered.

This warranty is considered void if the product case has been opened or the protective wrap has been removed by anyone other than Kadee.

Any device needing to be returned to Kadee must have a return merchandise authorization (RMA) number. Any device received at Kadee without a valid RMA number will be returned to the sender at sender's expense. RMA numbers are valid for (10) business days.

Kadee reserves the right to inspect any and all equipment involved in a warranty claim. Repair or replacement decisions are at the sole discretion of Kadee.

A technical representative will be able to determine if the device is defective and still under the limited warranty period. It also may be necessary for the device to be sent for evaluation to determine the validity of the warranty claim.

If the device is not deemed defective or is out of the limited warranty period, you may be given the option to repair the device for a fee or have the device returned as is at your expense.

DISCLAIMER:

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES. KADEE SHALL NOT BE RESPONSIBLE OR LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY LAW, ANY IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY OR THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE TERM OF THIS WARRANTY. Some states/countries do not allow limitations of how long an implied warranty lasts or the exclusion or limitation of such damages, so these limitations and exclusions may not apply to you. This warranty gives the consumer specific legal rights and you may also have other rights which vary from location to location. If any portion of this warranty is held to be invalid or unenforceable for any reason, such finding will not invalidate any other provision.

Note: Powering the #11110 Receiver Kit from any other power source will void the warranty.

Note: The use of any other means of operating the Kadee® RC Remote Couplers other than a Kadee® RC Servo Controller (Example: #11110 Receiver Kit) will void the warranty.



Most of the below listings have conversions available on the internet at www.kadee.com/conv/ho.htm

HO-SCALE CONVERSION FOR FACTORY INSTALLED KNUCKLE COUPLERS

Note: Models with Factory Knuckle Couplers are easily converted by using our #148 or "scale" head #158 WHISKER® Couplers. Always check the coupler heights with either our #205 or newer #206 Coupler Height Gauge.

This coupler conversion list is our suggested starting coupler for the conversion. (Typically requiring the least modification to a model utilizing our newest couplers even though other couplers also work for the model). Our conversion's based on only one model from a production run, there may be inconsistencies in a model's production run that require a different coupler or model modifications to achieve the proper coupler height for coupler function.

ACCURAIL

All Rolling Stock.....^{NO.5}, 148 or MCS
AHM (RIVAROSSA)

STEAM

0-4-0 Dockside..... (Early model) 34 Pilot, 31 Rear
0-4-0 Dockside..... (Late model) 34 Pilot, 34 Rear
0-4-0 Switcher w/Tender..... 37
0-8-0 Switcher..... 38 Pilot, ^{NO.5} or 148 Tender
2-4-0 Bowker (Tender only)..... 34
2-8-4 Berkshire..... 34 Pilot, 26 Tender
2-10-2 Santa Fe Class..... 38
2-8-8-2 USRA Mallet..... 33 Pilot, 27 Tender
4-4-0 Genoa or Reno (Tender only)..... 34
4-6-0 Casey Jones (Tender only)..... 37
4-6-2 Heavy Pacific..... 33 Pilot, 27 Tender
4-6-4 J3a Hudson..... Pilot 28, ^{NO.5} or 148 Tender
4-6-6-4 Challenger..... 33 Pilot, 27 Tender
4-8-8-2 Cab Forward (Early model)..... 34
4-8-8-2 Cab Forward (Late model)..... Pilot 33
Tender 27
4-8-8-4 Big Boy..... 33 Pilot, 27 Tender
Heisler (2 & 3 truck)..... BM 32, TM 21

DIESEL

Alco C424..... 31
Alco RS-2..... ^{NO.5}, 148 or MCS
EMD BL-2..... ^{NO.5}, 148 or MCS
EMD E-8/9..... 27 Pilot, 24 Rear
EMD GP-18..... 21
EMD SD-40..... 153 or 148
Fairbanks Morse 'C' Liner..... 31 Pilot, 37 Rear
GE 1000..... modified 20 NEM 362
GE U25C..... 38
GG1..... 37
Krauss/Maffi..... ^{NO.5}, 148 or MCS
Plymouth MDT Switcher..... 27
Whitcomb Switcher..... 38

ROLLING STOCK

All Freight Cars - Talgo trucks..... 37 TM
All Freight Cars-Body mount)..... ^{NO.5}, 148 or MCS
Old Time Freight Cars..... ^{NO.5}, 148 or MCS
Old Time 4-Wheel Pass. Trucks..... 508
4-Wheel Pass. Trucks..... 508
6-Wheel Pass. Trucks..... 505
Tavern Lounge or Observation.....
Truck Mnt. as above..... Dummy Cuplr End 38

NOTE:

1. See "Rivarossi" for post 1993 models.
2. Most late model RTR European Locos and Rolling Stock come equipped with "NEM" style couplers. Kadee® offers HO-Scale NEM-362 Couplers in four different lengths..... 17, 18, 19 & 20

A-LINE (Proto Power West)

All Rolling Stock.....^{NO.5}, 148 or MCS

ALCO (Brass)

All Imports.....^{NO.5}, 148 or MCS

AMBROID

All Rolling Stock Kits.....^{NO.5}, 148 or MCS

AMERICAN BEAUTY

All Rolling Stock.....^{NO.5}, 148 or MCS

AMERICAN FLYER (Gilbert)

All Rolling Stock..... 27 in 5 box

AMERICAN MODEL BUILDERS, INC.

All Passenger Car Kits.....^{NO.5}, 148 or MCS

AMERICAN TRAIN & TRACK - ATT

DIESEL

Alco 415.....^{NO.5}, 148 or MCS TM
Plymouth MDT Switcher..... 27

ROLLING STOCK

All Freight Cars (Generic)..... 37 TM
Box Car & Reefers..... ^{NO.5}, 148 or MCS
Flat Car, 3 Container..... ^{NO.5}, 148 or MCS
Coach, Old Time..... 27

ARISTO - CRAFT

STEAM

All Steam Locomotives (Generic).....^{NO.5}, 148 or MCS

ATHEARN

Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.

STEAM

0-4-2 T "Little Monster".....^{NO.5}, 148 or MCS
0-6-0 Switcher with Tender.....^{NO.5}, 148 or MCS
4-6-2 Pacific.....^{NO.5}, 148 or MCS

ATHEARN - Continued

Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.

DIESEL

Alco PA-1 & Alco PB-1..... 27 or 37
AMD 103 P 40 and P 42..... 27
Baldwin S-12..... 27
Budd RDC..... 37 Metal Body, 21 Plastic Body
EMD CF7.....^{NO.5}, 148 or MCS
EMD DD40X..... 38
EMD F-7A & B (Rubberband drive)..... 31
EMD F-7A & B (Gear drive)..... 37
EMD F-45..... 38
EMD FP-45..... 38
EMD GP-9..... 38
EMD GP-30..... 38
EMD GP-35..... 32
EMD GP-38-2..... 37
EMD GP-40-2..... 38
EMD GP-50..... 38
EMD GP-50 Phase II..... 38
EMD GP-60..... 38
EMD SD-9..... 38
EMD SD-35..... 37
EMD SDP-40..... 37
EMD SD-40-2..... 37
EMD SD-40-2 Snoot nose.....^{NO.5}, 148 or MCS
EMD SD-40T-2..... 37
EMD SD-45..... 37
EMD SW-7.....^{NO.5}, 148 or MCS
EMD SW-7, Calf.....^{NO.5}, 148 or MCS
EMD SW-1000..... (Late) 38, (Early) 37
EMD SW-1500..... (Late) 38, (Early) ^{NO.5} or 148
FM H 24-66 (Trainmaster)..... 37
GE Dash 9-44CW..... 27 or 28
GE U28B..... 37
GE U28C..... 38
GE U30B..... 37
GE U30C..... 38
GE U33C..... 38
GE U33B..... 37
GE AC 4400..... 28
Hustler.....^{NO.5}, 148 or MCS

ROLLING STOCK

Freight Cars-Generic (Metal/wood)..... 148 with 213 sleeve
Box Car 86' Hi-Cube..... 27
Caboose ATSF type..... 27
Caboose Bay Window..... 27
Caboose Extended Vision..... 27
Container Well Car..... 27
Flat Car 86'..... 27
Husky Stack Gunderson GWF-10..... 27
ImpactEnd Car or Unit..... 22
Stock Car..... 27
Tank Car, 62'..... 27
TOFC, 86'..... 27
Other Rolling Stock.....^{NO.5}, 148 or MCS
Work Caboose on Flat..... 27
Passenger Car Heavyweight.....^{NO.5}, 148 or MCS
Passenger Car Streamlined.....^{NO.5}, 148 or MCS
Pass Car Streamlined Observation..... 22 TM
Passenger Car Streamlined Diner.....^{NO.5}, 148 or MCS

ATHEARN "GENESIS"

Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.

STEAM

USRA 2-8-2 Lt. Mikado (road pilot)..... 36 Pilot, ^{NO.5} or 148 Tender
USRA 2-8-2 Lt. Mikado (step pilot)..... 34 Pilot, ^{NO.5} or 148 Tender
4-6-2 Pacific..... 36 Pilot, ^{NO.5} or 148 Tender
4-8-8-4 Big Boy..... 148 or 158 both ends
Closer Coupling 153
4-8-8-4 Challenger..... 148 or 158 both ends
Closer Coupling 153

DIESEL

EMD F-3, F-7 & F9 "A"..... 36 pilot 38 rear
EMD F-3, F-7 & F9 "B"..... 38 both ends
EMD SD-70, 701, 70M, 751, 75M..... 28 use 26 w/plow

ATHEARN "GENESIS" - Continued

Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.

ROLLING STOCK

Auto-Max..... 42 or 22
5161 cu ft Trinity Hopper..... 78
Other Rolling Stock.....^{NO.5}, 148 or MCS

ATHEARN "RTR"

Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.

DIESEL

EMD CF7.....^{NO.5}, 148 or MCS
EMD F-7 "A" & "B"..... 33
EMD F-59 PHI..... 38, 36 w/plow
EMD GP 38-2..... 33 both ends
EMD GP 60M & 60B..... 27 both ends
EMD SD-40-2.....^{NO.5}, 148 or MCS

ROLLING STOCK

Bombardier Coach.....^{NO.5}, 148 or MCS
Caboose.....^{NO.5}, 148 or MCS

ATLAS

Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.

DIESEL

AEM-7.....^{NO.5}, 148 or MCS
ALP-44.....^{NO.5}, 148 or MCS
Alco B-425 & 426 Century.....^{NO.5}, 148 or MCS
Alco C-424 Phase I and II.....^{NO.5}, 148 or MCS
Alco C-425.....^{NO.5}, 148 or MCS
Alco RS-1.....^{NO.5}, 148 or MCS
Alco RS-3.....^{NO.5}, 148 or MCS
Alco RS-11.....^{NO.5}, 148 or MCS
Alco RSD-4/5..... 38
Alco RSD-12.....^{NO.5}, 148 or MCS
Alco S-1..... 28
Alco S-2..... 28
Alco S-3..... 28
Alco S-4..... 27
EMD F-3..... 37
EMD F-7..... 37
EMD FP-7 Austria..... 34
EMD FP-7..... 38
EMD GP-7..... 38
EMD GP-7 New Production.....^{NO.5}, 148 or MCS
EMD GP-38..... 37
EMD GP-38 New Production.....^{NO.5}, 148 or MCS
EMD GP-40..... 37
EMD GP-40 New Production.....^{NO.5}, 148 or MCS
EMD SD-9..... 38
EMD SD-24..... 37
EMD SD-24 New Production.....^{NO.5}, 148 or MCS
EMD SD-35..... 37
FM H15-44.....^{NO.5}, 148 or MCS
FM H16-44.....^{NO.5}, 148 or MCS
GE C 30-7..... 33 or 454 Kit
GE U23B.....^{NO.5}, 148 or MCS
GE U30C.....^{NO.5}, 148 or MCS
GE U33/36C..... 38 or 454 Kit
GE Dash 8-40B.....^{NO.5}, 148 or MCS
GE Dash 8-40C.....^{NO.5}, 148 or MCS

ROLLING STOCK

Caboose, Extended Vision..... 27
Other Rolling Stock.....^{NO.5}, 148 or MCS

AUTHENTICAST

All Rolling Stock.....^{NO.5}, 148 or MCS

BACHMANN

Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.

STEAM

0-6-0 USRA Switcher (late)..... 34 Pilot, 33 Tender
0-6-0 USRA Switcher (newer).....^{NO.5}, 148 or MCS
2-6-2 Prairie.....^{NO.5}, 148 or MCS ?
2-8-0 Consolidation.....^{NO.5}, 148 or MCS
2-8-2 Mikado.....^{NO.5}, 148 or MCS ?
2-10-4 Texas.....^{NO.5}, 148 or MCS ?
4-4-0 American & Jupiter (older).....^{NO.5}, 148 or MCS
(Tender only).....
4-4-0 American & Jupiter (newer).....
(Tender only)..... 33
4-8-4 GS4 (Tender only)..... 37

DIESEL

EMD F-9..... 37
EMD F-45..... 37

BACHMANN - Continued	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
EMD GP-18	28
EMD GP-40	37
EMD GP-50	37
EMD SD-40-2	27
GE E-60-CP Electric (Amtrak)	38
GE U-36-B	37
Plymouth 35 Ton Switcher	37
ROLLING STOCK	
All Freight Cars (Generic)	37 TM, NO.5® or 148
Box Car, 56' All Door	38
All Cabooses	37
Crane Car (Lifting)	27 ?
Budd 85' Coach	38 TM or 454
Passenger Cars 85'	37 or 454
BACHMANN SILVER SERIES	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
ROLLING STOCK	
100 Ton Hopper	NO.5®, 148 or MCS
BACHMANN PLUS	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
STEAM	
4-8-4 GS-4 (Tender only)	37
4-8-4 N&W J (Tender only)	37
4-8-4 Niagara (Tender only)	37
4-8-4 Northern (Tender only)	37
DIESEL	
EMD F-7 A & B	452
EMD GP-35	27
EMD SD-45	38
GE B23-7	NO.5®, 148 or MCS
GE B30-7	33
BACHMANN SPECTRUM	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
STEAM	
0-6-0 Tank Switcher	NO.5®, 148 or MCS
2-8-0 Consolidation	36 Pilot, 38 Tender
2-10-0 Russian "Decapod"	NO.5®, 148 or MCS
4-6-0 Ten Wheeler	22 Pilot, NO.5® or 148 Tender
4-6-2 Pacific (new)	32 Pilot, NO.5® or 148 Tender
4-6-2 K4 Pacific	4 Pilot, 37 Tender
4-8-2 Mountain	39 Pilot, 33 Tender
Shay-Three Truck	NO.5®, 148 or MCS
DIESEL	
EMC Gas Elec Doodlebug	Rear 38, NO.5® or 148
For Small Radius Track	454 w/31
EMD DD40AX	38
EMD F40PH	27
EMD GP-30	37
EMD SD-45	33
FM H16-44	34
GE 44-Tonner	33
GE 70-Tonner	21
GE 70 Ton Switcher	22
GE Dash 8-40C	37, (31 Front w/Plow)
GE Dash 8-40CW Wide Cab	37, (31 Front w/Plow)
ROLLING STOCK	
Observation Car	Front 27, Rear 27+5 box
Passenger Cars (non obs.)	27
When running Bachmann Spectrum Passenger Cars on tight radius track use	454+36
1998 Production Passenger cars	NO.5®, 148 or MCS
SET	
ACELA	118 on Flex Arm or 454 with 118
BALBOA / TRAINMASTERS (Brass)	
See Manufacturers Instructions	NO.5®, 148 or MCS
BEAVER CREEK MODELS (Brass)	
See Manufacturers Instructions	NO.5®, 148 or MCS
BOWSER	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
STEAM	
2-8-0 Consolidation	NO.5®, 148 or MCS
2-8-2 Mikado	NO.5®, 148 or MCS
2-10-0 Decapod	NO.5®, 148 or MCS
4-4-2 Atlantic	NO.5®, 148 or MCS
4-6-2 Pacific	NO.5®, 148 or MCS
4-8-2 Mountain	NO.5®, 148 or MCS ?
4-6-6-4 Challenger	36 Pilot, NO.5® or 148 Tender
Tenders (Penn Line)	NO.5®, 148 or MCS
T-7 Type Tender	NO.5®, 148 or MCS
DIESEL	
FM H-16 -44 Diesel (Bowser Box)	28
(In a Kadee Box)	NO.5®, 148 or MCS
ROLLING STOCK	
All Rolling Stock	NO.5®, 148 or MCS
BRANCHLINE	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
Passenger Cars (Con-Cor)	508
Other Rolling Stock	NO.5®, 148 or MCS
BRASS CAR SIDES	
See Manufacturers Instructions	NO.5®, 148 or MCS

BRAWA	
NOTE: Most late model RTR European Locos and Rolling Stock come equipped with "NEM" style couplers. Kadee® also offers HO-Scale NEM-362 Couplers in four different lengths. 17, 18, 19 & 20	
BROADWAY LIMITED / PRECISION SCALE MODELS	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
STEAM	
SY 2-8-2 Mikado	NO.5® or 148 Pilot, 17 Tender
USRA 2-8-2 Heavy Mikado	33 Pilot, 23 Tender
4-6-4 Hudson	78 Pilot, 58 Tender
DIESEL	
(if not equipped with Kadee® Couplers)	148 or 158
CANADIAN RAILWAY MODEL CO.	
All Freight Cars	NO.5®, 148 or MCS
CASCADE MODELS	
Wood Chip Car	NO.5®, 148 or MCS
C&BT	
AAR 40' box Car	27
C&M SHOPS	
All Rolling Stock	NO.5®, 148 or MCS
CENTRAL VALLEY	
All Freight Cars	NO.5®
Passenger Cars	
4 Wheel Truck	506
6 Wheel Truck	507
CHALLENGER IMPORTS (Brass)	
All Rolling Stock	NO.5®, 148 or MCS
CON-COR	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
STEAM	
4-6-4 Hudson	28 Pilot, NO.5® or 148 Tender
4-8-8-4 Big Boy	33 Pilot, 27 Tender
DIESEL	
BUDD RDC (Plastic Body)	21
EMD E-7A & B	Pilot 31, Rear 33
EMD GP-38	37
EMD GP-40	37
EMD MP-15	22
EMD SD-24	37
EMD SD-35	37
EMD SD-40	38
EMD SW-7	37
ROLLING STOCK	
All Freight Car Kits (Wood)	NO.5®
Box Cars 60' Greenville	27
Box Cars (Empire Builder Series)	NO.5®, 148 or MCS
Box Car PS-1	27
Flat Car	NO.5®, 148 or MCS
Flat Car 54'	NO.5®, 148 or MCS
Mill Gondola 54"	NO.5®, 148 or MCS
Hopper Greenville	27 ?
Covered Hopper Airlide	27 ?
Covered Hopper PS-2	38
Reefer	27
1890 Oldie Passenger Car	33
Gunderson 5 Unit Twin Stack	NO.5®, 148 or MCS
Amtrak Mail Car (60' PD Box Car)	NO.5®, 148 or MCS
Amtrak Phase III Car	508 & 22
Streamlined Passenger Car	NO.5® or 148 BM, 37 TM
Amtrak Superliner	27 in 5 box
New Passenger Cars	
4 Wheel Trucks	508
6 Wheel Trucks	505
72' Pass. Cars w/4 Wheel Trucks	505
COOPER & OSHTOMO	
All Rolling Stock	NO.5®, 148 or MCS
COX	
DIESEL	
Hustler	28
ROLLING STOCK	
Freight Cars	NO.5®, 148 or MCS
Caboose Extended Vision	21 TM or 32 BM
CROWN (Brass)	
See Manufacturers Instructions	NO.5®, 148 or MCS
CUSTOM RAIL	
89' TOFC	NO.5®, 148 or MCS
DETAIL ASSOCIATES	
All Rolling Stock	NO.5®, 148 or MCS
DETAILS WEST	
All Rolling Stock	NO.5®, 148 or MCS
DIAMOND SCALE MODELS	
Wood Chip Car	NO.5®, 148 or MCS
E & B VALLEY	
Mill Gondola 65'	NO.5®, 148 or MCS
Covered Hopper	22
EASTERN CAR WORKS	
All Rolling Stock	NO.5®, 148 or MCS
All Heavy wt. Passenger Cars	NO.5® or 148 BM, 21 TM
All Streamlined Passenger Cars	22
E&C SHOPS	
ROLLING STOCK	
All Rolling Stock	NO.5®, 148 or MCS
ENGLISH MODEL TRAINS	
DIESEL	
ALCO FA-1	38
ERM	
Insulated Box (Beer) Car 62'	26

