Requirement 4d: Installing an Electrical Outlet

Step 1: Make Sure Power is OFF

- Turn off the breaker and use a voltmeter or tester
- (or a lamp) to make sure power is OFF to the circuit you are working on
- Good to measure with power ON and then OFF to make sure you are reading the meter correctly

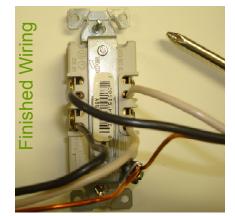
Step 2: Prepare the Wiring

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- Use cutters to carefully "nibble" back the cable sheathing
- Cut off the sheathing and the protective paper inside
- from end OR nibble" around
- wire and pull off
- Use wire strippers on 12 gauge setting to strip back 1/2" of insulation on white (Neutral) and black (Hot) wires
- Repeat for all wires to be connected

Step 3: Make the Connections

- Remember this rule: Black On Brass. White On Silver (BOB WOS)
- Connections can be push-in, screw compression, or screw head loops
- If outlet tabs are in place, connections can be made at any point per color
- Make sure all connections are tight



White on Silver (WOS)









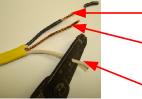




nick the insulation on the white and

Voltmeter

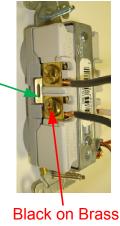




Outlet Tabs connect top

o bottom)

Black = HOT (carries power) Bare Copper = Ground White = Neutral



(BOB) Black (narrow) = Hot Ground

Screw Head Loops



White (wide)

= Neutral

Loop Goes Clockwise, Pinch to Close



Step 4: Install Outlet Plate and Check Your Work

- Install the outlet plate (one screw)
- Turn power back on
- Use outlet tester to make sure your connections are correct before using (correct = 2 orange lights)



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