

# Creek OBH-11 Headphone Amplifier

## Audio Upgrade Modification

C1, C101 = .33uF/100V WIMA MKP2 polypropylene film  
C2, C102 = 150pF polystyrene (220pF in early units)  
C3, C103 = 47uF/25V Nichicon FG electrolytic  
C4, C104 = 220uF/25V Nichicon Muse ES BP  
C6, C106 = 22pF (47pF in early units) polystyrene or mica (+/- .5pF) CDE CD15ED220DO3F  
C9 = .1uF/200V Kemet C330C104K2R5 monolithic ceramic  
C10 = 47uF/25V Panasonic FC electrolytic  
C11 = 2200uF/35V Panasonic FC electrolytic (short style)  
C12 = 100uF/35V Panasonic FC electrolytic

Install 1.0uF/63V Evox Rifa MMK5 polyester film across C11.

R1 (R101) = 1k, 1/4W, 1% PRP PR9372 metal film  
R6 (R106) = 22.1k, 1/2W, 1% Holco H4 metal film (feedback)  
R9 (R109), R10 (R110) = 30Ω, 1/4W, 1% PRP PR9372 metal film  
R11 (R111) = 220Ω, 1/4W, 1% PRP PR9372 metal film

Install 100Ω, 1/4W, 1% metal film from volume attenuator case to ground.  
(Drill hole through board).

Install Augat 508-AG10D premium grade IC socket.

Replace IC1 (NE5532AP) with Burr-Brown OPA2604AP