### NO. TT-100 COUPLER ADAPTER

All standard Lionel cars manufactured since the war (except the 'Scout' line) are equipped with remotely operated railroad knuckle-type couplers. While several types of these couplers have been developed, as described further in this section, all of them will couple with each other. Old style Lionel couplers, manufactured prior to the war can be made to couple with modern knuckle couplers by the use of a recently-designed Coupling Adapters.

Two types are available: Adapter TT-100 for TT trucks which were used with cars of '600' and '2600' series, and Adapter TS-162 for TS trucks used with cars of '800' and '2800' series. You will note that TS-162 has a small step at point 'B' of the neck which enables the higher '800' and '2800' cars to couple with all modern cars.

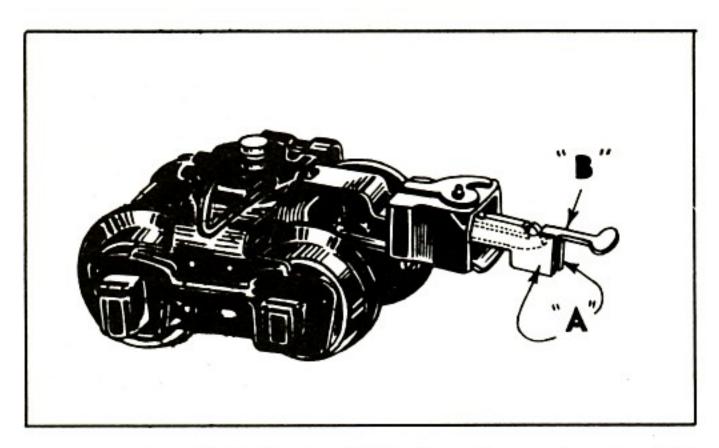


Figure 1 - Old Style 'TT' Truck equipped with Model 'A' TT-100 Coupling Adapter.

Figure 1, illustrates a TT truck equipped with the Coupling Adapter. Note that the adapter is simply fitted over the coupler hook (shown in dotted lines) so that the end of the hook projects through the slot in the adapter, as shown. If the adapter fits loosely it may be secured by squeezing it together at points 'A.' A slight vertical adjustment of the adapter head may be required to make sure it enters the mating knuckle coupler at about the center of its vertical dimension. To make this adjustment bend a step at point 'B' with a pair of pliers.

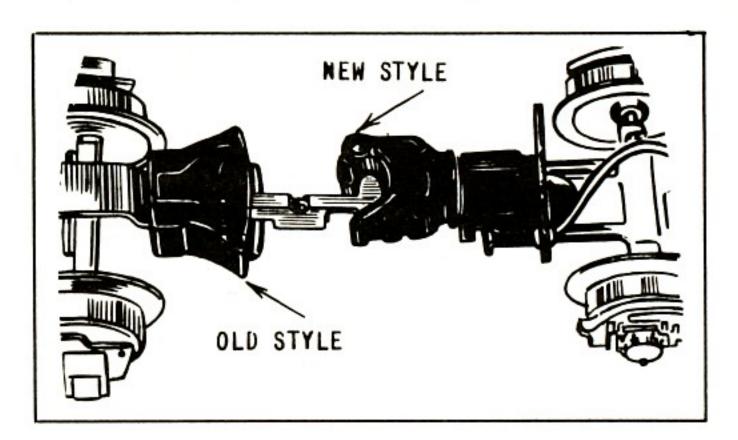
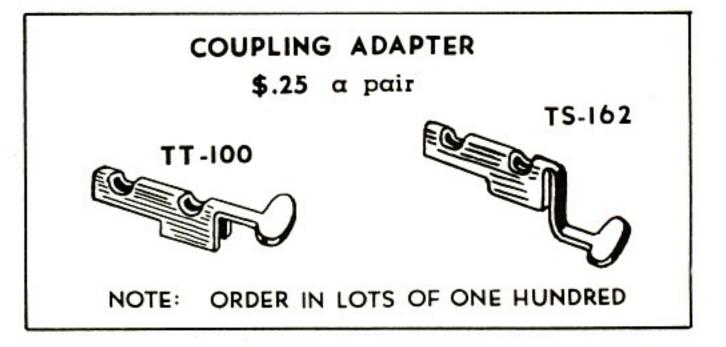


Figure 2 - Coupling Adapter shown in Coupling Position with Old Style and New.

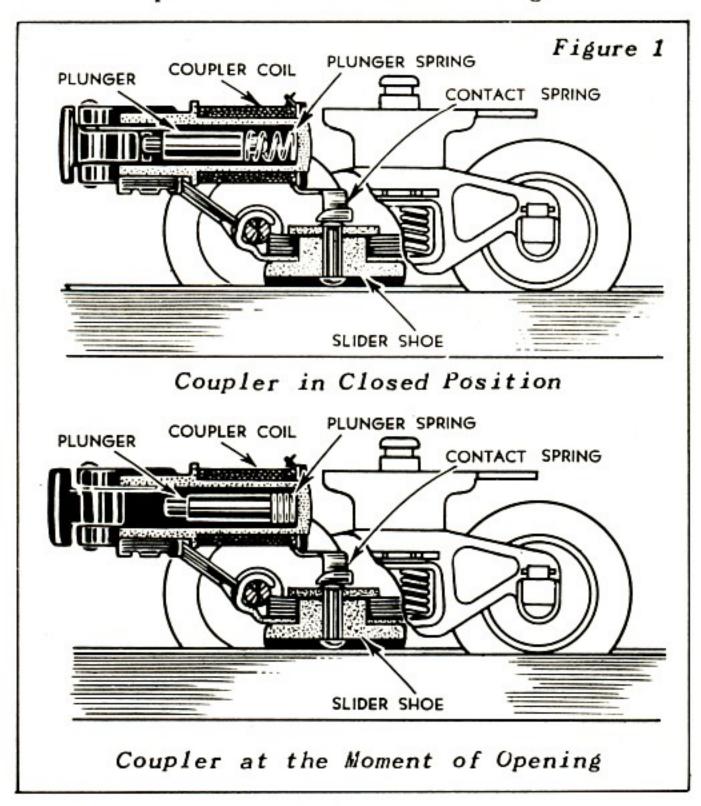
Figure 2 illustrates how the old style coupler equipped with a coupling adapter couples with a modern knuckle coupler. Note that when the two trucks are uncoupled it is the knuckle coupler which opens to release the other car. The adapter-equipped coupler becomes inoperative and cannot be opened. It is also obvious that two adapter-equipped cars cannot be coupled together directly but only by having between them a modern car equipped with knuckle couplers.

TT-100 and TS-162 Coupling Adapters provide a working conversion at a minimum of cost but at the sacrifice of remote control uncoupling feature of the converted car. Where a complete conversion is desired the old style coupler trucks can be replaced by standard modern trucks equipped with solid pressed-iron wheels and knuckle type couplers. This conversion can frequently be made merely by replacing the trucks. In some cases minor adaptations of the old car body may be necessary to permit free rotation of the new coupler trucks, such as elimination of protruding guards or relocation of the pivot holes in car body, etc.



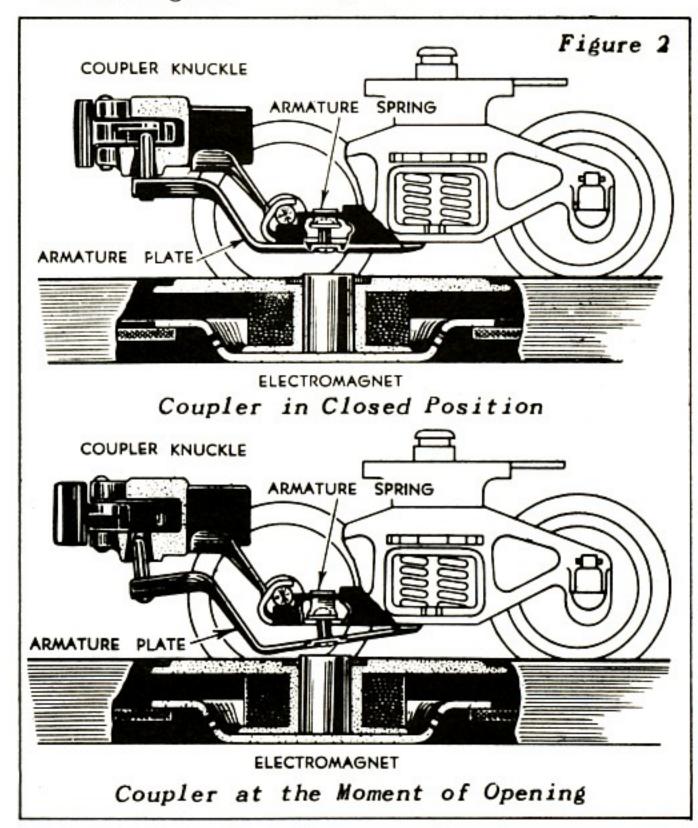
### REMOTE CONTROL COUPLERS

Although, properly speaking, all Lionel remote control operating knuckle couplers work electromagnetically, i.e., through the medium of an electromagnet, whether on the coupler itself or in the uncoupling track section, the name 'electromagnetic' has been reserved for those couplers where the coil is wound on the body of the coupler itself. The operation of these couplers is illustrated in Figure 1.



When coupler is closed, the plunger spring holds the plunger against the inside lip of the coupler knuckle, keeping it latched. When the 'Uncouple' button of the Remote Control Section controller is pressed, the electric circuit is completed through the slider shoe and the contact spring, and the plunger is pulled into the electrified coil permitting the coupler knuckle spring to snap the knuckle open.

The designation 'magnetic' has been reserved for those trucks which do not have individual coils but are operated by an electromagnet located in the uncoupling track section. The coupler has no electrical connection to the track, but is opened when its movable armature plate is attracted by the energized track electromagnet. See Figure 2.



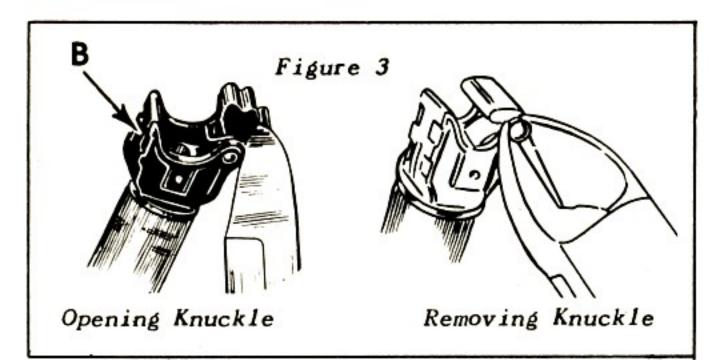
### SERVICING ELECTROMAGNETIC COUPLERS

Failure of an electromagnetic coupler to operate may be due either to some failure in the electrical circuit, such as a defective or shorted coil, poor solder connections, poor contact between the contact spring and slide shoe contact rivet or to some mechanical interference or failure.

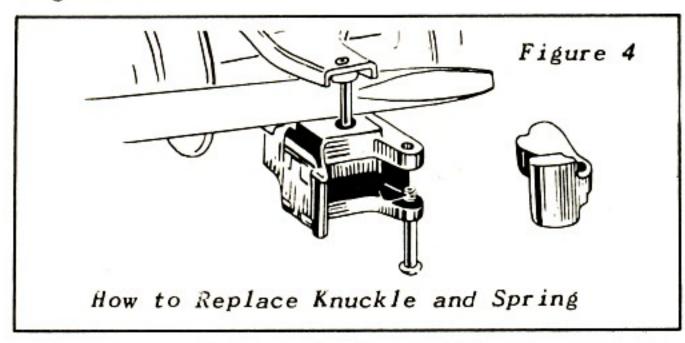
A coupler which is in good mechanical condition should open when the back end of the truck is tapped sharply on a bench or table.

- 1. If the knuckle opens by itself during operation of train, the plunger spring is too weak. To reach the spring open coupler, then pry open the knuckle using a cutting pliers for better grip, as shown in Figure 3. If knuckle becomes loosened within the coupler and opens too easily tap coupler body lightly at point B.
- 2. If knuckle or knuckle spring is broken remove by taking out pin with a pair of cutting pliers, as shown in Figure 3. To reassemble, insert new pin partly through coupler hole,

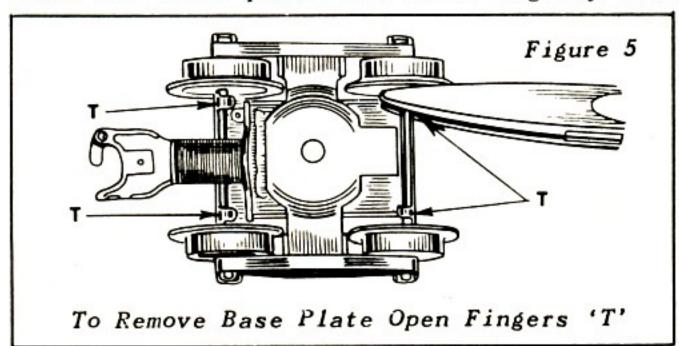
### LIONEL SERVICE MANUAL



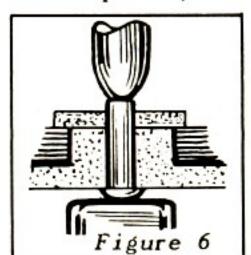
thread the knuckle spring on the projecting end of pin, as shown. Then place the knuckle in position within the coupler and push the pin through. Rivet the end of pin with a small punch or a ball peen hammer. Note that in repairing magnetic trucks the armature and pin should be kept out of the way, as shown in Figure 4.



