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Kenw

F++r eine deutsche +??bersetzung klicken Sie hier.

A number of KENWOOD Amateur and Commercial Radios use the SANYO L78LR05B-FA chip which is a 5 volt regulator and RESET Pulse Generator. On the TM-255 and 455 the chip is located on the front panel control unit.

If the radio will not turn ON or will turn ON only when cold the problem is probably a type of self oscillation internal to the chip. An oscilloscope check of the RESET Pulse Pin number 4 will usually show a large number of reset pulses in a keyed format. Any number of pulses more then one is incorrect.

If this is the case adding a bypass capacitor from pin 5 the 5 Volt output to ground has always solved the problem in our service shop. There is a large value bypass cap. on the 5 Volt Bus but it is halfway to the other end of the PCB which means a lot "L" between pin 5 and the cap. Because of the limited space we have found that a wire lead 5 to 15 ?fd Tantal with 10 or more volts (wvdc) fits very easily when installed parallel to C6 as shown in the picture. Please observe polarity, the plus side is toward the chip and minus toward the PCB edge. A better solution would of course be a "Chip" Cap but we haven't been able to find one that fits.



55 es 73 DL2KCE

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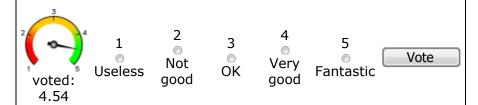
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Articles for Kenwood 'TM-255'

Uploaded	Description
18 Aug 2010	Improved TX PA Bias Circuit for TM-255A/E
19 Feb 2009	Modification of display lights on KENWOOD TM-255E
21 Jan 2007	Improving SSB modulation of Kenwood TM-255 and TM-455
19 Apr 2006	Start Problem KENWOOD TM-255 and 455 and many others.
11 Feb 2006	Kenwood TM-255A Switch-on problems
29 Aug 2005	Umbau Kenwood TM-255
29 Aug 2005	TM-255 Delay in rise of transmission power with PROC ON setting
18 Jul 2003	TM-255E service menu
26 Apr 2003	Connecting KPC3 on a TM255
06 Aug 1999	Mods for the Kenwood TM-255E
19 Jul 1998	Solution 9k6 TM255/455

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This forum message list include all message for that is related to TM-255, this include message that also is related to articles. If the message is relate to an article, the article can be selected next to each message.

	Date	Author	Subject	
1.	17 Jan 2016	Daniel Haines	(0) Kenwood TM-255 control	View article

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