Service Bulletin № 103

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 № 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 № 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 № 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 № 520-5080-00, and modify it yourself. Refer to procedures below.

Procedure: (Reference Figures on Page 2)
1. 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).

3. Add a Jumper Wire between Pin-6 & Pin-7 and Pin-1 & Pin-2 of Connector CN1 respectively (see Fig. 2B for trace reference).

4. 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.
Fig. 1 (Component / Front Side)

1. Remove (Cut) Pin-10 from Connector CN1.

2. Reference the location of Capacitor C10.

Fig. 2 (Solder / Back Side)

3. Add a Jumper Wire across CN1 Pin-6 & Pin-7.

4. Cut the trace between Pin-2 & Pin-7 of CN1.

5. Add a Jumper Wire across CN1 Pin-1 & Pin-2.