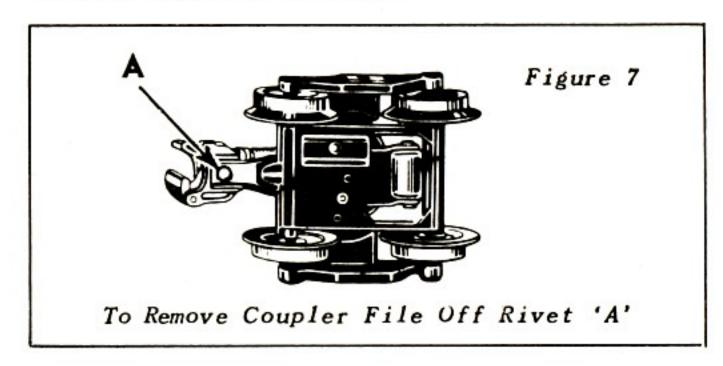
3. To replace a broken slide shoe remove bottom assembly of the truck by straightening the four fingers at the corners of the bottom plate. Bend contact spring out of the way to remove the slide shoe rivet. Reassemble shoe with its fibre plate and rivet tightly with



rivet punch, resting rivet head solidly on a

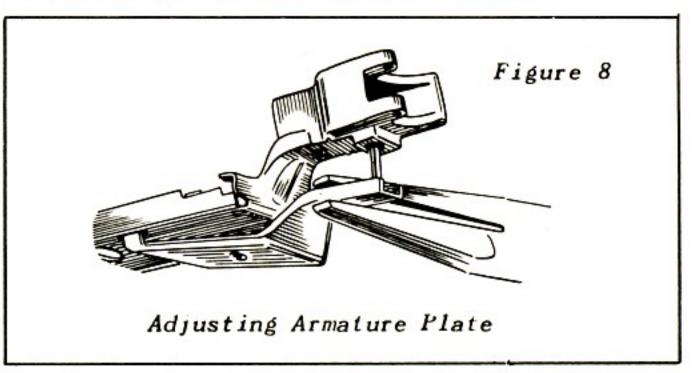


metal block as shown in Figure 6. The straight edge of the shoe must face outside of the truck. After replacing shoe bend contact spring back into place. Be sure there is enough tension. 4. If the coupler coil is defective internally, the entire coupler and coil assembly must be replaced by drilling or filing off the riveted nipple at point A.



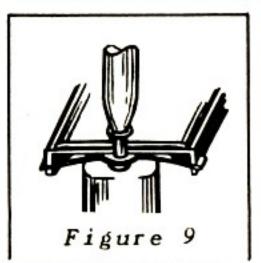
### SERVICING MAGNETIC COUPLERS

A 'magnetic' track which is in good condition should open when held flat and rapped on a bench or table. Check the armature manually to see that it works freely. Failure of the armature to close completely may be due to poor alignment of the pin in the body of the coupler. This can be corrected by adjusting the bend in the armature, as shown.



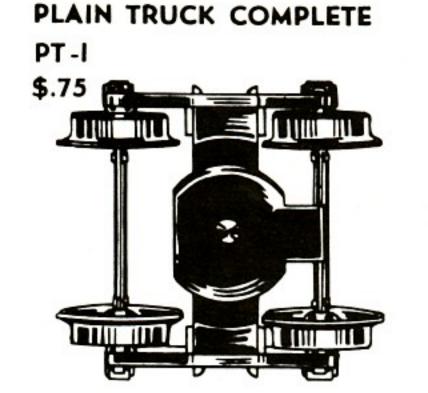
Incorrect bend in the armature may also result in too great a distance between the armature and the track electromagnet so that the coupler fails to open. In this case the ermature can be bent slightly to bring it closer to the track, always being sure that the pin remains properly aligned.

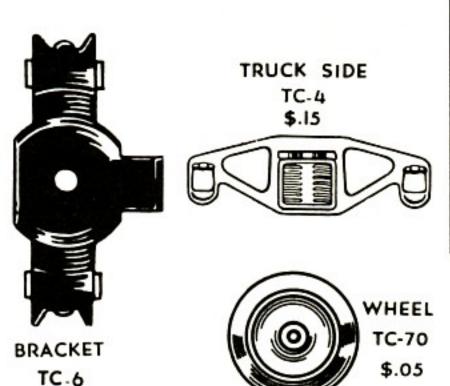
Occasionally the coupler may open by itself while the train is in motion. This may be



caused by insufficient tension of the flat armature spring. This can be increased either by riveting the spring a little more tightly, as shown in Figure 9, or by bending the spring gently.

# ELECTROMAGNETIC TRUCKS

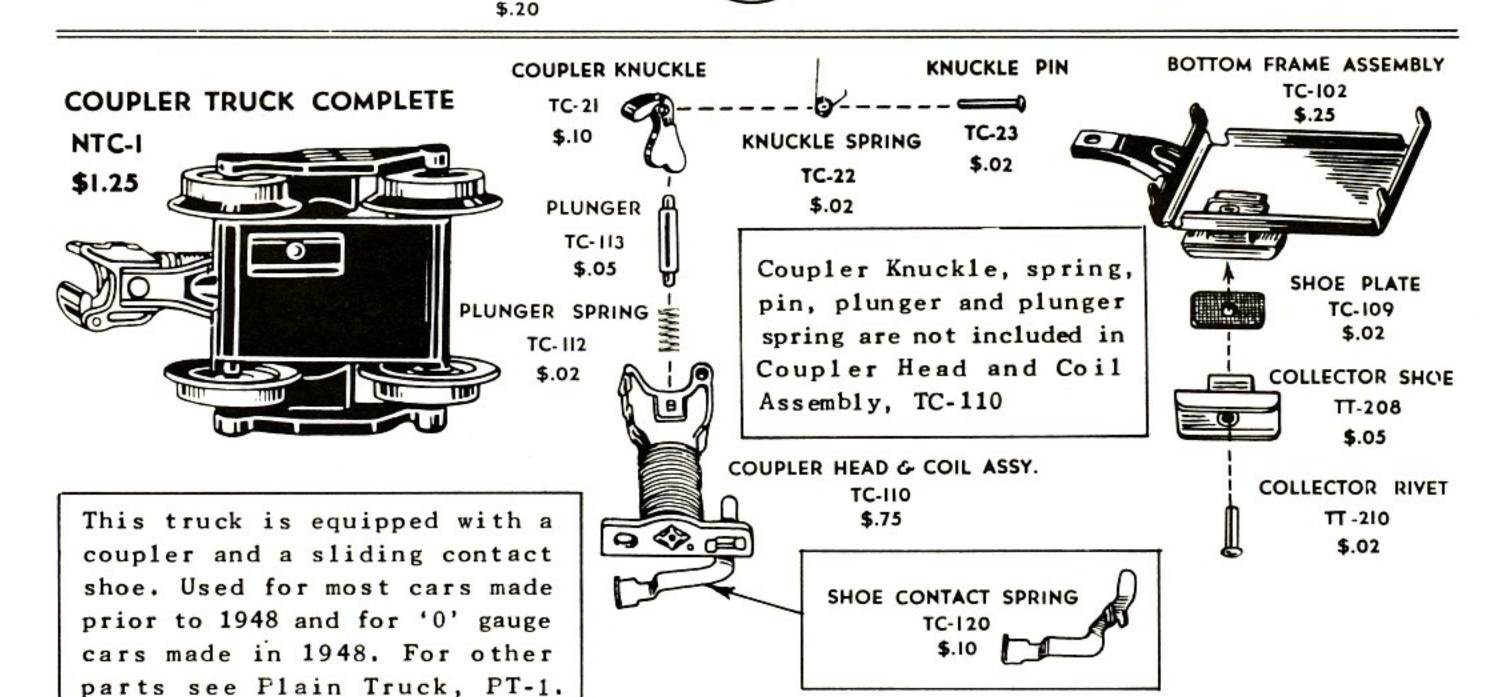


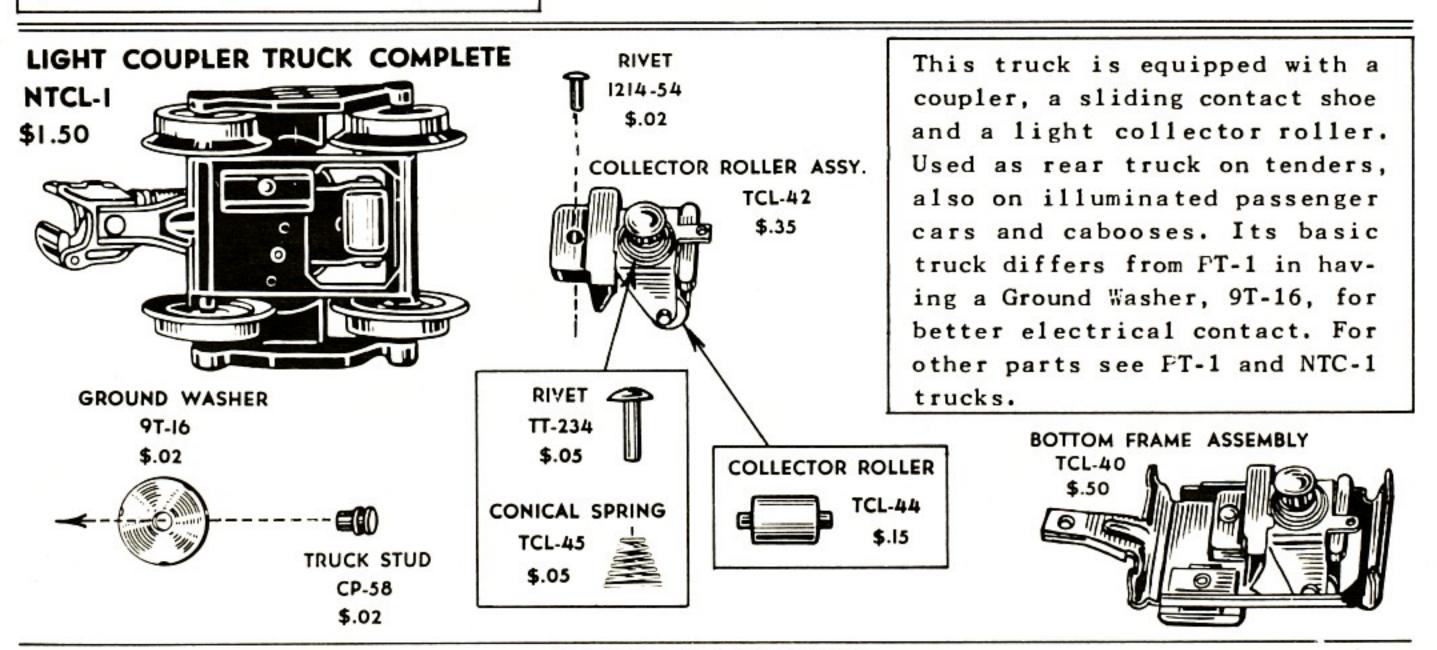


This is a stripped 4-wheel truck used for the rear of non-illuminated observation cars and cabooses and front of certain non-whistling tenders. Also forms a sub-assembly for certain other trucks of the NTC and 480 series.

AXLE TC-118 \$.05 TRUCK STUD

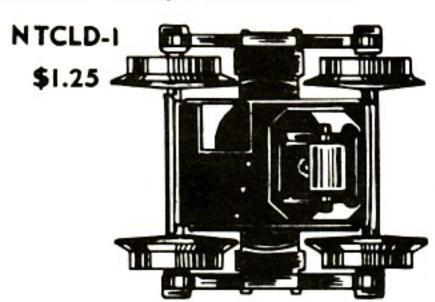
CP-58
\$.02





### LIONEL SERVICE MANUAL





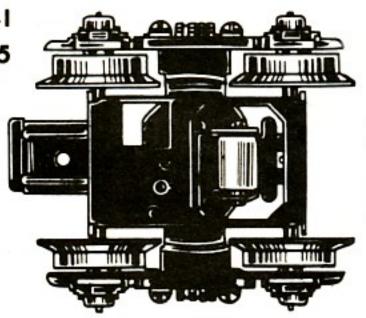
BOTTOM FRAME ASSEMBLY TCLD- 2 \$.50 COLLECTOR ROLLER RIVET ASSEMBLY 1214-54 TCL-42 \$.02 \$.35

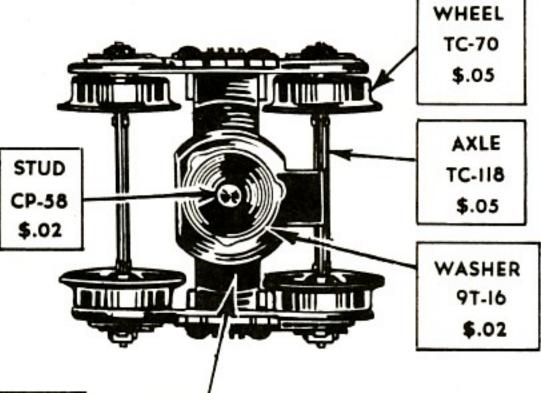
This truck is equipped with light collector roller, but no coupler. Used for rear end of most illuminated observation cars and cabooses and for front end of whistle tenders. Similar to No. 482-1 in the 'Magnetic' series. For breakdown of the Collector Roller Support Assembly see Light Coupler Truck NTCL-1.

