

Service bulletin # HK2010-01 June 2010

Warranty labor rate: MINOR repair

To: All harman/kardon Service Centers

Models: HKTS2, HKTS5, HKTS6, HKTS7, HKTS8, HKTS15

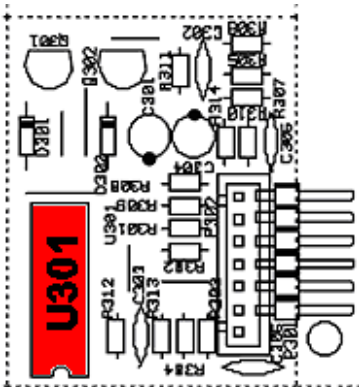
Subject: Repetitive Popping/Thumping Sound When In Standby

In the event you receive an HKTS2, HKTS5, HKTS6, HKTS7, HKTS8, or HKTS15 Subwoofer with the complaint “there is a repetitive popping or thumping sound when in the standby mode”, follow the procedure below:

Synopsis: Replace U301; if problem remains remove R263 and add new 1N4148 diode

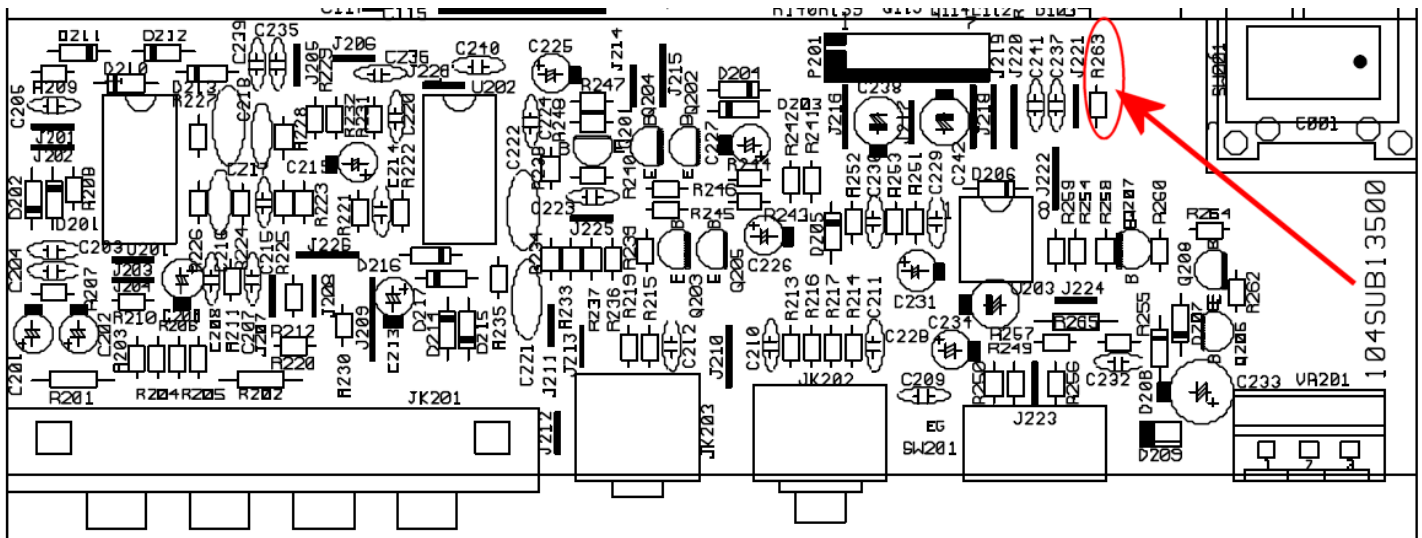
Note: RoHS-rated* de-soldering and soldering equipment will be required.

- 1) Remove the amplifier from the cabinet
- 2) Locate the limiter board; remove adhesive from rear side of the PCB so you can access U301.



