

LIONEL SERVICE MANUAL

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.

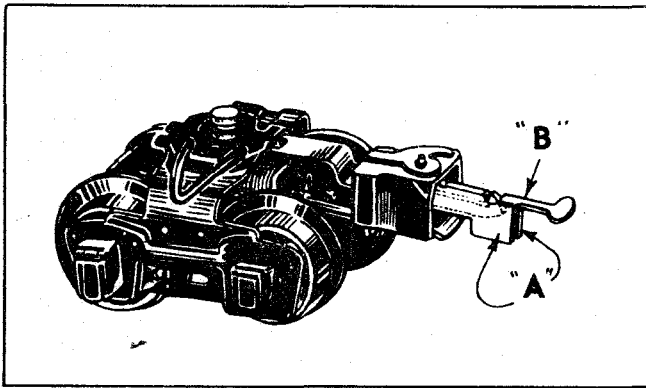


Figure 1 - Old Style 'TT' Truck equipped with Model 'A' TT-100 Coupling Adapter.

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.

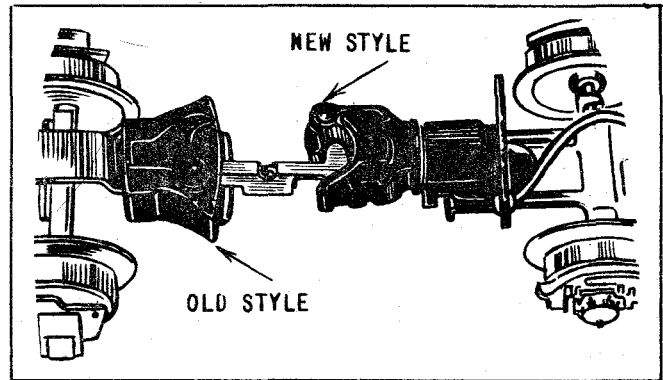


Figure 2 - Coupling Adapter shown in Coupling Position with Old Style and New.

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.