ERTL	
All Rolling Stock	NO.5®, 148 or MCS
EURO-MODELS IMPORTERS LTD.	
DIESEL	
EMD FP-7	34
Baldwin Sharknose	34
ROLLING STOCK	
Track Cleaning Car (Roco)	37 BM, 21 TM
FLEISHMANN (Germany)	
DIESEL	
O-C-O Switcher (German)	37
ROLLING STOCK	
Non-"NEM"	39
Most Fleischmann cars and locomotives that do not have "NEM" coupler pockets will use the #39 coupler mounted on the original pin or screw hole.	
NOTE: Most late model RTR European Locos and Rolling Stock come equipped with "NEM" style couplers. Kadee® also offers HO-Scale NEM-362 Couplers in four different lengths. 17, 18, 19, & 20	
FRATESCHI (E.R. MODELS)	
DIESEL	
FA-1 (Brazil)	37
FRONT RANGE	
DIESEL	
EMD GP- 9	NO.5®, 148 or MCS
ROLLING STOCK	
Box Car 50' SD	NO.5®, 148 or MCS
TOFC Articulated A & B ends	27
FUNARO AND CAMERLENGO	
All Rolling Stock	NO.5®, 148 or MCS
GEM MODELS (Brass)	
Promotory Pass set	27 in 5 Box
Other Rolling Stock	NO.5®, 148 or MCS ?
A.C. GILBERT (American Flyer)	
All Rolling Stock	27 in 5 box
GLOBE MODELS	
DIESEL	
EMD F-7 A & B	NO.5®, 148 or MCS
Rolling Stock	
Freight Cars	NO.5®, 148 or MCS
GLOOR CRAFT MODELS	
All Rolling Stock	NO.5®, 148 or MCS
GOULD CO.	
ROLLING STOCK	
120 Ton Wrecking Crane	22
Other Rolling Stock	NO.5®, 148 or MCS
GRANDT LINE HO#3	
ROLLING STOCK	
For HO#3 Kits	714
HALLMARK (Brass)	
See Manufacturers Instructions	27 or 28
HERKIMER	
All Passenger Cars	34
HOBBYTOWN	
DIESEL	
ALCO 1600 HP RS/RSD	36
EMD GP-9 and GP-30 (Athearn)	38
Chassis GP-20 (TYCO)	38
Chassis SDP-40, SD-45	36
Chassis GE U-28C	36
IHC (Mehano)	
STEAM	
0-4-0 Dockside	27
0-4-0 Switcher	34 Pilot, 34 Tender
0-8-0 Switcher	NO.5®, 148 or MCS
2-6-0 Mogul (Mehano)	38 Pilot, 27 Tender
2-6-0 Mogul	38 Pilot, 38 or 28 TM Tender
2-6-0 Camelback Mother Hubbard	Pilot 26
2-8-0 Consolidation	39 Pilot, NO.5® or 148 Tender
2-8-2 Mikado	38 Pilot, 27 Tender
4-4-0 American	29 Pilot, 28 Tender
4-6-2 Pacific (Mehano)	38 Pilot, 27 Tender
4-6-2 Pacific (Slovenia)	31 Pilot, NO.5® or 148 Tender
4-6-4 Hudson	36 Pilot, NO.5® or 148 Tender
4-8-2 Mountain	36 Pilot, NO.5® or 148 Tender
DIESEL	
ALCO C-415	33
ALCO C-628	29 TM
EMD E-8/9 A and B Units	26 Pilot, 27 Rear
EMD SD-35	23
EMD SD-40	22
GG-1 Electric	New 27 Old 37
MDT Switcher	31
Center Cab Switcher	27
SETS	
Thunder Bolt Set (Mehano) SD-40 Loco	22
Cars	28
ROLLING STOCK	
Crane Car and Boom Tender	28 TM or 22 BM
Log Car (Buggy)	NO.5®, 148 or MCS
Freight Cars	27 or 28 TM
(New) Old Time Freight Cars	NO.5®, 148 or MCS
Heavyweight Pass Cars 6 wheel trucks	505
Streamlined Pass Cars 4 wheel trucks	508
Tavern Lounge or Observation	
Truck Mnt. as above,	Dummy Cuplr End 38
Passenger Car Truck, 6 Wheel Die Cast Metal (After Market)	505

IMWX	
Box Cars.....	NO.5®, 148 or MCS
INTERMOUNTAIN	
DIESEL	
EMD F-7 "A"	26 or 46 Pilot, NO.5® or 148 Rear
EMD F-7 "B"	NO.5®, 148 or MCS
ROLLING STOCK	
All Freight Cars	NO.5®, 148 or MCS
J-C MODELS	
All Passenger Car Kits.....	NO.5®, 148 or MCS
KASINER	
All Passenger Car Kits.....	NO.5®, 148 or MCS
KATO (Japan)	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
DIESEL	
Alco RS-2	33
Alco RSC-2	33
EMD GP-35	NO.5®, 148 or MCS
EMD GP-35 Phase 1A & 1C	NO.5®, 148 or MCS
EMD NW2	27 in 5 Box
EMD SD-40-2	23 rear, 28 w/plow
EMD SD-40-2 "Snoot nose"	23 rear, 28 w/plow
SD-40	NO.5®, 148 or MCS
SD-45	33
SD-45 (New Production).....	NO.5®, 148 or MCS
SD-70 MAC	NO.5®, 148 or MCS
SD-80 MAC	NO.5®, 148 or MCS
SD-90/43 MAC	NO.5®, 148 or MCS
GE C44-9CW (Dash 9)	38
FREIGHT CARS	
Business Car	38
ACF 70 TON Covered Hopper.....	NO.5®, 148 or MCS
KAZAN	
45' Whale Belly Tank Car With Kadee #500 Trucks ..38	
KEN KIDDER (Brass)	
Generic for most equipment	NO.5®, 148 or MCS
0-4-0 Tank.....	38
KEY (Brass)	
See Manufacturers Instructions.....	NO.5®, 148 or MCS
KEYSTONE LOCOMOTIVE WORKS	
Log Buggy	NO.5®, 148 or MCS
Climax Log Car (HON3)	711
(HO)	NO.5®, 148 or MCS
KTM-Katsumi Mokeiten	
Tender (brass)	36
LA BELLE	
All Rolling Stock Kits.....	NO.5®, 148 or MCS
LACONIA	
All Rolling Stock Kits.....	NO.5®, 148 or MCS
LAMBERT ASSOCIATES (Brass)	
See Manufacturers Instructions.....	NO.5®, 148 or MCS
LBF COMPANY	
Other Rolling Stock.....	NO.5®, 148 or MCS
LIFE-LIKE®	
STEAM	
0-4-0 Old Time Tea Kettle	28
0-4-0 Tank (Dockside).....	27
0-4-0 Switcher	27
DIESEL	
EMD F-7 A	Pilot 37, Rear 35 or 27 TM
EMD F-7 B	35 or 27 TM
EMD F-40PH	28 TM
EMD GP-38-2	New 33 BM, Old 28 TM
ROLLING STOCK	
Truck Mounted Freight Cars	27 or 28 TM
Body Mounted Freight Cars.....	NO.5®, 148 or MCS
Passenger Cars	28 TM
Observation (Back End)	26 TM
LIFE-LIKE® PROTO 1000™ SERIES	
Alco DL-109	NO.5®, 148 or MCS
Alco RS-2	NO.5®, 148 or MCS
C-Liner.....	NO.5®, 148 or MCS
ERIE-Built Diesel	NO.5®, 148 or MCS
.....	23/43 Rear For Close Coupling
F-3A	23 regular, 33 close
R-17 Subway Car	NO.5®, 148 or MCS
RDC Locomotive	NO.5®, 148 or MCS
Budd RDC-1	NO.5®, 148 or MCS
ROLLING STOCK	
Freight Cars	NO.5®, 148 or MCS
LIFE-LIKE® PROTO 2000™ "HERITAGE"	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
STEAM	
USRA 0-6-0 Steam Loco	NO.5®, 148 or MCS
USRA 0-8-0 Steam Loco	NO.5®, 148 or MCS
2-8-4 Berkshire	NO.5®, 148 or MCS
2-8-8-2 Mallet	NO.5®, 148 or MCS
LIFE-LIKE® PROTO 2000™ SERIES	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
DIESEL	
Alco FA-1	NO.5®, 148 or MCS
Alco FB-1	NO.5®, 148 or MCS
Alco FA-2	36 or 26 Front, 38 or 28 Rear
Alco FB-2	38 or 28

LIFE-LIKE® PROTO 2000™ SERIES - Continued	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
Alco PA and PB	26 Pilot 23
.....	Ends For Close Coupling 455
Alco S-1	NO.5®, 148 or MCS
EMD BL-2 Diesel	32 or 22
EMD E-6 A & B	23 For Close Coupling 455
EMD E-7 A & B	26 Pilot 23 Ends
EMD E-8/9 A	33 or 453
EMD E-8/9 (New Production)	26 Pilot 23 Ends
.....	For Close Coupling 455
EMD GP-9	NO.5®, 148 or MCS
EMD GP-18	38 or 28
EMD GP-18 (New Production)	NO.5®, 148 or MCS
EMD GP-20	NO.5®, 148 or MCS
EMD GP-30	NO.5®, 148 or MCS
EMD GP-38-2	NO.5®, 148 or MCS
EMD GP-60	NO.5®, 148 or MCS
EMD SD-7	33 or 23 CM
EMD SD-9	33
EMD SD-45	NO.5®, 148 or MCS
EMD SD-60	NO.5®, 148 or MCS
EMD SD-60M	NO.5®, 148 or MCS
EMD SW-600, 8, 900	NO.5®, 148 or MCS
EMD SW-9/1200	NO.5®, 148 or MCS
ROLLING STOCK	
Box Car, 50' DD Auto.....	33, NO.5® or 148
Caboose	38
Other Freight Car Kits.....	NO.5®, 148 or MCS
Factory Assembled Cars (RTR).....	NO.5®, 148 or MCS
LIMA	
STEAM	
2-8-2 Mikado.....	37 Tender
DIESEL	
Alco C-420	38
LINDBERG	
DIESEL	
EMD SW-600	NO.5®, 148 or MCS
ROLLING STOCK	
Freight Cars (Plastic)	NO.5®, 148 or MCS
LIONEL	
STEAM	
4-8-4 GS-4 (Tender only)	37
DIESEL	
EMD F-7 A & B	34 Pilot, 38 Rear
EMD GP-9	?
ROLLING STOCK	
Rolling Stock.....	NO.5®, 148 or MCS
Passenger Cars	24 TM
LMB MODELS (Brass)	
See Manufacturers Instructions.....	NO.5®, 148 or MCS
L & W	
All Rolling Stock Kits.....	NO.5®, 148 or MCS
MAIN LINE	
All Rolling Stock Kits.....	NO.5®, 148 or MCS
MANTUA	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
STEAM	
0-4-0 Booster.....	37
0-4-0 Camelback	37
0-4-0 Switcher	37
0-6-0 Tank Switcher	37
0-6-0 Little Six Switcher.....	37
0-8-0 USRA Switcher	27 Pilot, 37 Tender
2-6-0 Mogul	37
2-6-2 Prairie.....	37
2-6-6-2 Logger	22 Pilot, 28 Rear
2-6-6-2 Mallet	22 Pilot, 28 Rear
2-8-0 Consolidation	37
2-8-2 Mikado (Camelback)	37
2-8-2 Mikado (Old- Pwr. in Tender)	NO.5®, 148 or MCS
2-8-2 Mikado	38
2-8-4 Berkshire	37
4-4-0 American	31 Pilot, 37 Tender
4-4-2 Atlantic	33
4-6-0 Ten Wheeler (Rogers)	
.....	31 Pilot, 37 Tender
4-6-2 Pacific.....	39 Pilot, 37 Tender
4-6-2 Pacific (Newer)	36 Pilot, 37 Tender
4-6-4 Hudson	31 Pilot, 38 Tender
DIESEL	
EMD F-7A & B	28 TM
EMD GP-20	28 TM
ROLLING STOCK	
Water Car (Old Time).....	27
Other Freight Car Kits.....	38
Streamlined Pass. Car (Metal)	28
Passenger Cars, Old Time 1860.....	27

MARKLIN	
Most Marklin Cars and locomotives that have Non-NEM coupler pockets can easily be adapted to use Kadee couplers (mostly 30 series). Contact Kadee with the type of car or locomotive and the Marklin product number.	
NOTE: Most late model RTR European Locos and Rolling Stock come equipped with "NEM" style couplers. Kadee® also offers HO-Scale NEM-362 Couplers in four different lengths.....	
DIESEL	
#83341 (3341) RC 2 SJ Elec Loco (Amtrac)	20
ROLLING STOCK	
#49950 "Goliath" Crane w/Boom & Counter Weight Cars	19
MARKLIN/TRIX	
STEAM	
2-8-2 USRA Mikado.....	33, 58 or 78 Pilot,
.....	17 or 18 Tender
4-8-8-4 Big Boy.....	18
ROLLING STOCK	
All Rolling Stock.....	17
MC KEAN	
ROLLING STOCK	
All Rolling Stock Kits.....	29
MDC-MODEL DIE CASTING CO. (ROUNDHOUSE)	
STEAM	
0-6-0 Yard Hog (Metal)	148 with 213 sleeve
0-6-0 Switcher (Old)	26 Pilot, 148 with 213 sleeve
Tender	
0-6-0 Switcher (New)	26 Pilot, 28 Tender
2-6-0 Mogul (Old)	26 Pilot, 148 with 213 sleeve
Tender	
2-6-0 Mogul (New)	26 Pilot, 28 Tender
2-6-2 Prairie (Old)	26 Pilot, 148 with 213 sleeve
Tender	
2-6-2 Prairie (New)	26 Pilot, 28 Tender
2-8-0 Consolidation (Old)	26 Pilot, 148 with 213 sleeve
Tender	
2-8-0 Consolidation (New).....	26 Pilot, 28 Tender
4-4-2 Atlantic (Old)	26 Pilot, 148 with 213 sleeve
Tender	
4-4-2 Atlantic (New)	26 Pilot, 28 Tender
4-6-0 Ten Wheeler (Old)	26 Pilot, 148 with 213 sleeve
Tender	
4-6-0 Ten Wheeler (New).....	26 Pilot, 28 Tender
Climax.....	NO.5®, 148 or MCS
Shay	27
DIESEL	
Alco RS-3	NO.5®, 148 or MCS
Box Cab Diesel.....	NO.5®, 148 or MCS
EMD Model 40 "Crittter"	38
Track Cleaner	NO.5®, 148 or MCS
ROLLING STOCK	
All Rolling Stock.....	NO.5®, 148 or MCS
All Rolling Stock (old time).....	28
Hopper, Sand (Metal)	148 with 213 sleeve
Ore Car (Older Metal).....	37
Pullman Palace Cars	NO.5®, 148 or MCS
Harriman Passenger Cars	NO.5®, 148 or MCS
Old-Time Passenger Cars 50'	NO.5®, 148 or MCS
MEHANO (See IHC) MICRO-ENGINEERING	
ROLLING STOCK	
All HOH3 Rolling Stock	714
Adapte-Railer.....	NO.5®, 148 or MCS
MODEL POWER	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
STEAM	
0-4-0 Switcher	27
0-4-0 Shifter w/Tender	Pilot 38, Tender 39
2-6-0 Switcher w/Tender.....	33 Pilot, 36 Tender
2-8-0 Consolidation	26 Pilot, NO.5® or 148 Tender
4-6-0 Casey Jones	26 Pilot, NO.5® or 148 Tender
4-6-2 Pacific.....	38 Pilot, 27 Tender
DIESEL	
ALCO 1000 Diesel Switcher.....	19
ALCO C-430	28
ALCO C-628	25
ALCO FA-2 & FB-2	Front 37, Rear 27
ALCO RS-11	33 BM, 29 TM
Baldwin Shark Nose A & B	Front 37, Rear 27
EMD E-7	Front 36, Rear 38
EMD E-8/9	Front 36, Rear 38
EMD F2 A & B	NO.5®, 148 or MCS
EMD F3	NO.5®, 148 or MCS
Porter Hustler	28
ROLLING STOCK	
250 Ton Crane	36 BM
2 Pack Ore Cars	27 TM
32' Wood Caboose	23
Depressed Center Flat Car.....	36
All Freight Cars (Generic).....	NO.5® or 148 BM, 28 TM
Harriman Pass/OB Car	28 TM
Old Time Passenger Car	28 TM
Streamlined Pass. Cars (Tri-Ang)	37
Streamlined Passenger Cars	27 TM