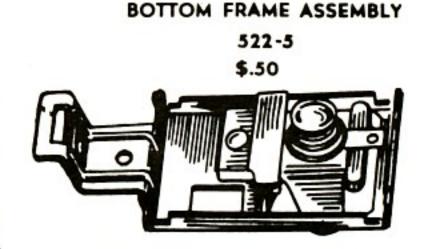
### LIGHT TRUCK COMPLETE

522-1 \$1.25

Truck Side.







This truck is used on the rear of observation cars of the '2400' series. Note that trucks in this series differ from other fourwheel trucks in using a special

TRUCK BRACKET TC-6 \$.20

TRUCK SIDE 521-3 \$.15



BOTTOM FRAME ASSEMBLY

521-4

\$.75

RIVET

1214-54

\$.02

TCL-42 \$.35

### ARTICULATED LIGHT COUPLER TRUCK COMPLETE

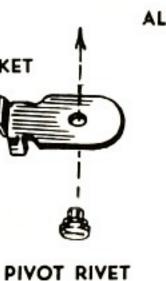
521-1 \$1.75

This truck is used on Pullman cars of the '2400' series. For Coupler Knuckle and Collector Shoe parts see Coupler Truck NTC-1. For Collector Roller breakdown see Light Coupler Truck NTCLD-1.

COUPLER HEAD & COIL ASSY.







521-9

\$.05

\$.05 EYELET 483-7 \$.02

521-8

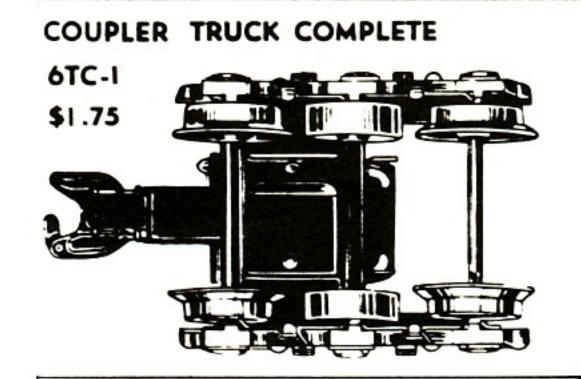
RIVET 1214-54 \$.02 ALIGNMENT SPRING SHOE SPRING 521-6 \$.10

> COLLECTOR ROLLER ASSY. TCL-42

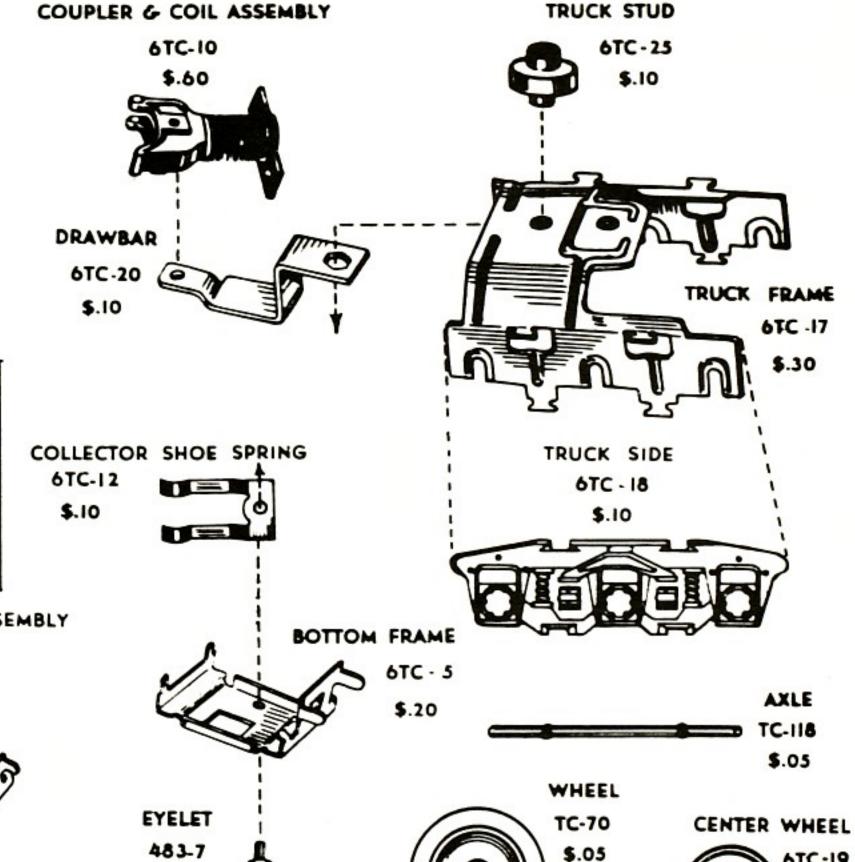
\$.35

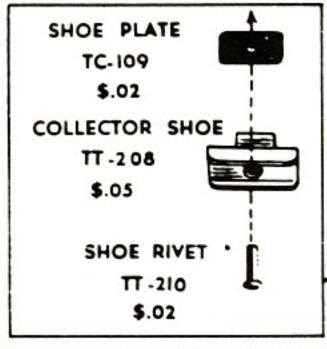
PRINTED IN U. S. OF AMERICA

\$.02



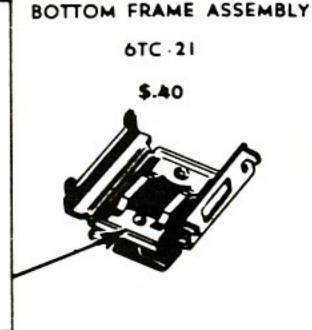
This is a 6-wheel truck equipped with a coupler and sliding contact shoe. The coupler is mounted on a rigidly fixed drawbar. This truck is used on No. 2460 Crane Car. For coupler parts see Coupler Truck NTC-1





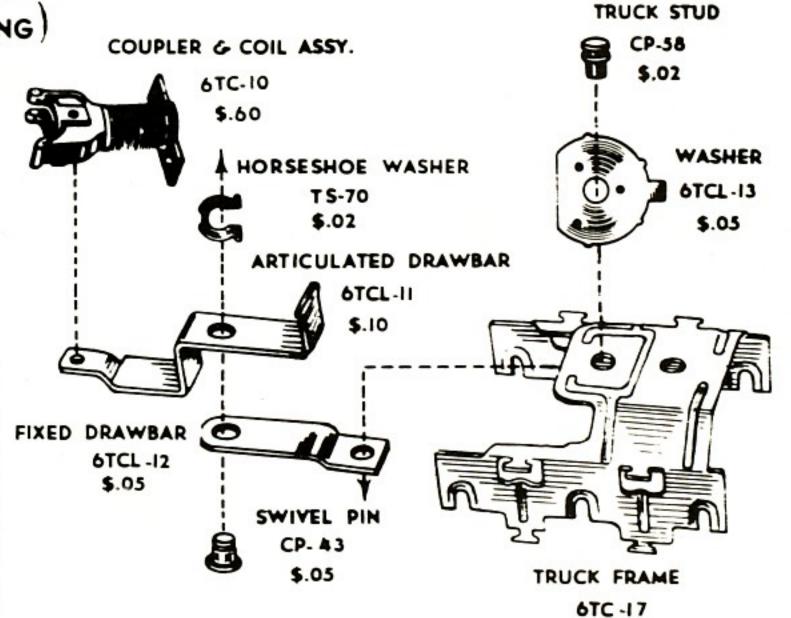
6TCL-10

\$2.00



ARTICULATED LIGHT COUPLER TRUCK (LONG)

This is a 6-wheel truck equipped with a coupler, sliding contact shoe, and a collector roller assembly. The coupler is mounted on a long, swiveled drawbar. This truck is used on pullman cars of the '2625' series. For breakdown of the sliding contact shoe and for truck parts see Coupler Truck 6TC-1, above.



BOTTOM FRAME ASSY.

\$.40

6TC -21

COLLECTOR ROLLER ASSY. 6-DT6 \$.35

RIVET SPRING TT-234 TCL-45 \$.05 \$.05

COLLECTOR ROLLER TCL-44 \$.15

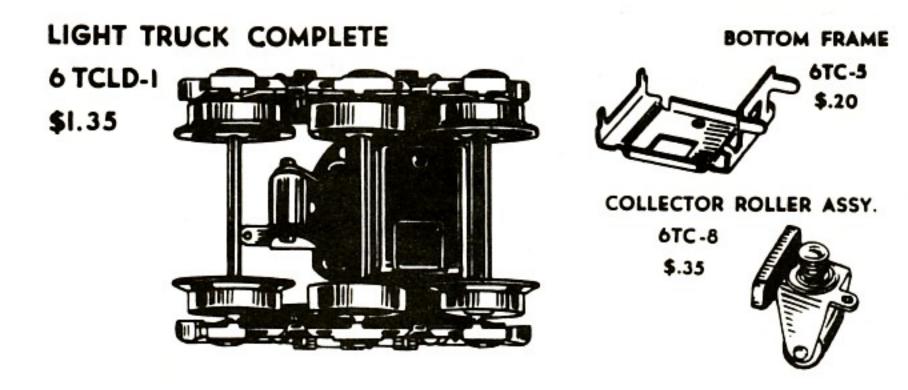
Note that in this and following two trucks the position of the truck frame is opposite to that in Coupler Truck 6TC-1, above.

