

Re: Aiwa F770 cassette from 1985

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- *From:* "N Cook" <diverse8@xxxxxxxx>
 - *Date:* Tue, 6 Mar 2007 20:15:01 -0000
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bz <bz+ser@xxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
news:Xns98EB87F5ABC13WQAHBGMXSZHVspammote@xxxxxxxxxxxxxxxxxxxx

"N Cook" <diverse8@xxxxxxxx> wrote in [news:esk4bk\\$76s\\$1@xxxxxxxxxxxxxxxxxxxx](mailto:news:esk4bk$76s$1@xxxxxxxxxxxxxxxxxxxx):

According to the internet a respected deck in its day.
Had to deal with the slip clutch buried in the mechanism. Photoed before disassembly just in case. Reassembled and the 2 pinch wheels were fighting one another. A strange pair of springs one acting against the other for the "reverse" pinch wheel assembly. I must have put one of these springs back with wrong anchor position. Correcting that and its playing and FF and REW ok.
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.
Repeat sends back to replay the same side.
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 ?

Could it be an auto reverse deck that reverses when it hits a metal band

or

transparent area of the tape, near the end of the reel?

One set of heads plays/records in one direction and the other set plays/records in the other direction?

I seem to remember Aiwa had some like that.
My shop used to work on them in the early 70's (back when I had a shop).

The strange guide could be a 'tape tension' sensor. It may have been

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disabled at some time in the past to fix some problem.

Google shows several "Aiwa F770 Three-Head Studio Quality Cassette Deck" listings, so the chances are that it is to allow 'sound over' recording by playing back and mixing in new audio and then recording that, after the sound that was just played is erased.

One last possibility, the second pinch roller could be for a second