MODEL EXPO (RIVAROSSI)	
All Rolling Stock see Rivarossi	
MRC	
EMD F-7.....	NO.5®, 148 or MCS
MTS IMPORTS (Brass)	
See Manufacturers Instructions.....	
NEW ENGLAND RAIL SERVICE	
All Rolling Stock.....	NO.5®, 148 or MCS
NICKEL PLATE PRODUCTS (Brass)	
See Manufacturers Instructions.....	
NORTHEASTERN	
All Rolling Stock.....	NO.5®, 148 or MCS
NORTHWEST SHORT LINE	
All HO Rolling Stock.....	NO.5®, 148 or MCS
All HO#3 Rolling Stock.....	714
OVERLAND MODELS (Brass)	
See Manufacturers Instructions.....	
PECOS RIVER BRASS (Brass)	
See Manufacturers Instructions.....	
PENN LINE	
Midget Whitcomb Switcher.....	38
See Bowser for Steam Locomotives	
PFM (Brass)	
See Manufacturers Instructions.....	
HO.....	NO.5®, 148 or MCS
HO#3.....	714
PMI (LIMA)	
STEAM	
0-4-0 Switcher.....	27 ?
2-8-2 Mikado.....	38 Pilot, 27 Tender
DIESEL	
ALCO C 420.....	27 TM
EMD FP-45.....	27 with 5 Lid
ROLLING STOCK	
All Freight Cars.....	38
Caboose.....	NO.5®, 148 or MCS
All Passenger Cars.....	27 TM
PRECISION SCALE CO. (BRASS)	
All Products in HO.....	NO.5®, 148 or MCS
All Products in HO#3.....	714
PROTO POWER WEST	
Thrall Container Car.....	NO.5®, 148 or MCS
QUALITY CRAFT MODELS	
All Rolling Stock Kits.....	NO.5®, 148 or MCS
RAIL POWER PRODUCTS	
DIESEL	
EMD 9-44CW.....	38 MFG
EMD CF-7.....	38 MFG
EMD GP60, GP60M, GP60B.....	5 MFG
EMD SD-38, SD-40.....	38 MFG
EMD SD-45, SD-45-2.....	38 MFG
EMD SD-60.....	38 MFG
EMD SD-60M (SD-75M).....	27
EMD SD7/9.....	38 MFG
EMD SD-90Mac.....	NO.5®, 148 or MCS
GE DASH 8-40CW.....	38 MFG
GE DASH 8-40B.....	27
ROLLING STOCK	
Gunderson Well Car.....	NO.5®, 148 or MCS
See Manufacturers Instructions for other Kadee coupler recommendations.	
RAILWORKS (BRASS)	
See Manufacturers Instructions.....	
RAPIDO TRAINS	
Passenger Cars.....	NO.5®, 148 or MCS
RED CABOOSE	
All Rolling Stock.....	NO.5®, 148 or MCS
REVELL	
STEAM	
0-4-0 Switcher.....	33
0-6-0T Switcher.....	33
DIESEL	
EMD SW-7.....	36 Front, 37 Rear
ROLLING STOCK	
All Freight Cars.....	NO.5®, 148 or MCS
RIVAROSSI (Post 1993)	
STEAM	
0-8-0 Switcher.....	38 Pilot, 38 Tender BM
2-6-6-6 Allegheny.....	NO.5®, 148 or MCS
2-8-2 Mikado.....	33
2-8-4 Berkshire.....	34 Pilot, 26 Tender
2-8-4 Berkshire (new production).....	33 Pilot, NO.5® or 148 Tender
Vanderbilt Tender.....	38
Non Vanderbilt Tender.....	27 BM
4-4-0 Amer, Inyo, Reno, Genoa.....	38 Tender
4-6-2 Pacific.....	33 Pilot, Tender NO.5® or 148 BM, 31 TM
4-6-4 Hudson.....	28 Pilot, NO.5® or 148 Tender
4-8-4 UP Northern.....	33 Pilot, 27 Tender
4-6-6-4 Challenger.....	33 Pilot, 27 Tender
4-8-8-2 Cab Forward.....	33 Pilot, 27 Tender
4-8-8-4 Big Boy.....	33 Pilot, 27 Tender
Heisler Two and Three Truck.....	32 BM, 21 TM
Heisler Two and Three Truck (new production).....	32 BM, 31 TM
Heisler (walthers) Two and Three Truck (latest production).....	NO.5®, 148 or MCS

RIVAROSSI (Post 1993) - Continued	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page	
#1.DIESEL	
ALCO C-420.....	NO.5®, 148 or MCS
EMD E 8/9.....	27 Pilot, 24 Rear
ROLLING STOCK	
Snow Plow.....	38 BM
Log Cars.....	NO.5®, 148 or MCS
Log Car Buggie.....	33 TM
Hvywt. Passenger Car, 6 Wheel.....	505
Streamlined Pass. Car, 4 Wheel.....	508
ROCO	
LOCOMOTIVES	
4169B Locomotive.....	19
ROLLING STOCK	
200-Ton Crane.....	31
All Passenger Cars (NEM-362).....	18
NOTE: Most late model RTR European Locos and Rolling Stock come equipped with "NEM" style couplers. Kadee® also offers HO-Scale NEM-362 Couplers in four different lengths.....	
17, 18, 19, & 20	
ROLLER BEARING MODELS	
All Rolling Stock.....	NO.5®, 148 or MCS
ROUNDHOUSE (MDC)	
See MDC-Model Die Casting Co.	
RSO (MEHANO)	
DIESEL	
RSD-12.....	26
SAMHONNGSA (BRASS)	
STEAM	
4-6-2 Pacific.....	4 Pilot, NO.5®, 148 or MCS Tender
SILVER STREAK	
All Rolling Stock.....	NO.5®, 148 or MCS
S. SOHO AND CO. (BRASS)	
See Manufacturers Instructions.....	
STEWARD HOBBIES INC.	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
DIESEL	
ALCO C-628 "Century".....	26 or 46
ALCO C-630 "Century".....	26 or 46
ALCO RS-3.....	NO.5®, 148 or MCS
Baldwin AS-16.....	22
Baldwin VO-1000.....	NO.5®, 148 or MCS
EMD FT A & B (Pilot and Rear of B).....	NO.5®, 148 or MCS
(Between A & B).....	35
EMD F-3 A & B.....	450
EMD F-7 A & B.....	450
EMD F-7 A & B (new production).....	
35 Pilot, 5/58 Rear, close coupling.....	450
EMD F-9 A & B Units.....	
35 Pilot, 5/58 Rear, close coupling.....	450
GE U25B.....	NO.5®, 148 or MCS
ROLLING STOCK	
Rolling Stock.....	NO.5®, 148 or MCS
SUNSET MODELS (Brass)	
See Manufacturers Instructions.....	
SUNSHINE MODELS	
All Rolling Stock Kits.....	NO.5®, 148 or MCS
SUYDAM BRASS (JAPAN) Interurban	
Street Cars.....	26 with 454
SYLVAN	
All Rolling Stock (w/Kadee Trucks).....	NO.5®, 148 or MCS
THREE BROTHERS (HOLGATE REYNOLDS)	
Passenger Cars.....	NO.5®, 148 or MCS
TENSODO (Brass)	
See Manufacturers Instructions.....	
TICHY TRAIN GROUP	
All Rolling Stock.....	NO.5®, 148 or MCS
TIGER VALLEY	
All Diesels.....	NO.5®, 148 or MCS
TRAIN-MASTER	
All Rolling Stock.....	NO.5®, 148 or MCS
TRAIN MINIATURES	
DIESEL	
Alco FA-1.....	36 Pilot, 38 Rear
Alco FB-1.....	38
TRAIN STATION PRODUCTS	
TRU-SCALE	
All Rolling Stock.....	NO.5®, 148 or MCS
TYCO	
STEAM	
0-4-0 Booster.....	37 Pilot, NO.5® or 148 Tender
0-6-0 Little Six.....	37 Pilot, NO.5® or 148 Tender
0-6-0 Big Six.....	37
0-8-0 Chattanooga.....	NO.5® or 148 Pilot, 27 TM Tender
2-6-2 Prairie.....	37
2-8-2 Mikado.....	38
4-4-0 General (Tender only).....	NO.5®, 148 or MCS
4-6-2 Pacific.....	39 Pilot, 37 Tender
DIESEL	
ALCO C-430.....	27 TM
EMD F-9 A & B.....	33 BM and 33 TM
EMD GP-20.....	9
GG-1 Electric.....	26 TM
Plymouth Switcher.....	NO.5®, 148 or MCS

TYCO - Continued	
ROLLING STOCK	
Rolling Stock.....	9
Old.....	
New.....	27 or 28
Streamlined Passenger Cars.....	NO.5®, 148 or MCS
Old Time Passenger Cars.....	9
ULRICH	
All Rolling Stock, Metal.....	148 with 213 sleeve
All Rolling Stock, Wood.....	NO.5®, 148 or MCS
U.S. HOBBIES, INC. (Brass)	
See Manufacturers Instructions.....	
VAN HOBBIES MODELS	
Canadian Models sold by PFM.....	
VARNEY	
STEAM	
0-4-0 Dockside.....	NO.5®, 148 or MCS
2-8-0 Consolidation (Old Lady).....	NO.5®, 148 or MCS
4-6-0 Ten Wheeler (Casey Jones).....	NO.5®, 148 or MCS
4-6-2 Pacific.....	NO.5®, 148 or MCS
DIESEL	
EMD F-3.....	33
EMD F-7 A and B.....	NO.5®, 148 or MCS
EMD SW-1 (NW-1).....	NO.5®, 148 or MCS
ROLLING STOCK	
All Freight Cars (Metal).....	148 with 213 sleeve
All Freight Cars (Plastic).....	NO.5®, 148 or MCS
Ore Car.....	37
WALTHERS	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
DIESEL	
EMD SW-1 Switcher.....	NO.5®, 148 or MCS
FM H 10/12-44.....	NO.5®, 148 or MCS
Sperry Rail Inspection Car.....	38 rear only
ROLLING STOCK	
M.O.W. Difco Dump Car (Metal Chassis).....	28
Jordan Spreader.....	Front 36, Rear NO.5®, 148 or MCS
Other Rolling Stock.....	NO.5®, 148 or MCS
PASSENGER CARS	
Amfleet Passenger Car.....	NO.5®, 148 or MCS
Budd-Built Pass.Cars.....	26 or 46
Horizon Commuter Pass. Car.....	NO.5®, 148 or 454w/36
Superliner Pass. Car.....	NO.5®, 148 or 46 or 454w/38
(454 is for small radius curves)	
WALTHERS TRAINLINE™	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
DIESEL	
Alco FA-1 and FB-1.....	NO.5®, 148 or MCS
EMD F 40PH.....	28
EMD GP-9M.....	28
GE Dash 8-40B.....	NO.5®, 148 or MCS
WALTHERS TRAINLINE™ SET	
Models with factory installed knuckle couplers are not listed below see conversion info on the top of page #1.	
DIESEL	
EMD GP-9M.....	28
ROLLING STOCK	
Box Car.....	29
Caboose, Extended Vision.....	27
Flat Car.....	28
Gondola.....	28
Tank Car.....	22
WESTERFIELD	
All Rolling Stock.....	NO.5®, 148 or MCS
WESTSIDE MODEL CO. (Brass)	
See Manufacturers Instructions.....	
YANKEE CLIPPER MODELS	
All Rolling Stock Kits.....	NO.5®, 148 or MCS
YE OLDE HUFF-N-PUFF	
All HO Rolling Stock Kits.....	NO.5®, 148 or MCS
All HO#3 Rolling Stock Kits.....	714

G-SCALE COUPLER CONVERSION LIST (5-9-14)

The below listings with an asterisk (*) indicates conversions with separate drawings and/or instructions not normally covered in the particular coupler instructions and are available upon request. Most conversions with an asterisk (*) are available on the internet at www.kadee.com/conv/page-c3.htm

Note: If the coupler conversion doesn't have a "New Generation" Type "E" Coupler option listed it is not available. If you would like "New Generation" Type "E" Couplers, you will need to purchase the listed coupler package (in order to have the necessary components for conversion) & then you would need to purchase the appropriate "New Generation" Type "E" Coupler replacement couplers & swap out couplers in original conversion. Use the coupler cross reference chart description or coupler description from Kadee® web site product page to identify the coupler style included in the packaging. The #782 & #783 have modified couplers that are not available in the "New Generation" Type "E" Coupler.

ACCUCRAFT, AMERICAN MODEL SUPPLY (AMS)	
0-4-0 Caradoc.....	905 or 779
0-4-0 Ida.....	905 or 779
0-4-0 Porter..... (Adjust Beam)	905 or 779
0-4-0 Ruby Deluxe.....	905 or 779
0-4-0T Ruby..... (Adjust Beam)	905 or 779
0-6-2 Superior.....	905 or 779
2-4-2 Mimi.....	905 or 779
Shay - Mich. Cal #2.....	905 or 779
Shay - Mich. Cal #5.....	905 or 779
Shay - 13T Open End.....	905 or 779
Plymouth Switcher	
(Front).....	905 or 779
(Rear).....	835
* Freight Cars (Coupler Only).....	835
Rolling Stock	
Large Pocket.....	906 or 830
Small Pocket.....	835
* Disconnect Log.....	908 or 787

ARISTO-CRAFT (REA)	
* 0-4-0 Switcher.....	909 or 831
* 2-4-2 Rogers Loco (Rear Only).....	909 or 831
2-8-0 Consolidation C-16 (Tender Only).....	909 or 831
* 2-8-2 Mikado (Pilot).....	909 or 831
Vanderbilt Tender	
(#1 Scale add .075" shim).....	906 or 830
* Slope Back Tender (#21900 Series).....	909 or 831
2-8-8-2 Mallet	
(Pilot).....	908 or 787
(Tender).....	909 or 831
* 4-6-2 Pacific (Tender Only).....	909 or 831
FA-1 Diesel Loco (First Production).....	793
FB-1 Diesel Loco (First Production).....	792
Lil' Critter.....	788
Center Cab Industrial Switcher.....	788
* E-8.....	906 or 830
* GP-40.....	908 or 787
RDC (Budd RDC-1).....	907 or 789
RS-3 Diesel	
Large Diameter (More than 8 Foot Diameter).....	908 or 787
8 Foot Diameter.....	788
Tight Diameter (Less than 8 Foot Diameter).....	786
* GE Dash 9-44 CW.....	907 or 789
GE U-25 B Locomotive	
Conversion Platform (Coupler not included).....	884
(Use the #830 or #906 Coupler with the 884)	
* SD-45 Diesel Loco.....	908 or 787
Doodle Bug-rail Car	
* (Front).....	908 or 787
* (Rear).....	909 or 831
* Eggliner Locomotive.....	908 or 787
* Rail Bus (Rear Only).....	909 or 831
* Snow Plow.....	788
Rolling Stock.....	909 or 831
Smooth Side Passenger Cars	
(mounted on "top" of extension).....	907 or 789
* Streamline Passenger Car.....	909 or 831
Heavyweight Passenger Car	
Conversion Platform (Coupler not included).....	881
"Flex Bracket" (Coupler not included).....	883
"Flex Bracket with #830 Couplers".....	838

ASTER Steam (Brass)	
K-28 (LGB).....	791

BACHMANN	
* 4-6-0 Big Hauler.....	791
* 2-4-2 Prairie	
Pilot.....	907 or 789
Tender.....	909 or 831
* 2-4-2 Tank Switcher (Spectrum).....	909 or 831
2-8-0 Consolidation.....	781
4-6-0 Ten Wheelers.....	791
* 0-4-0 Porter.....	796
2-6-0 Mogul (Tender Only).....	837
* 4-4-0 Centennial (Tender Only).....	837
Climax.....	782
* Heisler.....	835
Shay (New & Old Production)	
* Large Diameter (8 Foot Diameter & Larger)	
(Front).....	907 or 789
(Rear).....	835
* Small Diameter (Less than 8 Foot Diameter).....	909 or 831
* 45 Ton Diesel Switcher.....	835
* Side Dump Ore Car (All Plastic).....	907 or 789
Log Car (B).....	907 or 789
20' Rolling Stock.....	908 or 787
Other Rolling Stock - to date.....	909 or 831

BACHMANN SPECTRUM®	
2-4-4 Forney.....	916
2-6-6-2 Baldwin Articulated.....	916
1:20.3 Narrow Gauge Rolling Stock.....	916

CHARLES RO	
Rolling Stock.....	909 or 831

DEPOT G	
Rolling Stock.....	909 or 831

DELTON	
2-8-0 C-16 Locomotive (Tender Only).....	909 or 831
Rolling Stock.....	909 or 831

HARTLAND LOCOMOTIVE WORKS	
Big John.....	784
* Mack Switcher.....	905 or 779
Sparky Switcher.....	905 or 779
* 0-4-0 Loco and Tender.....	832
* Dutchess 2-4-0 (Tender Only).....	909 or 831
* Princess 2-4-4 Forney (Tender Only).....	909 or 831
4-4-0 American (Tender Only).....	909 or 831
* Rolling Stock.....	909 or 831

KALAMAZOO	
* 0-4-0 Loco #27 and #54.....	832
4-4-0 American (Tender Only).....	909 or 831
Freight Cars.....	909 or 831
Passenger Cars	
(Small Diameter) (Less than 8 Foot Diameter).....	797
(Larger Diameter) (8 Foot Diameter & Larger).....	834

LGB	
STEAM	
0-4-0 Small Steam	
(20100, 20101, 20200, 21211, 20761, 20750?, 21761, 22212, 23211).....	832
* 0-4-0 Industrial Loco (Field Rwy)	
(20140, 21140, 22140, 23140).....	909 or 831
0-4-0 With Drive Tender (20151, 21151).....	796
0-4-0 Old West w/Cow Catcher (Tender Only)	
(20171, 22171).....	909 or 831
* 0-4-0 Porter (LEHMANN) (21771, 22771).....	835
0-4-2 Chloe (Rear Only) (20130, 22130).....	909 or 831
0-6-2 Series "U"	
(20701, 20711, 21701, 21711, 22701, 20731, 23701).....	796
0-6-6-0 CC Mallet Tank	
(20851, 23851, 22852, 25851).....	832
2-4-0 (20232, 21232)(Pilot ? Tender only).....	909 or 831
2-6-0 Mogul W/Coupler pilot	
(20192, 21190, 22184, 22192, 23191, 24194, 25182, 25192, 25194, 26192, 27192, 29192).....	791
2-6-0 Mogul "Bear Trap" w/Plow	
(23192, 25192, 26182, 27182).....	909 or 831
2-6-0 Mogul Draw Bar Pilot (Tender Only)	
(20281, 21181, 22182, 23182, 24182).....	909 or 831
2-6-0 Spreewald (21741, 22741).....	909 or 831
2-6-2 Tank	
(20801, 20802, 21802, 22801, 23802, 24801).....	799
Forney (20251, 20252, 21251, 21252, 23252).....	790
2-6-6-2 Mallet Sumpter Valley	
(20892, 21892).....	783
2-6-6-0 Mallet Utah Rwy Co.	
(20882, 21881).....	783
2-8-2 Mikado (European Style)	
(22871, 22872).....	(?) 909 or 831
2-8-2 Mikado	
(20872, 21872, 23872, 24872, 25872).....	(?) 791

DIESEL	
* F-7 All "A" & "B" Units.....	909 or 831
Alco DL 535E	
(20550, 21552, 20560, 21562, 22552, 22560, 22562, 23560, 24552).....	909 or 831
DB Diesel loco	
(21510, 22512, 23510, 24512).....	909 or 831
Diesel Switcher	
(20630 D&RGV), (22630 SVR), (23630 PRR).....	909 or 831
* Genesis (20490).....	909 or 831
Switcher (20604, 20610, 22604, 23600).....	832
Industrial Switcher (20620, 21620).....	832
Kleinlok Switcher (20900, 21900).....	832
Track Cleaning Loco (20670).....	832
Track Maintenance and Fire Dept	
(20330, 22330).....	832
* Rail Truck (20680, 21680, 22680, 23680).....	835
Diesel Snow Plow (25604).....	832