\$.30

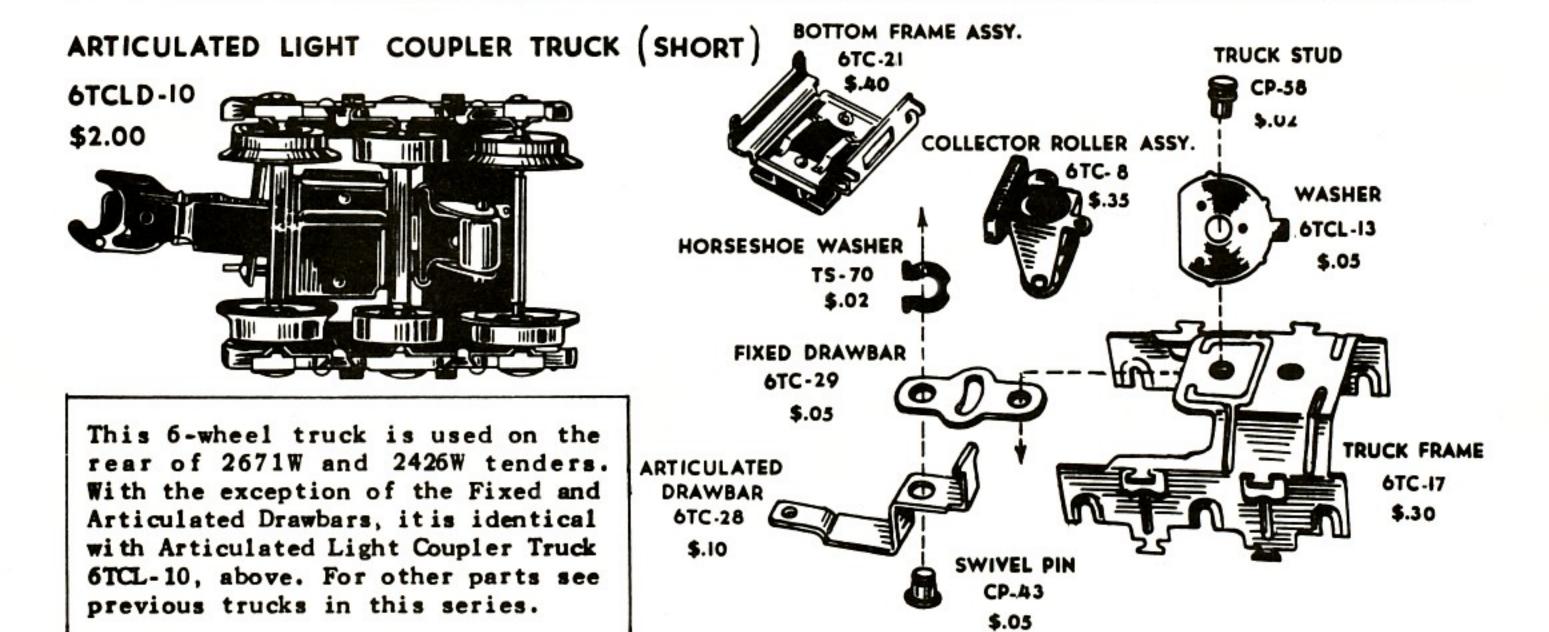
6TC-19

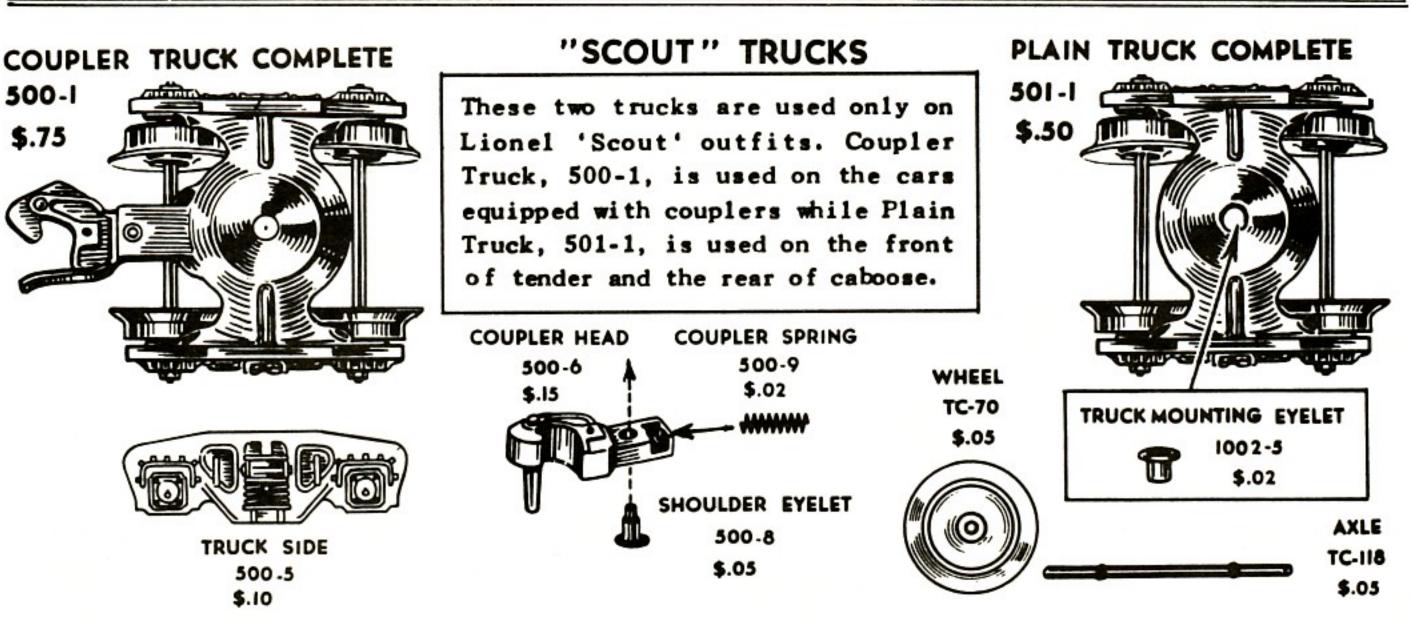
\$.10

# LIONEL SERVICE MANUAL



This is a 6-wheel truck equipped with a collector roller assembly, but no coupler. This truck is used on the front of 2671W and 2426W tenders. For breakdown of collector roller assembly and other truck parts see other truck in this series. Note that in this truck the Bottom Frame is fastened to the two rear axles.



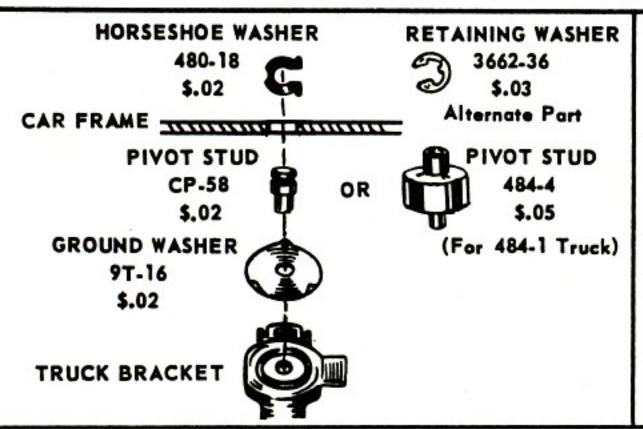


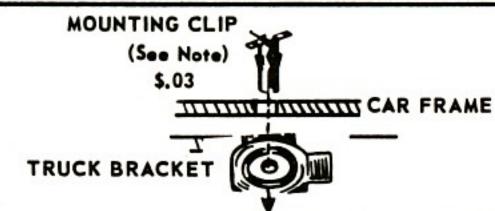
NOTE: "Scout" Trucks may be converted to couple with conventional Lionel Knuckle couplers by installing 480-25 Base Plate and Coupler Assembly.

### LIONEL SERVICE MANUAL

## IMPORTANT NOTICE

In order to eliminate duplication of parts and excessive inventories, complete trucks numbers 480-1, 481-1, 482-1 and 483-1 will no longer be available. Instead, the basic trucks listed below can be combined with any of the several base plate assemblies to form any desired truck type.



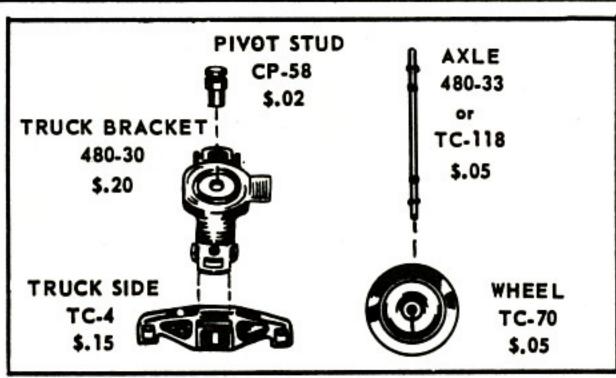


Truck Mounting Clips are made in three sizes to fit different car frames. For easy identification they are colored as shown

KI A

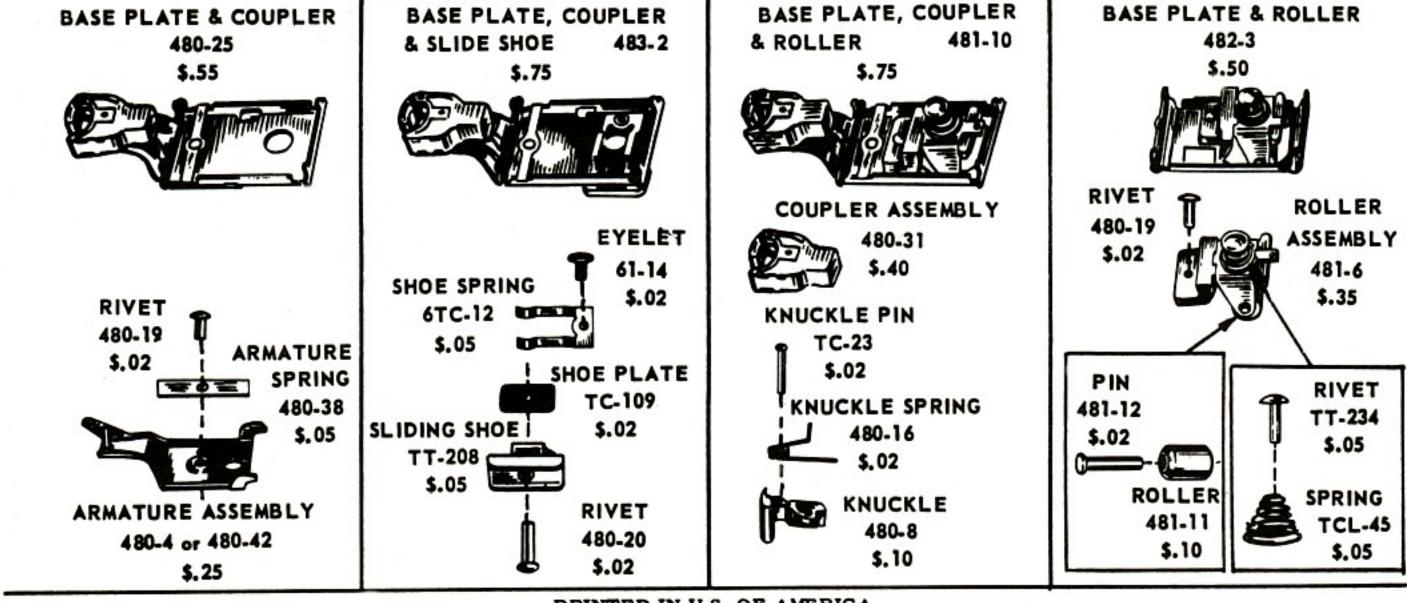
| PART NO. | COLOR    | "A"  |
|----------|----------|------|
| 6257-10  | GREEN    | .085 |
| 600-15   | ALUMINUM | .100 |
| 1002-6   | BLACK    | .145 |

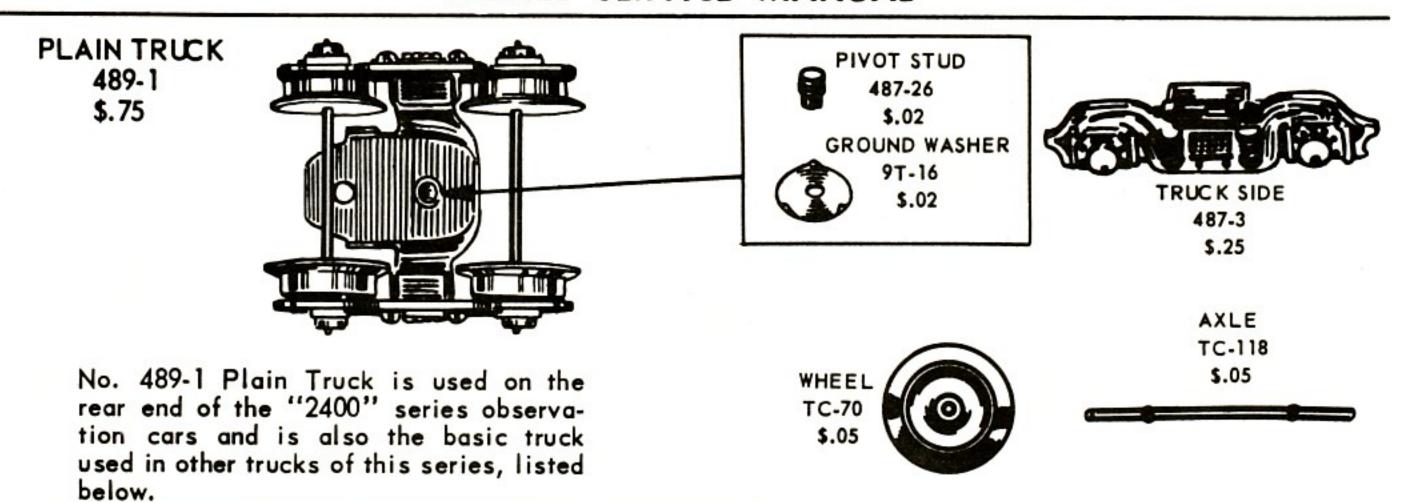


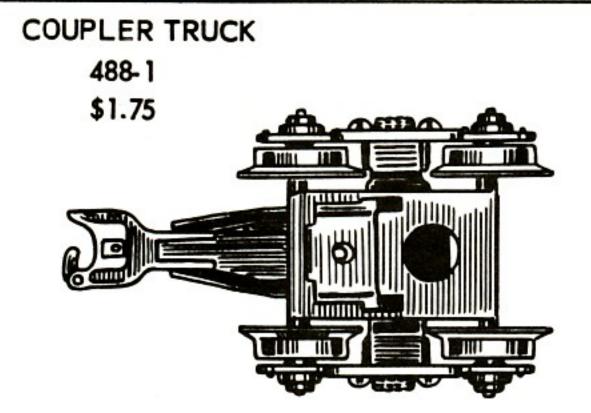


BASIC TRUCK
479-1
\$.75

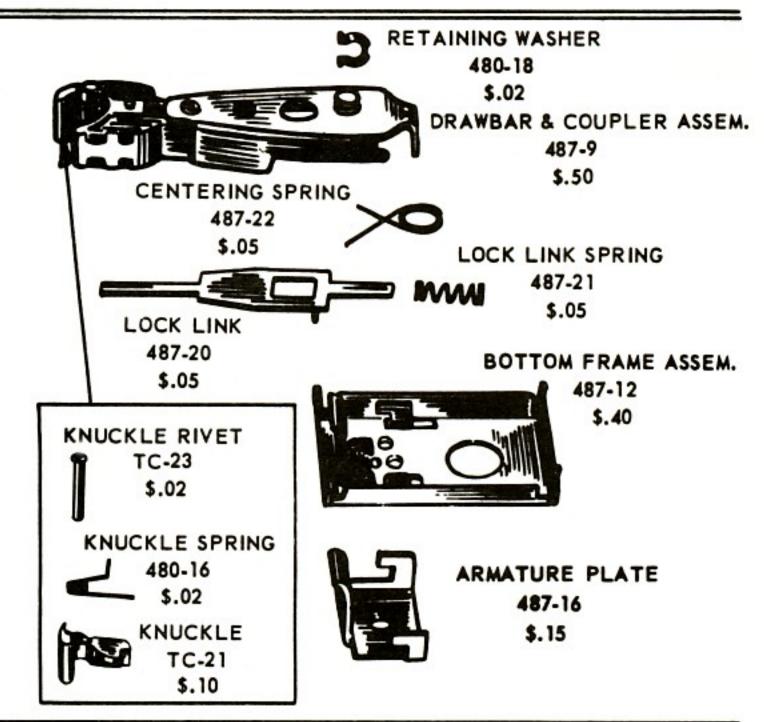
Although Basic Truck PT-1 can be easily made up by riveting Pivot Stud CP-58 to the Basic Truck 479-1, it will continue to be sold as a unit as long as stock is available. Trucks using Basic Truck PT-1 are mounted to the car frames by means of Horseshoe Washers 480-18, while trucks using Basic Truck 479-1 are mounted to the cars by means of one of the Mounting Clips illustrated. The two types of trucks cannot be used interchangeably because of the difference in the diameter of the mounting holes in car frames. A special use of the Pivot Stud CP-58 is to hold Ground Washer 9T-16. Trucks equipped with this ground washer should be used on illuminated cars and other cars requiring good ground connection to the outside rails. A special case is Truck 484-1, used on several crane cars. This truck is equipped with Pivot Stud 484-4 and Base Plate 480-25 will also be available as a unit.

