



AIWA CO.,LTD. UTSUNOMIYA FACTORY

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## SERVICE TECHNICAL INFORMATION

### ONE POINT REPAIR

UTSUNOMIYA, MAY 22 1995

REF. NO. : SI-95-013  
CUSTOMER RELATION & SERVICE DIV.

MODEL : AM - F1

SUBJECT : System Controller IC change

CONTENTS: Change the System Controller IC (IC700) of the AM-F1 as a remedy for the following 4 symptoms.

< Symptom → Remedy >

1

OWH (Over Write Head) Deformation.

When entering the REC condition, OWH is lowered and at the same time an eject prevention mechanism comes into play. However, due to faulty operations, the MD lid opens while OWH is still in a lowered position.

While in this state, OWH will become deformed when a disc is inserted or removed.

→ Reinforcement of Error Detection Function (OWH should always be raised when the MD lid is opened.)

2

Remains in the TOC EDIT position after REC, or BLANK DISC is displayed when playing the recorded disc.

These symptoms are caused by slippage of the focus servo due to a vibration applied to the unit during TOC EDIT (U-TOC writing), or by the disc being recorded when there was erroneous TOC EDIT information.

→ Reinforcement of the Error Detection Function (TOC EDIT should be able to perform normal recording even when there is vibration.)

3

The customer indicates that there are level fluctuations and sound distortion during analog REC (LINE MIC).

ALC (Auto Level Control) circuits are operating during analog input, however, because the ALC characteristic has been set for lengthy recording, the above symptoms occur when recording music signal.

→ Change the ALC characteristic so that it is suitable even for music recording.

4

When using AM-F1 to edit and play a disc that was recorded by a Sony MDS-S30, there are cases in which the disc can not be played. This is due to different TOC EDIT methods used between the initially produced models and subsequent MDS-S30 models.

→ Repair so that the unit can play discs recorded by different TOC EDIT methods.

#### \*Note

Regarding 3, because SI-94-051 (ALC characteristic change) has been made to gain the greatest effect, perform both repairs at the same time.