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HO Scale Cab Forward Capacitor Removal Instructions

Overview:

An issue has been noted in some customers Cab Forward locomotives that can easily be addressed by a simple fix. This issue can present itself in the following manner for users of this locomotive in DCC environments:

- Loss of complete control of the locomotive after it starts moving.
- Slow response to commands.
- Inconsistent response to commands.
- Proper operation on one layout, while issues exist on another layout.

This does not impact those operating in a DC environment.

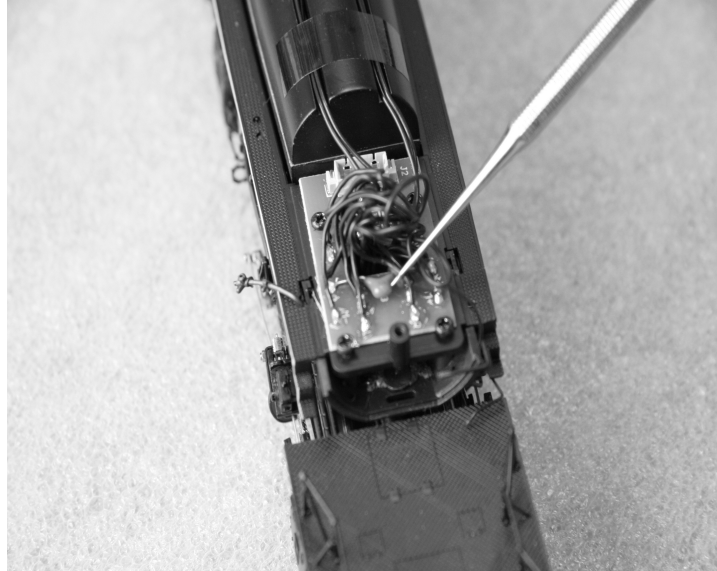
Installed in the locomotive is a capacitor that crosses the motor leads. This capacitor assists with noise and interference mitigation. However, if you do not operate at a higher voltage (~18V), but instead operate at a lower voltage (~14V), you may experience the control issues listed above.

To correct his problem you can remove the capacitor by following the instructions shown below. If you have any questions regarding this process please contact us by email or at the telephone numbers above.

Preparation Steps:

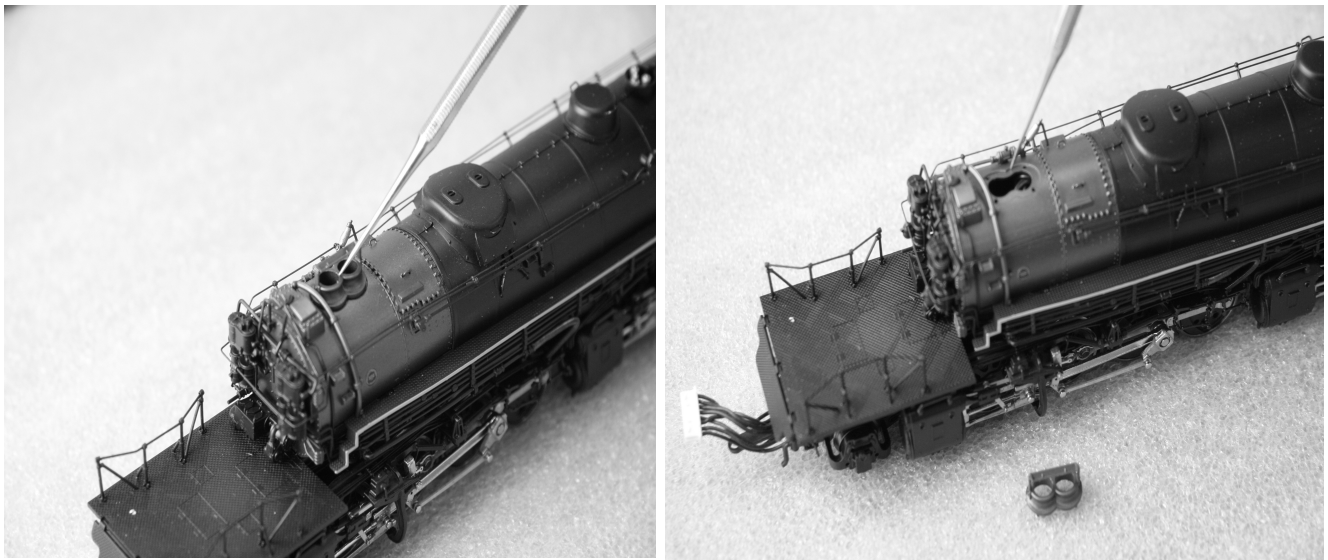
- Find a work space that is well lit and will provide protection to the locomotive while being worked on.
- Remove the tender from locomotive.

