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Solid-State Relay Manual (SSR or SSR-D)

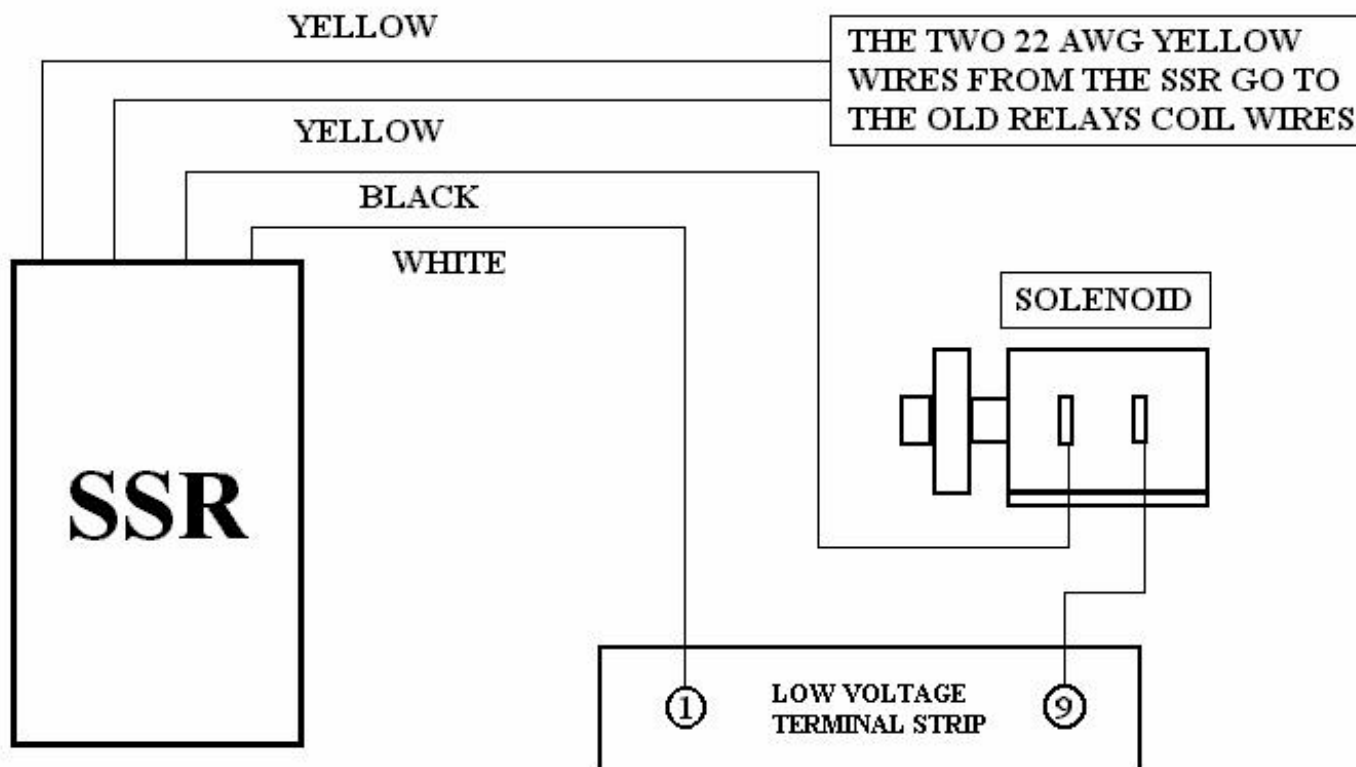
Solid-State Relay Theory

The solid-state relay works just like conventional contact closure relay but with out the actual mechanical movement and arching of relay points. A device called a TRIAC performs the contact closure for the solid-state relay and a device called an optocoupler resembles the coil of the relay.

Installation Instructions (SSR)

Remember to remove power before performing any installation!!

The (SSR) has many uses; it's a relay that can handle up to a 1 AMP switching current @ 220 VAC. For example, the (SSR) in a Brunswick "A" machine can be used as a reset relay. The wires that are going to the coil of the old relay are the wires that go to the 22 AWG yellow wires on the (SSR). The points of the relay have one set of wires, the contact wire and the wiper wire. With the (SSR) you would connect the contact wire to the white 18 AWG wire and the wiper wire to the 18 AWG black wire on the SSR (*See example below*).