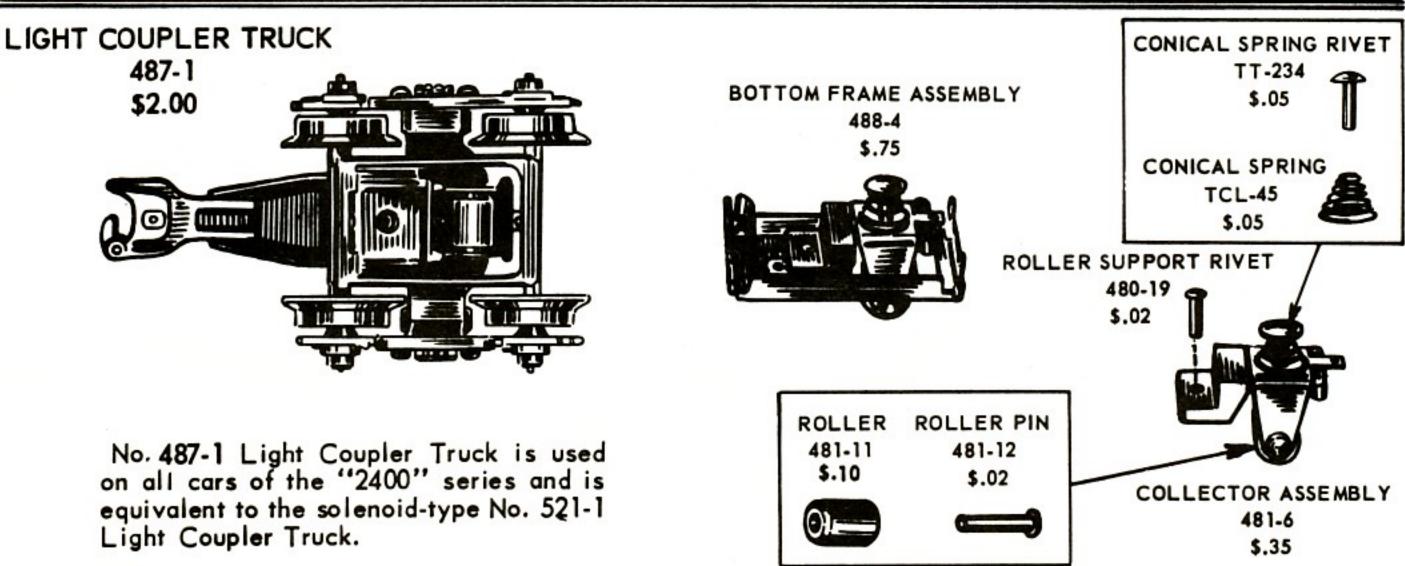


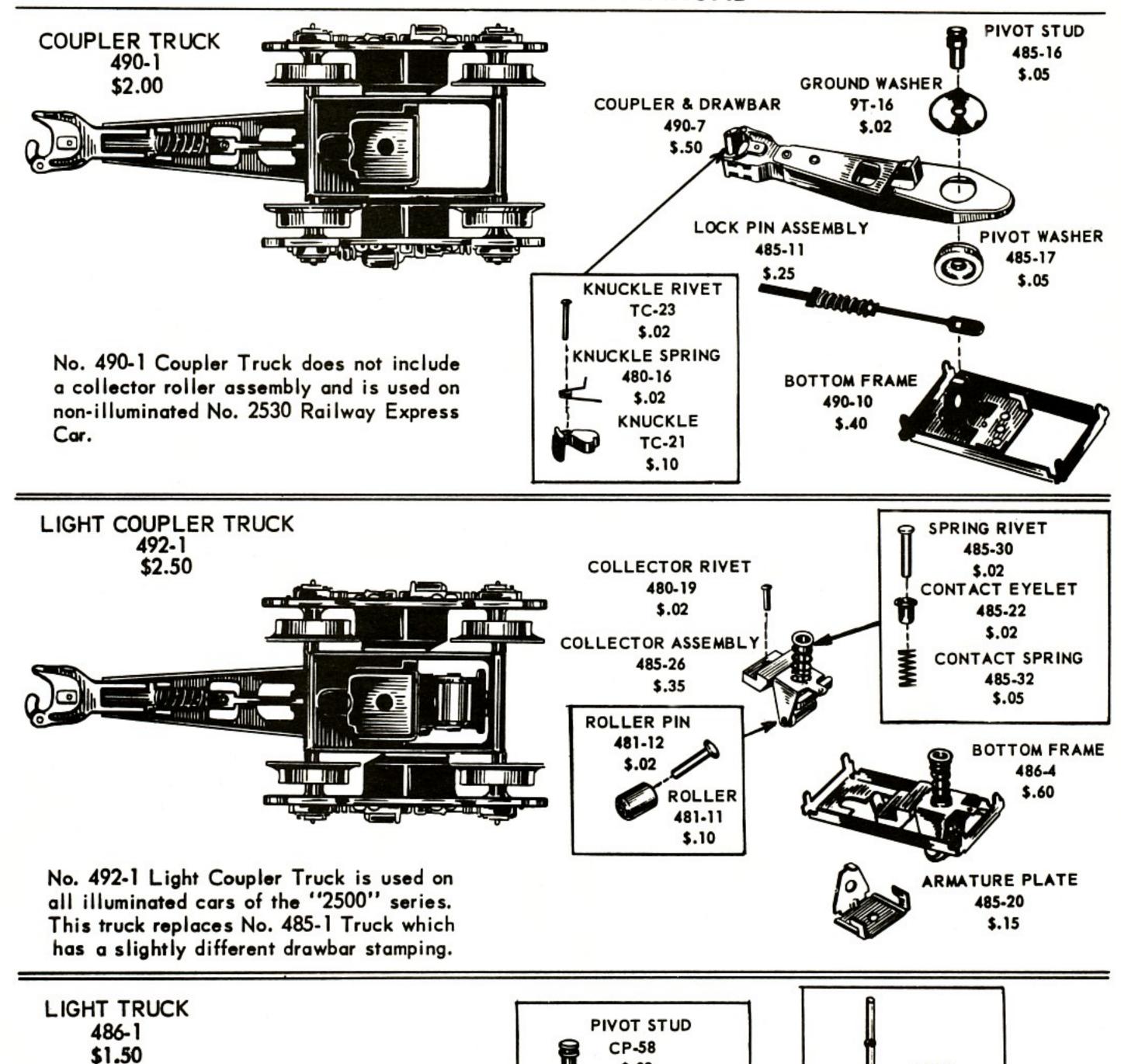


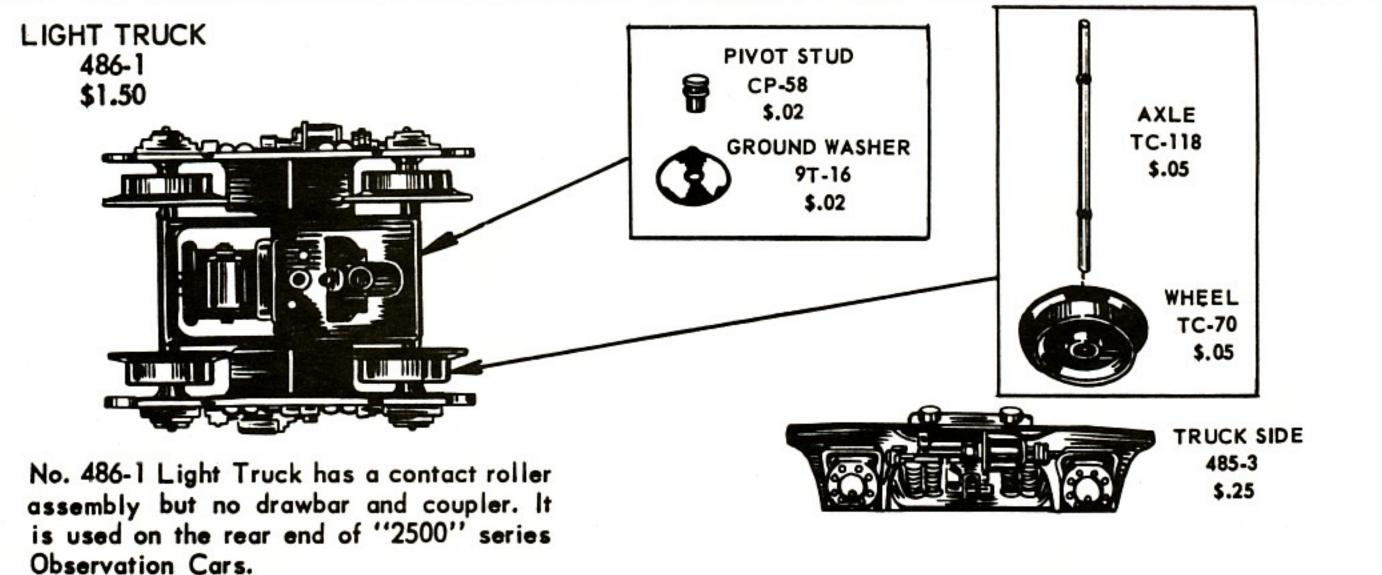


No. 488-1 Coupler Truck is used on all cars of the Coaches and Dome Cars of the "2400" series and is similar to No. 487-1 but without the collector roller.







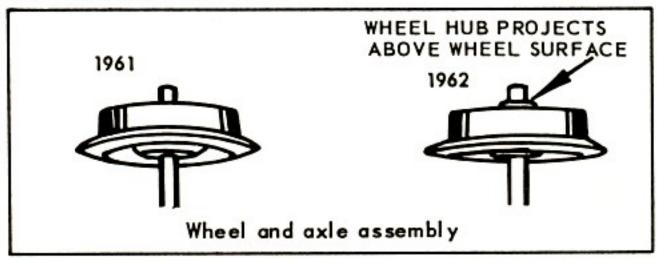


### "560" SERIES TRUCKS

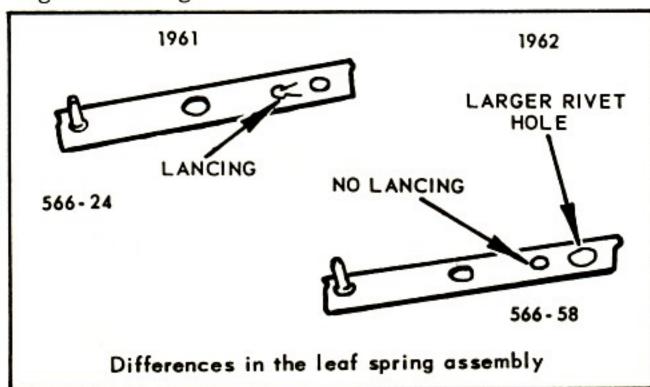
Trucks in the "560" series are distinguished by their unit construction with the truck frame being molded in one piece with the truck sides. Trucks with sides of two different designs have been included in this series: one patterned on a modern A.A.R. truck with Timken bearings and used for modern freight cars; the other modeled on an old-fashioned archbar coil spring truck and used on cars of the Civil War period.

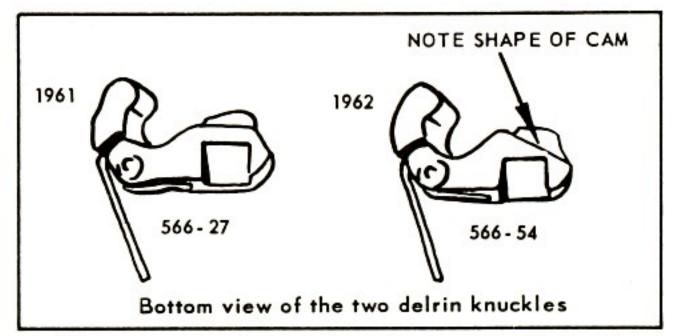
Most of the trucks in the "560" series were redesigned late in 1961 for 1962 production and were assigned "-50" suffix numbers. There are several important differences between the "-1" and the "-50" series which make their components non-interchangeable. The most important differences are listed below.

