



## OPERATORS GUIDE

Thank you for your purchase of an InterMountain Railway Company locomotive. This guide will direct you through basic operational and decoder functions, shell removal instructions, and maintenance tasks. Should you have any questions that are not answered in this guide please feel free to contact InterMountain service and support at the contact information listed above. All locomotives come factory equipped with a SoundTraxx Tsunami Decoder; both sound and non-sound versions of your locomotive are DCC equipped.

### Operational and Decoder Functions:

#### Sound Equipped Locomotive Only-

Your new locomotive comes equipped with a SoundTraxx Tsunami Digital Sound Technology Decoder installed. This state-of-the-art decoder will provide all the pleasures of high quality, digital on-board sound and the benefits of today's DCC technology. Each sound equipped locomotive comes with multiple horns to allow you to customize the locomotive to your personal tastes or more closely match your prototype railroad. InterMountain sound equipped locomotives have all the features found in Tsunami decoders, including the ability to set up manual notching, a built in 7 band equalizer, built in reverb, all 15 Hyper-light lighting effects, and advanced motor controls. This guide will be a quick reference for the different horns and whistles found on each InterMountain Tsunami equipped locomotive, and the default function assignments. For a complete breakdown of all of the Control Variables (CV) and Tsunamis capabilities please reference the User's Guide and Technical reference found at <http://www.soundtraxx.com/factory/>.

#### Horn & Whistle guide:

To change the horn/whistle on your locomotive change CV 115 to the value listed for each horn.

##### FT/F3/F7/FP7/FP9 units:

Leslie A125/ A200 Combo (Default) = 0  
Holden M3H = 1  
Nathan M5 = 2  
Leslie S3L = 3  
Leslie RS5T = 4

##### SD40-2W units:

Nathan K3LA (Default)= 0  
Leslie RS5T = 1  
Leslie RS3L = 2  
Holden M3H = 3  
Nathan K3L = 4

##### ES44AC/DC units:

Air Chime K5HL (Default) = 0  
Nathan K3LA = 1 Holden K5H = 2  
Air Chime K5HL (Version 2) = 3

##### U18B units:

Leslie S5T (Default) = 0  
Leslie S3L = 1  
Nathan P3 = 2

#### DCC Function Key Mapping – Sound Units Only:

Diesel Function Key Map:		Steam Function Key Map:	
F0 (f) Headlight	F6 Effect Light	F0 (f) Headlight/Dynamo	F6 Coupler
F0 (r) Backup light	F7 Dimmer	F0 (r) Backup light	F7 Dimmer
F 1 Bell	F8 Mute	F 1 Bell	F8 Mute
F2 Horn	F9 Radiator Fans/RPM+	F2 Whistle/Air horn	F9 Effect Lighting
F3 Short Horn	F10 Air Compressor/RPM-	F3 Toggle Switch For	F10 Coupler
F4 Dynamic Brake	F11 Brake Squeal	Whistle/Air horn	F11 Injector
F5 Effect Light	F12 Coupler	F4 Steam Release	F12 Water Stop
		F5 Brake Squeal	

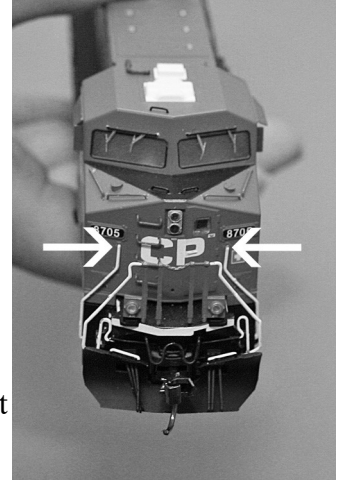
**Default Address for All Locomotives: 3**

# SHELL REMOVAL INSTRUCTIONS

## ES44AC/DC units:

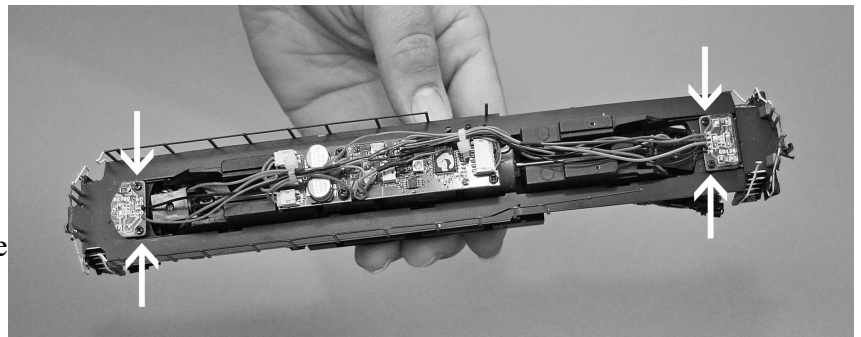


1. The handrail is attached to the cab and deck that need to be removed. Loosen the stanchions (vertical posts) from their attached positions, note the first four stanchions on the left side (not shown) also need to be removed along with the first three on the right side (shown above). Remove the handrails from the nose of the locomotive as indicated in the image to the right.



2. To remove the shell, firmly grip the fuel tank area and the center area of the body. Gently rock the shell side to side to release the holding tabs and lift straight up. Watch that the handrails do not get caught on the body deck or cab while being lifted off.

3. Once you have the body off you will have full access to the circuit board, speaker (sound units only), trucks, and light circuits. If you need to remove the skirt deck, remove the four (4) screws holding in the light boards (as indicated by the arrows). The light boards will then release the skirt to be lifted off.



4. To reinstall the body shell just reverse the previous instructions.

## MAINTENANCE TASKS

Your InterMountain locomotive is designed to provide hours of enjoyment with little or no maintenance. On occasion the drive gear mechanisms should be lubricated. Utilize a plastic compatible lubricant such as Labelle® 107 Oil. To lubricate your locomotive place a few drops on the gears of the drive mechanism. Only a small amount is required.

**Service Needs:** Although rare, at some time you may require service for your locomotive. Please contact InterMountain Railway Company service department by either email ([intermountain@intermountain-railway.com](mailto:intermountain@intermountain-railway.com)), or telephone (800-472-2530), whenever you have a question or need a repair.