EXAMPLE CIRCUIT

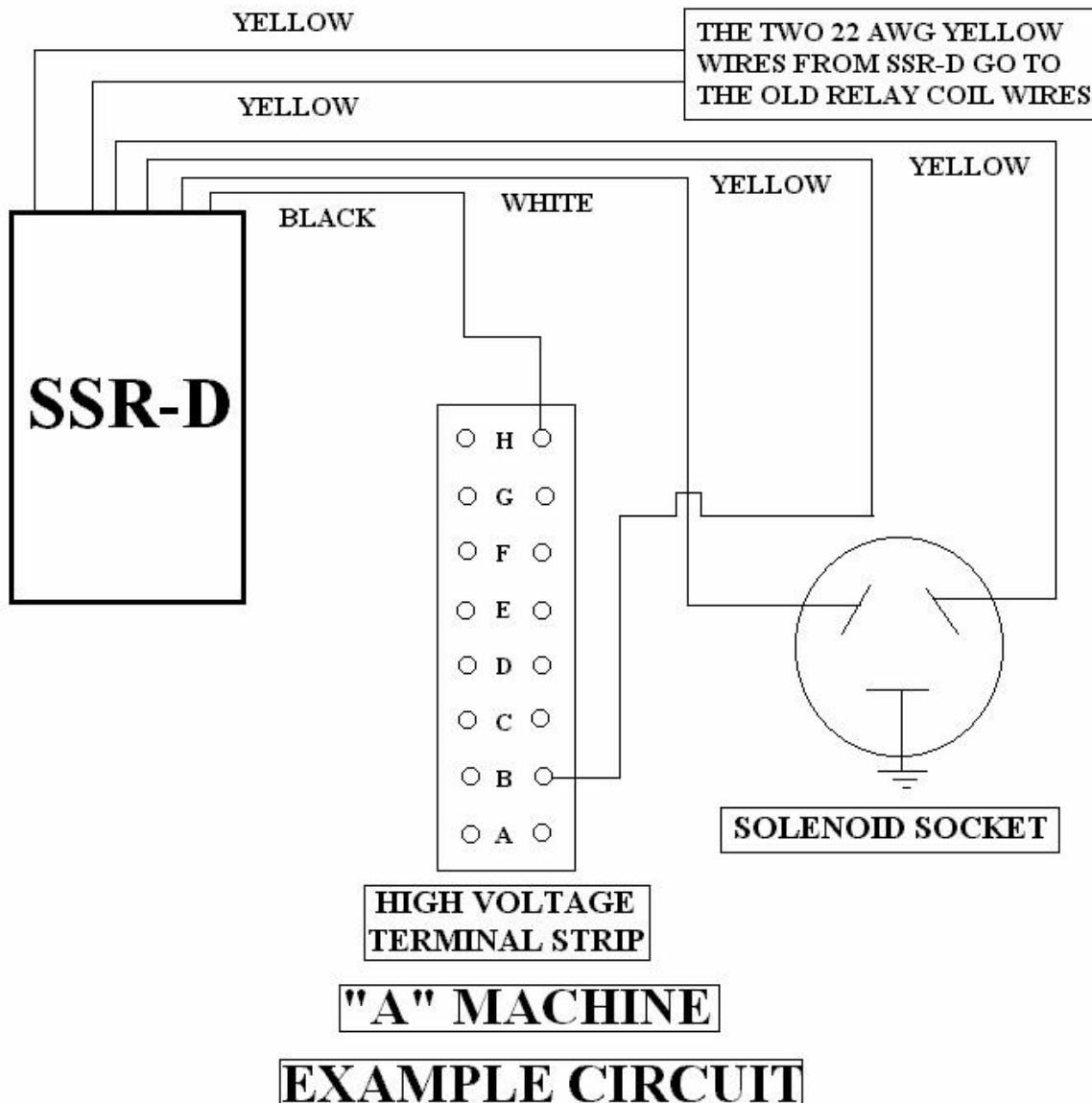
Installation Instructions (SSR-D)