To improve molding procedure the pads on the inner surfaces of the truck sides were eliminated so that the inside surfaces are perfectly flat. To fit the new increased dimension between the truck sides and to provide the necessary clearance for the wheels, the wheel hubs were raised above the edges of the wheels, as shown below. Also the wheel treads were slightly (by approximately .010\*\*) to improve their operation on switches.



To improve the locking and release of the coupler knuckles both the knuckles and the leaf spring and pin assembly were changed in several respects. The position of the pin was changed slightly; the lancing near the spring mounting hole was eliminated; the mounting hole itself was enlarged to accommodate a larger mounting rivet.

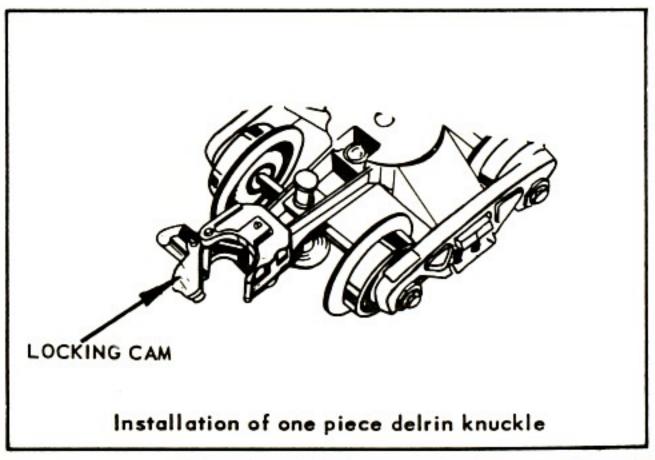


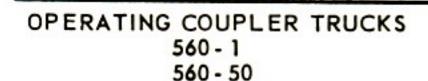


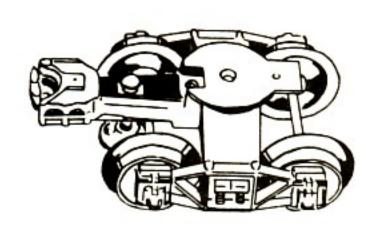
The shape of the knuckle was changed as illustrated above to conform to the new position of the pin and to provide more positive locking action.

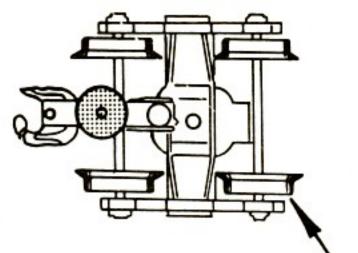
Initially all operating trucks in this and in the previous series used a die-cast knuckle, which used a knuckle spring and was mounted by means of a knuckle pin or rivet. Late in 1961 a new molded Delrin knuckle was developed which has an intergrally-molded leaf spring and pivot points and which replaced the previous three-piece assembly. Two of these molded knuckles were produced: No. 566-27 for the "-1" series and No. 566-54 for the later "-50" series. These knuckles are perfect replacements for the previously used die-cast knuckle assemblies but are not interchangeable.

Installation of Delrin couplers. To install Delrin knuckle hold it by its locking cam and insert one of the pivot points in the pivot hole in the coupler body. Then compress the pivot point brackets so that the second pivot point snaps into position in the second hole in the coupler body. Next, pull down the leaf spring to allow the coupler knuckle spring to enter freely into the recess and snap the locking cam of the coupler by pressing it in with your thumb. To avoid possible breakage of the pivot point brackets it is advisable to increase the flexibility of the material by soaking the knuckle in hot water before assembly.





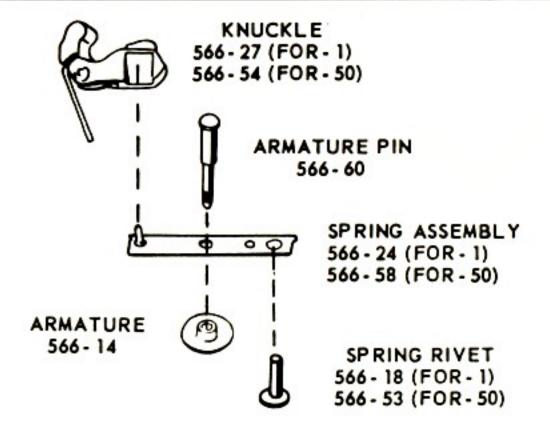




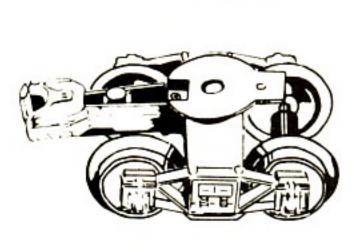
These trucks are used on freight cars of the Civil War period. They are usually mounted with No. 566 - 16 Pivot Rivets.

WHEELS & AXLE 566-32 (FOR-1) 566 - 51 (FOR - 50)

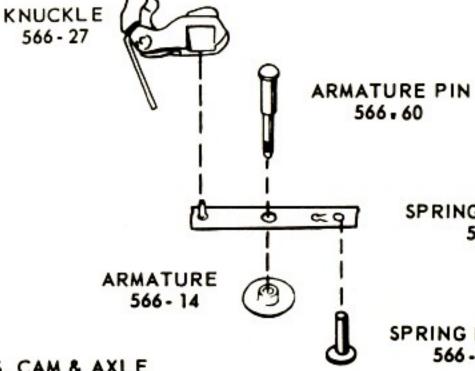
WHEELS & AXLE







566-32 (FOR-1) 566-51 (FOR-50)



SPRING ASSEMBLY 566 - 58

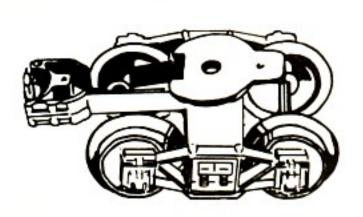
One of these trucks is used on the No. 3370 Sheriff & Outlaw Car supplied with a "General" locomotive outfit.

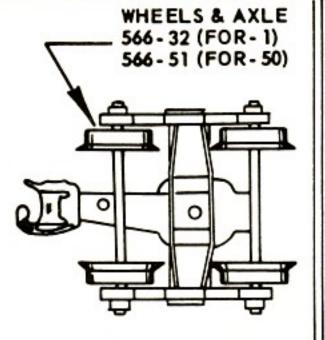
WHEELS, CAM & AXLE 566 - 151

SPRING RIVET 566 - 18

# DUMMY COUPLER TRUCKS

561-1 561 - 50



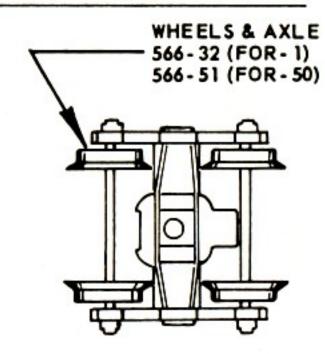


These trucks have dummy couplers and are used for freight cars in low-priced outfits.

# 562 - 50

PLAIN TRUCKS

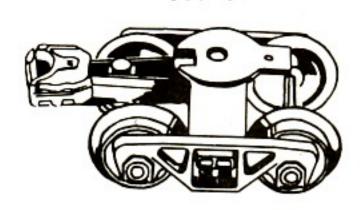
562 - 1

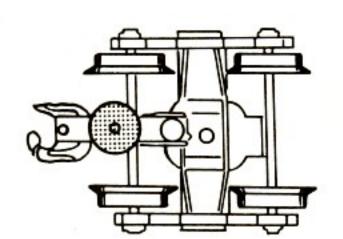


These trucks have no couplers. They are used for fronts of "General" tenders and for passenger cars of the Civil War period.

### OPERATING COUPLER TRUCKS

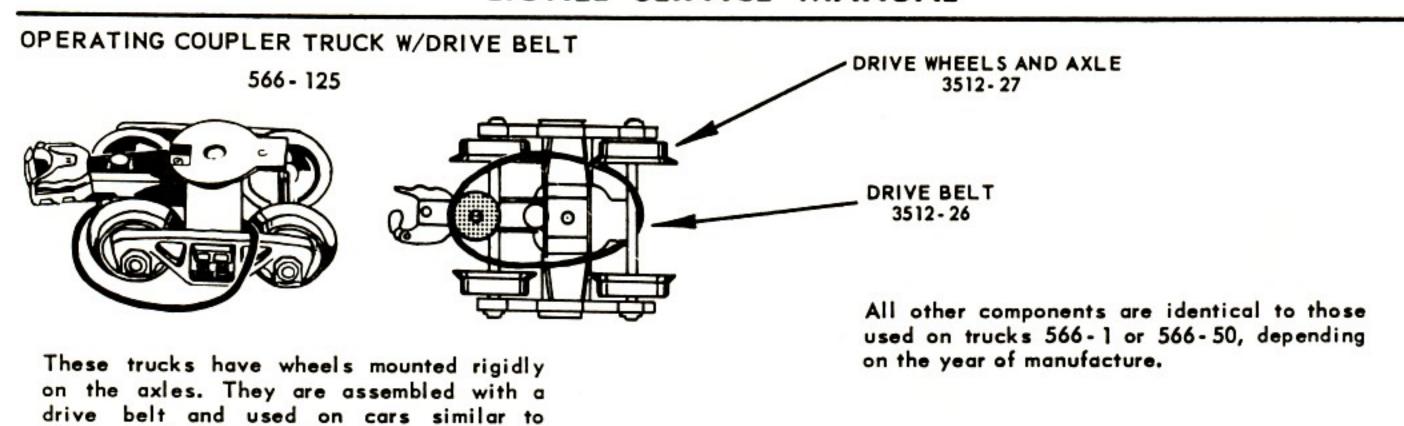
566 - 1 566 - 50





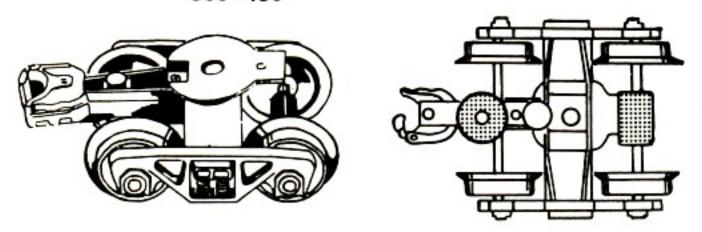
All component parts with the exception of the truck frame are identical with those used for trucks Nos. 560 - 1 and 560 - 50.

These trucks are used for all conventional non-operating freight cars and are usually mounted to the car frames by means of No. 566-16 Pivot Rivets. These trucks are also basic units on which special purpose trucks are frequently designed and assembled.



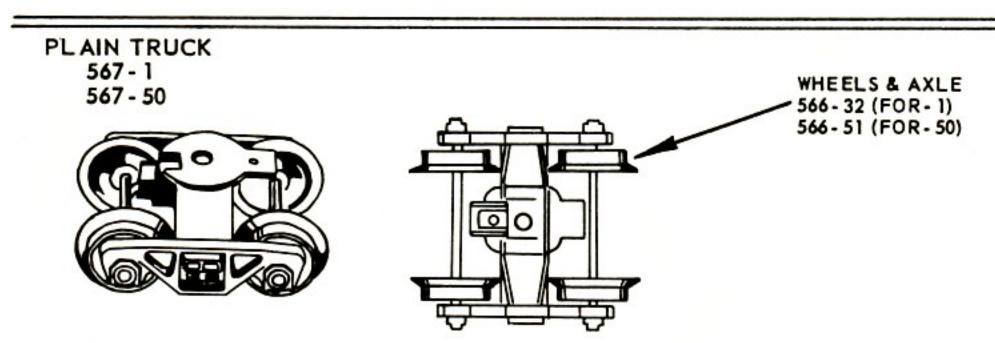
### OPERATING COUPLER TRUCK W/CAM 566 - 150

Fireman & Ladder, TV Camera, etc.

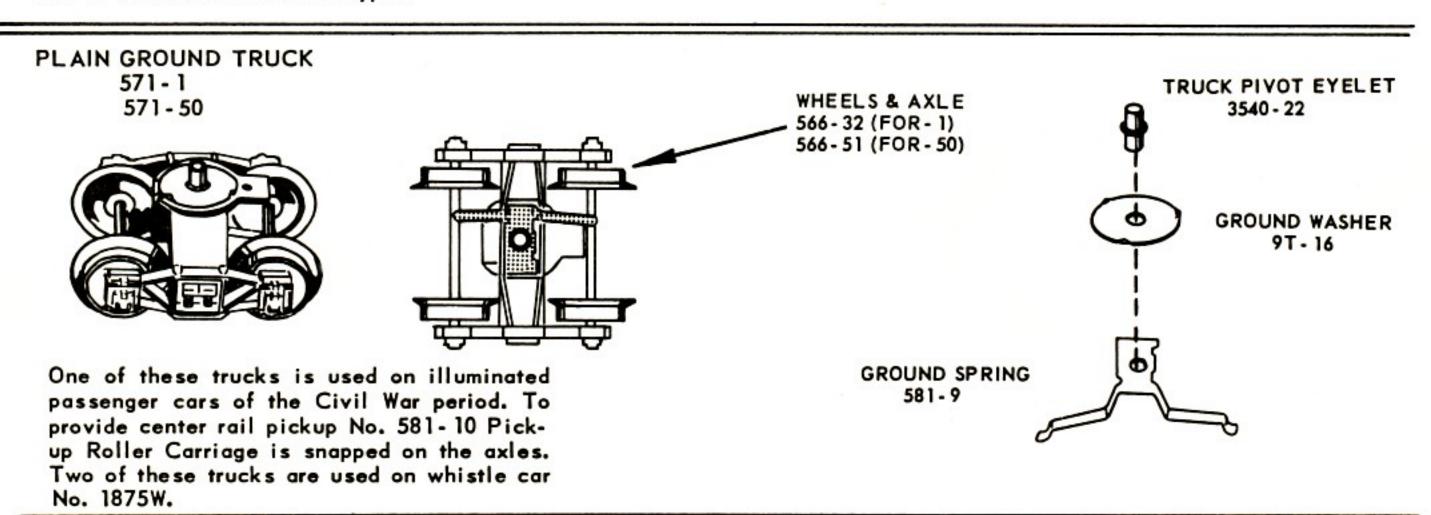


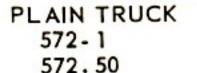
All component parts with the exception of the truck frame are identical with those used on truck No. 560-150. Trucks made after 1961 will use components of truck No. 566-50.

