

Converting a S scale S-Helper Showcase Line SW-1 into an On30 SW-1N

By
Alan Carroll
19 Elm Court
Andover MA 01810
978-902-0131
alan@cdrafting.com

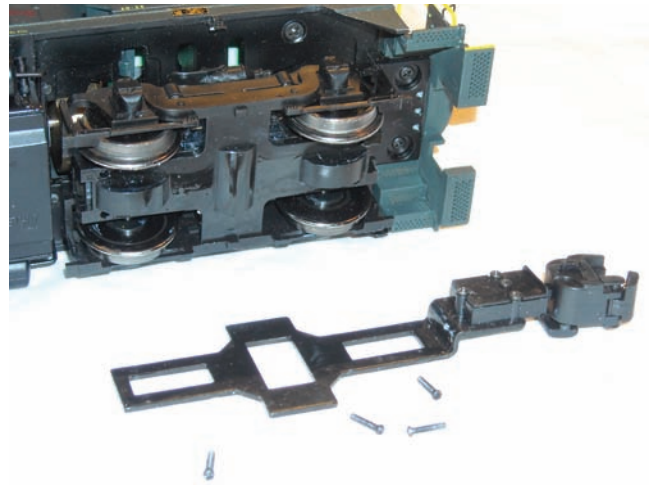


The end product.

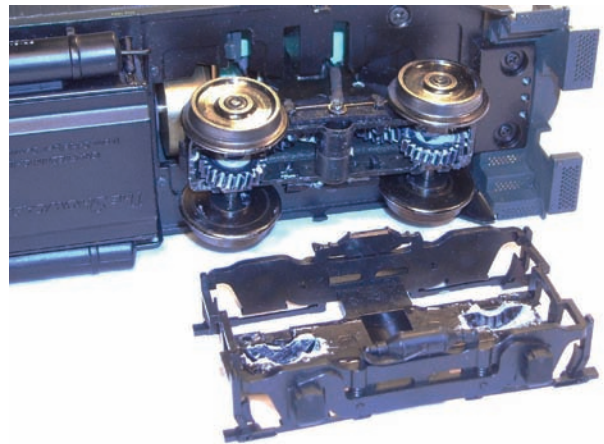
I am showing a simple straight forward approach to this kitbash. Of course you can do a lot more to this engine, the potential is there.



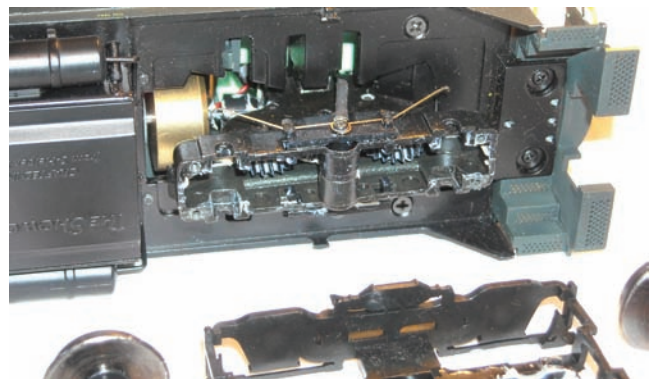
Underside of truck as delivered with the highrail wheelsets. These will be removed and the scale wheelsets provided will be used.



Remove the coupler support plate.
If you wish the coupler mount can be cut off and you can reinstall the plate at the end of the project.



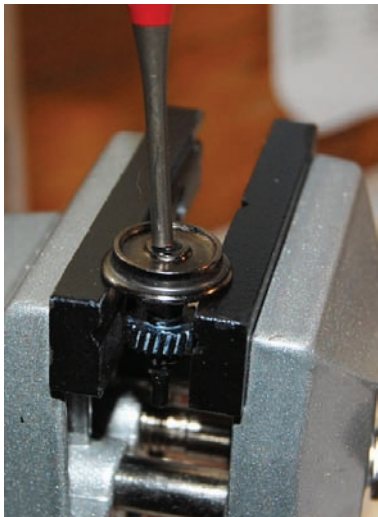
Remove the truck side frames.
These snap on at each end of the truck frame.



