

Tsunami decoder for the SHS SW1 Switcher:

Parts:

1.10" 8 ohm 0.8 watt speaker

1.10" snap fit enclosure

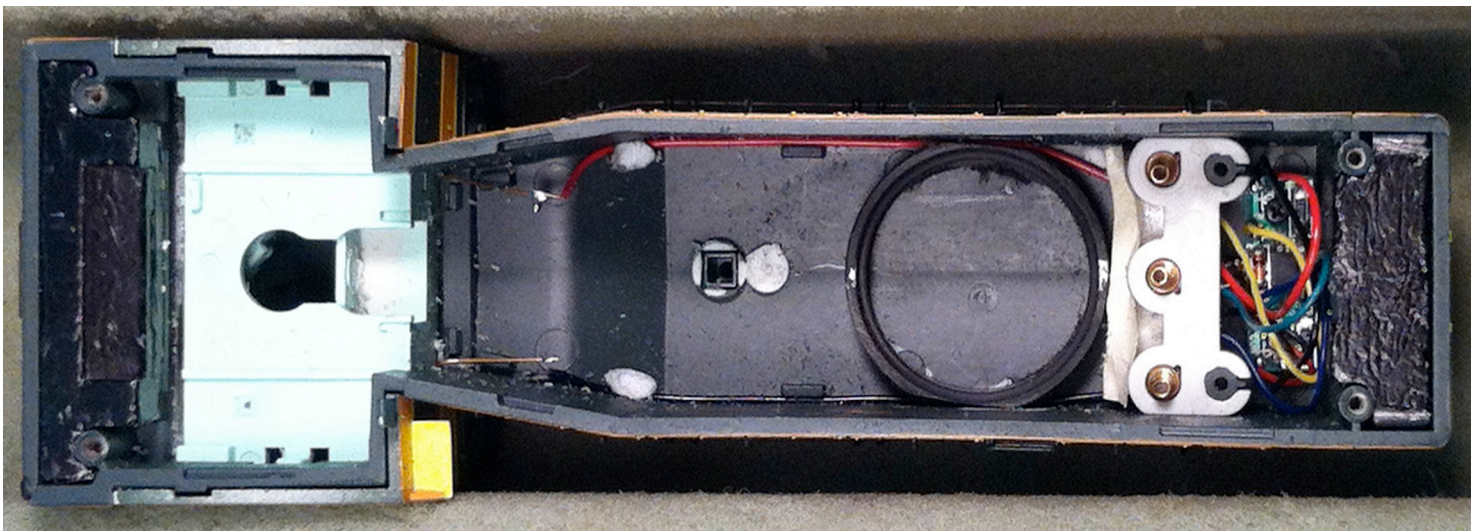
Tsunami TSU-100 P.N. 827101 EMD 567 prime mover DCC sound decoder



Before disassembling the SW1, test to be sure that both light turn on and the the locomotive operates in forward and reverse.