TRAKTOR	
Traktor Locos (20410, 27410).....	832
ELECTRIC	
Electric Loco Switcher	
(20300, 21300, 22300).....	832
GE6/6 RhB "Crocodile"	
(20400, 21400, 22400, 24402).....	832
GE2/4 Slant Rod Passenger	
(20440, 20450, 21440, 21450).....	799
Tractor Locos (20410, 27410).....	832
ROLLING STOCK	
2 Axle Cars.....	833
4 Axle Cars.....	909 or 831
* Field Railroad Cars (& similar short cars).....	909 or 831
* Disconnect Log Car.....	909 or 831
#30410, 3530, 40430 Through 40470.....	798
Passenger Cars (Small Diameter).....	797

LIONEL	
0-4-0 Loco-Frontier Freight	
Thunder Mountain Express Great Northern.....	795
0-6-0 Gold Rush Special	
Disney Magic Express (Rear Only).....	795
4-4-2 Loco and Tender.....	794
GP-20 Diesel.....	908 or 787
Rolling Stock.....	909 or 831

MODEL DIE CASTING (MDC)	
Little Hustler.....	909 or 831
* Big Hustler.....	835
Rolling Stock.....	909 or 831

PIKO	
Rolling Stock.....	909 or 831

USA TRAINS	
4-6-4 Hudson Steam	
(Tender only).....	906 or 830
* 44 Ton Loco.....	909 or 831
20 Ton Loco.....	785
* F-3 "A" & "B" Units	
(two options, instructions available) (Pilot).....	908 or 787
* (Pedestal).....	909 or 831
* (Platform).....	906 or 830
* GG-1.....	835
GP-7.....	785
GP-9.....	785
GP-30.....	909 or 831
* (Closer more secure coupling).....	908 or 787
GP-38-2.....	785
* S-4.....	908 or 787
* SD-40-2.....	837
* SD-70 MAC	
NW-2	
Large Diameter (8 Foot Diameter & Larger).....	908 or 787
* Small Diameter (Less than 8 Foot Diameter).....	909 or 831
Rolling Stock.....	909 or 831
Ultimate Series	
* Extruded Aluminum Passenger Car	
.....	906 or 830
* Modern Tank Car.....	906 or 830
* 4 Bay Center Flow Hopper.....	906 or 830
60' Box Car Cushion Underframe.....	906 or 830
Freight Cars - With Body Mounts.....	906 or 830

DIMENSIONS OF G-SCALE BODY MOUNTED GEAR BOXES	
#910.....	1 21/32" long x 1 5/32" wide x 13/32" high
#911.....	1 7/32" long x 25/32" wide x 3/8" high
#912.....	9/16" long x 13/16" wide x 3/8" high

DIMENSIONS OF G-SCALE STATIONARY SHANK COUPLERS	
#904.....	1" long x 1/4" wide x 3/16" high

#1-SCALE COUPLER CONVERSION LIST (5-9-14)

The below listings with an asterisk (*) indicates conversions with separate drawings and/or instructions not normally covered in the particular coupler instructions and are available upon request. Most conversions with an asterisk (*) are available on the internet at www.kadee.com/conv/page-c3.htm

Note: If the coupler conversion doesn't have a "New Generation" Type "E" Coupler option listed it is not available. If you would like "New Generation" Type "E" Couplers, you will need to purchase the listed coupler package (in order to have the necessary components for conversion) & then you would need to purchase the appropriate "New Generation" Type "E" Coupler replacement couplers & swap out couplers in original conversion. Use the coupler cross reference chart description or coupler description from Kadee® web site product page to identify the coupler style included in the packaging. The #1782 & #1783 have modified couplers that are not available in the "New Generation" Type "E" Coupler.

ACCUCRAFT, AMERICAN MODEL SUPPLY (AMS)

0-4-0 Caradoc	1905 or 1779
0-4-0 Ida	1905 or 1779
0-4-0 Porter	(Adjust Beam) 1905 or 1779
0-4-0 Ruby Deluxe	1905 or 1779
0-4-0T Ruby	(Adjust Beam) 1905 or 1779
0-6-2 Superior	1905 or 1779
2-4-2 Mimi	1905 or 1779
4-8-8-4 Big Boy 1:32 (Tender Only)	1904 or 822
Shay - Mich. Cal #2	1905 or 1779
Shay - Mich. Cal #5	1905 or 1779
Shay - 13T Open End	1905 or 1779
Plymouth Switcher	1905 or 1779
* Freight Cars (Coupler Only)	1835

Rolling Stock

Large Pocket (with shim)	1906 or 820
Small Pocket	1835
* Disconnect Log (Link & Pin Pocket)	921

ARISTO-CRAFT (REA)

* 0-4-0 Switcher	1909 or 1831
* 2-4-2 Rogers Loco (Rear Only)	1909 or 1831
* 2-8-0 Consolidation C-16 (Tender Only)	1909 or 1831
* 2-8-2 Mikado (Pilot)	1909 or 1831
Vanderbilt Tender	
(#1 Scale add .075" shim)	1906 or 820
* Slope Back Tender (#21900 Series)	1909 or 1831
2-8-8-2 Mallet	
(Pilot)	1908 or 1787
(Tender)	1909 or 1831
* 4-6-2 Pacific (Tender Only)	1909 or 1831
FA-1 Diesel Loco (First Production)	1793
FB-1 Diesel Loco (First Production)	1792
Lil' Critter	1788
Center Cab Industrial Switcher	1788
* E-8	1906 or 820
* GP-40	1908 or 1787
RDC (Budd RDC-1)	1789
RS-3 Diesel	
Large Diameter (More than 8 Foot Diameter)	1908 or 1787
8 Foot Diameter	1788
Tight Diameter (Less than 8 Foot Diameter)	1786
* GE Dash 9-44 CW	1789
GE U-25 B Locomotive	
Conversion Platform (Coupler not included)	884
(Use the #820 or #1906 Coupler with the 884)	
* SD-45 Diesel Loco	1908 or 1787
Doodle Bug-rail Car	
(Front)	1908 or 1787
* Rear	1909 or 1831
* Eggliner Locomotive	1908 or 1787
* Rail Bus (Rear Only)	1909 or 1831
* Snow Plow	1788
Rolling Stock	1909 or 1831
Smooth Side Passenger Cars	
(mounted on "top" of extension)	1789
* Streamline Passenger Car	1909 or 1831
Heavyweight Passenger Car	
Conversion Platform (Coupler not included)	881
"Flex Bracket" (Coupler not included)	882
"Flex Bracket with #820 Couplers"	819

ASTER Steam (Brass)

Hudson, New York Central (B)	827
K-28 (LGB)	1791
Caboose (B)	824

BACHMANN

* 4-6-0 Big Hauler	1791
* 2-4-2 Prairie	
Pilot	1789
Tender	1909 or 1831
* 2-4-2 Tank Switcher (Spectrum)	1909 or 1831
2-8-0 Consolidation	1781
4-6-0 Ten Wheelers	1791
* 0-4-0 Porter	1796
2-6-0 Mogul (Tender Only)	1837
* 4-4-0 Centennial (Tender Only)	1837
Climax	1782
* Heisler	1835
Shay (New & Old Production)	
Large Diameter (8 Foot Diameter & Larger)	
(Front)	1789
(Rear)	1835
* Small Diameter (Less than 8 Foot Diameter)	1909 or 1831
* 45 Ton Diesel Switcher	1835
* Side Dump Ore Car (All Plastic)	1789
Log Car (B) (#920 is the same color as the car)	1906 or 820
20' Rolling Stock	1908 or 1787
Other Rolling Stock - to date	1909 or 1831

BACHMANN SPECTRUM®

2-4-4 Forney	1916
2-6-6-2 Baldwin Articulated	1916
1:20.3 Narrow Gauge Rolling Stock	1916

CHARLES RO

Rolling Stock	1909 or 1831
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DEPOT G

Rolling Stock	1909 or 1831
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DELTON

2-8-0 C-16 Locomotive (Tender Only)	1909 or 1831
Rolling Stock	1909 or 1831

HARTLAND LOCOMOTIVE WORKS

Big John	1784
* Mack Switcher	1905 or 1779
Sparky Switcher	1905 or 1779
* 0-4-0 Loco and Tender	1832
* Dutchess 2-4-0 (Tender Only)	1909 or 1831
* Princess 2-4-4 Forney (Tender Only)	1909 or 1831
4-4-0 American (Tender Only)	1909 or 1831
* Rolling Stock	1909 or 1831

KALAMAZOO

* 0-4-0 Loco #27 and #54	1832
4-4-0 American (Tender Only)	1909 or 1831
Freight Cars	1909 or 1831
Passenger Cars	
(Small Diameter) (Less than 8 Foot Diameter)	1797
(Larger Diameter) (8 Foot Diameter & Larger)	1834

J & M MODELS

Freight Cars	1906 or 820
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LGB

STEAM

0-4-0 Small Steam	
(20100, 20101, 20200, 21211, 20761, 20750?, 21761, 22212, 23211)	1832
* 0-4-0 Industrial Loco (Field Rwy)	
(20140, 21140, 22140, 23140)	1909 or 1831
0-4-0 With Drive Tender (20151, 21151)	1796
0-4-0 Old West w/Cow Catcher (Tender Only)	
(20171, 22171)	1909 or 1831
* 0-4-0 Porter (LEHMANN) (21771, 22771)	1835
0-4-2 Chloe (Rear Only) (20130, 22130)	1909 or 1831
0-6-2 Series "U"	
(20701, 20711, 21701, 21711, 22701, 20731, 23701)	1796
0-6-6-0 CC Mallet Tank	
(20851, 23851, 22852, 25851)	1832
2-4-0 (20232, 21232) (Pilot ? Tender only)	1909 or 1831
2-6-0 Mogul W/Coupler pilot	
(20192, 21190, 22184, 22192, 23191, 24194, 25182, 25192, 25194, 26192, 27192, 29192)	1791
2-6-0 Mogul "Bear Trap" w/Plow	
(23192, 25192, 26182, 27182)	1909 or 1831
2-6-0 Mogul Draw Bar Pilot (Tender Only)	
(20281, 21181, 22182, 23182, 24182)	1909 or 1831
2-6-0 Spreewald (21741, 22741)	1909 or 1831
2-6-2 Tank	
(20801, 20802, 21802, 22801, 23802, 24801)	1799
Forney (20251, 20252, 21251, 21252, 23252)	1790
2-6-6-2 Mallet Sumpter Valley	
(20892, 21892)	1783
2-6-6-0 Mallet Unitah Rwy Co.	
(20882, 21881)	1783
2-8-2 Mikado (European Style)	
(22871, 22872)	(?) 1909 or 1831
2-8-2 Mikado	
(20872, 21872, 23872, 24872, 25872)	(?) 1791
DIESEL	
* F-7 All "A" & "B" Units	1909 or 1831
Alco DL 535E	
(20550, 21552, 20560, 21562, 22552, 22560, 22562, 23560, 24552)	1909 or 1831
DB Diesel loco	
(21510, 22512, 23510, 24512)	1909 or 1831
Diesel Switcher	
(20630 D&RGW), (22630 SVR), (23630 PRR)	1909 or 1831
* Genesis (20490)	1909 or 1831
Switcher (20604, 20610, 22604, 23600)	1832
Industrial Switcher (20620, 21620)	1832
Kleinlok Switcher (20900, 21900)	1832
Track Cleaning Loco (20670)	1832
Track Maintenance and Fire Dept	
(20330, 22330)	1832

* Rail Truck (20680, 21680, 22680, 23680)	1835
Diesel Snow Plow (25604)	1832
ELECTRIC	
Electric Loco Switcher	
(20300, 21300, 22300)	1832
GE6/6 RhB "Crocodile"	
(20400, 21400, 22400, 24402)	1832
GE2/4 Slant Rod Passenger	
(20440, 20450, 21440, 21450)	1799
ROLLING STOCK	
2 Axle Cars	1833
4 Axle Cars	1909 or 1831
* Field Railroad Cars (& similar short cars)	1909 or 1831
* Disconnect Log Car	1909 or 1831
#30410, 3530, 40430 Through 40470	1798
Passenger Cars (Small Diameter)	1797

LIONEL

0-4-0 Loco-Frontier Freight	
Thunder Mountain Express Great Northern	1795
0-6-0 Gold Rush Special	
Disney Magic Express (Rear Only)	1795
4-4-2 Loco and Tender	1794
GP-20 Diesel	1908 or 1787
Rolling Stock	1909 or 1831

MARKLN #1 Scale

* Low Side Car	1789
* American Passenger Car	
"Flex Bracket" (Coupler not included)	882
"Flex Bracket with #820 Couplers"	819

MODEL DIE CASTING (MDC)

Little Hustler	1909 or 1831
* Big Hustler	1835
Rolling Stock	1909 or 1831

MIKE'S TRAIN HOUSE (MTH)

All Locomotives & Rolling Stock	1906 or 820
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PIKO

Rolling Stock	1909 or 1831
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PRECISION SCALE CO. / IRON HORSE (PSC)

Gondolas, Boxcars and Tank Cars	1906 or 820
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SAMHONGSA

Hopper Car	1904 or 822
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USA TRAINS

4-6-4 Hudson Steam	
(Tender only) (add .075" shim)	1906 or 820
* 44 Ton Loco	1909 or 1831
20 Ton Loco	1785
* F-3 "A" & "B" Units	
(Two options, instructions available) (Pilot)	1908 or 1787
* (Pedestal)	1909 or 1831
* (Platform)	1906 or 820
* GG-1	1835
GP-7	1785
GP-9	1785
GP-30	1909 or 1831
* (Closer more secure coupling)	1908 or 1787
GP-38-2	1785
* S-4	1908 or 1787
* SD-40-2	1837
* SD-70 MAC	1836
NW-2	
Large Diameter (8 Foot Diameter & Larger)	1908 or 1787
* Small Diameter (Less than 8 Foot Diameter)	1909 or 1831
Rolling Stock	1909 or 1831
Ultimate Series	
* Extruded Aluminum Passenger Car	1906 or 820
* Modern Tank Car	1906 or 820
* 4 Bay Center Flow Hopper	1906 or 820
Freight Cars - With Body Mounts	
(Use .075" Thick Shim)	1906 or 820

DIMENSIONS OF #1-SCALE BODY MOUNTED GEAR BOXES

#1920	1 1/4" long x 7/8" wide x 5/16" high
#821	17/32" long x 5/8" wide x 9/32" high
#911	1 7/32" long x 25/32" wide x 3/8" high
#912	9/16" long x 13/16" wide x 3/8" high

DIMENSIONS OF #1-SCALE STATIONARY SHANK COUPLERS

#822, 1904	1" long x 1/4" wide x 3/16" high
#823	1" long x 1/4" wide x 5/16" high

Note: Kadee®-RC Couplers can only be body mounted and require a #11110 Receiver Kit.

(1-07-13)

ACCUCRAFT, AMERICAN MODEL SUPPLY (AMS)

Rolling Stock

Large Pocket..... 11115 or 11220

ARISTO-CRAFT (REA)

* 0-4-0 Switcher 11220
 * 2-4-2 Rogers Loco (Rear Only) 11220
 * 2-8-0 Consolidation C-16 (Tender Only) 11220
 * 2-8-2 Mikado (Pilot) 11220
 Vanderbilt Tender
 (#1 Scale add .075" shim) 11220
 * Slope Back Tender (#21900 Series) 11220
 2-8-8-2 Mallet
 (Tender) 11220
 * 4-6-2 Pacific (Tender Only) 11220
 * E-8 11220
 Doodle Bug-rail Car
 * Rear 11220
 * Rail Bus (Rear Only) 11220
 * Snow Plow 11220
 Rolling Stock 11115 or 11220
 Smooth Side Passenger Cars
 (mounted on "top" of extension) 11220
 * Streamline Passenger Car 11220
 Heavyweight Passenger Car
 Conversion Platform (Coupler not included) 11220
 "Flex Bracket" (Coupler not included) 11220
 "Flex Bracket with #830 Couplers" 11220

BACHMANN

* 2-4-2 Prairie
 Tender 11220
 20 Footer 11220
 Rolling Stock 11115 or 11220

CHARLES RO

Rolling Stock..... 11115 or 11220

DEPOT G

Rolling Stock..... 11115 or 11220

DELTON

Rolling Stock..... 11115 or 11220

HARTLAND LOCOMOTIVE WORKS

* Dutchess 2-4-0 (Tender Only) 11220
 * Princess 2-4-4 Forney (Tender Only) 11220
 4-4-0 American (Tender Only) 11220
 * Rolling Stock 11115 or 11220

KALAMAZOO

4-4-0 American (Tender Only) 11220
 Freight Cars 11115 or 11220
 Passenger Cars
 (Small Diameter) (Less than 8 Foot Diameter) 11220
 (Larger Diameter) (8 Foot Diameter & Larger) 11220

LGB

STEAM

0-4-0 Old West w/Cow Catcher (Tender Only)
 (20171, 22171) 11220
 0-4-2 Chloe (Rear Only) (20130, 22130) 11220
 2-4-0 (20232, 21232)(Pilot ? Tender only) 11220
 2-6-0 Mogul "Bear Trap" w/Plow
 (23192, 25192, 26182, 27182) 11220
 2-6-0 Mogul Draw Bar Pilot (Tender Only)
 (20281, 21181, 22182, 23182, 24182) 11220

ROLLING STOCK

2 Axle Cars 11115 or 11220
 4 Axle Cars 11115 or 11220
 * Field Railroad Cars (& similar short cars) 11220
 * Disconnect Log Car 11220

LIONEL

Rolling Stock..... 11115 or 11220

MODEL DIE CASTING (MDC)

Rolling Stock..... 11115 or 11220

USA TRAINS

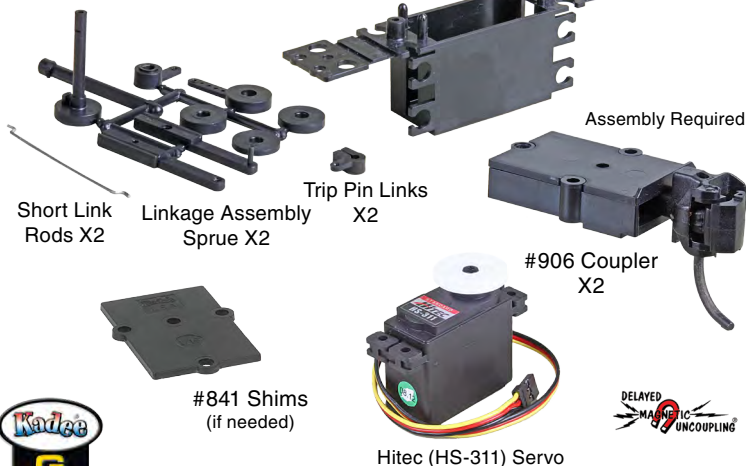
4-6-4 Hudson Steam
 (Tender only) 11220
 * F-3 "A" & "B" Units
 * (Platform) 11220
 Rolling Stock 11115 or 11220
Ultimate Series
 * Extruded Aluminum Passenger Car 11220
 * Modern Tank Car 11220
 * 4 Bay Center Flow Hopper 11220
 60' Box Car Cushion Underframe 11220
 Freight Cars - With Body Mounts 11115 or 11220

#11115 Body Mount Coupler Kit

Long Link Rod, Mounting Screws &
 Miscellaneous Hardware not shown.

