

1 Diagrams

Listening

6  Listen to a conversation between two electronics techs. Mark the following statements as true (T) or false (F).

- 1 ☐ The man is missing the service manual.
- 2 ☐ The woman suggests finding a detailed picture.
- 3 ☐ They decide to look at the schematic diagram for help.

7  Listen again and complete the conversation.

Tech 1: Well, it would be helpful if I could see a 1 _____.

Tech 2: Most manuals have diagrams in them. That one should, too. Check the index.

Tech 1: Yep, the 2 _____ has several different types of diagrams in it.

Tech 2: Great. 3 _____ of the components would be really helpful, don't you think?

Tech 1: You're right. Okay, so this manual has block, schematic, and 4 _____.

Tech 2: Well, block diagrams are the most 5 _____, _____ ones. I don't think that will be helpful.

Tech 1: Then what about the pictorial diagrams?

Tech 2: No, that's more for showing connections of parts. You need the 6 _____.

Listening

6  Listen to a conversation between a new technician and an experienced technician. Mark the following statements as true (T) or false (F).

- 1 ☐ The woman is working on a computer.
- 2 ☐ Extra keyboards are kept in the basement.
- 3 ☐ The man suggests checking the stockpile for a keyboard.

7  Listen again and complete the conversation.

New Tech: Excuse me, Jack. I'm 1 _____
_____ you while you're working, but I
have a question.

Experienced Tech: That's okay. What do you need?

New Tech: I'm working on this computer. 2 _____
_____ where I can find a keyboard for it?

Experienced Tech: We normally keep them in the storage closet.

New Tech: I already checked there but I didn't find any.
Could they be somewhere else?

Experienced Tech: No. If they're not in there then 3 _____
_____ have anymore.

New Tech: What should I do?

Experienced Tech: We have a whole 4 _____
machines downstairs. I think there are a few
keyboards there.

New Tech: Will one of those work?

Experienced Tech: Yes. There's 5 _____ with them. We
just couldn't use the actual computers anymore.

New Tech: Okay, well I'll 6 _____.



Listening

6  Listen to a conversation between two electricians. Mark the following statements as true (T) or false (F).

- 1 ☐ The dishwasher needs to be disconnected from the panel.
- 2 ☐ The woman believes that the electrical load needs balancing.
- 3 ☐ Breakers may need to be transferred from the high side to the low side.

7  Listen again and complete the conversation.

Electrician 1: First, you'll need to find out the amperage of all the appliances and fixtures. Do you have the 1 _____?

Electrician 2: Yes, they're right here.

Electrician 1: Good. Next, you're going to 2 _____ on each side of the main panel.

Electrician 2: Okay. So 3 _____ tell us?

Electrician 1: Well, the totals on each side should 4 _____, at least roughly.

Electrician 2: So I might need to transfer some of the breakers from the high side 5 _____?

Electrician 1: 6 _____. Try that and then run the dishwasher again.

1

How GFCIs work

Listening

6  Listen to a conversation between a homeowner and an electrician. Mark the following statements as true (T) or false (F).

- 1 ☐ GFCIs are not very expensive devices.
- 2 ☐ GFCIs should be tested every month.
- 3 ☐ GFCIs are different from regular outlets.

7  Listen again and complete the conversation.

Homeowner: Is installing GFCIs really all that important?

Electrician: It's 1 _____ because they can prevent electric shock.

Homeowner: But don't all 2 _____ do that? Why are these so special?

Electrician: GFCIs are actually different. They compare 3 _____ and will shut off if the currents change.

Homeowner: But will it cost more to install them?

Electrician: GFCIs are actually 4 _____ devices.

Homeowner: How reliable are they?

Electrician: They're 5 _____ very reliable. But you should still test all your GFCIs regularly.

Homeowner: How often is that?

Electrician: Usually it's 6 _____.

2

Types of GFCIs

Listening

6  Listen to a conversation between two electricians. Mark the following statements as true (T) or false (F).

- 1 ☐ It doesn't matter what type of GFCI is installed.
- 2 ☐ Appliances like hairdryers will not trip a circuit.
- 3 ☐ A standard GFCI device can be installed in a bathroom.

7  Listen again and complete the conversation.

Electrician 1: The 1 _____ is the last room we have to work on.

Electrician 2: 2 _____ of GFCI are we going to go with?

Electrician 1: Let me see ... it isn't 3 _____ in the work order.

Electrician 2: Well, what's the most 4 _____ to install?

Electrician 1: Actually, I think we should install what would 5 _____ in the bathroom. It's better to be safe than sorry.

Electrician 2: I guess you're right. Do you have any 6 _____?

Electrician 1: I'm thinking we should go with a receptacle ground fault circuit interrupter.

Electrician 2: That's a standard type to use for a bathroom, right?

12 Electrical safety

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