HITACHI SERVICE BULLETIN

MODEL: D-900

DESTINATIONS

SUBJECT: Improvement of PLAY operation

1. Reasons:

PLAY operation of some units is impossible or abnormal sound is generated afterREW operation caused by drift of the slider clamp installation position, so the shape of the slider holder has been changed and slider clamp has been removed.

2. Details of changes

<table>
<thead>
<tr>
<th>No.</th>
<th>Parts No.</th>
<th>Description</th>
<th>FOR ¥ Japan</th>
<th>*</th>
<th>Parts No.</th>
<th>Description</th>
<th>FOR ¥ Japan</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6746293</td>
<td>Slider holder</td>
<td>30 A B</td>
<td>6746292</td>
<td>Slider holder</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Interchangeability: A B: A can be a substitute for B. A B: B can be a substitute for A. A B: Both A B and A B are possible. A B: Not interchangeable.

3. Illustration

After changes:  

Before changes:  

4. How to dispose of original parts in stock: (1) Use (2) Scrap

5. Execution

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial No.</th>
<th>When</th>
<th>Model</th>
<th>Serial No.</th>
<th>When</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-900</td>
<td>from 804xxxx</td>
<td>from</td>
<td></td>
<td>from</td>
<td>from</td>
</tr>
<tr>
<td></td>
<td>from</td>
<td>from</td>
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<td>from</td>
<td>from</td>
</tr>
</tbody>
</table>

6. Remarks
HITACHI SERVICE BULLETIN

MODELS D-900

DESTINATIONS

SUBJECT Change of flywheel

1. Reasons

The capstan is short and there is danger of part of the pinch roller being deformed, so the length of the capstan has been lengthened by 1.5mm.

2. Details of changes

<table>
<thead>
<tr>
<th>No.</th>
<th>Parts No.</th>
<th>Description</th>
<th>FOR ¥ Japan</th>
<th></th>
<th>Parts No.</th>
<th>Description</th>
<th>FOR ¥ Japan</th>
</tr>
</thead>
<tbody>
<tr>
<td>6373172</td>
<td>Flywheel(R)</td>
<td>340</td>
<td>A→B</td>
<td>6372609</td>
<td>Flywheel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6373194</td>
<td>Flywheel(L)</td>
<td>210</td>
<td>A→B</td>
<td>6372587</td>
<td>Flywheel</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Interchangeability
  A B: A can be a substitute for B.  A B: B can be a substitute for A.
  A B: Both A B and A B are possible.  A B: Not interchangeable.

3. Illustration

   After changes

   Before changes

4. How to dispose of original parts in stock.  (1) Use  (2) Scrap

5. Execution

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial No.</th>
<th>When</th>
<th>Model</th>
<th>Serial No.</th>
<th>When</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>from</td>
<td></td>
<td></td>
<td>from</td>
<td></td>
</tr>
<tr>
<td></td>
<td>from</td>
<td></td>
<td></td>
<td>from</td>
<td></td>
</tr>
</tbody>
</table>

6. Remarks
HITACHI SERVICE BULLETIN

MODELS: D-900

DESTINATIONS

SUBJECT: Improvement of mechanical sound

1. Purpose
   Mechanical sound occurs in STOP mode, so to improve it, following modification has been made.

2. Detail of change
   1) Crook AS spring as shown below.

   ![Diagram of AS spring](image)

   Procedure
   1. Crook AS spring as a dotted line.
      Dimension of "a" is 1-2mm from AS control spring to intersecting point of AS control plate and chassis.
   2. Then check the tension at point "b" with tension gage that AS control plate begin to start to rotate within 4-6 gram tension. If measured tension is not within 4-6 gram, readjust the crook of AS spring.
   3. After assembling, turn on the power.
      And confirm that abnormal sound doesn't produced on STOP mode.

2) Change of Take-up reel
   Addition of washer

   ![Diagram of take-up reel](image)

3. Execution
   D-900--------804XXXXX
HITACHI SERVICE BULLETIN

MODELS D-900

DESTINATIONS

SUBJECT Improvement of hum

1. Reasons

To decrease a hum noise, wiring of secondary wire (P.T.) is changed.

Wire "Blue" is paralleled with "Black" on original model. After changing, "Black" is as in the original, and "Blue" is changed as below.

2. Details of changes

<table>
<thead>
<tr>
<th>(A) New parts after changes</th>
<th>(B) Original parts before changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Parts No.</td>
</tr>
<tr>
<td>-----</td>
<td>-----------</td>
</tr>
<tr>
<td></td>
<td>A B</td>
</tr>
<tr>
<td></td>
<td>A B</td>
</tr>
<tr>
<td></td>
<td>A B</td>
</tr>
</tbody>
</table>

* Interchangeability

- A B: A can be a substitute for B.
- A B: B can be a substitute for A.

- A B: Both A B and A B are possible.
- A B: Not interchangeable.

3. Illustration

After changes

2nd lead wire of Power trans.