Standard Vertical
 Servo Tray

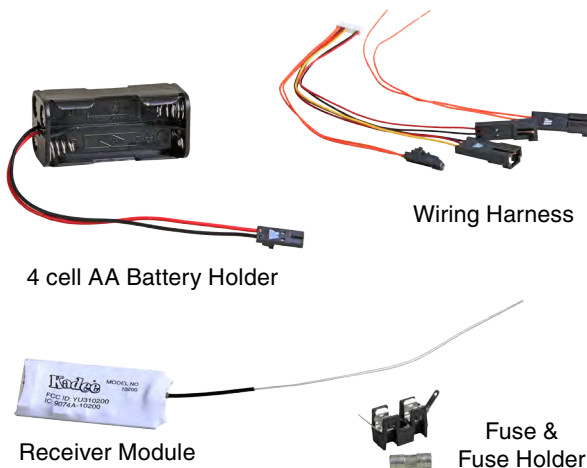
Assembly Required



#11115 Body Mount Coupler Kit

Patent Number 7,810,660 B1 & Patent Pending

#11110 Receiver Kit



Features:

- Receiver with On-board 250mA Relay
- Accommodates Standard Hobby Servos

Patent Pending

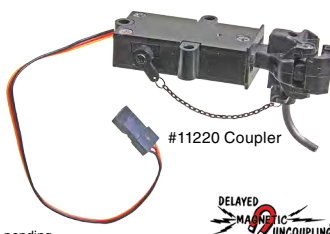
Actuated Body Mount Coupler with Gearbox #11220 G-Scale

(assembled)

Easy Installation



Patent Number 7,810,660 B1 & Patent pending



VISIT FOR MORE INFORMATION
www.RemoteUncoupling.com



KADEE®-RC #1-SCALE COUPLER CONVERSION LIST

Note: Kadee®-RC Couplers can only be body mounted and require a #11110 Receiver Kit.

(1-07-13)

ACCUCRAFT, AMERICAN MODEL SUPPLY (AMS)	
Rolling Stock	
Large Pocket.....	11221
ARISTO-CRAFT (REA)	
* 0-4-0 Switcher	11221
* 2-4-2 Rogers Loco (Rear Only)	11221
2-8-0 Consolidation C-16 (Tender Only).....	11221
* 2-8-2 Mikado (Pilot)	11221
Vanderbilt Tender	
(#1 Scale add .075" shim)	11221
* Slope Back Tender (#21900 Series).....	11221
2-8-8-2 Mallet	
(Tender)	11221
* 4-6-2 Pacific (Tender Only)	11221
* E-8.....	11221
Doodle Bug-rail Car	
* Rear.....	11221
* Rail Bus (Rear Only)	11221
* Snow Plow	11221
Rolling Stock.....	11221
Smooth Side Passenger Cars	
(mounted on "top" of extension)	11221
* Streamline Passenger Car	11221
Heavyweight Passenger Car	
Conversion Platform (Coupler not included)	11221
"Flex Bracket" (Coupler not included)	11221
"Flex Bracket with #830 Couplers".....	11221
BACHMANN	
* 2-4-2 Prairie	
Tender	11221
20 Footer	11221
Rolling Stock.....	11221
CHARLES RO	
Rolling Stock.....	11221
DEPOT G	
Rolling Stock.....	11221

DELTON	
Rolling Stock.....	11221
HARTLAND LOCOMOTIVE WORKS	
* Dutchess 2-4-0 (Tender Only)	11221
* Princess 2-4-4 Forney (Tender Only).....	11221
4-4-0 American (Tender Only).....	11221
* Rolling Stock.....	11221
KALAMAZOO	
4-4-0 American (Tender Only)	11221
Freight Cars	11221
Passenger Cars	
(Small Diameter) (Less than 8 Foot Diameter)	11221
(Larger Diameter) (8 Foot Diameter & Larger)	11221
LGB	
STEAM	
0-4-0 Old West w/Cow Catcher (Tender Only)	
(20171, 22171)	11221
0-4-2 Chloe (Rear Only) (20130, 22130)	11221
2-4-0 (20232, 21232)(Pilot ? Tender only).....	11221
2-6-0 Mogul "Bear Trap" w/Plow	
(23192, 25192, 26182, 27182).....	11221
2-6-0 Mogul Draw Bar Pilot (Tender Only)	
(20281, 21181, 22182, 23182, 24182).....	11221
ROLLING STOCK	
2 Axle Cars	11221
4 Axle Cars	11221
* Field Railroad Cars (& similar short cars)	11221
* Disconnect Log Car	11221
LIONEL	
Rolling Stock.....	11221
MODEL DIE CASTING (MDC)	
Rolling Stock.....	11221

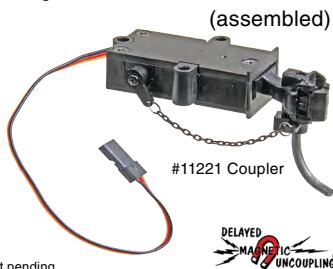
USA TRAINS	
4-6-4 Hudson Steam	
(Tender only)	11221
* F-3 "A" & "B" Units	
* (Platform).....	11221
Rolling Stock.....	11221
Ultimate Series	
* Extruded Aluminum Passenger Car.....	11221
* Modern Tank Car	11221
* 4 Bay Center Flow Hopper	11221
60' Box Car Cushion Underframe	11221
Freight Cars - With Body Mounts.....	11221

Actuated Body Mount Coupler with Gearbox #11221 #1-Scale

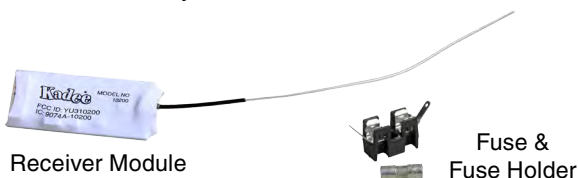
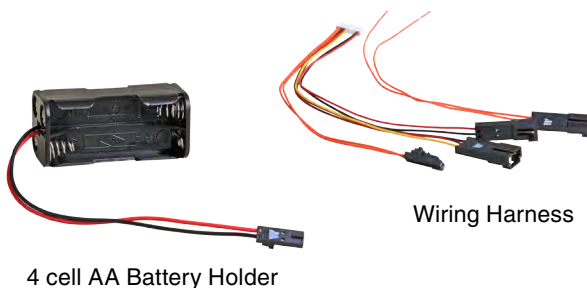
Easy Installation



Patent Number 7,810,660 B1 & Patent pending



#11110 Receiver Kit



Features:

- Receiver with On-board 250mA Relay
 - Accommodates Standard Hobby Servos
- Patent Pending

VISIT FOR MORE INFORMATION
www.RemoteUncoupling.com



Kadee® Quality Products Co. • 673 Avenue C • White City, OR 97503-1078

Tel: 541-826-3883 • Fax: 541-826-4013 • mail@kadee.com • www.kadee.com
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PRICE LIST & ORDER FORM

PRODUCT #	QUANTITY	PRODUCT #	QUANTITY	PRODUCT #	QUANTITY	PRODUCT #	QUANTITY

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All Kadee® products are guaranteed to be free of defects in workmanship or materials for 1 Year. Product defects arising from improper usage, shipping by sources other than Kadee® or abuse will not be honored. Cosmetic or environmental defects will not be honored. All returns must be authorized prior to return. Returns are shipped at the full expense of the customer unless prior arrangements have been made. Return defective materials directly to us for replacement or repair. Be sure to package items carefully as we cannot replace parts damaged in transit, nor parts that are determined to be damaged due to misuse or abuse. Subject to change without notice.

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KADEE'S PRICE LIST KEY CODE

+ Retail item, no discount.

* Dealer discount item.

*Second tier pricing.

(WSL) While Supplies Last

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Kadee® Quality Products

Made In the USA

Since 1946

HO-Scale			
Bulk Pack Magne-Matic® Couplers - without draft gear boxes			
10*	NO.5® Bulk Pack	10pr.	15.82
11*	NO.5® Bulk Pack	20pr.	27.95
12*	#58 "Scale" Bulk Pack	20pr.	32.55
14*	#148 Whisker® Bulk Pack	25pr.	43.15
118-25*	#118 "SF" Whisker® Bulk Pack	25pr.	46.25
119-25*	#119 "SE" Whisker® Bulk Pack	25pr.	46.25
140*	#148 Whisker® Bulk Pack	50pr.	85.85
150*	#158 "Scale" Whisker® Bulk Pack	25pr.	45.35
151*	#158 "Scale" Whisker® Bulk Pack	50pr.	88.00
153-25*	#153 "Scale" Whisker® Bulk Pack	25pr.	46.25
156-25*	#156 "Scale" Whisker® Bulk Pack	25pr.	46.25
HO-Scale 140-Series Metal Whisker® Magne-Matic® Couplers & Insulated #242 Gear Box			
141*	Long (25/64") underset shank	2pr.	4.27
142*	Medium (9/32") overset shank	2pr.	4.27
143*	Short (1/4") center set shank	2pr.	4.27
144*	Short (1/4") underset shank	2pr.	4.27
145*	Short (1/4") overset shank	2pr.	4.27
146*	Long (25/64") center set shank	2pr.	4.27
147*	Medium (9/32") underset shank	2pr.	4.27
148*	Medium (9/32") center set shank	2pr.	4.27
149*	Long (25/64") overset shank	2pr.	4.27
HO-Scale "Scale" Metal Whisker® Magne-Matic® Couplers & Insulated #242 Gear Box			
153*	Short (1/4") center set shank	2pr.	4.27
156*	Long (25/64") center set shank	2pr.	4.27
158*	Medium (9/32") center set shank	2pr.	4.27
178*	#158 "Scale" Whisker® Coupler & "Scale" Draft Gear Box Medium (9/32") center set shank	2pr.	5.35
HO-Scale Metal Whisker® Magne-Matic® Couplers			
3*	Assembled #148 Whisker® Coupler Medium (9/32") center set shank	2pr.	6.26
115*	Kadee® Log Car Whisker® Coupler & Draft Gear Box	2pr.	4.15
118*	"SF" Shelf Whisker® Coupler Medium (19/64") center set shank	2pr.	4.26
119*	"SE" Shelf Whisker® Coupler Medium (19/64") center set shank	2pr.	4.26
451*	Extended Swing Gearbox & Whisker® Coupler Medium (9/32") center set shank	1pr.	6.95
HO-Scale Standard Magne-Matic® Couplers			
5	NO.5® Metal Coupler Medium (9/32") center set shank	2pr.	4.05
9	Early Tyco® Truck Mount Metal Coupler Medium (9/32") center set shank	2pr.	4.15
58*	"Scale" Metal Coupler Medium (9/32") center set shank	2pr.	4.05
450*	Stewart F-Unit locomotive Conversion	1pr.	6.10
452*	Bachmann-Plus F7 Conversion	(WSL) 1pr.	7.29
454*	Swing Bracket Adaptor Kit	1set	8.37
455*	Lifelike Proto - 2000 E-6, E-7 "A" & "B" units, PA/PB Loco Close Coupling Conversion	1set	10.75
505	For AHM (Rivarossi) 6-wheel (Bolsters)	1pr.	4.27
507	For Central Valley 6-wheel (Bolsters)	(WSL) 1pr.	4.27
508	For AHM (Rivarossi) 4 wheel (Bolsters)	1pr.	4.27
711	3/4 size old time coupler (black)	2pr.	3.67
712*	3/4 size old time coupler (rust)	2pr.	3.67
2100*	PS-1 "Scale" Coupler Retrofit / Replacement	1pr.	7.80

HO-Scale 20-Series Couplers			
21*	Long (25/64") underset shank	2pr.	4.59
22*	Medium (9/32") overset shank	2pr.	4.59
23*	Short (1/4") center set shank	2pr.	4.59
24*	Short (1/4") underset shank	2pr.	4.59
25*	Short (1/4") overset shank	2pr.	4.59
26	Long (25/64") center set shank	2pr.	4.59
27	Medium (9/32") underset shank	2pr.	4.59
28	Medium (19/64") center set shank	2pr.	4.59
29*	Long (25/64") overset shank	2pr.	4.59
HO-Scale 30-Series Couplers			
31*	Long (25/64") underset shank	2pr.	4.05
32*	Medium (9/32") overset shank	2pr.	4.05
33*	Short (1/4") center set shank	2pr.	4.05
34*	Short (1/4") underset shank	2pr.	4.05
35*	Short (1/4") overset shank	2pr.	4.05
36*	Long (25/64") center set shank	2pr.	4.05
37*	Medium (9/32") underset shank	2pr.	4.05
38*	Medium (19/64") center set shank	2pr.	4.05
39*	Long (25/64") overset shank	2pr.	4.05
HO-Scale 40-Series "Metal" Couplers & Insulated #234 Gear Box			
While Supplies Last! - Items will be Discontinued!			
45*	Short (1/4") overset shank (Buy 1 get 1 Free)	(WSL) 2pr.	3.00
HO-Scale European Style Couplers - NEM 362			
17*	Very Short 7.11 mm (.280 inch)	2pr.	4.86
18*	Short 8.63 mm (.340 inch)	2pr.	4.86
19*	Medium Long 10.76 mm (.424 inch)	2pr.	4.86
20*	Long 11.68 mm (.460 inch)	2pr.	4.86
HO-Scale Magne-Matic® Coupler Test Kits			
13*	Coupler Sample Test Kit		32.35
1030*	HO-Scale Starter Kit		52.83
HO-Scale Uncouplers			
308	"Delayed" Under-the-Track Uncoupler - HOn3 through O-Scale		4.86
309*	"Delayed" Electric Under-the-Track Uncoupler Kit		18.30
312	"Non-Delayed" Between-the-Rails Uncoupler	1pr.	5.56
321	"Delayed" Code 100 Between-the-Rails Uncoupler	1pr.	5.56
322*	"Delayed" Code 83 Between-the-Rails Uncoupler	1pr.	5.56
HO-Scale Coupler Height Gauge			
205	HO-Scale Coupler Height Gauge		6.45
206	HO-Scale Insulated Coupler Height Gauge		5.95
HO-Scale Coupler Centering Springs			
620*	Centering Spring for #17, 18, 19 & 20 European Style Couplers - NEM 362	20ea.	2.48
621*	HO-Scale Torsion Springs for 30-Series Gear Boxes	1dz.	1.99
634	Centering Springs for NO.5®, #9, 58, 20-Series & 40-Series Couplers	1dz.	2.97
HO-Scale Coupler Knuckle Springs			
622	HO-Scale Knuckle Springs	1dz.	1.35
625*	Knuckle Springs for "Scale" Couplers for #58, 78, 150-Series, 178 & 2100 Couplers	1dz.	1.35
HO-Scale Truck Springs			
637	HO Truck Springs for all Kadee® sprung HO-Scale trucks except #513 & 555	18ea.	2.70
638*	HO Truck Springs for #513 & 555 Roller Bearing Trucks	18ea.	2.70

HO-Scale
Coupler Conversion Information
Available Online At
<http://www.kadee.com/conv/hocc.htm>

HO-Scale Gear Boxes & Coupler Components			
210*	Washers 1/32" (.031")	(WSL) 2dz.	2.21
211	Styrene Gear Box Shims .010" & .015"	20ea.	1.89
212*	Talgo Truck Adaptors	24ea.	3.62
213*	Gear boxes & Sleeves - for 20 series	24ea.	3.62
232	Plastic Draft Gear Boxes & Lids for ^{NO} 5®, #58, 20-Series & 40-Series	10pr.	3.08
233*	30-Series Draft Gear Boxes, Draft Gear Box Lids and Spring Lids	10pr.	4.27
234*	Plastic Draft Gear Boxes & Lids for the #23,24,25,43,44 & 45 couplers	10pr.	3.08
242*	Universal "Black box" Snap-together Insulated Gear Boxes & lids. for all Whisker® Couplers, ^{NO} 5®, #58, 20-Series, 40-Series.	10pr.	3.19
252*	Small Whisker® Snap-together Insulated Gear Boxes & lids. Similar to the 30 Series Gear Box. for all Whisker® Couplers	10pr.	3.29
262*	Narrow Whisker® Snap-together Insulated Gear boxes & lids. for all Whisker® Couplers	10pr.	3.29
HO-Scale Freight Sprung Trucks (all metal) Code 110 Wheels			
500	Bettendorf - 33" smooth back wheels	1pr.	7.45
501	Arch Bar - 33" ribbed back wheels	1pr.	7.45
504*	A.S.F.® Ride-Control® 50-Ton - 33" smooth back wheels	1pr.	7.45
509	Andrews (1898) - 33" ribbed back wheels	1pr.	7.45
511*	Bettendorf T-Section - 33" ribbed back wheels	1pr.	7.45
513*	Roller Bearing 100-Ton - 36" smooth back wheels	1pr.	9.65
515*	Vulcan Double Truss - 33" ribbed back wheels	1pr.	7.45
517*	Pennsylvania 2D-F8 50-Ton - 33" ribbed back wheels	1pr.	7.78
518*	Barber® S-2 70-Ton Roller Bearing - 33" smooth back wheels	1pr.	8.91
HO-Scale Freight Sprung Trucks (all metal) - Self Centering - Code 110 Wheels			
550*	Bettendorf - 33" smooth back wheels	1pr.	7.55
551*	Arch Bar - 33" ribbed back wheels	1pr.	7.55
552*	A.S.F.® Ride-Control® 50-Ton - 33" smooth back wheels	1pr.	7.55
553*	Andrews (1898) - 33" ribbed back wheels	1pr.	7.55
554*	Bettendorf T-Section - 33" ribbed back wheels	1pr.	7.55
555*	Roller Bearing 100-Ton - 36" smooth back wheels	1pr.	9.65
556*	Vulcan Double Truss - 33" ribbed back wheels	1pr.	7.55
557*	Pennsylvania 2D-F8 50-Ton - 33" ribbed back wheels	1pr.	7.83
558*	Barber® S-2 70-Ton Roller Bearing - 33" smooth back wheels	1pr.	9.18
HO-Scale Freight Sprung Trucks (all metal) with Ready-To-Mount Couplers Code 110 Wheels			
502	Bettendorf - 33" smooth back wheels	1pr.	9.67
503	Arch Bar - 33" ribbed back wheels	1pr.	9.67
510	Andrews (1898) - 33" ribbed back wheels	1pr.	9.67
512*	Bettendorf T-Section - 33" ribbed back wheels	1pr.	9.67
516*	Vulcan Double Truss - 33" ribbed back wheels	1pr.	9.67
HO-Scale Two Piece "HGC" Self Centering Trucks Code 110 Wheels			
560*	ACL Barber® S-2 70-Ton Roller Bearing - 33" smooth back wheels	1pr.	9.67
561*	Arch Bar - 33" ribbed back wheels	1pr.	9.67
562*	A.S.F.® Ride-Control® 50-Ton - 33" smooth back wheels	1pr.	9.67
563*	A.S.F.® Ride-Control® 50-Ton - 33" ribbed back wheels	1pr.	9.67
564*	Bettendorf - 33" smooth back wheels	1pr.	9.67
565*	Bettendorf - 33" ribbed back wheels	1pr.	9.67
566*	Barber® S-2-B 70-Ton - 33" smooth back wheels	1pr.	9.67
567*	National type B-1 50-Ton - 33" ribbed back wheels	1pr.	9.67
568*	National type B-1 50-Ton - 33" smooth back wheels	1pr.	9.67
569*	Roller Bearing 100-Ton - 36" smooth back wheels	1pr.	9.67
570*	Barber® S-2 70-Ton - 33" smooth back wheels	1pr.	9.67