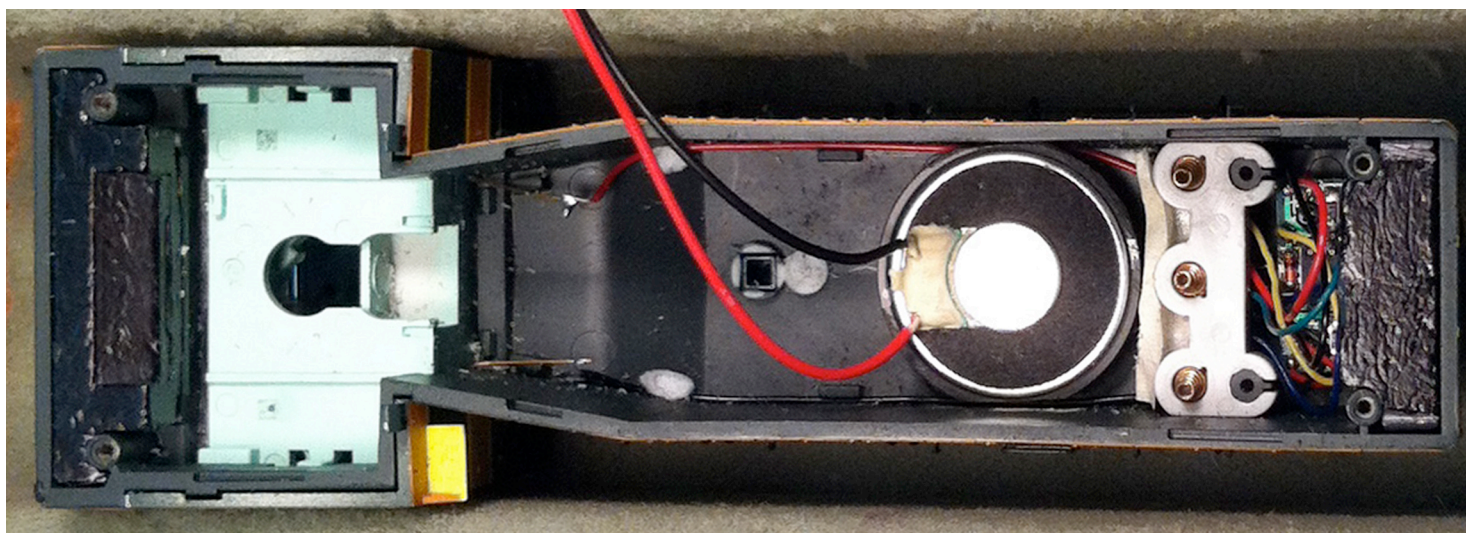
Enclosure modifications: Mark ring with silver paint at 0° and 180° to correctly align during modification. At the 90° and 270° aspect, remove half the thickness of the enclosure as the ring is wider than the SW1 hood interior. Using the top hood sandpaper template, angle the top of the enclosure to match the contour of the inside top of the hood. Once installed, the enclosure should sit flat and not rock.

Speaker assy location – against spring holder, front inside shell.

