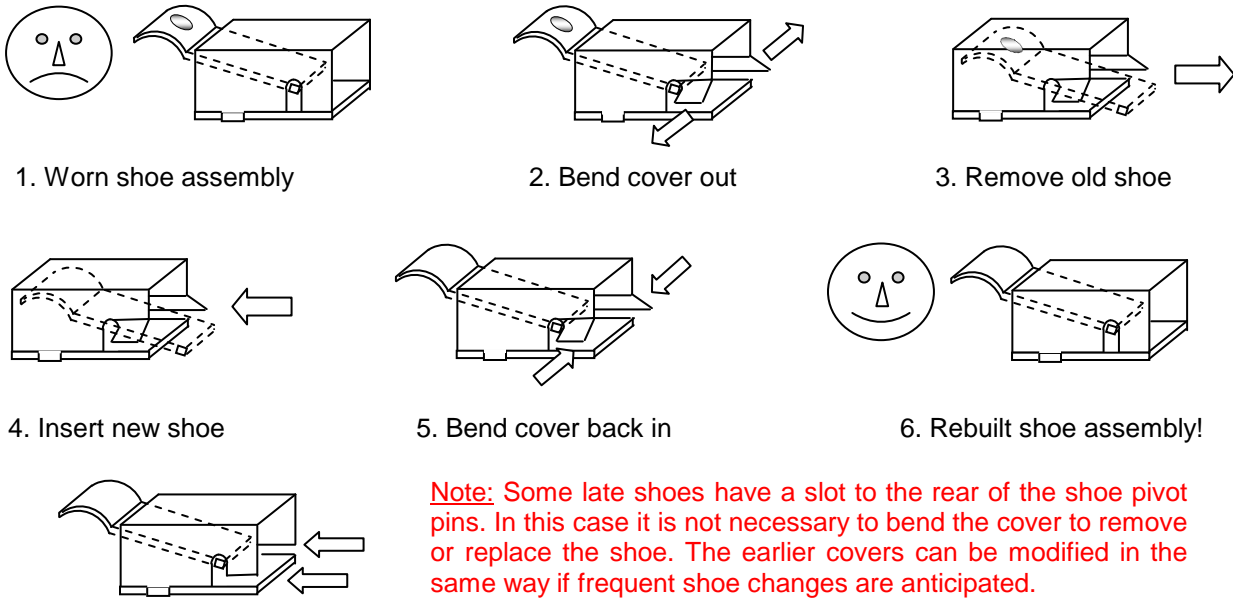


REPLACING WORN 0-4-0 SIDE COLLECTOR SHOES (INCLUDING VARIATIONS)

The centre shoes are easily changed by undoing the countersunk screw which secures the retaining channel. The side shoes are of the same type but the complete assembly is unavailable, so existing ones must be re-shoed. Do not fall into the trap of trying to remove the shoe channel from the mounting bracket. It is not necessary and it is not easy to reassemble without distortion or damage to the insulating card. When replacing shoes, always inspect the leaf spring and adjust if necessary. The tension should be just sufficient to lift the shoe through its full travel within the cover channel. Undue pressure contributes to excessive wear and loss of traction. The sequence of diagrams below shows how it should be done.

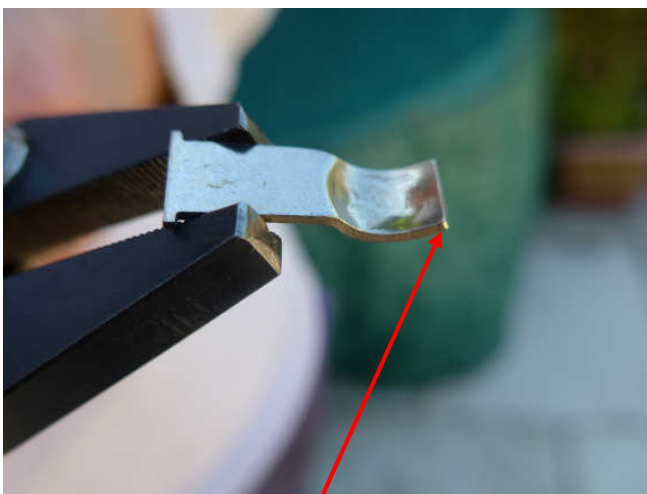
Note that the method is equally valid for Cadet or Junior Train battery locos and for the shoes employed on the Lighted Brake Van.



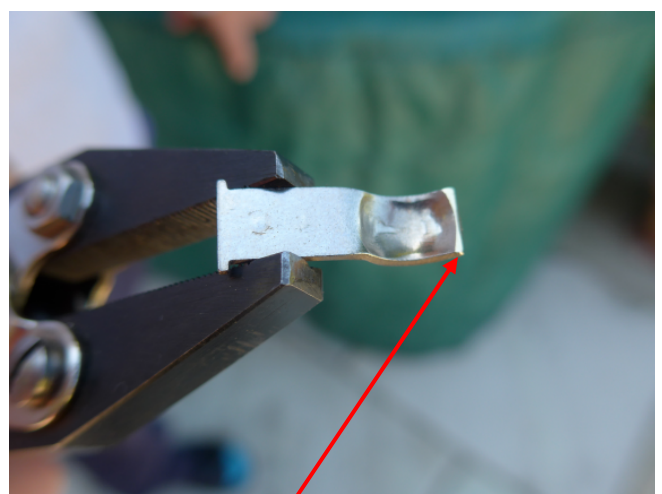
REPLACING WORN 0-4-0 SIDE COLLECTOR SHOES WITH “SPOONED” Trix Express SHOES

Note that the later Trix Express shoes which have a “spooned” pickup area can sometimes “catch” when attempting to slide them into the shoe cover as shown above.

The problem can be overcome simply by filing the sharp corners off the inside of the leading edge of the shoe as shown in the photos below. There is no need to file down to a razor sharp edge. Just flattening the shoe below the pointed corners should lower the shoe sufficiently to slide it into the housing.



SHOE AS SUPPLIED



SHOE AFTER FILING