**You can mail in your order or for
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**Did you know the
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on our website!**

<http://www.kadee.com/htmbord/catalog.htm>

HO-Scale Two Piece "HGC" Self Centering Trucks Code 88 Wheels			
1560*	ACL Barber® S-2 70-Ton Roller Bearing - 33" smooth back wheels	1pr.	9.95
1561*	Arch Bar - 33" ribbed back wheels	1pr.	9.95
1562*	A.S.F.® Ride-Control® 50-Ton - 33" smooth back wheels	1pr.	9.95
1563*	A.S.F.® Ride-Control® 50-Ton - 33" ribbed back wheels	1pr.	9.95
1564*	Bettendorf - 33" smooth back wheels	1pr.	9.95
1565*	Bettendorf - 33" ribbed back wheels	1pr.	9.95
1566*	Barber® S-2-B 70-Ton - 33" smooth back wheels	1pr.	9.95
1567*	National type B-1 50-Ton - 33" ribbed back wheels	1pr.	9.95
1568*	National type B-1 50-Ton - 33" smooth back wheels	1pr.	9.95
1569*	Roller Bearing 100-Ton - 36" smooth back wheels	1pr.	9.95
1570*	Barber® S-2 70-Ton - 33" smooth back wheels	1pr.	9.95
HO-Scale Two Piece "HGC" Self Centering Caboose Trucks Code 110 Wheels			
580*	Bettendorf - AAR - 33" smooth back wheels	1pr.	9.67
581*	Bettendorf T-Section - 33" ribbed back wheels	1pr.	9.67
582*	Barber - Bettendorf Roller Bearing - 33" smooth back wheels	1pr.	9.67
583*	Arch Bar - 33" ribbed back wheels	1pr.	9.67
HO-Scale Two Piece "HGC" Self Centering Caboose Trucks Code 88 Wheels			
1580*	Bettendorf - AAR - 33" smooth back wheels	1pr.	9.95
1581*	Bettendorf T-Section - 33" ribbed back wheels	1pr.	9.95
1582*	Barber - Bettendorf Roller Bearing - 33" smooth back wheels	1pr.	9.95
1583*	Arch Bar - 33" ribbed back wheels	1pr.	9.95
HO-Scale Wheelsets Freight & Passenger Code 110 (.110)			
520	33" Diameter - freight (smooth)	12 Sets	9.18
521	36" Diameter - freight or passenger (ribbed)	12 Sets	11.35
522*	36" Diameter - freight or passenger (smooth)	12 Sets	11.35
523*	33" Diameter - freight (ribbed)	12 Sets	9.18
524*	28" Diameter - freight (smooth)	12 Sets	9.18
HO-Scale Wheelsets Freight & Passenger Code 88 (.088)			
530*	33" Diameter - freight (smooth)	12 Sets	9.18
531*	36" Diameter - freight or passenger (ribbed)	12 Sets	11.35
532*	36" Diameter - freight or passenger (smooth)	12 Sets	11.35
533*	33" Diameter - freight (ribbed)	12 Sets	9.18
HO-Scale Brake Pads			
441*	Brake Pads For All Kadee® Trucks (Except for #513, 518, 555 & 558)	4 ea.	2.11
442*	Brake Pads For Kadee® Trucks #513, 518, 555 & 558	4 ea.	2.11
HO-Scale Detail Accessories			
437*	Cattle Guards	3ea.	5.95
438	Air Hose Angle Cock	20ea.	2.00
439	Nut-Bolt-Washer	36ea.	2.11
440	Metal Brake Wheel	6ea.	2.16

**Helpful Hints available
on our website
<http://www.kadee.com/htmbord/helpful.htm>**

Visit our website at
www.kadee.com for more
 Information

HO-Scale Brake Wheels			
2030*	Ajax - Red Oxide	8 ea.	3.19
2020*	Ajax - Boxcar red	8 ea.	3.19
2040*	Ajax - Black	8 ea.	3.19
2031*	Equipco - Red Oxide	8 ea.	3.19
2021*	Equipco - Boxcar red	8 ea.	3.19
2041*	Equipco - Black	8 ea.	3.19
2032*	Miner - Red Oxide	8 ea.	3.19
2022*	Miner - Boxcar red	8 ea.	3.19
2042*	Miner - Black	8 ea.	3.19
2033*	Universal - Red Oxide	8 ea.	3.19
2023*	Universal - Boxcar red	8 ea.	3.19
2043*	Universal - Black	8 ea.	3.19
2034*	Champion - Red Oxide	8 ea.	3.19
2024*	Champion - Boxcar red	8 ea.	3.19
2044*	Champion - Black	8 ea.	3.19
2035*	Modern - Red Oxide	8 ea.	3.19
2025*	Modern - Boxcar red	8 ea.	3.19
2045*	Modern - Black	8 ea.	3.19

HO-Scale Ladders			
2101*	Ends & Sides - Red Oxide	1 set	3.40
2102*	Ends & Sides - Boxcar red	1 set	3.40
2103*	Ends & Sides - Black	1 set	3.40

HO-Scale High Tack board Doors			
6' Camel-Youngstown			
2200*- Red Oxide, 2201*- Boxcar red	2pr.	3.94	
6' 5 Panel Superior			
2205*- Red Oxide, 2206*- Boxcar red	2pr.	3.94	
6' 7 Panel Superior			
2210*- Red Oxide, 2211*- Boxcar red	2pr.	3.94	
7' Camel-Youngstown			
2234*- Red Oxide, 2235*- Boxcar red	2pr.	3.94	
7' 5 Panel Superior			
2238*- Red Oxide, 2239*- Boxcar red	2pr.	3.94	
8' Camel-Youngstown			
2215*- Red Oxide, 2216*- Boxcar red	2pr.	3.94	

HO-Scale Low Tack board Doors			
6' Camel-Youngstown			
2202*- Red Oxide, 2203*- Boxcar red	2pr.	3.94	
6' 5 Panel Superior			
2207*- Red Oxide, 2208*- Boxcar red	2pr.	3.94	
7' Camel-Youngstown			
2236*- Red Oxide, 2237*- Boxcar red	2pr.	3.94	
7' 5 Panel Superior			
2240*- Red Oxide, 2241*- Boxcar red	2pr.	3.94	
8' Camel-Youngstown			
2220*- Red Oxide, 2221*- Boxcar red	2pr.	3.94	
8' Pullman Standard			
2225*- Red Oxide, 2226*- Boxcar red	2pr.	3.94	
8' 6 Panel Superior			
2230*- Red Oxide, 2231*- Boxcar red	2pr.	3.94	

HO-Scale Grab Irons			
2250*	Side Grab Irons - Red Oxide	16 ea.	6.43
2251*	Side Grab Irons - Boxcar red	16 ea.	6.43
2252*	End Grab Irons - Red Oxide	4pr.	6.43
2253*	End Grab Irons - Boxcar red	4pr.	6.43
2254*	End Grab Irons - Black	4pr.	6.43

You can order direct from
 Kadee online at
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Sam "The Answer Man"
 is available to answer all your
 Kadee technical questions
 at 1-541-826-3883
 1pm - 4pm PST.

HO-Scale Running Boards			
2000*	40' Apex - Red Oxide	1pr.	4.91
2001*	40' Apex - Boxcar red	1pr.	4.91
2002*	40' Apex - Black	1pr.	4.91
2003*	40' Apex - Galvanized	1pr.	4.91
2010*	50' Apex - Red Oxide	1pr.	4.91
2011*	50' Apex - Boxcar red	1pr.	4.91
2012*	50' Apex - Black	1pr.	4.91
2013*	50' Apex - Galvanized	1pr.	4.91

HO-Scale Coal Loads			
Loads will fit most 2 bay hoppers on the market including Atlas, Athearn, MDC & Bowser hoppers. They can be easily modified to fit in other open hoppers. Load length is 32 1/2 scale feet.			
171*	Lump / Egg (small)	6ea.	11.99
172*	Large Lump (medium)	6ea.	11.99
173*	Mine Run (large)	6ea.	11.99
174*	Coal Load Weights	3ea.	5.35

HO-Scale Rolling Stock HO-Scale Log Car Kits and Accessories			
101*	Disconnect Log Car		24.50
102*	Skeleton Log Car		30.15
103*	Truss Log Car		36.65
104*	Logging Caboose		22.60
107*	Disconnect Log Car w/out logs		20.45
LL*	Log Load Kit		4.60
101-bab*	Log Bunk - Disconnect		6.75
102-bab*	Log Bunk - Skeleton		12.42
103-ab*	Log Bunk - Truss		11.34

Freight Car Boxes			
3000*	Plastic Box only		3.50
3010*	Plastic Box & 40' Boxcar nest		3.95
3011*	Plastic Box & 50' Boxcar nest		3.95
3012*	Plastic Box & PS-2 Hopper nest		3.95
3013*	Plastic Box & 50-ton AAR Open Hopper nest		3.95

"Now Available"

**Bulk Coupler Packs of
 #118, #119, #153, & #156**

**G & #1 Scale Metal Wheels
 #950, #951, #960, & #961**

**Two Piece "HGC" Self Centering
 Trucks with Code 88 Wheels
 #1560, #1561, #1562, #1563, #1564,
 #1565, #1566, #1567, #1568, #1569,
 #1570, #1580, #1581, #1582, #1583**

**For Current In-Stock "RTR" Freight
Cars Please Check Kadee® Web Site
or Current Monthly Flyer**

HO-Scale 40' PS-I Boxcars - Single 6' doors		
4000*	Undecorated Boxcar Red	24.65
4094*	NYC #170769 (BLT. 1951 - NEW)	(WSL) 34.95
4095*	ATSF #31419 (BLT. 1950 - NEW)	(WSL) 35.95
4097*	RI#21895 (BLT. 1951 - NEW)	(WSL) 34.95
4098*	ACY #805 (BLT. 1951 - NEW)	(WSL) 34.95
4316*	BS #6736 (BLT. 1952 - NEW)	(WSL) 32.95
4317*	RF&P #2824 (BLT. 1952 - NEW)	(WSL) 33.95

HO-Scale 40' PS-1 Boxcars - Single 7' doors			
4827*	MEC #8099 (BLT. 1951 - Shopped 1963)	(WSL)	34.95
4828*	BCK #1369 (BLT. 1952 - NEW)	(WSL)	34.95
4830*	MILW #35049 (BLT. 1953 - NEW)	(WSL)	35.95

HO-Scale 40' PS-1 Boxcars - Single 8' doors			
5013*	VGN #63327 (BLT. 1952 - NEW)	(WSL)	32.95
5014*	USN #61-03044 (BLT. 1953 - Repaint 1974)	(WSL)	32.95
5199*	Undecorated Red Oxide		24.65
5200*	Undecorated Boxcar Red		24.65
5303*	VTR #365 (BLT. 1956 - NEW)	(WSL)	33.95
5304*	CNJ #23512 (BLT. 1957 - NEW)	(WSL)	33.95
5308*	MP #39202 (BLT. 1960 - NEW)	(WSL)	34.95
5309*	L&N #7263 (BLT. 1958 - NEW)	(WSL)	32.95
5311*	BM #76346 (BLT. 1957 - NEW)	(WSL)	36.95
5312*	SLSF #18883 (BLT. 1956 - NEW)	(WSL)	36.95
5313*	C&G #3425 (BLT. 1957 - NEW)	(WSL)	37.95

HO-Scale 50' PS-1 Boxcars - Single 9' Doors		
6000*	Undecorated Boxcar Red	24.65
6348*	A&WP #51009 (BLT. 1963 - NEW) (Cushion Underframe)	(WSL) 36.95
6360*	DTI #18073 (BLT. 1962 - NEW) (Cushion Underframe)	(WSL) 35.95
6364*	BAR #6019 (BLT. 1962 - Shopped 10-73) (Cushion Underframe)	(WSL) 36.95

HO-Scale 50' PS-1 Boxcars - Single 10' Doors			
6362*	D&H #29135 (BLT. 1966 - NEW) (Cushion Underframe)	(WSL)	36.95

HO-Scale 50' PS-1 Boxcars - 15' Doors				
6737*	WP #3984	(BLT. 1960 - NEW)	(WSL)	34.95
6738*	SOU #262884	(BLT. 1960 - NEW)	(WSL)	35.95
6739*	NH #40505	(BLT. 1960 - NEW)	(WSL)	34.95

HO-Scale Collectors/Specialty Cars				
6910*	KDC Diagram Car (40' Boxcar)	(WSL)	25.00	
6916*	KDC #016 2013 Troop Car (40' Boxcar)	(WSL)	38.95	
6917*	KDC #017 2013 Christmas Car (40' Boxcar)	(WSL)	38.95	

HO-Scale 50-ton AAR "Standard" Open Bay Hopper			
7001*	Undecorated Black		36.95
7002*	Undecorated Boxcar Red		36.95
7051*	P&S #3136 (BLT. 1947 - NEW)	OUT OF STOCK	(WSL) 42.95
7501*	Undecorated Black		(WSL) 36.95

HO-Scale 2003 CU FT. PS-2 Hopper			
8001*	Undecorated Alkali Resisting Light Gray		35.95
8028*	SP #401191 (BLT. 1957- NEW)	(WSL)	42.95
8036*	LNE #18167 (BLT. 1957- NEW)	OUT OF STOCK	(WSL) 43.95
8037*	GN #71504 (BLT. 1958- NEW)		(WSL) 43.95
8039*	SSW #77132 (BLT. 1957- NEW)		(WSL) 42.95
8040*	IC #55038 (BLT. 1958- NEW)		(WSL) 39.95
8219*	ATSF #82290 (BLT. 1957- NEW)		(WSL) 42.95
8336*	RUT #503 (BLT. 1956- NEW)	OUT OF STOCK	(WSL) 42.95
8601*	Undecorated Alkali Resisting Light Gray		35.95
8650*	NH #117016 (BLT. 1954 - NEW)		(WSL) 41.95

HO-Scale 40' & 50' PS-1 Kit Cars		
4100*	40' PS-1 6' Door Kit Car	25.95
4105*	50' PS-1 9' Door Kit Car	25.95
4110*	50' PS-1 15' Double Door Kit Car	25.95
4115*	50' PS-1 10' Door Kit Car (Cushion Underframe)	26.95
4120*	50' PS-1 9' Door Kit Car (Cushion Underframe)	26.95
Water Slide Decal Paper		
3098*	Clear Decal Paper 8 1/2 x 11	5pk. 13.50
3099*	Clear Decal Paper 8 1/2 x 11	1pk. 2.95
HO-Scale Street Decals		
3122*	dash (white lines)	3.75
3123*	dash (Yellow lines)	3.75
3124*	solid-dash (Yellow lines)	3.75
3125*	solid-solid (White lines)	3.75
3126*	solid-solid (Yellow lines)	3.75
HOn3-Scale HOn3-Scale Couplers & Accessories		
624*	HOn3 Truck Springs	1dz. 1.35
636	Centering Spring for #711 & 714 Couplers	1dz. 1.45
702	Assembly Fixture for #711 & 714 Couplers	9.67
704*	Coupler Height Gauge	7.47
708	Electric Uncoupler Kit	15.07
709	Delayed Uncoupler	1pr. 5.67
713*	Couplers (Acetal) (rust)	2pr. 3.67
714	Couplers (Acetal) (black)	2pr. 3.67
HOn3-Scale Trucks & Wheelsets		
715*	Truck Assembly Fixture	6.43
716*	Truck with 3'-7" wheel centers	1pr. 9.71
717*	Truck with 4'-6" wheel centers	1pr. 9.71
718*	26" Diameter - freight wheels (ribbed)	8 Sets 9.18
S & Sn3-Scale S & Sn3-Scale Couplers & Accessories		
308	"Delayed" Under-the-Track Uncoupler - HOn3 through O-Scale	4.86
802	S-Scale Coupler with Gear Box (Black)	2pr. 7.29
808*	S-Scale Coupler with Gear Box (Brown)	2pr. 7.30
846	Centering Springs for #802, 803 & 808	1dz. 2.10
847*	Knuckle Springs for #802, 803 & 808	1dz. 2.11
814*	S-Scale Coupler Height Gauge	17.25
O-Scale O-Scale Type "E" Couplers & Gear Boxes		
740*	Medium Centerset Shank Metal Coupler with Metal (#817 type) Draft Gear Box - Black	2pr. 9.50
742*	Medium Overset Shank Metal Coupler with Plastic #817 Draft Gear Box - Black	2pr. 9.50
743*	Short Centerset Shank Metal Coupler with Plastic Short Draft Gear Box - Black	2pr. 9.50
745*	Medium Centerset Shank Metal Coupler with Plastic #817 Draft Gear Box - Black	2pr. 9.50
746*	Long Centerset Shank Metal Coupler with Plastic #817 Draft Gear Box - Black	2pr. 9.50
747*	Medium Underset Shank Metal Coupler with Plastic #817 Draft Gear Box - Black	2pr. 9.50
O-Scale Standard Couplers & Gear Boxes		
800*	Medium Centerset Shank Plastic Coupler with Plastic #817 Draft Gear Box - Rust	1pr. 4.20
801*	Medium Centerset Shank Plastic Coupler with Plastic #817 Draft Gear Box - Brown	1pr. 4.20
804	Medium Centerset Shank Plastic Coupler with Plastic #817 Draft Gear Box - Black	1pr. 4.20
805	Medium Centerset Shank Metal Coupler with Metal (#817 type) Draft Gear Box - Black	1pr. 4.25
806*	Short Centerset Shank Metal Coupler with Plastic Short Draft Gear Box - Black	1pr. 4.30
816*	Medium Centerset Shank Metal Coupler with Plastic #817 Draft Gear Box - Black	1pr. 4.59