Before changes

4. How to dispose of original parts in stock

(1) Use

(2) Scrap

5. Execution

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial No.</th>
<th>When</th>
<th>Model</th>
<th>Serial No.</th>
<th>When</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-900</td>
<td>from XXXXX2083</td>
<td>from</td>
<td></td>
<td>from</td>
<td>from</td>
</tr>
<tr>
<td></td>
<td>from</td>
<td></td>
<td></td>
<td>from</td>
<td>from</td>
</tr>
</tbody>
</table>

6. Remarks
HITACHI SERVICE BULLETIN

Issued on July 20, 1978
Issued by Tokai
Serial No. T-109
(of factory)

MODELS D-550/720/850 SDT-9600/7785

DESTINATIONS

SUBJECT Improvement of mechanical sound

1. Reasons

Mechanical gearing sound is produced from F gear of Gear plate, so to improve it, following modification has been made.

2. Details of changes

(A) New parts after changes

<table>
<thead>
<tr>
<th>No.</th>
<th>Parts No.</th>
<th>Description</th>
<th>FOR ¥ Japan</th>
<th>*</th>
</tr>
</thead>
<tbody>
<tr>
<td>6308941</td>
<td>F arm spring</td>
<td>15.</td>
<td>A B</td>
<td></td>
</tr>
</tbody>
</table>

(B) Original parts before changes

<table>
<thead>
<tr>
<th>No.</th>
<th>Parts No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>A B</td>
</tr>
</tbody>
</table>

* Interchangeability
- A B: A can be a substitute for B.
- A: B can be a substitute for A.
- A B: Both A B and A B are possible.
- A B: Not interchangeable.

3. Illustration

After changes

Before changes

Lubricate "Hitazol" on this point

4. How to dispose of original parts in stock. (1) Use (2) Scrap

5. Execution

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial No.</th>
<th>When</th>
<th>Model</th>
<th>Serial No.</th>
<th>When</th>
</tr>
</thead>
<tbody>
<tr>
<td>All of above</td>
<td>from 804XXXXX</td>
<td>from April '78</td>
<td>from</td>
<td>from</td>
<td>from</td>
</tr>
</tbody>
</table>

6. Remarks
Subject: Improvement of auto stop mal-function

Tape transportation is stopped by working of auto stop mechanism on playing back mode, so to improve it, following modification has been made.

Floating arm

Oil lubricating point

AS arm

Arm shaft

Floating cam

Take-up turntable

Cam gear

Gear plate ass'y

Procedure
1. Remove Gear plate ass'y. Lubeicate Pan motor oil on the contact surface of Floating arm and Arm shaft and AS arm.
2. Make sure that AS arm moves smoothly.

Execution: D-550/720 SDT-9600/7785 from 804XXXXX
HITACHI SERVICE BULLETIN

MODELS  D-550/720/SDT-9600/9610/7785

DESTINATIONS

SUBJECT Improvement of pause mechanism

On former pause mechanism, when pause button depressed to stop the tape transportation temporarily during playing back or recording, heads and pressure roller return to original position. Therefore, it was caused by slow tape speed at beginning when pause mode is released.

So to improve this problem, pause mechanism has been changed as below.

After change

When pause button is depressed to release pause mode:

1) Heads keep touch to tape surface.
2) Pressure roller detach from capstan.

Details of changes

<table>
<thead>
<tr>
<th>Description</th>
<th>New parts</th>
<th>Original parts</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure roller</td>
<td>6743589</td>
<td>6383154</td>
<td>D-550AU/RW/W/BS/PS SDT-7785</td>
</tr>
<tr>
<td></td>
<td>6743587</td>
<td></td>
<td>D-550U SDT-7785</td>
</tr>
<tr>
<td></td>
<td>6383152</td>
<td></td>
<td>D-720all/SDT-9600 All</td>
</tr>
<tr>
<td>Pause lever</td>
<td>7305281</td>
<td>7287038</td>
<td>D-550AU/RW/W/BS/PS SDT-7785E</td>
</tr>
<tr>
<td>Pause change arm</td>
<td>7297225</td>
<td>7296068</td>
<td>D-550U SDT-9600</td>
</tr>
<tr>
<td>Playback plate ass</td>
<td>7296068</td>
<td>7296065</td>
<td>D-720U/AU/W/FS SDT-9600</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7287034</td>
<td>D-720C/RW</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7287036</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>7287032</td>
<td></td>
</tr>
<tr>
<td>Pause slider</td>
<td>7287138</td>
<td>7287133</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>D-550AU/RW/W/BS/FS SDT-7785E</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>D-720ALL SDT-9600 SDT-7785E</td>
</tr>
</tbody>
</table>

Execution

D-550-------71107501 Nov. of '77
D-720-------71107001 Nov. of '77
SDT-7785------71104001 Nov. of '77
SDT-9600------71105001 Nov. of '77
other ---- from 1

T-111

Tokai
After change:

Pause lever

Pause change arm

Playback plate ass

Pressure roller

Playback mode