

Info from <http://www.sega-16.com/forum/showthread.php?t=13966> – I tried this by not removing the capacitor, I just cut the trace to pin 1 and soldered some wire between pin 1 and the transistor. My official PAL RGB Scart cable now works fine with my NTSC JPN Saturn. Thank you KillerBean2 :-)

## KillerBean2

WCPO Agent

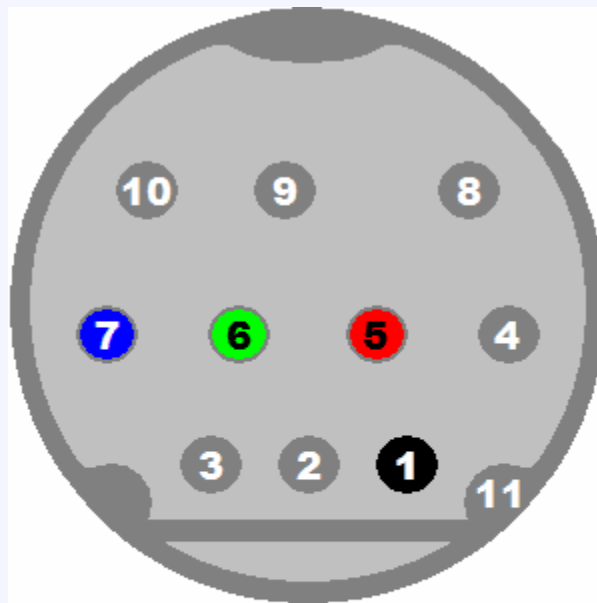


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### Mod: How to make an NTCS Saturn work with an EU scart cable

I found out that there's a small difference between the AV pinout on an EU Saturn and the pinout on an NTSC Saturn (Japanese or American). On the EU models, pin 1 on the AV socket is 9 volt DC. But it's Sync on the NTSC models. That's why the picture flickers or does other strange things when you try to use the EU scart cable with a JP or US Saturn.