O-Scale Accessories		
308	"Delayed" Under-the-Track Uncoupler - HOn3 through O-Scale	4.86
809*	O-Scale 3 Rail (Between-the-Rails) Uncoupler	4.45
810	O-Scale Electric Uncoupler	20.35
811	O-Scale (Between-the-Rails) Uncoupler	5.15
812*	O-Scale Height Gauge	17.85
817*	O-Scale Plastic Gear Box - Black Included with #742, 745, 746, 747, 804 & 816 couplers Also will work with #740, 800, 801 & 805 couplers	5pr. 3.19
845	Knuckle Springs for #800, 801, 804, 805, 806 & 816	1dz. 2.10
850	Centering Springs for #740, 742, 743, 745, 746, 747, 800, 801, 804, 805, 806 & 816	1dz. 2.10
On3 & On30-Scale On3 & On30-Scale Couplers & Accessories		
300*	On30-Scale 24" Diameter - Griffin Wheels (ribbed back)	8 Sets 8.53
803	On3-Scale Coupler with gear box (Black)	2pr. 7.29
807*	On3-Scale Coupler with gear box (brown)	2pr. 7.25
813*	On3-Scale Height Gauge	17.25
815*	On30-Scale Height Gauge with On3 Coupler	7.05
846	Centering Springs for #802, 803 & 807	1dz. 2.10
847*	Knuckle Springs for #802, 803 & 807	1dz. 2.11
#1-Scale #1-Scale Type "E" Couplers Only Packets		
1900*	Straight Centerset Shank Coupler (Coupler Only) For 1920 Type Gear Boxes	1pr. 7.51
1901*	Centerset Coupler (Coupler Only)	1pr. 7.02
1902*	Medium Offset Coupler (Coupler Only)	1pr. 7.02
1903*	Large Offset Coupler (Coupler Only)	1pr. 7.02
1904*	Coupler with Solid Shank (Coupler Only)	1pr. 6.75
1916*	Coupler for Bachmann Coupler Arm (Coupler Only)	1pr. 9.67
#1-Scale Type "E" Couplers & Gear Boxes		
1905*	Centerset Coupler & 779 Gear Box	1pr. 9.18
1906*	Straight Centerset Shank Coupler & 1920 Gear Box	1pr. 9.18
1907*	Centerset Coupler & 911 Gear Box	1pr. 9.18
1908*	Medium Offset Coupler & 911 Gear Box	1pr. 9.18
1909*	Large Offset Coupler & 911 Gear Box	1pr. 9.18
1917*	Centerset Short Shank Coupler & Small Extra Short Draft Gear Box	1pr. 9.18
#1-Scale Original Style Couplers Only Packets		
822*	Coupler with Solid Shank (Coupler Only)	1pr. 5.35
823*	Coupler with Solid "thick" Shank (Coupler Only)	1pr. 6.21
1838*	Medium Offset Coupler (Coupler Only)	2pr. 12.15
1839*	Large Offset Coupler (Coupler Only)	2pr. 12.15
1840*	Centerset/Reverse Offset Coupler (Coupler Only)	2pr. 12.15
#1-Scale Original Style Couplers		
820*	Coupler with Straight Centerset Shank in & Standard Draft Gear Box	1pr. 8.91
821*	Centerset Short Shank Coupler & Small Extra Short Draft Gear Box	1pr. 8.91
824*	Coupler Conversion Kit (WSL)	1pr. 15.07
827*	Coupler Conversion Kit (WSL)	1pr. 24.30
881*	Conversion Platforms for mounting #882 or 883 Flex-brackets on Aristo-Craft™ Heavyweight Passenger Car (couplers not included)	1pr. 4.86
882*	#1 Scale Flex-brackets for #820, #920 or #1906 Couplers (couplers not included)	1pr. 6.21
884*	Conversion Kit, (couplers not included)	1pr. 6.75
920*	Coupler with Straight Centerset Shank in & Standard Draft Gear Box (Boxcar Red)	1pr. 8.90
921*	Centerset Short Shank Coupler & Small Extra Short Draft Gear Box (Boxcar Red)	1pr. 8.90

Large-Scale
Coupler Conversion Information
Available Online At
<http://www.kadee.com/conv/lsc.htm>

#1-Scale Original Style Couplers in G-Scale Gear Boxes			
1779*	Centerset Coupler with a Sill Mounted Pocket.	1pr.	9.67
1781*	Coupler Conversion Kit	1pr.	14.31
1782*	Coupler Conversion Kit	1pr.	12.15
1783*	Coupler Conversion Kit	1pr.	15.39
1784*	Coupler Conversion Kit	(WSL) 1pr.	8.91
1785*	Coupler Conversion Kit	1pr.	9.67
1786*	Coupler Conversion Kit	1pr.	9.67
1787*	Coupler Conversion Kit	1pr.	8.91
1788*	Coupler Conversion Kit	1pr.	9.67
1789*	Centerset Coupler with a #831/1831 Draft Gear Box.	1pr.	8.91
1790*	Coupler Conversion Kit	(WSL) 1pr.	11.34
1791*	Centerset Coupler with a Pilot Pocket & large offset Coupler with a #831/1831 Draft Gear Box	1pr.	14.58
1792*	Coupler Conversion Kit	1pr.	9.67
1793*	Coupler Conversion Kit	1pr.	9.67
1794*	Medium offset Coupler & Large offset Coupler with a #831/1831 Draft Gear Box & Swinging Draft Gear Box	(WSL) 1pr.	9.88
1795*	Coupler Conversion Kit	(WSL) 1pr.	9.88
1796*	Large offset Coupler in a #831/1831 Draft Gear Box & Swinging Draft Gear Box	(WSL) 1pr.	9.88
1797*	Coupler Conversion Kit	1pr.	9.67
1798*	Coupler Conversion Kit	1pr.	9.67
1799*	Coupler Conversion Kit	1pr.	8.91
1831*	Large Offset Coupler & Draft Gear Box	1pr.	8.91
1832*	Large offset Coupler in a Swinging Draft Gear Box.	1pr.	9.67
1833*	Coupler Conversion Kit	1pr.	8.91
1834*	Coupler Conversion Kit	(WSL) 1pr.	8.91
1835*	Centerset Coupler with short narrow Gear Box. Railtop to underbody 1-5/16".	1pr.	8.91
1836*	Medium offset Coupler with short narrow Gear Box. Railtop to underbody 1-1/8".	1pr.	8.91
1837*	Large offset Coupler with short narrow Gear Box. Railtop to underbody 29/32".	1pr.	8.91
G-Scale G-Scale Type "E" Couplers Only Packets			
900*	Straight Centerset Shank Coupler (Coupler Only) For 910 Type Gear Boxes	1pr.	7.50
901*	Centerset Coupler (Coupler Only)	1pr.	7.00
902*	Medium Offset Coupler (Coupler Only)	1pr.	7.00
903*	Large Offset Coupler (Coupler Only)	1pr.	7.00
904*	Coupler with Solid Shank (Coupler Only)	1pr.	6.75
916*	Coupler for Bachmann Coupler Arm (Coupler Only)	1pr.	9.67
G-Scale Type "E" Couplers & Gear Boxes			
905*	Centerset Coupler & 779 Gear Box	1pr.	9.18
906*	Straight Centerset Shank Coupler & 910 Gear Box	1pr.	9.18
907*	Centerset Coupler & 911 Gear Box	1pr.	9.18
908*	Medium Offset Coupler & 911 Gear Box	1pr.	9.18
909*	Large Offset Coupler & 911 Gear Box	1pr.	9.18
G-Scale Original Style Couplers Only Packets			
1850*	Centerset Coupler (Coupler Only)	2pr.	12.42
G-Scale Original Style Couplers			
779*	Centerset Coupler with a Sill Mounted Pocket.	1pr.	9.67
781*	Coupler Conversion Kit	1pr.	14.31
782*	Coupler Conversion Kit	1pr.	12.15
783*	Coupler Conversion Kit	1pr.	15.39
784*	Coupler Conversion Kit	(WSL) 1pr.	8.91
785*	Coupler Conversion Kit	1pr.	9.67
786*	Coupler Conversion Kit	1pr.	9.67
787*	Coupler Conversion Kit	1pr.	8.91
788*	Coupler Conversion Kit	1pr.	9.67
789*	Centerset Coupler with a #831/1831 Draft Gear Box.	1pr.	8.91
790*	Coupler Conversion Kit	(WSL) 1pr.	11.34
791*	Centerset Coupler with a Pilot Pocket & large offset Coupler with a #831/1831 Draft Gear Box	1pr.	14.58
792*	Coupler Conversion Kit	1pr.	9.67

793*	Coupler Conversion Kit	1pr.	9.67
794*	Medium offset Coupler & Large offset Coupler with a #831/1831 Draft Gear Box & Swinging Draft Gear Box	(WSL) 1pr.	9.67
795*	Coupler Conversion Kit	(WSL) 1pr.	9.88
796*	Large offset Coupler in a #831/1831 Draft Gear Box & Swinging Draft Gear Box	(WSL) 1pr.	9.88
797*	Coupler Conversion Kit	1pr.	9.67
798*	Coupler Conversion Kit	1pr.	9.67
799*	Coupler Conversion Kit	1pr.	8.91
830*	Coupler with Straight Centerset Shank in a Standard Draft Gear Box.	1pr.	8.90
831*	Large Offset Coupler & Draft Gear Box	1pr.	8.90
832*	Large offset Coupler in a Swinging Draft Gear Box.	1pr.	9.67
833*	Coupler Conversion Kit	1pr.	8.90
834*	Coupler Conversion Kit	(WSL) 1pr.	8.90
835*	Centerset Coupler with short narrow Gear Box. Railtop to underbody 1-5/16".	1pr.	8.90
836*	Medium offset Coupler with short narrow Gear Box. Railtop to underbody 1-1/8".	1pr.	8.90
837*	Large offset Coupler with short narrow Gear Box. Railtop to underbody 29/32".	1pr.	8.90
841*	Shims for #830 Gear box 1/16" & 1/32" (black)	8ea.	3.51
881*	Conversion Platforms for mounting #882 or 883 Flex-brackets on Aristo-Craft™ Heavyweight Passenger Car (couplers not Included)	1pr.	4.86
883*	G-Scale Flex-bracket for #830, #930 or #906 Couplers (couplers not Included)	1pr.	5.35
884*	Coupler Conversion Kit, (couplers not Included)	(WSL) 1pr.	6.75
930*	Coupler with Straight Centerset Shank in a Standard Draft Gear Box. (Boxcar Red)	1pr.	8.90
941*	Shims for #830 Gear box 1/16" & 1/32" (Boxcar Red)	8ea.	3.50
G-Scale and #1-Scale Gear Boxes			
910*	#830 Gear Box (G-Scale)	1pr.	2.70
911*	#831 Type Gear Box (G & #1 Scale)	1pr.	2.70
912*	#835 Type Gear Box (G & #1 Scale)	1pr.	2.70
913*	#832 Type Gear Box (G & #1 Scale)	1pr.	2.70
915*	#791 & 831 Gear Box (G & #1 Scale)	1ea.	2.70
1920*	#820 Gear Box (#1-Scale)	1pr.	2.70
G-Scale and #1-Scale Uncouplers			
842*	Uncoupler, unmounted		7.29
844*	Uncoupler, portable		9.45
G-Scale and #1-Scale Height Gauges			
829*	#1-Scale Coupler Height Gauge, 5 tools in one		19.39
880*	G-Scale Coupler Height Gauge, 5 tools in one		19.35
980*	Type "E" G-Scale Coupler Height Gauge, 5 tools in one		20.45
1929*	Type "E" #1-Scale Coupler Height Gauge, 5 tools in one		20.47
G-Scale and #1-Scale Springs			
839*	Truck Centering Springs & Retainers, for LGB 2-axle cars	2pr.	3.19
860*	Knuckle Springs, for all G-Scale Couplers	1dz.	3.67
861*	Centering Springs, for all #1 & G Scale Couplers, except #820, 821, 830, 900, 906, 920, 921, 930, 1900, 1906, 1917 & 11115	1dz.	5.94
864*	Truck Centering Springs, for LGB 2-axle cars	1dz.	4.86
875*	Knuckle Springs, for #819 through 828, 920 & 921 #1-Scale couplers	1dz.	3.62
876*	Centering Springs, for #820 or 920 #1 Scale Couplers	(WSL) 1dz.	3.78
877*	Centering Springs, for #821, 921, 1917 #1 Scale Couplers	1dz.	4.86
878*	Centering Springs, for #830, 930, 900, 906, 11115 G Scale Couplers	1dz.	4.86
879*	Centering Springs, for #820, 920, 1900, 1906 #1 Scale Couplers	1dz.	4.86
1875*	Knuckle Springs, for 1700 & 1800 series #1-Scale couplers	1dz.	3.51
G-Scale and #1-Scale Wheels			
950*	Uncolored Metal Smooth Back Wheels 1:29 Scale 33" Wheels / 1:32 Scale 36" Wheels	1 Set	13.95
951*	Uncolored Metal Ribbed Back Wheels 1:29 Scale 33" Wheels / 1:32 Scale 36" Wheels	1 Set	13.95
960*	Black Metal Smooth Back Wheels 1:29 Scale 33" Wheels / 1:32 Scale 36" Wheels	1 Set	15.95
961*	Black Metal Ribbed Back Wheels 1:29 Scale 33" Wheels / 1:32 Scale 36" Wheels	1 Set	15.95

We have product instructions online at
<http://www.kadee.com/htmbord/instruc.htm>

Kadee® - RC		
Remote Uncoupling System bringing the best of old & new technologies together.		
Magne-Matic® Couplers & RC Remote System in one complete package.		
11100†	G-Scale Basic Starter Kit	344.99
11105†	G-Scale Self Contained Coupler Starter Kit (single)	359.99
11110†	Receiver Kit	128.99
11115†	G-Scale Body Mount Coupler Kit	39.99
11120†	Large Servo Kit	25.99
11200†	Standard Vertical Servo Tray - for Hitec (HS-311)	5.99
11215†	Hand-Held Transmitter	199.99
11220†	G-Scale Actuated Body Mount Coupler with Gearbox	49.99
11221†	#1-Scale Actuated Body Mount Coupler with Gearbox	49.99
Tools & Switches		
Tools		
230	Insertion Pic - for #212 20-Series Talgo Adaptor	1ea. 2.86
231	"Grease-em" Dry Graphite Lubricant 5.5 gram tube	1ea. 2.45
236	"Speedi" Driver Cleaner - for HO _{N3} to O-Scale	1ea. 12.90
237*	Coupler Trip Pin Pliers - for HO _{N3} to O-Scale	1ea. 13.34
239*	"Mark V Gripper" metal, 5-prong jaw	1ea. 6.43
240*	"Pin Vise" Double headed pin vise	1ea. 6.43
241*	"Dual Tool" manual uncoupler, spring pic	1ea. 2.10
334	HO Uncoupler Gluing Jig - for 312, 321, & 322 Uncouplers	1ea. 3.19
341	HO-Track Gauge 70 & 100	1ea. 3.78
342	HO-Track Gauge 55, 66 and 70	1ea. 3.78
343	HO-Track Gauge 100 & 83	1ea. 3.78
701	HO-Assembly Fixture - for #4, 5, 9, 43, 46 & 58 couplers	1ea. 9.18
703	HO-Assembly Fixture - for #6, 7 & 8 couplers	1ea. 9.18
843*	"Speedi" Driver Cleaner for locos (O to G Scale)	1ea. 18.55
1020	Stainless Steel Coupler & Special Purpose Tweezers	1ea. 5.35
Tap and Drills		
246*	Tap (2-56) and Drills (#50 and #43)	Set 7.50
247*	Tap (1-72) and Drills (#53 and #48)	Set 7.50
780*	Tap (0-80) and Drills (#55 and #52)	Set 7.50
1059*	Tap (00-90) and Drills (#62 & #56)	Set 7.50
Momentary Switches		
163*	Quickie Switches - Black & Red Black - normally closed, Red - normally open	2ea. 4.25
164*	Quickie Switch - Black - normally closed	4ea. 4.25
165*	Quickie Switch - Red - normally open	4ea. 4.25
Transformer		
166*	Plug-in Transformer - for use with Kadee® #309 & #810 Electric Uncouplers, Lighting, Motors, Stitches, Accessories, Etc. INPUT: 120VAC 60Hz 0.49A OUTPUT: 16.5VAC 40VA	1ea. 26.95
Twin Rail Spiker		
Spikes & Spiker Parts		
700-70A+	Conversion Kit Code 100 to 70	(WSL) ea. 249.99
700-83B+	Conversion Kit Code 70 to 83	(WSL) ea. 249.99
700-100A+	Conversion Kit Code 70 to 100	(WSL) ea. 249.99
700-2+	Handle	(WSL) ea. 21.49
700-3+	Handle Pin	(WSL) ea. 1.62
700-4+	Trip Lever	(WSL) ea. 13.18
700-4A-1+	Trip Lever Assembly	(WSL) ea. 24.41
700-5+	Trip Lever Pin	(WSL) ea. 1.62
700-6+	Roller Pin	(WSL) ea. 1.62
700-7+	Roller	(WSL) ea. 6.16
700-8+	Lever Return Spring	(WSL) ea. 3.02
700-9+	Spring Pin	(WSL) ea. 1.62
700-10+	Wear Plate	(WSL) ea. 4.64
700-11+	Hammer Block	(WSL) ea. 17.71
700-12+	Hammer Cushion (rubber)	(WSL) ea. 3.13
700-13+	Hammer Cushion Seats	(WSL) ea. 3.89
700-14+	Hammer Spring	(WSL) ea. 3.02
700-17+	Spring Shim	(WSL) ea. 1.62
700-18A-1+	Slide Cover Assembly	(WSL) ea. 27.32

700-19+	Cutter Blade code 70	(WSL) ea. 12.10
700-20+	Cutter Blade code 100	(WSL) ea. 12.10
700-21+	Cutter Head code 70	(WSL) ea. 46.76
700-22+	Cutter Head code 83 & 100	(WSL) ea. 46.76
700-23-1+	Staple Guide code 100	(WSL) ea. 12.10
700-23-3+	Staple Guide code 70 & 83	(WSL) ea. 12.10
700-24A-1+	Staple Pusher Assembly	(WSL) ea. 16.95
700-25+	Cutter Blade code 83	(WSL) ea. 18.58
700-28+	Bumper (rubber)	(WSL) ea. 3.13
700-29+	Staple Guide lock Screw	(WSL) ea. .76
700-30+	Staple Cover Plate	(WSL) ea. 4.75
700-31*	Code 70 & 83 Spikes	4000 14.03
700-32*	Code 100 Spikes	4000 14.03
700-33+	Cutter Retainer Cap code 70	(WSL) ea. 70.20
700-35+	Cutter Retainer Cap code 100	(WSL) ea. 70.20
700-40+	Cutter Retainer Cap code 83	(WSL) ea. 74.52

Fasteners		
Screws & Washers		
208	Red Insulating Washers .015"	4dz. 2.75
209	Gray Insulating Washers .010"	4dz. 2.75
256	Acetal Screws 2-56 x 1/2"	1dz. 1.95
400*	Screws 0-48 x 1/8" - for #502, 503, 505, 508, 510, 512, & 516)	2dz. 4.91
401*	Screws 0-48 x 3/16" - for mounting #505 and 508 to truck bolsters	2dz. 4.91
402*	Screws 0-48 x 1/4" - for #9, 452, 506, 507, 711, 714, 802 and 808	2dz. 4.97
403*	Screws 0-48 x 3/8" - for #802, 803, 807 and 808	2dz. 4.97
1640*	Nuts Stainless Steel 0-80	1dz. 3.19
1641*	Washers Stainless Steel 0-80	1dz. 2.97
1643*	Screws Stainless Steel 0-80 x 1/8"	1dz. 3.19
1646*	Screws Stainless Steel 0-80 x 1/4"	1dz. 3.19
1648*	Screws Stainless Steel 0-80 x 3/8"	1dz. 3.19
1649*	Screws Stainless Steel 0-80 x 1/2"	1dz. 3.56
1680*	Nuts Stainless Steel 1-72	1dz. 3.51
1681*	Washers Stainless Steel 1-72	1dz. 3.35
1683*	Screws Stainless Steel 1-72 x 1/8"	1dz. 3.51
1686*	Screws Stainless Steel 1-72 x 1/4"	1dz. 3.51
1688*	Screws Stainless Steel 1-72 x 3/8"	1dz. 3.51
1689*	Screws Stainless Steel 1-72 x 1/2"	1dz. 3.56
1700*	Nuts Stainless Steel 2-56	1dz. 3.51
1701*	Washers Stainless Steel 2-56	1dz. 3.40
1703*	Screws Stainless Steel 2-56 x 1/8"	1dz. 3.51
1706*	Screws Stainless Steel 2-56 x 1/4"	1dz. 3.51
1708*	Screws Stainless Steel 2-56 x 3/8"	1dz. 3.51
1709*	Screws Stainless Steel 2-56 x 1/2"	1dz. 3.51
1710*	Screws Stainless Steel 2-56 x 5/8"	1dz. 3.73
1711*	Screws 2-56 x 3/4"	1dz. 3.56

Merchandise & Catalogs		
Key Chain		
1000*	Key Chain (Red Oxide, Yellow, Black, Blue, Red or Pink) (Specify color when ordering)	ea. 4.00
1012*	Assorted Kadee® Key Chains (4ea.-Yellow, 4ea.-Black & 4ea.-Red)	1dz. 45.00
Hang Tabs		
80+	Clear Plastic, self stick	108 pcs. 3.50
Kadee® Catalog		
85*	Kadee 2012 Catalog plus \$2.00 shipping unless ordered with additional merchandise	2.95

Kadee Quality Products
100% Guaranteed*



Prices & Availability Subject to change
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White City, OR 97503-1078
U.S.A.

