

EDM Models

Hudswell Clarke 0-6-0 Sound Install Notes

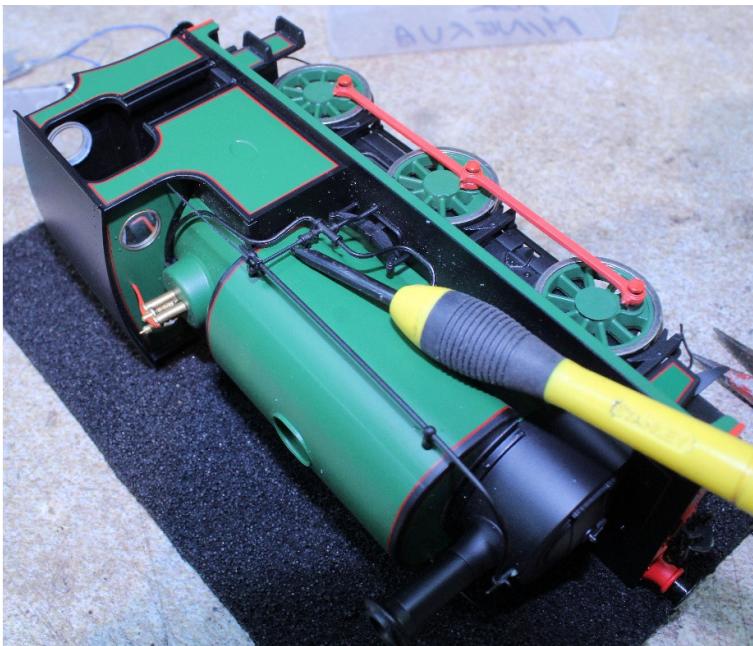
Thank you for buying our sound install kit for the Hudswell Clarke 0-6-0. We have only made the kit available after having done many of these engines ourselves. An innovation Ixion introduced with the Forest Green re-run gave us the clue as to how to provide it easily as a kit



Getting In

The hardest part of the job with the Hudswell Clarke is getting in to it by removing the saddle tank. First prize off the tank filler, it's just a push fit, and remove the fixing screw.

With the model on some foam pull the handrail knobs out of the saddle tank and the lamp bracket smokebox. They are just a push fit.



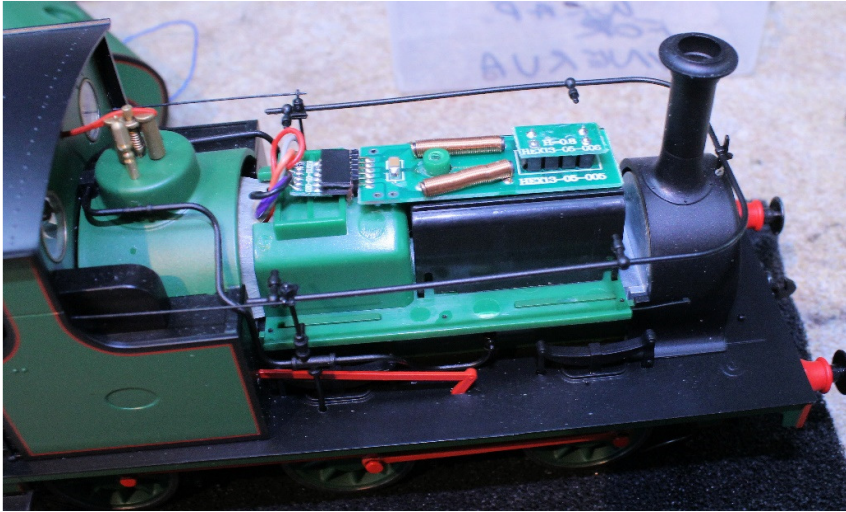
Slightly more tricky is getting the injectors out of the tank. A wide bladed screwdriver inserted as shown and twisted does the trick.

