

The following are ground updates to aid in reducing current stress on the connectors of the System-80 driver board. Applying these ground mods should help with the connectors and provide redundant grounds with the least resistance possible. The goal is to prevent non-working lamps and/or coils when one ground connection fails. This driver board has multiple (16) ground connections which are only for a part of the board. Tying these together would create the best possible ground connection.

Ground connections are as follows:

1. A3J2-6 is ground for: Game Over relay, Tilt relay, Coin Lockout coil, L2, L3, L4, L5, L6, L7, L8, Sound 16, L10, L11.
2. A3J3-Z is ground for: L12, L13, L14, L15, L16, L17, L18, L19.
3. A3J3-17 is ground for: L20, L21, L22, L23, L24, L25, L26, L27.
4. A3J3-U is ground for: L28, L29, L30, L31, L32, L33, L34, L35.
5. A3J3-S is ground for: L40, L41, L42, L43.
6. A3J3-C is ground for: L44, L45, L46, L47, L48, L49, L50, L51.
7. A3J4-5 is ground for: L36, L37, L38, L39.
8. A3J4-9 is ground for solenoid 1 & 9.
9. A3J4-10 is ground for solenoid 2.
10. A3J4-11 is ground for solenoid 6.
11. A3J4-14 is ground for solenoid 5.
12. A3J5-3 is ground for solenoid 8.
13. A3J6-4 is ground for solenoid 3, 4, 7.
14. Additional ground connections are A3J4-15,
15. A3J3-1, A3J3-A,
16. A3J1-1, A3J1-A.

All these ground connections are tied at either the ground plate or the transformer plate in the cabinet. As the basic ground upgrade indicates all boards need to be connected with an additional ground wire, tying these ground connections on the board would be even better.

Peter

[www.inkochnito.nl](http://www.inkochnito.nl)

If you like my work, please send me a donation via PayPal.

COPYRIGHT 1979  
D GOTTIEB + CO  
ALL RIGHTS RESERVED

ASSY: PB03-D1F0 001



