

What's it all About?

This project sheet shows a couple of ways to wire a duplex receptacles. The receptacle can also be controlled with a light switch when desired. When multiple receptacles are in a circuit you simply duplicate your wiring method.

Depending on the location of the receptacle being installed or replaced, it may need to be protected with Arc Fault or Ground Fault circuit interruption. Seek professional advice for the receptacle location.

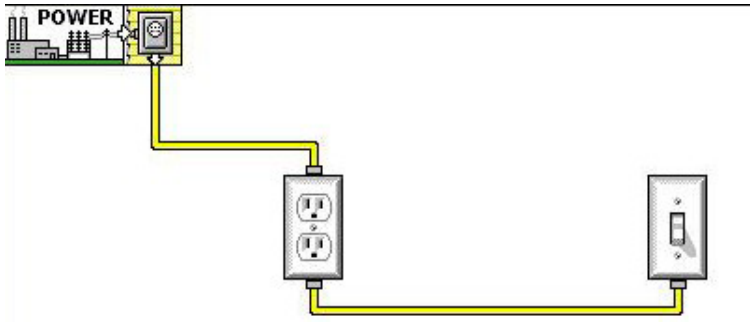
Keys to Remember

- When installing a new, or replacing any, receptacle, you should know its intended use. That includes size of connected loads/amperage, required voltage, wire size of branch circuit, and fusing/breaker size for the circuit.
- With any wiring project, safety for people and property is most important. The grounding wire (green or bare) is what provides protection. It must be properly bonded/connected to all of the metallic components in the circuit.
- The Division III manual on page 18 is a good reference source for receptacle configuration.

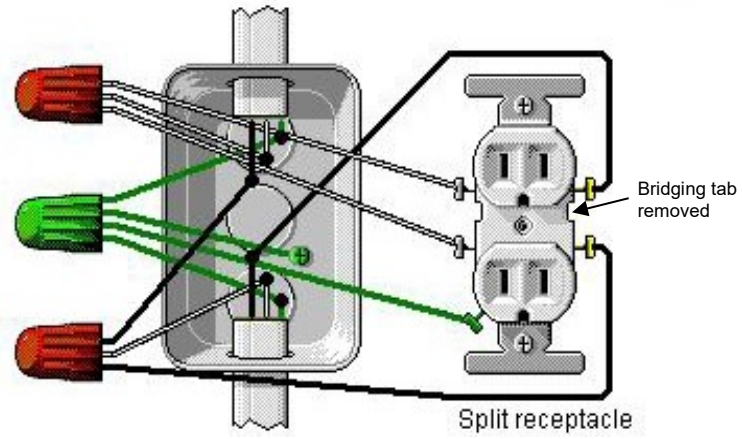
For the Project

- Material List with Costs
- References
- Diagrams
- Planning and Research
- Dimensions
- Title and Labels
- Pictures (if doing a report or poster)
- Record Sheet

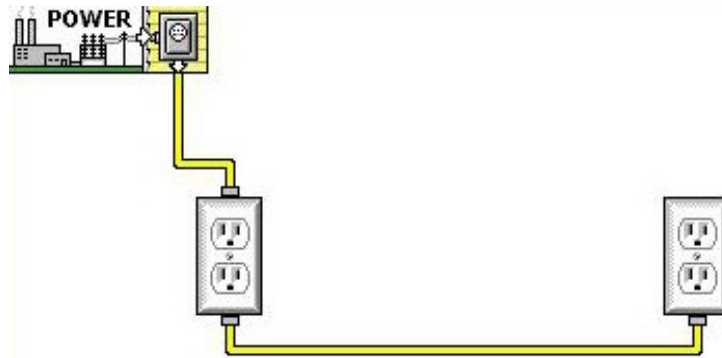
SWITCHED RECEPTACLE WHERE BOTTOM HALF IS ALWAYS HOT



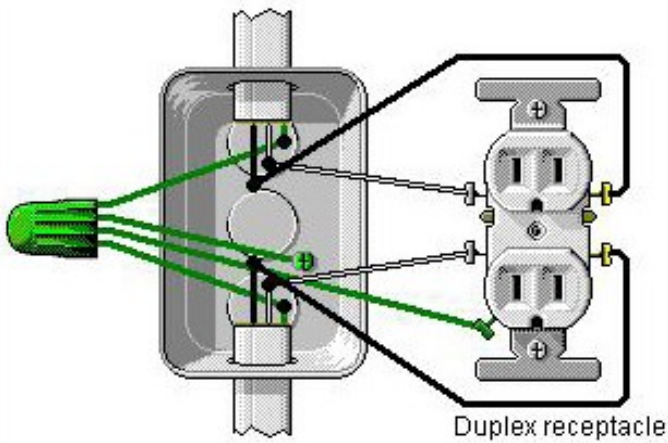
TOP IS SWITCHED; BOTTOM IS ALWAYS HOT



RECEPTACLE IN THE MIDDLE OF A CIRCUIT



POWER FLOWS THROUGH RECEPTACLE TO NEXT DEVICE



RECEPTACLE AT THE END OF A CIRCUIT