With this done the saddle tank top should lift out without further removing the handrails and pipework.

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What's inside



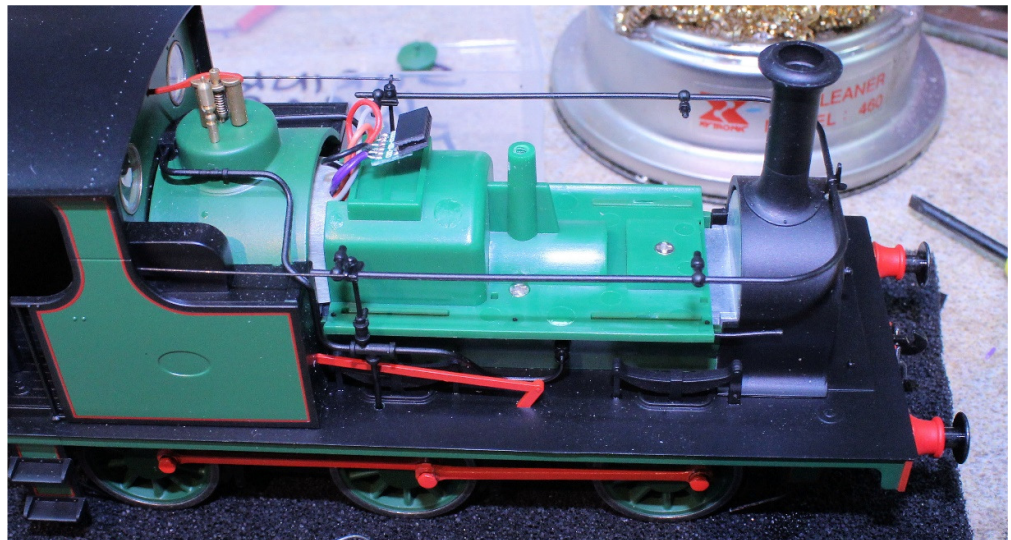
What you will find inside varies slightly with the version.

If you have the forest green one you will see what is in the picture.

The earlier Black, Red and Light Green ones don't have the black plastic moulding and the circuit board just flaps about unsupported

Unplug the circuit board and remove it and, if present, the moulding.

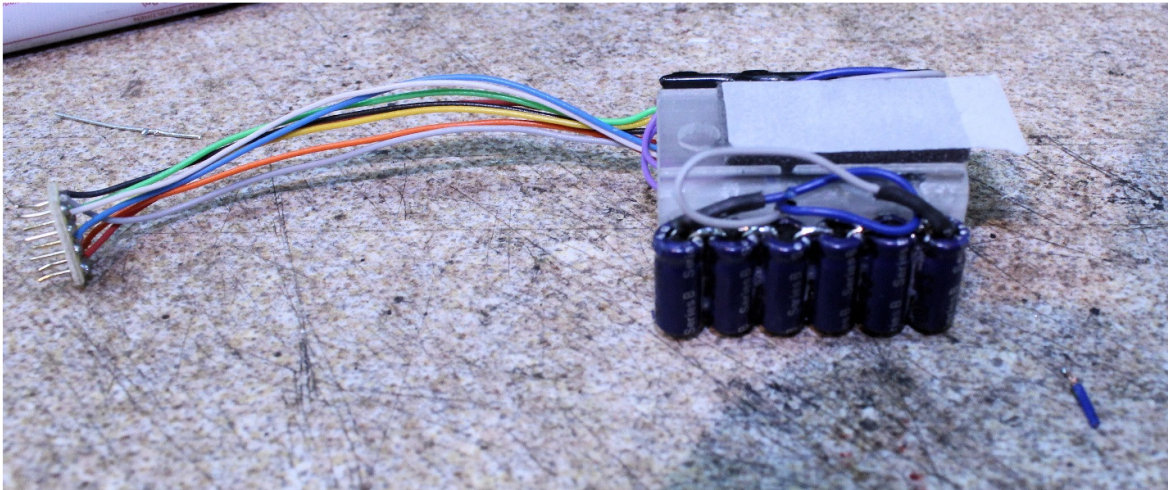
We've either supplied the kit with a moulding or a 3d printed copy. If you now have a moulded part spare we'd really like to have it



