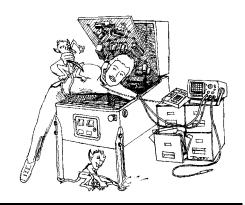
Service Bulletin Nº 103





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TO: Parts & Service Managers

DATE: July 14, 1997

SUBJ: Solid State Flipper Board, 520-5033-00 (Non-E.O.S) conversion to

Solid State Flipper Board, 520-5080-00 (E.O.S)

Explanation:

We no longer make the **Solid State Flipper Board (Non-E.O.S)**, Sega Part N^o 520-5033-00, used in games from Playboy 35th Anniversary through Rocky & Bullwinkle & Friends. For those of you wanting or needing a replacement board, here are a couple of options:

Options:

1. Order the Solid State Flipper Board (E.O.S), Sega Part Nº 520-5080-00, used in games WWF Royal Rumble, Baywatch, Apollo 13 & Golden Eye; specify to update this board to a Solid State Flipper Board (Non-E.O.S.), Sega Part Nº 520-5033-00 (WE WILL make the modifications).

or...

2. Use your existing stock or order a **Solid State Flipper Board (E.O.S)**, **Sega Part Nº 520-5080-00**, and modify it yourself. Refer to procedures below.

Procedure: (Reference Figures on Page 2)

- Remove Pin-10 from Connector CN1. We suggest you "CUT" the pin so as not to damage the Connector (see Fig. 1A for component reference).
- 2 Add a Jumper Wire across the Capacitor C10 on the "SOLDER-SIDE" (you will actually short the Capacitor rendering it useless) (see Fig. 1B for component reference & Fig. 2A for trace reference).
- Add a Jumper Wire between Pin-6 & Pin-7 and Pin-1 & Pin-2 of Connector CN1 respectively (see Fig. 2B for trace reference).
- **1** Behind **Connector CN1** (back side) **cut the trace** between **Pin-2 & Pin-7** (see **Fig. 2C** for trace reference). Note: To properly cut the trace, use an **XACTO Knife** or a **Dremel Tool** with great care.

Congratulations! You have just modified your **Solid State Flipper Board** to work in games manufactured without *End-Of-Stroke Switches*.

If you have any questions or comments please call Technical Support.

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Fig. 1 (Component / Front Side)

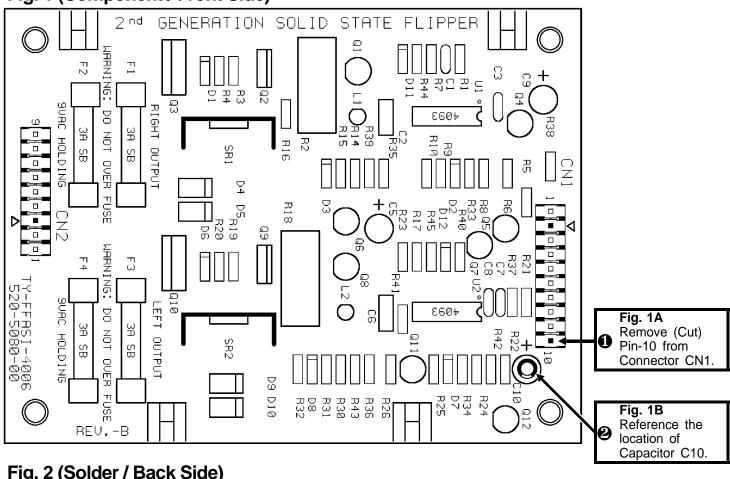


Fig. 2 (Solder / Back Side)