Wheels removed showing the electrical pickups which snap out. The pickups will be altered to clear the regauge wheelsets.



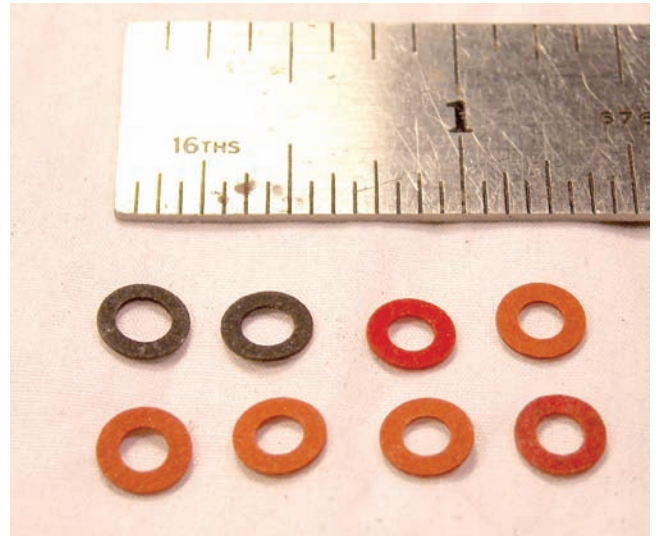
Here is the scale wheelsets provided with the S scale SW-1



The center insulating hub and axle need to be pushed out. Sometimes they can be tight but to date I have only needed a small amount of force to dismantle the wheelsets.



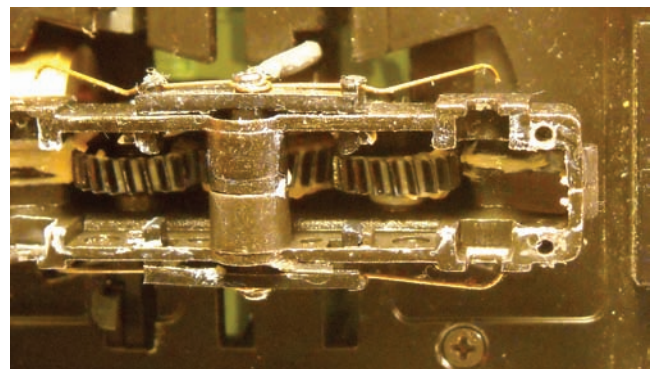
Disassembled wheelset



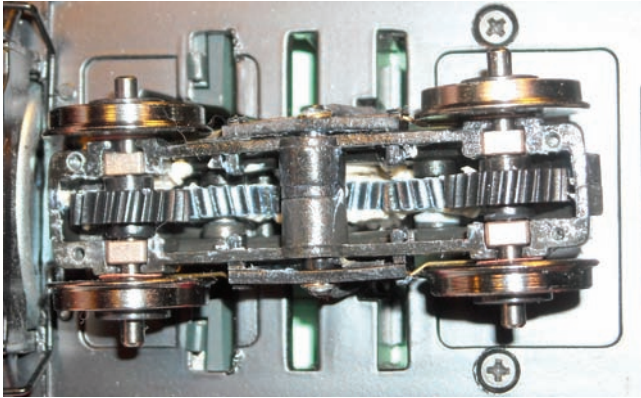
Kadee insulating washers which are needed on the inside of the reassembled wheelsets.