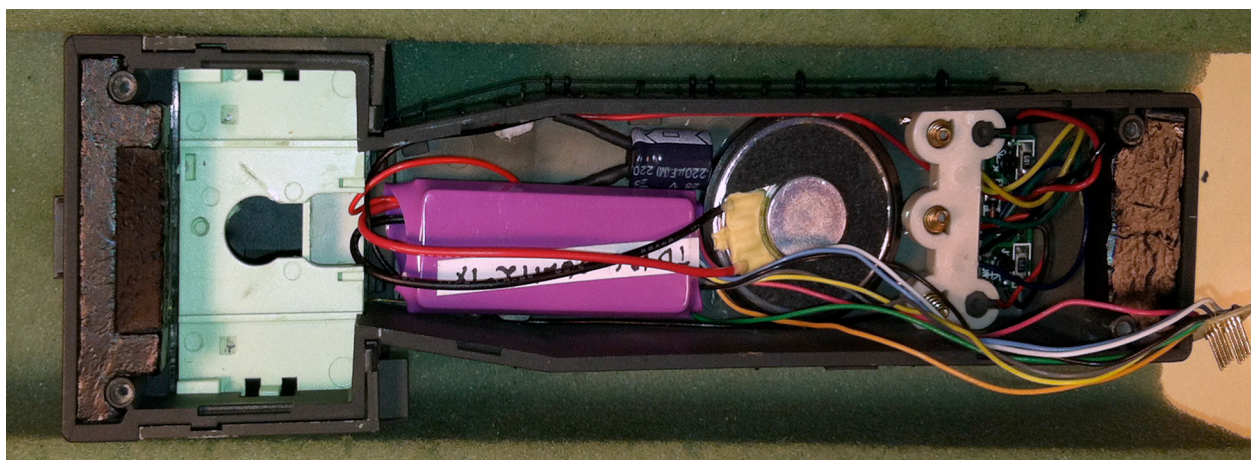


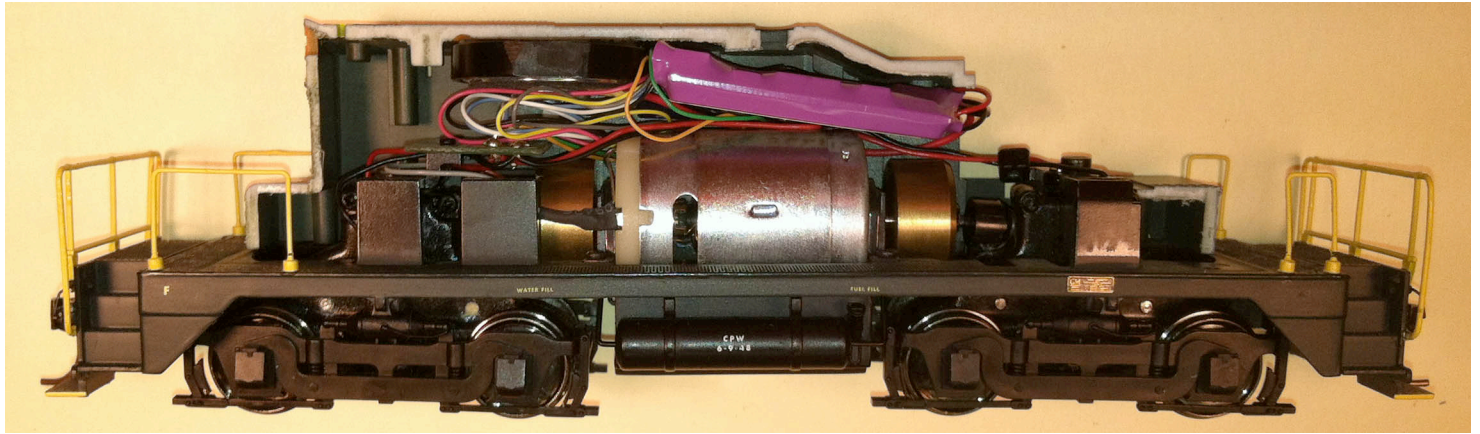
Enclosure installation:

Using the orange small Xuron sprue cutter, remove the AC/DC pcb mounting boss in the center of the inside top of the hood and the two rectangular bosses that hold the tail light wires being careful not to cut or pierce the wires. Remove mounting boss for AC/DC reverse unit in center of bottom of hood. Snap the speaker into the enclosure. Dabbing Goo around the perimeter of the top of the enclosure, press the speaker/enclosure assy. On to the inside top of the hood. Once installed, the enclosure should sit flat and not rock. Swedge black and red speaker leads into two outer spaces of 3 position JST connector. Center space is left open.



Decoder installation: Remove the 9 position JST connector with free wires and exchange for one with the 8 pin medium plug. Wrap the extra wire around the wire harness. Insert the 3 position JST connector with speaker wires into the decoder. Position to one side of the hood inside roof.





Lights:

Light	Assi. func. key	Light Port	Operation Forward/Neutral from Forward/NfR/Reverse
Headlight	F0	1	Bright/Dim/Dim/Dim (In neut., F0 turns on/off the dynamo)
Rear Headlight	F0	2	Off/Off/Bright/Bright

Functions:

F0	Head and rear lights, direction dependent
F1	Bell
F2	Wabco A2 Horn, long, playable
F3	Wabco A2 Horn, Short
F4	Dynamic Brake (not on our switchers)
F5	Strobe (if installed).
F6	Cab Light (if installed)
F7	Brakes, toggle on and off
F8	Mute
F9	Radiator fan
F10	Air Compressor
F11	Brake Squeal/release
F12	Coupler Clank

Tsunami CVs:

CV	setting	function -	description
CV3	30	Baseline deceleration rate	for braking
CV4	30	Baseline braking rate	for braking
CV41	128	Output location	moving braking to F7
CV61	139	Braking rate	Increase distance to brake
CV115	0	Horn Selection	change to Wabco A2
CV198	2	Automatic Sound config.	automatic horn at start & stop

Giftbox Stickers:

3 - DCC Sound fuel tank labels with address hand written on line provided

1. On fuel tank
2. On foam tray above cab
3. on gift box above product label

Tsunami EMD 567 CV115 horn list

Function list

More information:

Our products are models, intended for use by people at least 14 years old. They are not intended to be used as toys by children under 14 years old.

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