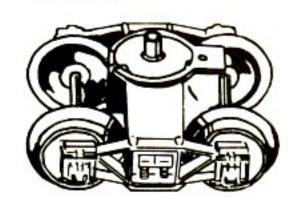
One of these trucks is used on the No. 3370 Sheriff & Outlaw Car supplied with train outfits containing cars of conventional modern appearance.

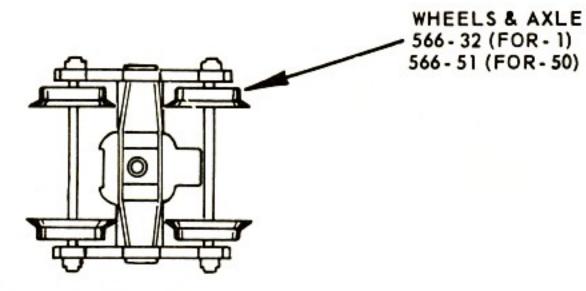


These trucks have no couplers. They were used for the fronts of tenders and for the rear of cabooses of various types.





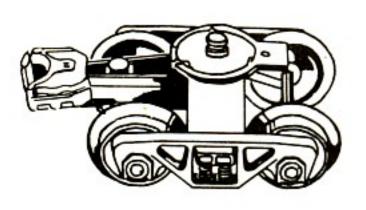


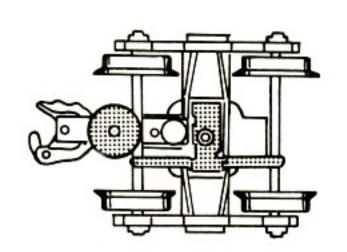


GROUND WASHER

One of these trucks was used on the illuminated passenger cars of the Civil War period. It is not used for ground contact and the ground washer is used simply as a space.

### COUPLER GROUND TRUCK 581-25





GROUND WASHER 9T-16

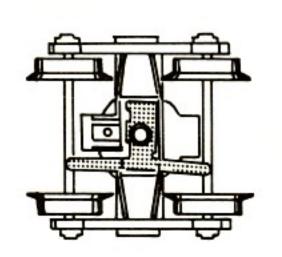
GROUND SPRING 581-9

With the addition of No. 581-10 Collector Roller Carriage this truck is used on whistle tenders and illuminated cabooses.

Other components are identical with those used on trucks Nos. 566-1 or 566-50 depending on the year of manufacture.

### PLAIN GROUND TRUCK 582-25



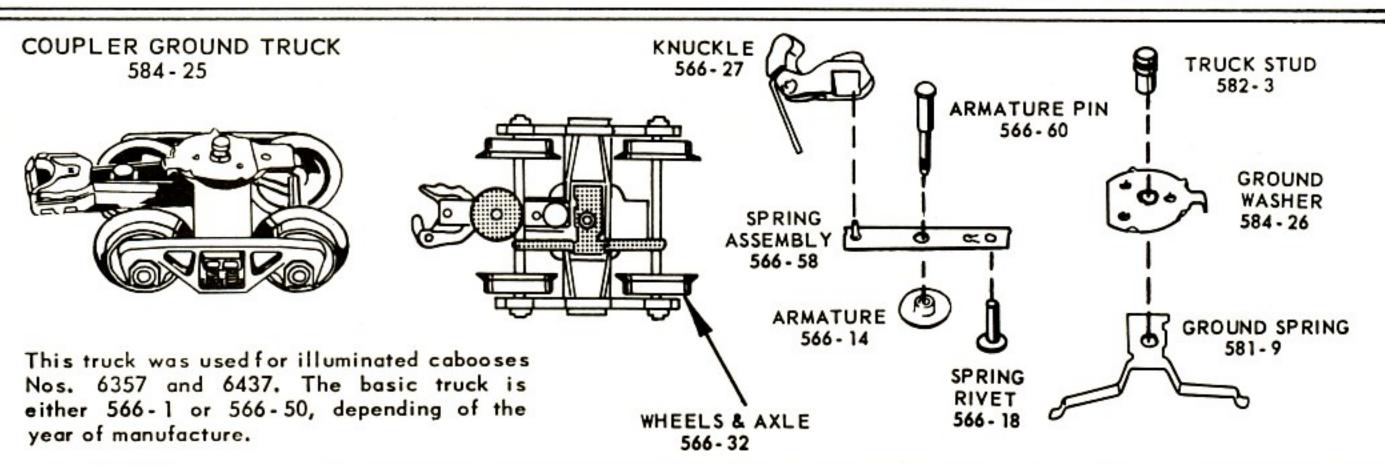


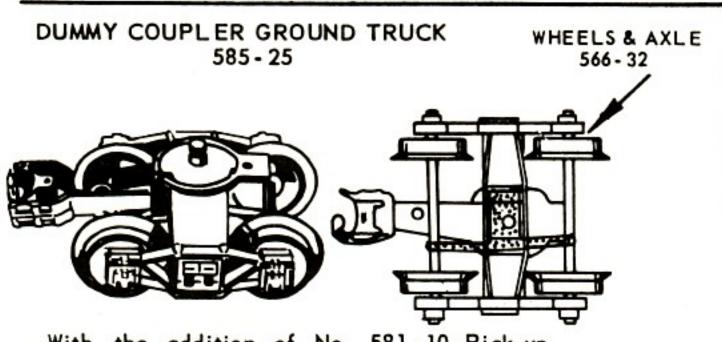
GROUND SPRING
581-9

GROUND SPRING
581-9

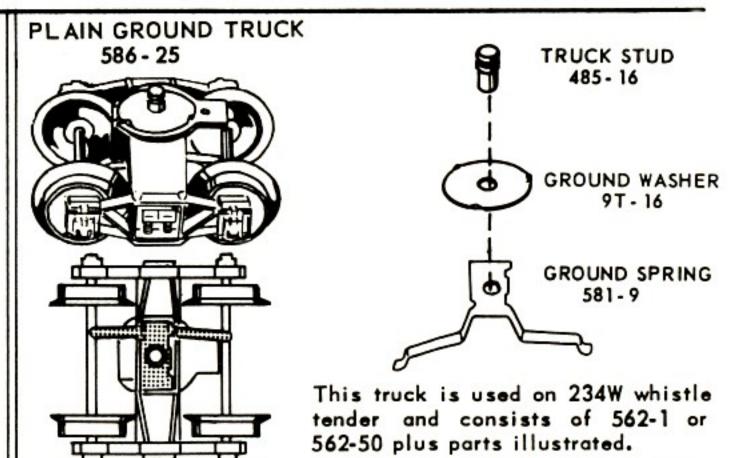
These trucks have no couplers. They are equipped with grounding washers and springs and are used on front ends of whistle tender, and illuminated cabooses.

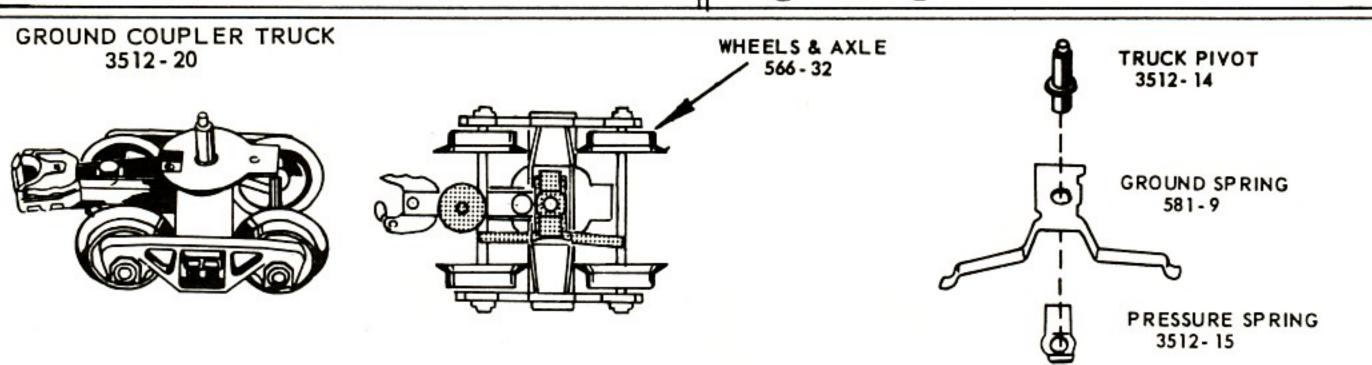
Other components of this truck are identical with those used on 567-1 or 567-50 depending on year of manufacture.





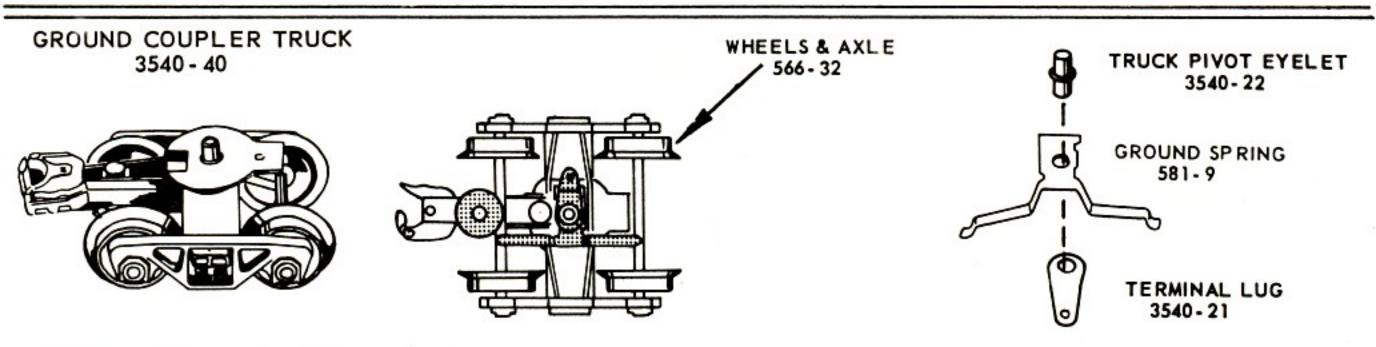
With the addition of No. 581-10 Pick-up Roller Carriage this truck is used on 234W whistle tender. The basic truck used is either 561-1 or 561-50 depending of the year of manufacture. For other parts see No. 586-25.





These trucks have a contact spring and a special pressure spring. This truck was used on Car No. 3512.

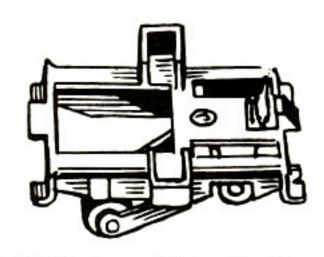
Other components are identical with those illustrated on truck No. 566-1



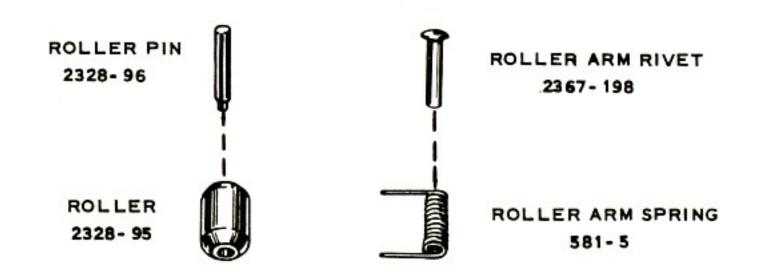
These trucks are equipped with a contact spring and an extra terminal solder lug all held by a long terminal eyelet. One of these trucks is used on No. 3540.

Other components are identical with those illustrated under truck No. 566-1 or 566-50 depending on the year of manufacture.

### PICKUP ROLLER CARRIAGE 581 - 10



No. 581-10 Pick-up Roller Carriage may be snapped on the axles of any truck and is used to contact the center rail. This part is also a perfect replacement for obsolete No. 482-3 Base Plate Assembly.