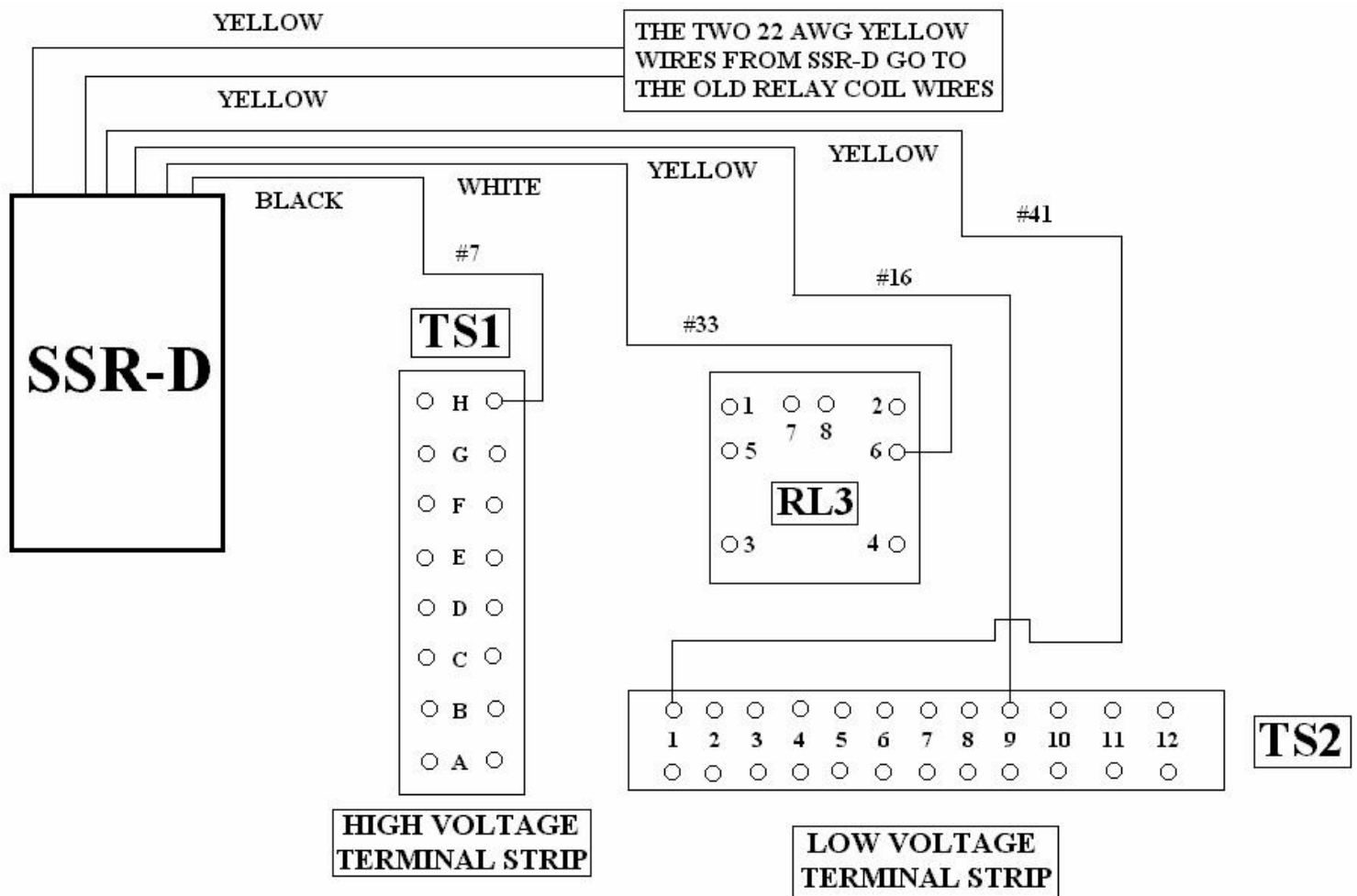
Remember to remove power before performing any installation!!

The (SSR-D) has many uses; it's a double pole relay that can handle up to a 1 AMP switching current @ 220 VAC per relay. For example the (SSR-D) in a Brunswick "A" or "A-2" machine can be used as a motor start relay or a reset relay. The wires that are going to the coil of the old relay are the wires that go to the 22 AWG yellow wires on the (SSR-D).

On an "A" machine as a reset relay the 18 AWG black wire from the (SSR-D) would go to terminal (H) of the high voltage terminal strip. The white 18 AWG wire from the (SSR-D) would go to one side of the solenoid socket. The yellow 18 AWG wire from the (SSR-D) would go to terminal (B) of the high voltage terminal strip. The other yellow 18 AWG wire from the (SSR-D) would go to the other side of the solenoid socket. (See example below)

On an "A-2" machine as a motor start relay the 18 AWG black wire from the (SSR-D) would go to wire #7. The white 18 AWG wire from the (SSR-D) would go to wire #33. The yellow 18 AWG wire from the (SSR-D) would go to wire #16. The other 18 AWG yellow wire from the (SSR-D) would go to wire #41. (See example on the next page)





"A-2" MACHINE
EXAMPLE CIRCUIT

For Repair Send Faulty Parts to:

Address: **BOWL-TRONICS**
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Notes:
