

ADCOM GFP-565 Preamplifier

Audio Upgrade Modification

C107, C108 = 2200uF/25V Nichicon FG electrolytic
C121, C121B, C122, C122B, C401, C403 = 470uF/50V Nichicon Muse KZ electrolytic
C207, C208 = 4.7uF/250V Panasonic ECW-F2475JA polypropylene film
C901~C904 = .1uF/500V KEMET monolithic ceramic C330C104KCR5TA
C905, C906 = 6800uF/50V Nichicon KG Gold Tune electrolytic LKG1H682MESBAK (30x35mm)
C907, C908 = 1.0uF/450V Panasonic ECW-FD2W105KB polypropylene film
C913 = 22uF/50V Panasonic FC electrolytic
C914 = 1000uF/25V Panasonic FC electrolytic (short style)
C917, C918 = 1000uF/50V Nichicon Muse KZ electrolytic
C919, C920 = 1000uF/25V Nichicon Muse KZ electrolytic
C921 = 100uF/25V Panasonic FC electrolytic

*** White dots on boards indicate capacitor negative (-) ***

Check R001 = 10Ω; Check R908 = 12.7k (17.5VDC). Older GFP-565s have R908 = 15k (19VDC).

R117 (R118) = 470Ω, ¼W, 1% PRP PR9372 metal film (*phono*)
R121 (R122), R217A (R218A), R237 (R238), R239 (R240) = 100Ω, ¼W, 1% PRP PR9372 metal film
R213 (R214) = 22.1k, ½W, 1% Holco H4 metal film (feedback)

Change IC201 (IC202) to OPA134 (Change R908 to 12.1k) or OPA604.

Install .1uF/200V KEMET C330C104K2R5TA from IC201 (IC202) pin 4 (V-) and pin 7 (V+) to ground.

Install Wakefield Kapton 175-6-220P insulators on Q901 & Q902.

Install .01uF/250V Vishay WYO103MCMCF0KR Class X2 EMI suppression capacitor across AC5 to AC6 (*if missing*).

Optional:

R205 (R206) (*processor*), R407 (R408), R415 (R416) (*tape*) = 470Ω, ¼W, 1% PRP PR9372 metal film
R301 (R302) (*headphone amp*) = 3.3k, ¼W, 1% PRP PR9372 metal film
R307 (R308) (*headphone amp*) = 27.4k, ½W, 1% Holco H4 metal film (*feedback*)
R309 (R310) (*headphone amp*) = 49.9Ω, ¼W, 1% PRP PR9372 metal film
R403 (R404), R411 (R412) (*tape*) = 1k, ¼W, 1% PRP PR9372 metal film

Change IC101 (IC102) to AD745JN (*phono*). Will need to change some RIAA capacitors & resistors.

R107 (R108) = 221Ω, ¼W, 1% metal film
R109 (R110) = 1k, ¼W, 1% metal film

Install .1uF/200V KEMET C330C104K2R5TA from IC101 (IC102) pin 4 (V-) and pin 7 (V+) to ground.

Change IC401 (IC402) to OPA2134 or OPA2604 (*tape in/out*).

Install .1uF/200V KEMET C330C104K2R5TA from IC401 (IC402) pin 4 (V-) and pin 8 (V+) to ground.

R920 = 56.2k (higher value will increase turn-on delay).