Step 1 (Overview):



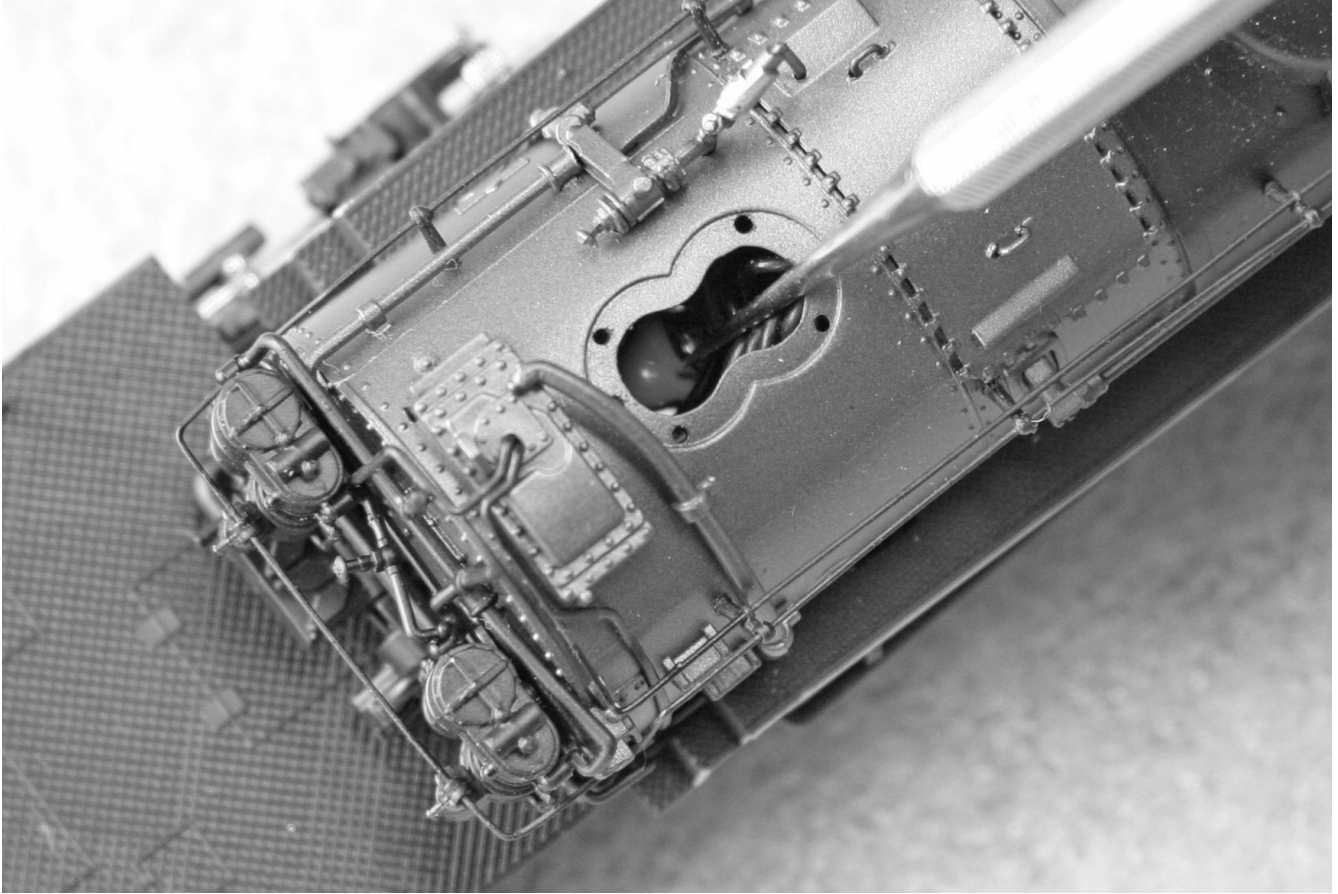
This image shows the capacitor that is going to be removed. The boiler has been removed in this image so you can see the capacitor. The capacitor is orange/yellow in color.

Step 2:



Remove the smoke stack so you can access the capacitor. The smoke stack is press fit in place but may require a little effort to remove.

Step 3:



From the image above you can see the capacitor through the smoke stack opening. Using either a flat bladed knife, or a pair of long nose cutters, reach in the smoke stack and cut one end of the capacitor.

NOTE: Be careful to move the wires out of the way so that they do not get cut during this process.

Step 4:

Test the locomotive operation, confirming that all the lights work properly. If everything works properly then reinstall the smoke stack that was removed earlier.

Final:

If you experience any issues please contact us so that we can assist you as needed.

Thank you for your support of InterMountain Railway Company products.