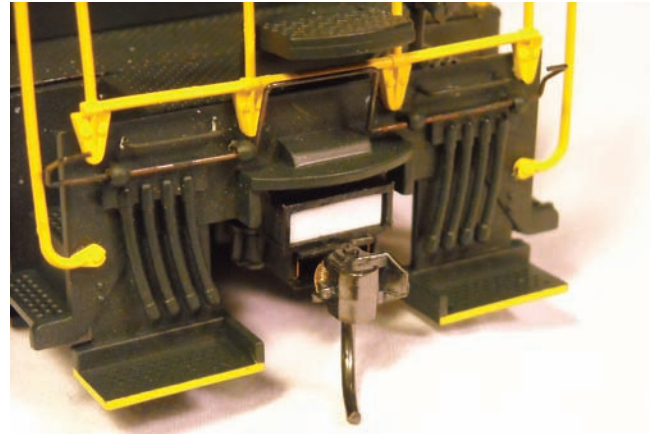
Top is the original wheelset and below is a reassembled and regauged wheelset for On30. Please note that the plastic axle hub must be installed reversed from its original configuration. This is to provide enough clearance with the truck frame.



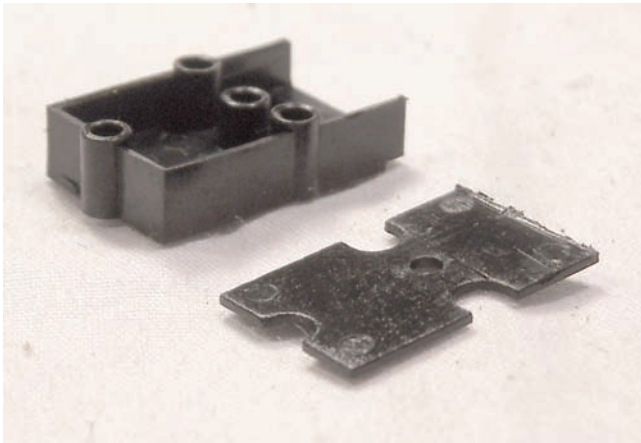
Electric wipers modified to clear the regauged wheelset.



Look close at the wiper behind the wheel to see how it clears the wheel.



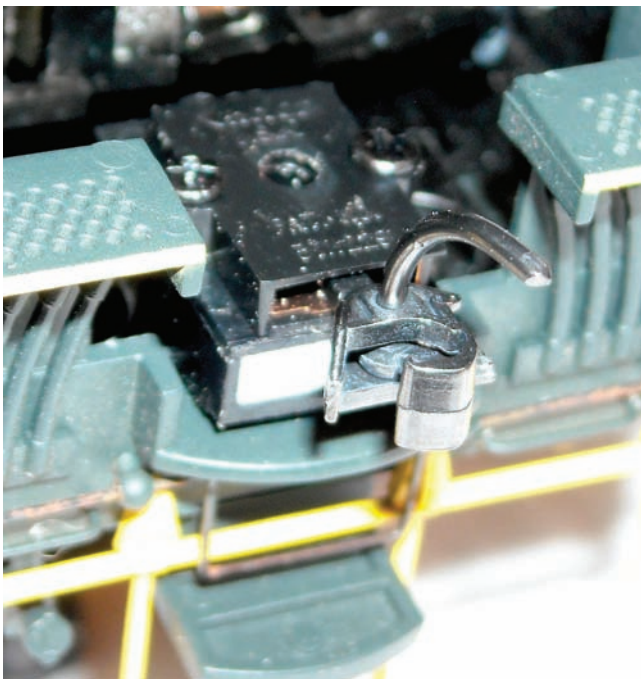
Another view of the finish coupler installation



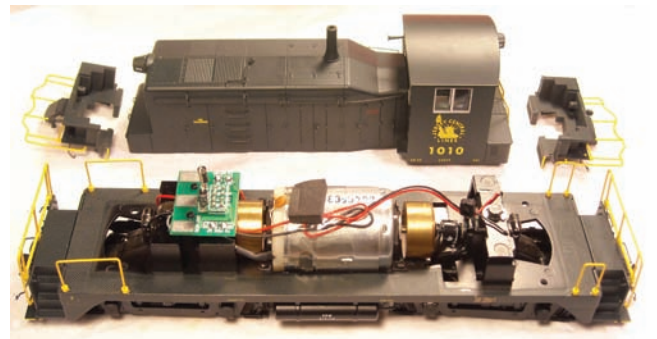
S scale Kadее coupler pocket which I use as a spacer to lower the coupler down to On30 height.