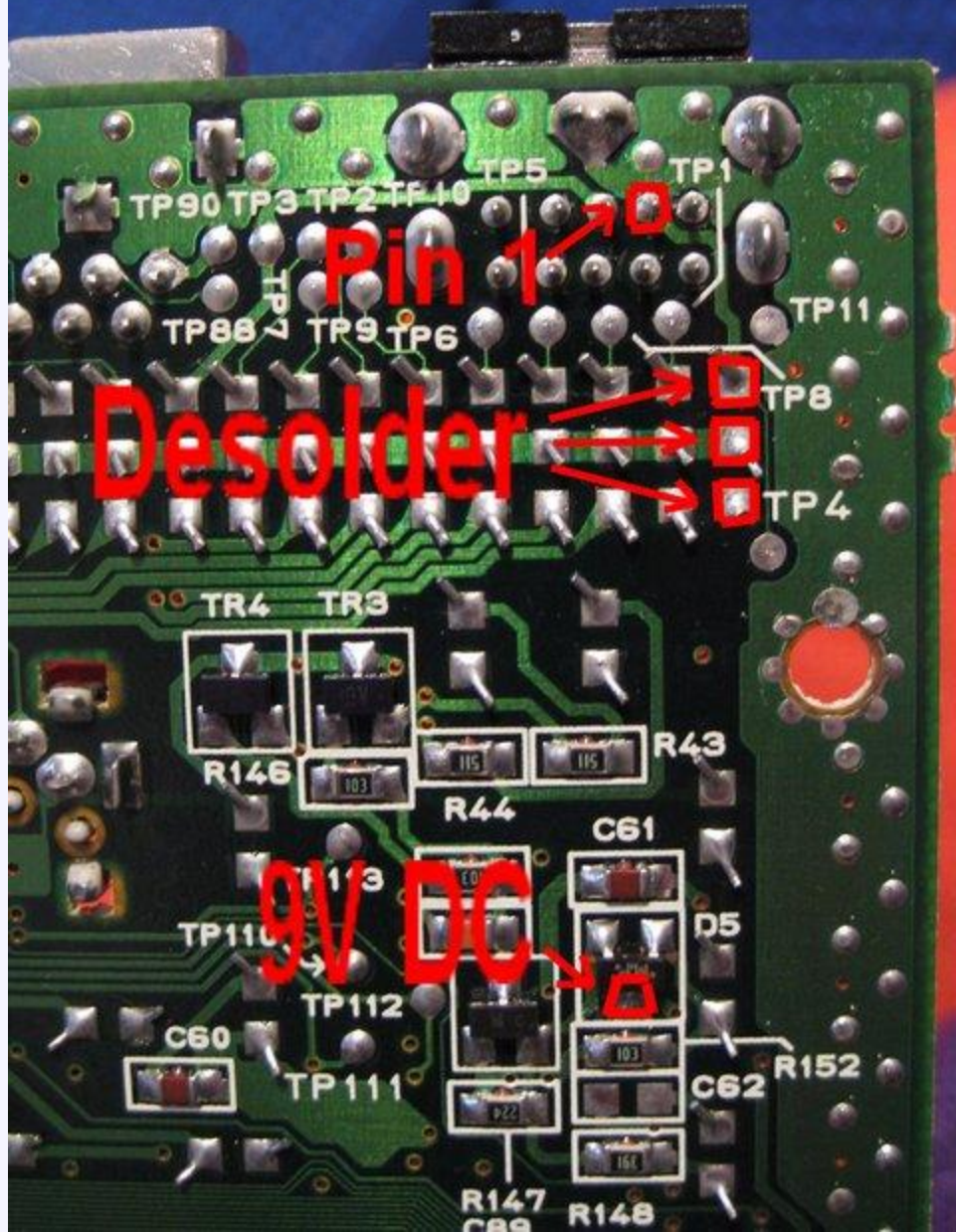


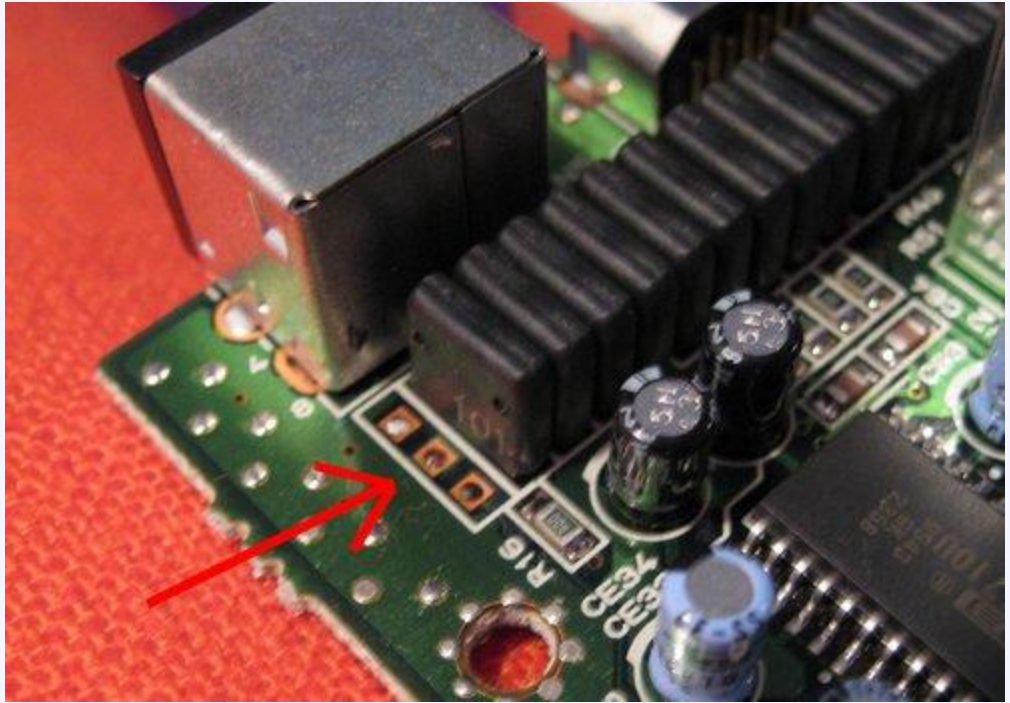
#### 10 pin mini-DIN

1. 9 Volt DC/Sync\*
2. Audio R
3. Audio L
4. 5 Volt DC
5. Red
6. Green
7. Blue
8. Comp Video
9. Luminance
10. Chrominance
11. Ground

