



How To Install A Canopy Ceiling Fixture

A canopy or chandelier fixture is much heavier than the porcelain fixture previously described. Because it will exert a greater pull on the ceiling, it is necessary to add support. This is a chore, but hang with it.

Utensils

Medium flat blade screwdriver
Diagonal cutters
Wire strippers
Drill
Bits
Pliers
Soldering iron
Hammer

Ingredients

Fixture stud, if necessary
Short metal screws
Hickey
New ceiling fixture
Several assorted nipples including extension nipples
Two #8 wire nuts
Two 8/32" inch machine screws
1", 1" 1/2, or 2" inches, as necessary
Coil of solder & Soldering flux [non-acid]

Approximate Time: 60 Minutes, Depending On Size And Weight

1. **Turn off power** by disengaging appropriate fuse or circuit breaker.
2. Turning counterclockwise, remove screws holding old fixture in place. Pull fixture away gently to avoid breaking plaster.
3. You will notice 2 wires connected to fixture from ceiling box (Fig. 66A). Unscrew old wire nuts, if any. If wires are soldered or taped, cut away uninsulated portions.
4. Strip back 1/2" inch of insulation and bare wires with wire stripper.
5. Now examine interior of ceiling box to see if there is a stud. If not, you will have to buy one and install, as shown in Figure 66B, with drill, bit, and short metal screws, as in Recipe 65.
6. Now screw hickey into newly installed stud (Fig. 66C). Bottom of hickey should be flush with bottom of box. If not, install nipple between stud and hickey until hickey is flush.
7. Install short nipple, which comes with new fixture, into bottom of hickey (Fig. 66C).
8. Working with fixture on a table, disconnect chain support from chain of fixture (Fig. 66C).
9. Screw chain support onto nipple at bottom of hickey at ceiling box.
10. Remove locknut from chain support.
11. Place canopy over entire ceiling box. You will notice the threads of the chain support peeking through.
12. To see if chain support is long enough, try to screw locknut onto chain support so that it holds canopy to ceiling. If you cannot do so, you will have to add an extension nipple between the hickey and the stud.
13. Now remove locknut and pull away canopy from chain support.

14. Slide the locknut down over the chain, and then slide the canopy down over the chain.
15. Weave wires of fixture through chain up to and through chain support. Occasionally, the wires must be run through nipple and out of hickey.
16. Re-secure chain to chain support (Fig. 66C).
17. Once fixture is hanging from ceiling box, pull up on wires, through hickey, eliminating all slack.
18. Now cut off all but 6" inches of fixture wire with diagonal cutter.
19. Strip back 1/2" inch insulation with wire stripper, and twist bared strands in clockwise direction. Solder.

20. Connect fixture wires to ceiling wires - black to black, white to white (if no color, connect arbitrarily).

21. Screw wire nuts onto connected ends.

22. Push all wires into ceiling

23. Slide canopy up over chain onto chain support, covering ceiling box.

24. Slide locknut up over chain and screw onto chain support in clockwise direction.

25. Turn on power, energize new fixture.

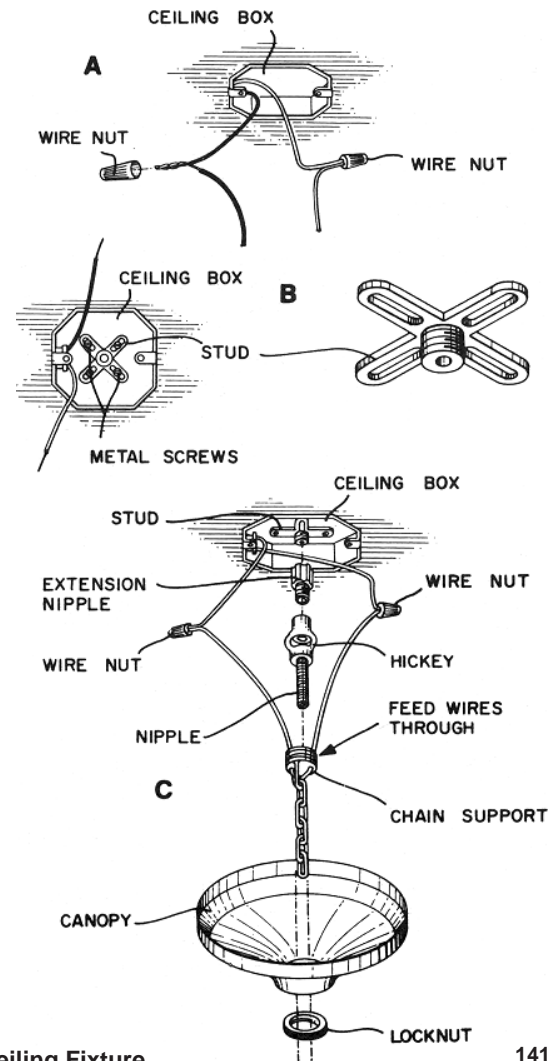


Figure 66.
Installing A Canopy Ceiling Fixture