AC electronics which are not needed and can be removed. Some are glued in some are held by screws.



HO Kadее No. 5 coupler and S scale pocket spacer installed.



Drive reassembled



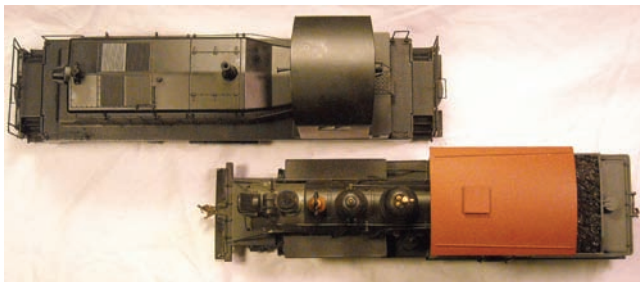
Underside of reassembled drive



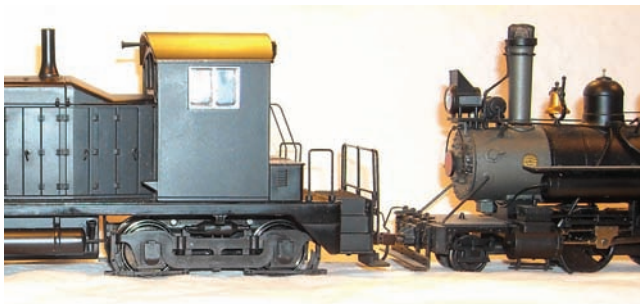
The undecorated unit has had its drive converted. Form this point it is up to you how much or little you wish to alter your SW-1N



Size comparison with a Bachmann Forney



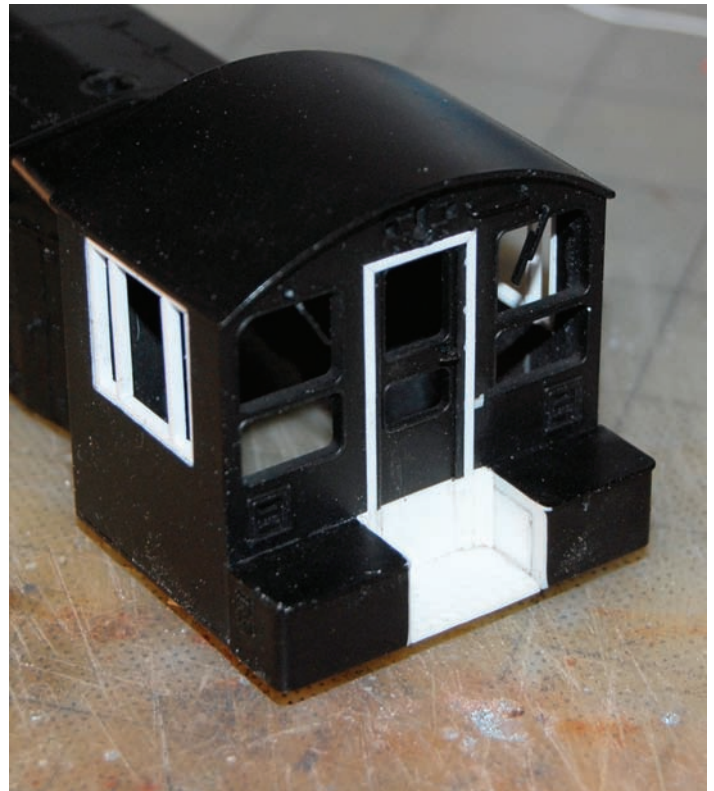
Top view for comparison



End to End



Side by Side



How I made my cab door taller for O scale.



Finished back of cab.

There is much potential for these engines. Your imagination is all that is needed.

Enjoy and Have Fun.

Alan Carroll