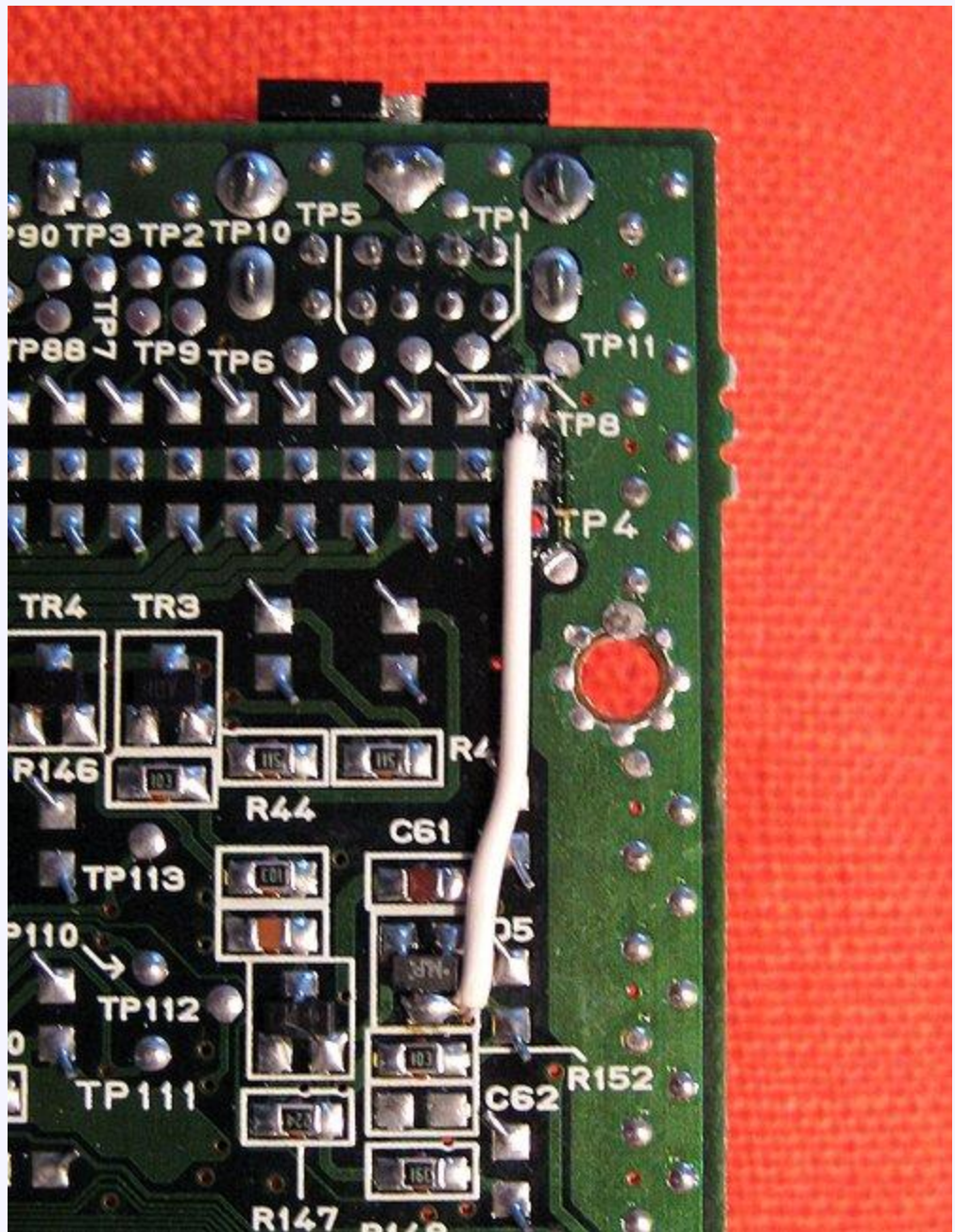
**\* This pin is 9 Volt DC on the European models but on the Japanese and American models it's Sync!!!**

Here's a simple mod to make a Japanese or American Saturn work properly with an EU scart cable:





Remove one of the black thingies (a decoupling capacitor?) in order to disconnect the Sync line and get a good solder point at the same time.



Connect pin 1 to the 9v DC point on the transistor, and voila! Now the Saturn works perfectly with the scart cable 😊

**[The music in Streets of Rage 3/Bare Knuckle III is freakin' awesome!](#)** 🙌

*Last edited by KillerBean2; 09-19-2010 at 10:31 AM.*