TCS

WOWKits

1788 WDK-WAL-1

Scale	Functions	Function Rating	Continuous/Peak
HO	8	100 mA	1.3 /2.0 Amp

HO-Scale Walthers DCC Sound Conversion Kit

Included in this WOWKit:

WOW121-Diesel + AK-MB1 Motherboard Includes Onboard Keep-Alive® + 32mm Round WOWSpeaker
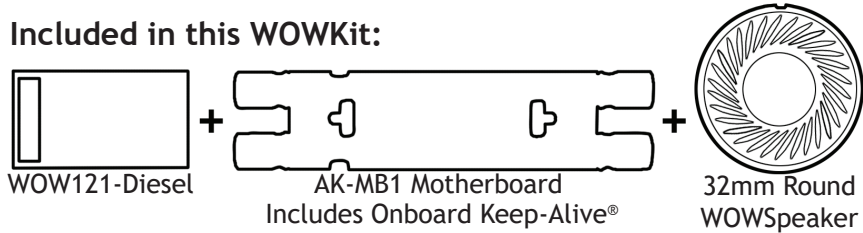
This WOWKit will fit the following Walthers engines:

EMD E8A

WOWKits provide everything needed for a complete sound installation. Each WOWKit has been **engineered** for a **perfect fit** to provide you with **Easy**, **Clean**, **Professional** results.

WOWSound is the only Load-Based Auto-Notching DCC sound decoder.

Audio Assist® (Patent Pending) **for easy configuration of your decoder.**

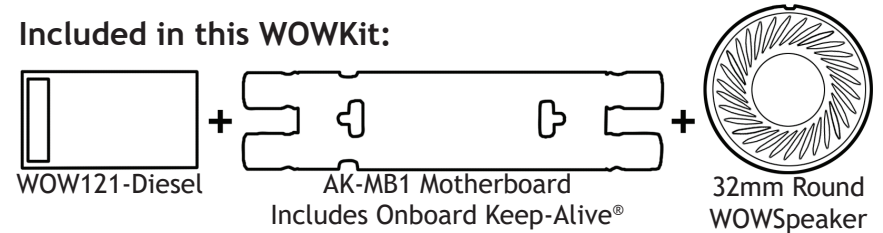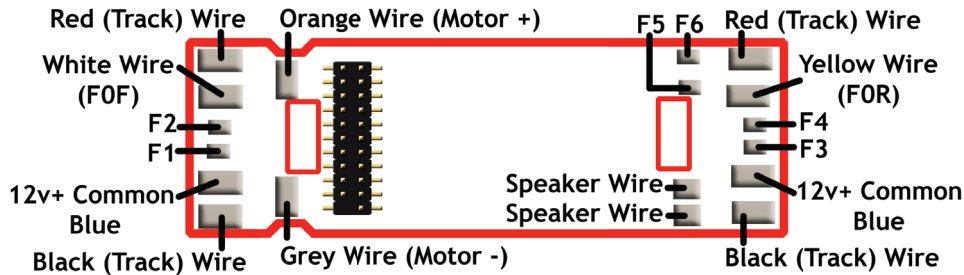**Enjoy the awesome, CD-Quality, WOWSound experience!**

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Default Decoder Button Uses

Function Button	Feature	Function Button	Feature
1	Bell	10	Manual Notch Up
2	Horn - Long Toot	11	Manual Notch Down
3	Horn - Short Toot	12	Prime Mover On/Off
4	Horn - Quill	13	Coupling Sound
5	Dynamic Brakes	14	Uncoupling Sound
6	Brake Release	15	Mainline/Switching Momentum
7	Train Brake (20% Per Press)	16	Crew Alert On/Off
8	1x Press: Mute/Unmute 2x Presses: Toggle light & sound mode 4x Presses: Enter **Audio Assist®**	17	Windshield Wipers
9	Rotate Horn/Bell	18	Airspitter

AK-MB1 Motherboard Wiring Diagram

Red (Track) Wire — Orange Wire (Motor +) — F5 F6 — Red (Track) Wire
White Wire (F0F) — Yellow Wire (F0R)
F2 — F4
F1 — F3
12v+ Common Blue — Speaker Wire / Speaker Wire — 12v+ Common Blue
Black (Track) Wire — Grey Wire (Motor -) — Black (Track) Wire
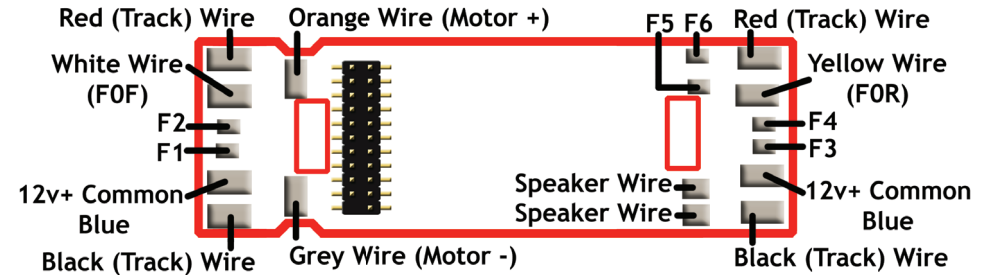
For LED's: All output functions have built-in resistors for LED's. Simply solder the negative lead from your LED to one of the function output pads (F0F-F6) and then solder the positive lead to the 12v+ Common.

For complete **installation images** and **full documentation** visit our website at **www.tcsdcc.com**