The Installation Module

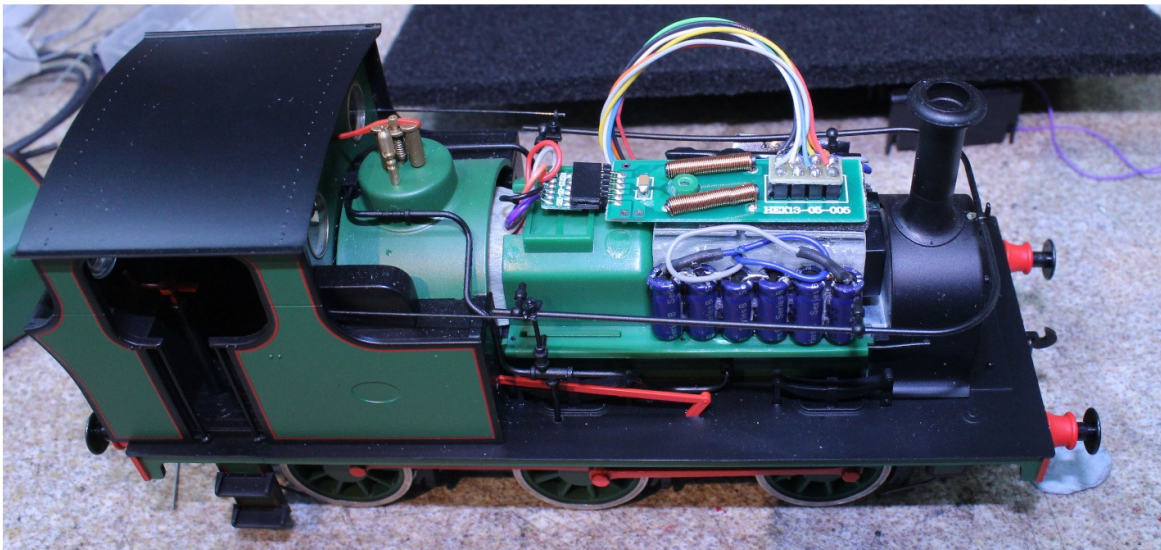
This one shows the 3D printed version of the module so the black plastic is replaced by the clear print

Everything you need is on the module. The decoder is on the far side, speaker underneath and keep alive nearest the camera (we don't use the speaker location on the underframe as its too small and doesn't have the air volume behind it to do decent sound)



Installation

Place the module on the loco over the screw mount column. Peel the paper off the sticky pad. Plug the loco's original PCB on and press it down on to the sticky pad.



Plug the decoder in but the read the bit on the next page before putting the tank back on

Polarity Check.

I suggest you do this with all the locos as a test before assembling then but it's necessary because of an issue with some of the early loco's.

If you plug the decoder in with the wires tailing over the decoder as shown in the photo Forward should mean Forward when its placed on the track. The forest green engines should all do this as they were produced later.

Some of the early production had their motor wires crossed. If you run it and it goes backwards when asked to go forwards simply unplug the decoder, turn the plug around so that the tails are over the capacitor and plug it back in. This should correct the issue. Alternatively, you can actually set the direction in the decoder set up.

Tank Back On

If it's all working you can put the tank back on. This can be a fiddle but things to watch for are: -

- Wires across the screw mount column
- Trapping wires at the bottom of the tank
- Trapping the injector mounting spigot between tank top and base

Settings

The DCC decoder has been set to ID 3 and has typical settings for the Hudswell Clarkes installed as we would use if we were installing it in your loco.