

# NorthWest Short Line

## REPOWERING the

## HO Bachmann Doodlebug

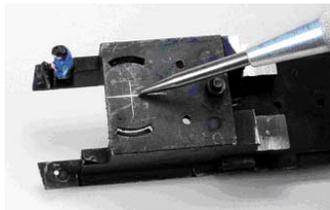
The Bachmann Doodlebug has been offered in several variations over the last several years. This kit should work for most if not all of them. Please read thru these instructions before beginning the conversion. They are meant to guide you.



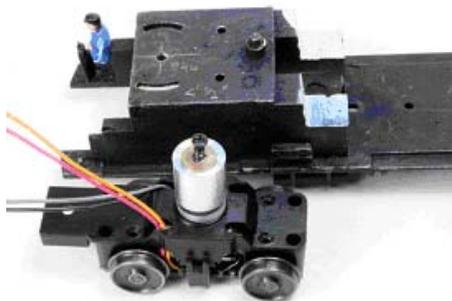
1. Remove the shell by spreading it along the sides. There are four tabs, two on each side.

2. Remove the light bar, seat casting, trucks and rear coupler centering cam from the frame.

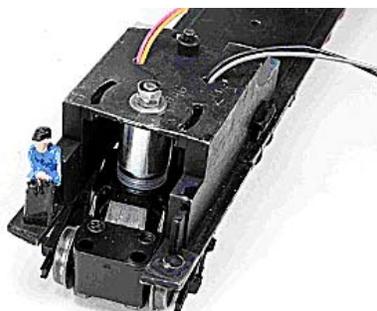
3. Mark the pivot point in the front truck / motor housing of the frame.



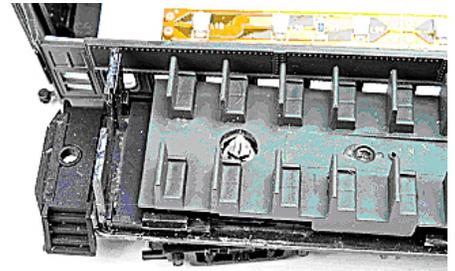
4. Drill a 2.2mm hole in the frame for the pivot screw in the top of the aluminum extender.



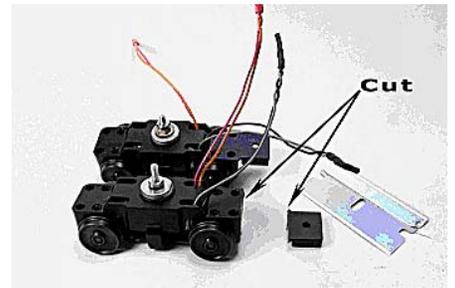
5. Install the front truck by assembling the aluminum spacer to the top of the Stanton and installing that assembly in the front pivot hole. Adjust the height of the frame by threading the spacer up or down as required. Insert wires into the frame holes as shown



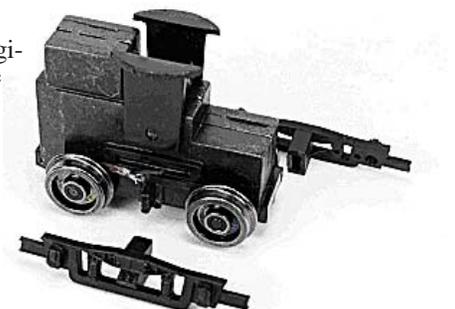
6. To reinstall the seat casting drill a hole thru the floor of the casting to clear the truck pivot screw.



7. Cut the coupler pockets off both Stanton drives. You can use this as a coupler pocket mounted to the body as it is made to hold a Kadee type couple.



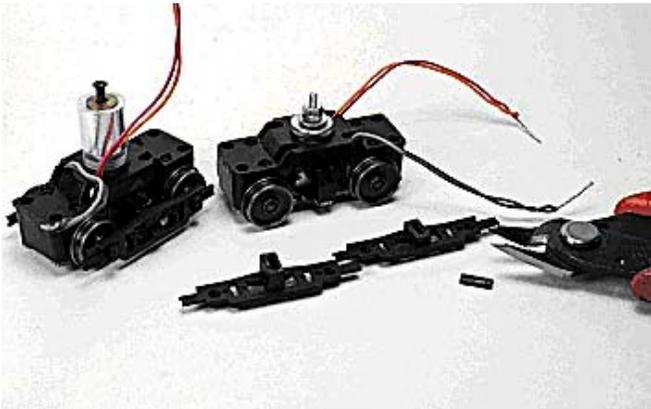
8. Pull the side frames from the original trucks; they are friction fit.



9. The Stanton casing and Bachmann side frames are both made of Styrene. Apply a liquid plastic weld to both the side pad of the Stanton and the end of the Friction mounting sleeve of the side frame. Be generous; you really want to melt the plastic so it will weld when you press them together.



10. Make sure to center the journal boxes both horizontally and vertically to the axle hubs of the Stanton wheels. Look carefully at the photo at right; the mounting sleeves of the side frames are not centered on the side pad of truck. One axle is closer to the center of the drive housing than the other. Mount the frames so that the journals line up with the axles.

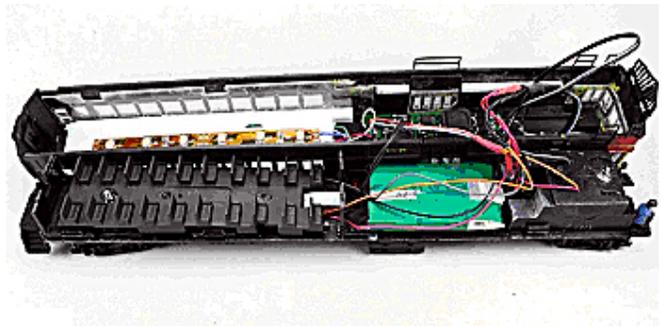


11. Using a pair of flush cutters trim off 1/3 to 1/2 of the friction fit mounting sleeve on the sideframe as shown.



The pair of Stanton drives ready to install in the Doodlebug.

12. Wire the powered and dummy unit Stantons in parallel. Solder the gray and black wires of both trucks together and the orange and red wires of both trucks together. Solder both black wires together and both red wires together. Then solder the gray wire of the front truck to the black wires. Solder the orange wire of the front truck to the gray wire of the rear truck. Now solder the orange wire of the rear truck to the red wires.



By Derrell Poole, 2012

### #1171-4 HO Bachmann Doodlebug Repower KIT, \$129.95

Kit includes:

- Stanton Drive, **powered**, 7'0" wheelbase, 36/110 NS wheels weathered
- Stanton Drive, **non-powered**, 7'0" wheelbase, 36/110 NS wheels weathered
- Aluminum stand, Washers, Screw, 2mm x 6mm, Instructions

**Don't want to do the install yourself?**  
NWSL will do it for you for an additional \$149.95.  
Send in your Doodlebug along with a note stating you'd like NWSL to install the repower kit to:

NWSL  
PO Box 1349  
Hamilton, MT 59840, USA