# TRUCKS AND TRUCK PARTS

| Part No.       | Bin          | Parameter to the state of the s | List<br>Price                           | Part No.        | Bin       | Description                 | List<br>Price |
|----------------|--------------|--|---|-----------------|-----------|-----------------------------|---------------|
| 6TC-1          | J-21         | Coupler Truck  | 2.00                                    | 485-30          | I- 51     | Rivet                       | . 02          |
| 6TC-5          | P-51         | Bottom Frame   |   | 485-32          | K-70      | Contact Spring              | .05           |
| 6TC-8          | P-51         | Coll. Roller Assem.  | .20<br>.50                              | 486-1           | P-15      | Light Truck                 | 1.50          |
|                | P-61         | Coupler Head & Coil  | 7.7                                     | 486-4           | I-41      | Bottom Frame                | .75           |
| 6TC-12         | P-71         | Shoe Spring  | .05                                     | 487-1           | G-19      | Light Coupler Truc          |               |
| 6TC-17         | *            | Truck Frame  | Obs.                                    | 487-3           | M-55      | Truck Side                  | .30           |
| 6TC-18         | P-71         | Truck Side   | .15                                     | 487-9           | M-55      | Drawbar W/Couple            |               |
| 6TC-19         | P-81         | Wheel  | .15                                     | 487-12          | M-55      | Bottom Frame                | .50           |
| 6TC-20         | P-81         | Drawbar  | .15                                     | 487-16          | M-55      | Armature Plate              | .15           |
| 6TC-21         | *            | Bottom Frame   | Obs.                                    | 487-20          | M-55      | Lock Link                   | . 05          |
|                |              | Doublin 1 Tallie   | 005.                                    | 487-21          | M-55      | Lock Link Spring            | . 05          |
| 6 TC-25        | P-91         | Truck Stud   | .15                                     |                 |           |                             |               |
| 6TC-28         | P-91         | Articulated Drawbar  |   | 487-22          | M-55      | Centering Spring            | . 05          |
| 6TC-29         | P-91         | Fixed Drawbar  | .10                                     | 487-26          | K-60      | Truck Stud                  | .02           |
| 6TCL-10        | *            | Light Coupler  | Obs.                                    | 488-1           | P-43      | Coupler Truck               | 2.00          |
| 6TCL-11        | *            | Articulated Drawbar  | 100000000000000000000000000000000000000 | 488-4           | P-53      | Bottom Frame                | .75           |
| 6TCL-12        | *            | Fixed Drawbar  | Obs.                                    | 489-1           | P-22      | Plain Truck                 | .75           |
| 6TCL-13        | P-81         | Ground Washer  | . 05                                    | 490-1           | P-32      | Coupler Truck               | 2.00          |
| 6TCLD-1        | J-36         |  | 1.50                                    | 490-7           | K-52      | Coupler & Drawbar           | .75           |
| 6TCLD-10       | *            | Light Coupler Truck  |   | 490-10          | K-33      | Bottom Frame                | .40           |
| 9T-16          | P-72         | Ground Washer  | . 02                                    | 492-1           | LD        | Light Coupler Truc          | k 2.50        |
|                |              |  | 55                                      | 500-1           | P-32      | Coupler Truck               | .75           |
| 61-14          | G-95         | Eyelet   | . 02                                    | 500 5           | D 03      | m1 C:1-                     | 10            |
| 479-1          | C-18         | Basic Truck  | . 90                                    | 500-5           | P-82      | Truck Side                  | .10           |
| 480-4          | P-51         | Substitute 480-42  | .25                                     | 500-6           | P-82      | Coupler Head                | .15           |
| 480-8          | P-62         | Knuckle  | .15                                     | 500-8           | P-92      | Shoulder Eyelet             | . 05          |
| 480-16         | P-62         | Knuckle Spring   | . 02                                    | 500-9           | P-92      |                             | . 02          |
| 480-18         | G-52         | Retaining Washer   | .03                                     | 501-1           | * 12      | Plain Truck                 | Obs.          |
| 480-19         | I-51         | Rive t   | . 02                                    | 521-1           | I-13      | Light Coupler Truc          |               |
| 480-20         | P-72         | Rivet  | . 02                                    | 521-3           | P-68      | Truck Side                  | . 20          |
| 480-25         | D-14         | Base Plate & Couple  |   | 521-4           | P-68      | Bottom Frame                | .75           |
| 480-30         | P-51         | Bracket  | . 25                                    | 521-6           | *<br>D 03 | Shoe Spring                 | Obs.          |
| 400 01         | D 51         | C1 TT1-A   | 40                                      | 521-7           | P-92      | Swivel Bracket              | .15           |
| 480-31         | P-51         | Coupler Head Assem   |   | 521-8<br>521-9  | P-92      | Pivot Rivet                 | .05           |
| 480-33         | P-73         | Substitute TC-118  |   |                 | H-16      | Spring                      | Obs.          |
| 480-38         | P-62         | Armature Spring  | . 05                                    | 522-1           |           | Light Truck                 | 1.50          |
| 480-42         | P-51         | Armature Assem.  | . 25                                    | 522-5           | P-75      | Bottom Frame                | .75           |
| 481-6          | A-23         | Roller Assem.  | .40                                     | 560-1           | P-42      | Oper. Coupler Trk.          |               |
| 481-10         | E-13         | Base Plate W/Roller  |   | 560-50          |           | Oper. Coupler Trk.          |               |
| 481-11         | K-57         | Roller Din   | .15                                     | 560-150         | D 34      | Coupler Trk. W/Car          |               |
| 481-12         | K-57         | Roller Pin   | . 02                                    | 561-1           | B-24      | Dummy Coupler Tri           |               |
| 482-3          |              | tute 581-10  | 75                                      | 561-50          | D 45      | Dummy Coupler Tri           |               |
| 483-2          | P-41<br>P-62 | Base Plate W/Shoe<br>Knuckle Eyelet  | .75<br>.02                              | 562-1<br>562-50 | B-45      | Plain Truck                 | .75           |
| 483-7<br>484-4 | *            | Pivot Stud   | Obs.                                    | 566-1           | B-55      | Plain Truck                 | . 75          |
| 485-3          | I-51         | Truck Side   | .30                                     | 566-14          | P-87      | Oper. Coupler Trk. Armature |               |
| 485-11         | I-61         | Lock Pin Assem.  | .30                                     | 566-16          | P-87      | Truck Pivot Rivet           | . 05          |
| 485-16         | I-51         | Pivot Stud   | .05                                     | 566-18          | P-87      | Spring Rivet                | .02           |
| 485-17         | I-51         | Pivot Stud<br>Pivot Washer   | .05                                     | 566-24          | 1-01      | Leaf Spring Assem           |               |
| 485-20         | I-61         | Armature Plate   | .30                                     | 566-27          | P-87      | Delrin Knuckle              | .20           |
| 485-22         | K-70         | Eyelet   | . 02                                    | 566-32          | P-56      | Wheels & Axle               | .25           |
| -05-00         |              |  | 66                                      |                 | 1 - 50    |                             |               |
| 485-26         | P-32         | Coll. Roller Assem.  | . 50                                    | 566-50          |           | Oper. Coupler Trk.          |               |

# TRUCKS AND TRUCK PARTS

|                    |              |  | Lict          |            |         |                        | List                     |
|--------------------|--------------|--|---------------|------------|---------|------------------------|--------------------------|
| Part No.           | Bin          | Description                            | List<br>Price | Part No.   | Bin     | Description            | Price                    |
|                    |              | —————————————————————————————————————— | Tite          | Tartio,    |         |                        |                          |
| 566-51             | P-77         | Wheels & Axle                          | . 25          | TC-23      | P-61    | Knuckle Pin            | .02                      |
| 566-53             | P-87         | Spring Rivet                           | . 05          | TC-70      | D-13    | Wheel                  | .10                      |
| 566-54             | P-87         | Delrin Knuckle                         | .20           | TC-102     | *       | Bottom Frame Asser     | n.Obs.                   |
| 566-58             | P-87         | Leaf Spring Assem.                     | .15           | TC-109     | P-63    | Shoe Plate             | . 02                     |
| 566-60             | P-87         | Armature Pin                           | .05           | TC-110     | *       | Coupler Head & Coil    | Obs.                     |
|                    |              |  |               | TC-112     | P-63    | Plunger Spring         | . 02                     |
| 566-100            | A-11         | Drive Coupler Trk.                     | 1.50          | TC-113     | P-73    | Plunger                | .10                      |
| 566-150            |              | Coupler Trk. W/Car                     | m1.50         | TC-118     | P-73    | Axle                   | . 05                     |
| 566-151            |              | Wheels, Cam & Axle                     | . 30          | TC-120     | P-73    | Shoe Contact Spring    | .10                      |
| 567-1              | I-28         | Plain Truck                            | . 75          | TCL-40     | *       | Bottom Frame           | Obs.                     |
| 567-50             |              | Plain Truck                            | . 75          | 10- 10     |         |                        | 1000 m 1000 <del>-</del> |
| 571-1              | I-28         | Plain Ground Trk.                      | . 75          | TCL-42     | P-22    | Coll, Roller Assem.    | . 35                     |
| 571-50             |              | Plain Ground Trk.                      | . 75          | TCL-44     | P-15    | Roller                 | .20                      |
| 572-1              | P-63         | Plain Truck                            | . 75          | TCL-45     | P-93    | Conical Spring         | .05                      |
| 572-50             |              | Plain Truck                            | .75           | TCLD-2     | *       |                        | Obs.                     |
| 581-9              |              | Ground Spring                          | .15           |            |         | Bottom Frame           |                          |
|                    |              | Ground Spring                          | • • •         | TS-70      | G-52    | Substitute 480-18      | .03                      |
| 581-10             | P-64         | Coll. Roller Carriag                   | e 50          | TT-208     | P-93    | Collector Shoe         | .10                      |
| 581-25             | P-21         | Coupler Ground Trk                     |               | TT-210     | P-72    | Substitute 480-20      | . 02                     |
| 582-3              | P-87         | Truck Pivot                            | .05           | TT-234     | P-93    | Rivet                  | . 05                     |
| 582-25             | P-46         |  |               |            |         |                        |                          |
| 584-25             | F-40         | Plain Ground Trk.                      | .75           |            |         |                        |                          |
| 584 <b>-2</b> 6    |              | Coupler Ground Trk                     |               |            |         |                        |                          |
|                    |              | Ground Washer                          | . 05          |            |         |                        |                          |
| 585-25<br>586-25   |              | Dummy Coupler Tri                      |               |            |         |                        |                          |
|                    | D (1         | Plain Truck                            | .75           |            |         |                        |                          |
| 600-15             | P-65         | Mounting Clip                          | .03           |            |         |                        |                          |
| 1002-5             | P-92         | Eyelet                                 | . 02          |            |         |                        |                          |
| 1002-6             | N-71         | Mounting Clip                          | . 02          |            |         |                        |                          |
| 1214-54            | P-92         | Rivet                                  | . 02          |            |         |                        |                          |
| 2328-95            | F-81         | Roller                                 | .15           |            |         |                        |                          |
| 2328-96            | F-81         | Roller Pin                             | . 05          |            |         |                        |                          |
| 3512-2             | T 45         | Drive Wheels & Axle                    |               |            |         |                        |                          |
| 3512-15            | L-45         | Pressure Spring                        | .10           |            |         |                        |                          |
| 3512-20<br>3512-26 | L-26<br>L-25 | Coupler Drive Trk.                     | 1.50          |            |         |                        |                          |
|                    | L-25         | Drive Belt                             | . 35          | 19-2       |         |                        |                          |
| 3512-27<br>3540-21 | I 72         | Drive Wheels & Axle                    | T-1000        |            |         |                        |                          |
| 3540-21<br>3540-22 | L-72         | Terminal Lug                           | . 05          |            |         |                        |                          |
| 3540-22<br>3540-40 | L-72<br>Q-43 | Truck Pivot<br>Coupler Truck           | .05           |            |         |                        |                          |
| 3662-36            |              |  | 1.50          |            |         |                        |                          |
| 4                  | N-63         | Retaining Washer                       | .02           |            |         |                        |                          |
| 6257-10            | A-62         | Mounting Clip                          | .03           |            |         |                        |                          |
| CP-43              | P-92         | Swivel Pin                             | 0.5           |            |         |                        |                          |
| CP-58              | P-92         | Truck Stud                             | . 05          |            |         |                        |                          |
|                    | *            | Coupler Truck                          | .02<br>Obs.   |            |         |                        |                          |
| NTC-1              |              | Light Coupler Truck                    |               |            |         |                        |                          |
| NTCL-1             | N-47<br>*    |  | Obs.          |            |         |                        |                          |
| NTCLD-1            |              | Light Truck                            |               |            |         |                        |                          |
| PT-1               | H-21         | Basic Truck                            | 1.00          |            |         |                        |                          |
| TC-4               | P-53         | Truck Side                             | .15           |            |         |                        |                          |
| TC-6               | D 31         | Substitute 480-30                      | 15            |            |         |                        |                          |
| TC-21              | P-71         | Coupler Knuckle                        | .15           |            |         |                        |                          |
| TC-22              | P-93         | Knuckle Spring                         | . 02          | * These it | ems are | e obsolete and no long | er availa                |