

Re: Aiwa F770 cassette from 1985

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- *From:* meow2222@xxxxxxxxxx
 - *Date:* 6 Mar 2007 11:05:50 -0800
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On 6 Mar, 16:19, "N Cook" <diver...@xxxxxxxxxx> wrote:

These units are called 4 head, 4 pairs of screened stereo wires going to the head but all seem to relate half the tape. So one question is why 2 pinch wheels when there seems to be no proper "reverse" side play or loop control function as a fixed head.

The "reverse" pinchwheel seems to operate only just clear of the reverse capstan spindle and has a strange guide that protrudes around the pinchwheel and into the recess of the cassette – what is the function of that protrusion and a non pinching pinch wheel ?

What do the 4 stereo heads do ?

why would someone need to replay at record – some semi-pro facility for EQ checks ?

Sounds like a quality cassette deck.

2 pinchwheels are used to pull the tape taut as it passes over the heads. The result is a dramatic increase in reliability of tape to head contact, thus eliminating a common cause of poor quality sound.

4 heads are used so that one can listen to the played back signal during recording. This enables several things:

1. you can adjust the bias and hear the result almost instantly, which makes a quality improvement with many tapes
2. If there is muck on the head, a bad tape, incomplete erase, or any other recording problem, you know immediately, and don't waste a lot of time making a dud recording.

Re: Aiwa F770 cassette from 1985

Sounds like its well worth fixing.

As for the pinchwheel protrusion, I dont know what it looks like so its impossible to say. Peraps its a small protrusion designed to hold the cassette in exactly the right position, cheaper decks often dont have accurate cassette shell holding, with predictable inconsistent results on tape to head contact and alignment.

PS all this technology goes back to the 70s, there was a late 70s Pioneer that had all the above, and is/was still one of the best cassetts decks 20 years later.

NT

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