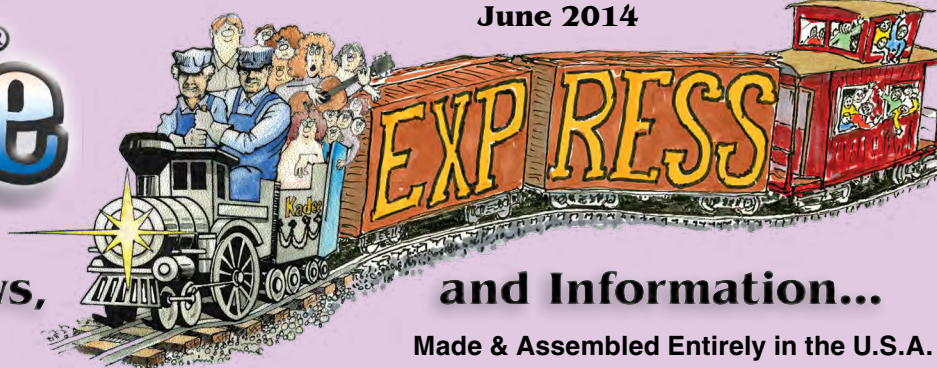
Tel: 541-826-3883 FAX: 541-826-4013 <http://www.kadee.com> e-mail: mail@kadee.com

The Coupler People®



The Coupler People®

New Products, News,



June 2014

and Information...

Made & Assembled Entirely in the U.S.A.

Bulk Pack Couplers



#10
 10 Pair - No. 5® Couplers
 without Gear Boxes - \$15.82

#11
 20 Pair - No. 5® Couplers
 without Gear Boxes - \$27.95

#12
 20 Pair - #58 "Scale" Couplers
 without Gear Boxes - \$32.55

#14
 25 Pair - #148 Whisker Couplers
 without Gear Boxes - \$43.15

#118-25
 25 Pair - #118 "SF" Whisker Couplers
 without Gear Boxes - \$46.25

#119-25
 25 Pair - #119 "SE" Whisker Couplers
 without Gear Boxes - \$46.25

#150
 25 Pair - #158 Whisker Couplers
 without Gear Boxes - \$45.35

#153-25
 25 Pair - #153 "Scale" Whisker Couplers
 without Gear Boxes - \$46.25

#156-25
 25 Pair - #156 "Scale" Whisker Couplers
 without Gear Boxes - \$46.25

#140
 50 Pair - #148 Whisker Couplers
 without Gear Boxes - \$85.85

#151
 50 Pair - #158 Whisker Couplers
 without Gear Boxes - \$88.00



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 Assembled
 Entirely in the
 U.S.A.**

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⚠ WARNING: CHOKING HAZARD - Small Parts - Not for children under 14 years.

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New Rolling Stock Now Available!

HO-Scale Ready-to-Run Super Detail Rolling Stock

Kadee® prides itself in creating and manufacturing premium "RTR" rolling stock as close to scale & detail as possible. Model railroaders can expect only the best quality & craftsmanship with every Kadee® quality product. Nothing stacks up to the accuracy, detail, quality, & authenticity of Kadee® Cars over all other "RTR" cars on the market.

Made & Assembled Entirely in the U.S.A.



40' PS-1 Boxcar 50' PS-1 Boxcar PS-2 Hopper



NEW

June 2014

4928 CG #6205 \$35.95
Lot: 8207A - Series: 6200-6207
BLT. 1954 - Factory New
Red Oxide



Made & Assembled
Entirely in the U.S.A.



- 40 Ft. Boxcar
- Movable Doors

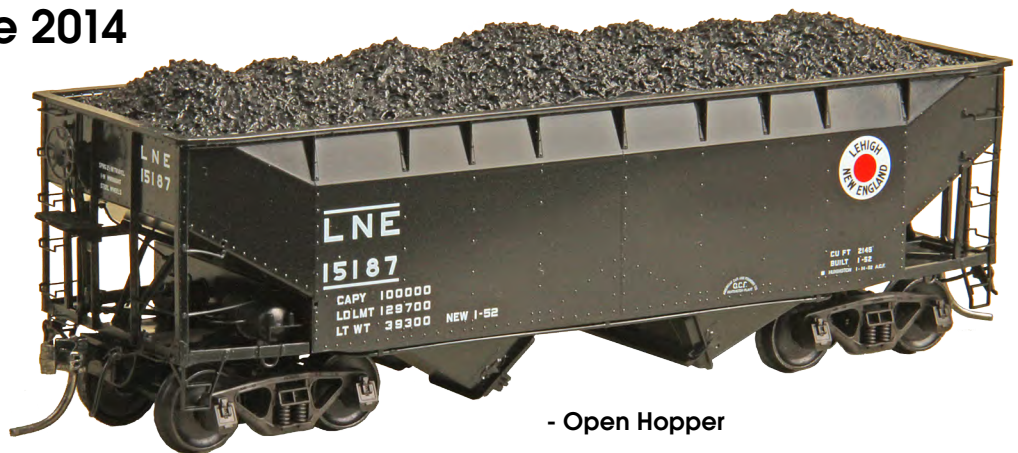
NEW

June 2014

7054 LNE #15187 \$43.95
Lot: ACF 3629 - Series: 14901-15400
BLT. 1952 - Factory New
Black



Made & Assembled
Entirely in the U.S.A.



- Open Hopper



"HGC" Two Piece Self-Centering Freight & Caboose Trucks with Code 88 Wheels



Freight Trucks

#1560 Barber® S-2 (ACL)

#1561 Arch Bar

A.S.F® A-3 Ride-Control®

#1562 Smooth Back Wheels

#1563 Ribbed Back Wheels

Bettendorf

#1564 Smooth Back Wheels

#1565 Ribbed Back Wheels

#1566 Barber® S-2-B

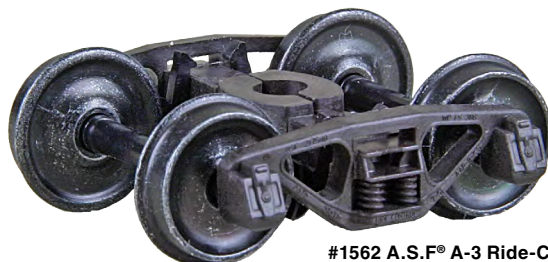
National type B-1

#1567 Smooth Back Wheels

#1568 Ribbed Back Wheels

#1569 Roller Bearing

#1570 Barber® S-2



#1562 A.S.F® A-3 Ride-Control®

Caboose Trucks

#1580 Bettendorf

#1581 Bettendorf T-Section

#1582 Barber - Bettendorf
Roller Bearing

#1583 Arch Bar



Made & Assembled
Entirely in the
U.S.A.

One Pair
\$9.95

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PRE-ORDER CARS

Last Chance to Pre-Order July Release Cars

#5310 UP #126033\$35.95 **WITH "HGC" TRUCKS**
40' Boxcar - 8' Door, Built 1957, Factory New, Red Oxide

#5315 GTW #516748\$37.95 **WITH "HGC" TRUCKS**
40' Boxcar - 8' Door, Built 1957, Factory New, Red Oxide

We have assigned production quantities, and have begun or are finishing up the production process on **July Pre-Orders**. We pre-set a number of extras, but once the extras are sold, any late orders and general release sales of the **July** cars maybe subject to **"OUT-OF-STOCK"**.

Get your Pre-Orders in early to ensure you get the cars you need for your customers.

August Pre-Orders



#4523 MKT #97747\$34.95 **WITH "HGC" TRUCKS**
40' Boxcar - 6' Door, Built 1954, Factory New, Red Oxide



#8338 NP #75261\$42.95 **WITH "HGC" TRUCKS**
Covered Hopper - Built 1957, Factory New, Alkali Resisting Gray



#7055 NC&StL #48431\$41.95 **WITH "HGC" TRUCKS**
Open Hopper - Built 1944, Factory New, Red Oxide



Highly Detailed Metal Large Scale Wheel Sets

1:29 Scale 33" and 1:32 Scale 36"

All Metal Non-Magnetic Wheels with Free Rolling Insulated Axles



#950	\$13.95	#951	\$13.95
Uncolored Smooth Back Wheels	1 Set	Uncolored Ribbed Back Wheels	1 Set
#960	\$15.95	#961	\$15.95
Black Smooth Back Wheels	1 Set	Black Ribbed Back Wheels	1 Set

September Pre-Orders



#6367 MILW #52001\$37.95 **WITH "HGC" TRUCKS**
50' Boxcar - 9' Door, Built 1961, Factory New, Red Oxide



#7053 ATSF #78299\$43.95 **WITH "HGC" TRUCKS**
Open Hopper - Built 1948, Factory New, Boxcar Red

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⚠ WARNING: CHOKING HAZARD - Small Parts - Not for children under 14 years.

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Current In-Stock HO-Scale "RTR" Freight Cars

060214

40' PS-1 Boxcars 6' Doors

4000	Undecorated	\$24.65
Boxcar Red		
4094	NYC #170769	\$34.95
Lot: 5993 - Series: 170500-171499		
BLT. 1951 - Factory New		
Boxcar Red		
4095	ATSF #31419	\$35.95
Lot: 5964 - Series: 31250-31749		
BLT. 1950 - Factory New		
Boxcar red		
4097	RI #21895	\$34.95
Lot: 8028 - Series: 21000-22999		
BLT. 1951 - Factory New		
Boxcar red		
4098	ACY #805	\$34.95
Lot: 8004 - Series: 700-849		
BLT. 1951 - Factory New		
Boxcar red		
4099	CIL #820	\$36.95
Lot: 8060 - Series: 601-851		
BLT. 1952 - Factory New		
Boxcar red		
4316	BS #6736	\$32.95
Lot: 8009 - Series: 6700-6799		
BLT. 1952 - Factory New		
Red Oxide LOW INVENTORY		
4317	RF&P #2824	\$33.95
Lot: 8042 - Series: 2801-2900		
BLT. 1952 - Repainted 1963		
Boxcar Red		

7' Doors

4828	BCK #1369	\$34.95
Lot: 8038 - Series: 1000-1499		
BLT. 1952 - Factory New		
Boxcar Red		
4830	MILW #35049	\$35.95
Lot: 8105D - Series: 35045-35074		
BLT. 1953 - Factory New		
Red Oxide		
4928	CG #6205	\$35.95
Lot: 8207A - Series: 6200-6207		
BLT. 1954 - Factory New		
Red Oxide		

8' Doors

5013	VGN #63327	\$32.95
Lot: 8048 - Series: 63100-63399		
BLT. 1952 - New		
Boxcar Red		
5014	USN #61-03044	\$32.95
Lot: 8635		
Series: 61-03028 - 61-03047		
BLT. 1953 - Repaint 1974		
Silver		

5199 Undecorated.....\$24.65

Red Oxide

5200 Undecorated.....\$24.65

Boxcar Red

5304 CNJ #23512.....\$33.95

Lot: 8401 - Series: 23500-23549

BLT. 1957 - New

Boxcar Red

5308 MP #39202.....\$34.95

Lot: 8536 - Series: 39015-39214

BLT. 1960 - Factory New

Boxcar Red

5309 L&N #7263.....\$32.95

Lot: 8399B - Series: 7200-7424

BLT. 1958 - Factory New

Red Oxide

5311 BM #76346.....\$36.95

Lot: 8323 - Series: 76000-76538

BLT. 1957 - Factory New

Blue & Black

5312 SLSF #18883.....\$36.95

Lot: 8270 - Series: 18550-19199

BLT. 1956 - Factory New

Red Oxide

5313 C&G #3425.....\$37.95

Lot: 8364 - Series: 3401-3450

BLT. 1957 - Factory New

Green

5314 SOO #137752.....\$37.95

Lot: 8497 - Series: 137750-137798 even #'s

BLT. 1959 - Factory New

Boxcar red

50' PS-1 Boxcars 9' Doors

6000 Undecorated.....\$24.65

Boxcar Red

6348 A&WP #51009.....\$36.95

Lot: 8808 - Series: 51000-51019

BLT. 1963 - New

Boxcar Red **LOW INVENTORY**

6360 DTI #18073.....\$35.95

Lot: 8759 - Series: 18000-18099

BLT. 1962 - Shopped 1962

Green

6364 BAR #6019.....\$36.95

Lot: 8689 - Series: 6000-6029

BLT. 1962 - Shopped 10-73

Bar Orange

10' Doors

6362 D&H #29135.....\$36.95

Lot: 9071 - Series: 29131-29330

BLT. 1966 - Factory New

Yellow

6363 L&N #100392.....\$36.95

Lot: 8705 - Series: 100100-100399

BLT. 1962 - Factory New

Blue

15' Doors

6737 WP #3984.....\$34.95

Lot: 8581 - Series: 3965-3989

BLT. 1960 - Factory New

Boxcar Red **LOW INVENTORY**

6738 SOU #262884.....\$35.95

Lot: 8586 - Series: 262865-262899

BLT. 1960 - New

Boxcar Red

6739 NH #40505.....\$34.95

Lot: 8340 - Series: 40500-40514

BLT. 1956 - Factory New

Orange & Black

6740 KCS #1710.....\$34.95

Lot: 8714 - Series: 1710-1714

BLT. 1962 - Factory New

Boxcar red

Collectors/Specialty Cars

6910 KDC Diagram Car.....\$25.00

Boxcar Red

6916 KDC #016.....\$38.95

2013 Troop Car

BLT. 2013

Silver

6917 KDC #017.....\$38.95

2013 Christmas Car

BLT. 2013

Silver

50-ton AAR "Standard" Open Bay Hopper

7001 Undecorated.....\$36.95

Black

7002 Undecorated.....\$36.95

Boxcar Red

7050 RDG #86025.....\$43.95

Lot: BSC 220 - Series: 86000-86699

BLT. 1955 - Factory New

Black

7054 LNE #15187.....\$43.95

Lot: ACF 3629 - Series: 14901-15400

BLT. 1952 - Factory New

Black

7501 Undecorated.....\$36.95

Black

2003 CU FT. PS-2 Hopper

8001 Undecorated.....\$35.95

Alkali Resisting Light Gray

8028 SP #401191.....\$42.95

Lot: 8346 - Series: 401100-401349

BLT. 1957 - Factory New

Alkali Resisting Light Gray

8039 SSW #77132.....\$42.95

Lot: 8405 - Series: 77100-77199

BLT. 1957 - Factory New

Alkali Resisting Light Gray

8040 IC #55038.....\$39.95

Lot: 8369 - Series: 55000-55199

BLT. 1957 - Factory New

Alkali Resisting Light Gray

8219 ATSF #82290.....\$42.95

Lot: 8359 - Series: 82000-82499

BLT. 1957 - New

Boxcar Red

8601 Undecorated.....\$35.95

Alkali Resisting Light Gray

40' & 50' PS-1 Kit Cars

4100 40' PS-1.....\$25.95

6' Door Kit Car

4105 50' PS-1.....\$25.95

9' Door Kit Car

4110 50' PS-1.....\$25.95

15' Double Door Kit Car

4115 50' PS-1.....\$26.95

10' Door Kit Car

Cushion Underframe

4120 50' PS-1.....\$26.95

9' Door Kit Car

Cushion Underframe

Log Car Kit Cars

101 Disconnect Log Car Kit.....\$24.50

102 Skeleton Log Car Kit.....\$30.15

103 Truss Log Car Kit.....\$36.65

104 Logging Caboose Kit.....\$22.60

107 Disconnect Log Car without Logs Kit.....\$20.45

LL Log Load Kit.....\$4.60

Sam's Corner

This series is to help answer the many questions about Kadee® products and to provide "Helpful Hints" to modelers using our products.
Sam the Answer Man will only be available after 1:00 p.m. PST Mon-Thu to answer your Kadee® related questions.

Sam the Answer Man: #91 June 2014 "Questions & Answers"

As many of you know there are different levels of model railroaders and each have certain levels of talents, skills, experience, knowledge, learning abilities, attitudes, opportunities, ingenuity, bravado, and support from family and friends. With this in mind, imagine receiving calls and e-mails from modelers from each level asking questions from complicated and overly technical to vague and simplistic. This is not a complaint but just pointing out the scope of inquiries we deal with. We want modelers to enjoy this hobby and enjoy using Kadee® products so we do our best to help as much as we can. The more information we can provide the easier it will be for you to enjoy Kadee® products and continue in this great hobby.

Recently we've released a number of new products and these have brought an influx of inquiries especially from less experienced modelers. One that keeps us busy is modelers asking about code 88 wheels thinking that wheel code and track code are related. A beginning modeler was worried that he couldn't run code 110 wheels on code 100 track. Now to experienced modelers this sounds really dumb but to the poor beginner who had no clue about track and wheel codes this was a legitimate concern. So after I understood his level of modeling by his question I explained the differences of track and wheel codes. Wheel code is the width of the wheels in thousandths and track code is the height of the rail in thousandths.

When you see code 110 (.110") and code 88 (.088") on wheelsets this is the width of the wheels and has no relation to the code of track.

When you see code 100 (.100"), code 83 (.083"), code 70 (.070") on track this is the height of the rail and has no relation to wheel code.

Code 110 wheels are .110" wide and are the width of all the common wheels on the market. Code 88 wheels are .088" wide and are called "semi scale". They are much narrower than the common wheels and are used by modelers that are wanting a much more prototypical looking wheel.

So when you see the two codes they are not related to any operational requirements.

Another product that's generated a lot of questions is our new Large Scale wheelsets #950, #951, #960, and #961. Actual scale size they represent 33" in 1:29 and 36" in 1:32 scale ratio, available in smooth back and rib back. Most of the questions are about the axles and if the trucks fit most makes of trucks. These do fit all of the makes of trucks we have tried them in. The axles are 2.754" long and the axle tips are .118" diameter.