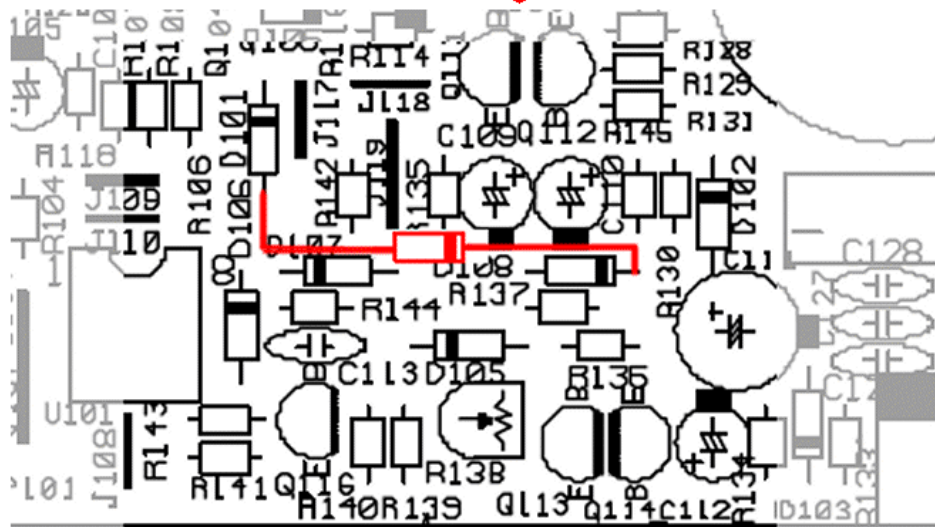
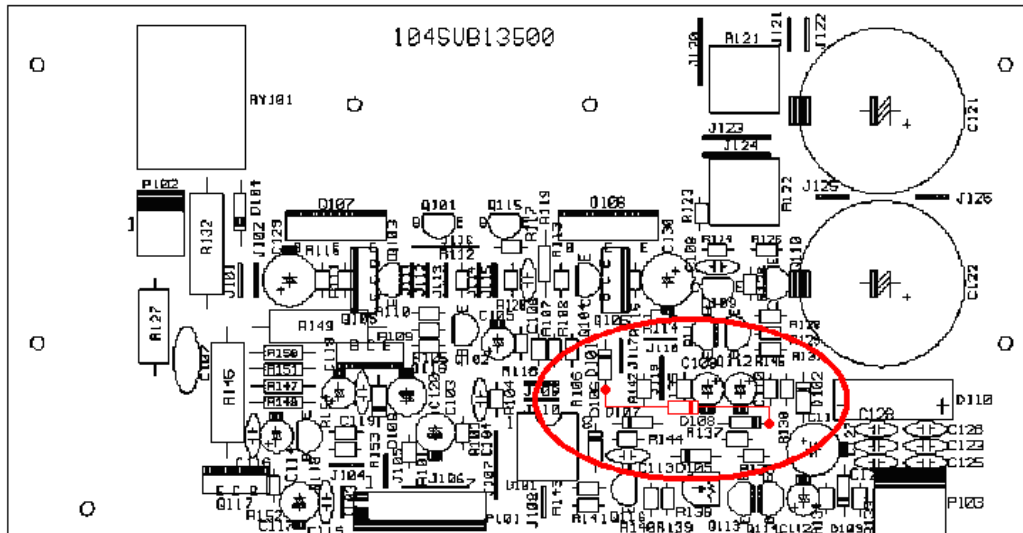
3) Replace U301 (IC TL074CN ST Quad Op-Amp) on the limiter board with hk part# 190-16TL1074CN or equivalent.

- 4) Replace the amplifier and test the subwoofer; if the problem remains:
 - a) Remove and discard R263 from the preamp PCB



Subject: Repetitive Popping/Thumping Sound When In Standby (Cont'd)

- b) Add a new 1N4148 diode (part# 13-0482 or equivalent) to the power amp PCB. Connect the Anode to the Anode of D101 and the Cathode to the Cathode of D108 (See figure below).
- c) Replace the amplifier and test the subwoofer



MODELS	SERIAL NUMBER 120V	SERIAL NUMBER 230V	STATUS	ACTION
HKTS2 HKTS5 HKTS6 HKTS7 HKTS8 HKTS15	All Serial numbers affected	All Serial numbers affected	Popping/Thumping Sound When In Standby	Replace U301; then if necessary remove R263 and add new 1N4148 diode

* RoHS = Restriction Of Hazardous Substances. Recommended lead free solder 96.5/3.0/0.5