

**CAREER
PATHS**

Electrician[⚡]

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Express Publishing

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Homebreeze

Installation Guide

Model: Ceiling Fan UJ790

ceiling fan
clearance
cross support
circulate
remote control

Important: Failure to **follow** these instructions during installation may present a safety hazard.

- 1 Before you begin, make sure you have enough space to install your **ceiling fan**. Without proper **clearance**, the fan may break or cause damage to surrounding walls and fixtures when operated.
- 2 Locate an appropriate **cross support**. We recommend mounting the fan **independently** from the included ceiling box so it stays **stable**. A fan towards the middle of the room will **circulate** the air most effectively.
- 3 Hang the fan with the included metal ceiling box (see page 4 for detailed instructions). Homebreeze Model UJ790 is a **swing-up** fan, so you will be able to wire the fan easily after you hang it.
- 4 Wire the fan, or have an electrician wire it for you (see page 6 for detailed instructions).
- 5 Swing the fan into place and secure the final screws in the ceiling box.
- 6 Test the fan to make sure that it does not **wobble**. The UJ790 is a **variable-speed** fan, so use the highest speed setting to perform this test. You will need two AA batteries to operate the **remote control**.

Get ready!

- 1 Before you read the passage, talk about these questions.

- 1 How does a ceiling fan work?
- 2 What should be considered when installing a ceiling fan?

Reading

- 2 Read the instruction manual on a ceiling fan. Then, complete the table using information from the manual.

Step	Description
Before Installation	_____
Installation	_____
After Installation	_____

Vocabulary

- 3 Write a word that is similar in meaning to the underlined part.

- 1 This light fixture should be installed without relying on other parts to the ceiling beam.
_ n d _ _ _ n d _ _ t l _
- 2 If the fan moves back and forth unsteadily, it is not installed correctly. w _ _ b l _ s
- 3 We need a fan that is capable of operating fast or slow to use in the wintertime.
_ _ r i _ b l _ _ _ p _ _ d
- 4 Before installation, the electrician located the solid beam in the ceiling.
c _ _ s s _ u _ _ o r _
- 5 Tighten the screws to keep each fixture securely in one place. _ t _ b _ e

- 4 Fill in the blanks with the correct words and phrases from the word bank.

Word BANK

circulate remote control swing-up
follow ceiling fan clearance

- Do you have enough _____ to install a fan here?
 - You must always _____ the instructions.
 - The bedroom lights are operated by _____.
 - The purpose of a fan is to _____ air.
 - This _____ fan is easy to wire after hanging.
 - The _____ makes the kitchen cooler.
- 5 Listen and read the instruction manual on a ceiling fan again. What is the final step after installation?

Listening

- 6 Listen to a conversation between two electricians. Mark the following statements as true (T) or false (F).
- ___ The wrong type of light fixture was installed.
 - ___ The woman's mistake caused a serious electrical malfunction.
 - ___ The woman forgot to test the fans after installation.
- 7 Listen again and complete the conversation.

Electrician 1: There seems to be something wrong with the way the 1 _____ are attached.

Electrician 2: Really? I tested the lights and they seem okay.

Electrician 1: Well, the wiring is fine, but 2 _____ when I turn on the fan at high speed.

Electrician 2: Oh, I see what you mean. The whole thing 3 _____.

Electrician 1: A fan wobbling like that won't 4 _____ properly. Or it could cause more serious problems, like electrical malfunction or damage to the fan.

Electrician 2: I know, I know. That was my fault. I should have 5 _____ right away to make sure they were stable.

Electrician 1: That's okay, Karen. Now that you've seen what happens, I'm sure you'll remember next time.

Electrician 2: I will. And I'll 6 _____ right away to tighten those light fixtures and make sure they're secure.

Speaking

- 8 With a partner, act out the roles below based on Task 7. Then switch roles.

USE LANGUAGE SUCH AS:

I tested the ...

The ... is fine, but look what happens ...

I should have ...

Student A: You are an electrician. Talk to Student B about:

- an error while installing fan
- possible consequences
- what action is needed

Student B: You are an electrician. Talk to Student A about a fan installation error.

Writing

- 9 Use the conversation from Task 8 to write the electrician's work report. Write about:
- item installed
 - nature of installation error
 - why hazardous
 - steps taken to correct problem



circulate