

# Service Manual

## Video Cassette Recorder ALL T-MECHA (Hi-Fi/MONO)

Model: (PAL/SECAM MODELS)

DVST7C3/4C3/2C3 Series

DVST7E3/4E3/2E3 Series

DVST7M3/4M3/2M3 Series

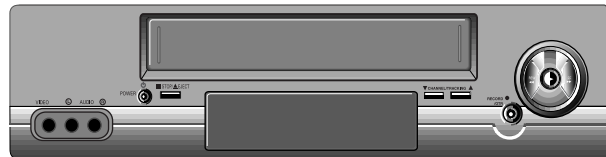
DVST7J3/4J3/2J3 Series

DVST7D3/4D3/2D3 Series

DVST7T3/4T3/2T3 Series

DVST7W3/4W3/2W3 Series

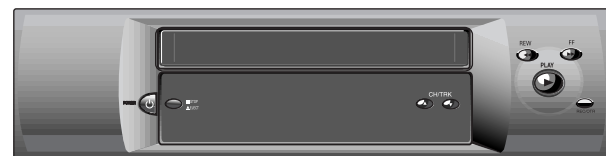
DVST7L3/4L3/2L3 Series



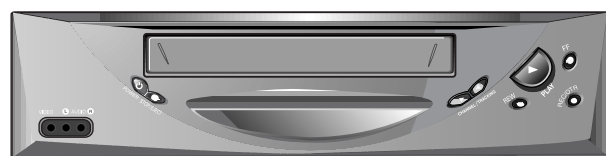
DVST7L3



DVST7E3



DVST7C3



DVST7B3



F2TAA2

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# SAFETY & PRECAUTIONS

## SAFETY CHECK AFTER SERVING

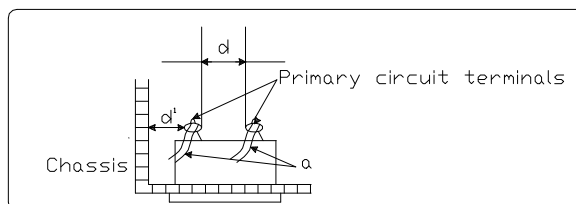
Examine the area surrounding the repaired location for damage or deterioration. Observe that screw, parts and wires have been returned to original positions. Afterwards, perform the following tests and conform the specified values in order to verify compliance with safety standards.

### 1. Insulation resistance test

Confirm the specified insulation resistance between power cord plug prong and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.) is greater than values given in table 1 below.

### 2. Dielectric strength test

Confirm specified dielectric strength between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input output terminals, microphone jack, ear phone jacks, etc.) is greater than values given table 1.



### 3. Clearance distance

When replacing primary circuit component, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table below.

Rating for selected areas

AC Line Voltage	Region	Insulation Resistance	Dielectric Strength	Clearance Distance(d),(d')
100V	Japan	$\geq 1\text{M}\Omega/500\text{V DC}$	1kV AC 1min.	$\geq 3$
110 to 130V	USA & Canada	-	900V AC 1min.	$\geq 3.2$
* 110 to 130V 200 to 240V	Europe Australia Latin America	$\geq 10\text{M}\Omega/500\text{V DC}$	4kV AC 1min.	$\geq 6(d)$ $\geq 8(d')$ (a :Power cord)

\* : Class model only

## NOTE

This table is unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality

## 4. Leakage current test

Confirm specified or lower leakage current between B(earth ground, power cord plug prongs) and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input terminals, microphone jacks, earphone jacks, etc.)

Measuring method:(Power ON) Insert load Z between B(earth ground, power cord plug prongs) and exposed accessible parts. Use on AC voltmeter to measure across both terminals of load Z. See figure2 and following table.

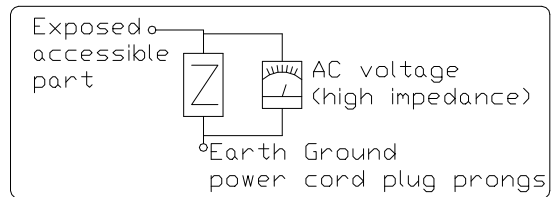






Fig.2

Leakage current ratings for selected are as

AC Line Voltage	Region	Load Z	Leakage Current( $i$ )	Clearance Distance(d),(d')
100V	Japan	 1k $\Omega$	$i \leq 1$ mArms	Exposed accessible parts
110 to 130V	USA & Canada	 15k $\mu$ F 1k $\Omega$	$i \leq 0.5$ mArms	Exposed accessible parts
110 to 130V 200 to 240V	Europe Australia	 2k $\Omega$	$i \leq 0.7$ mA peak $i \leq 2$ mAdc	Antenna earth terminals
		 50k $\Omega$	$i \leq 0.7$ mA peak $i \leq 1$ mAdc	Other terminals

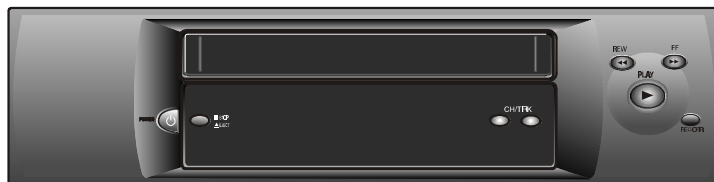
**NOTE**

This table is unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

# EXTERNAL VIEWS

## 1. FRONT VIEWS FUNCTION

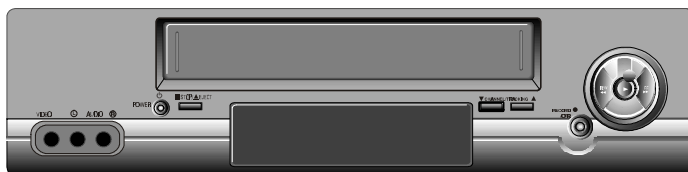
### DVST7C3 FRONT VIEW



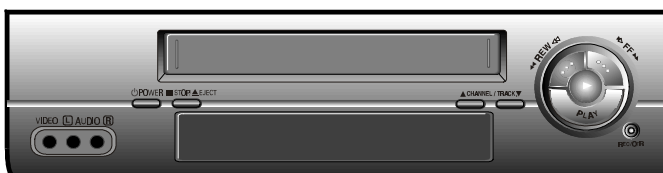
### DVST7E3 FRONT VIEW



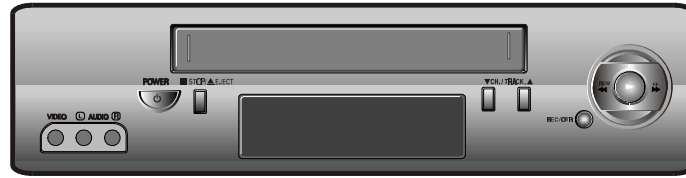
### DVST7L3 FRONT VIEW



### DVST7M3 FRONT VIEW



## DVST7J3 FRONT VIEW



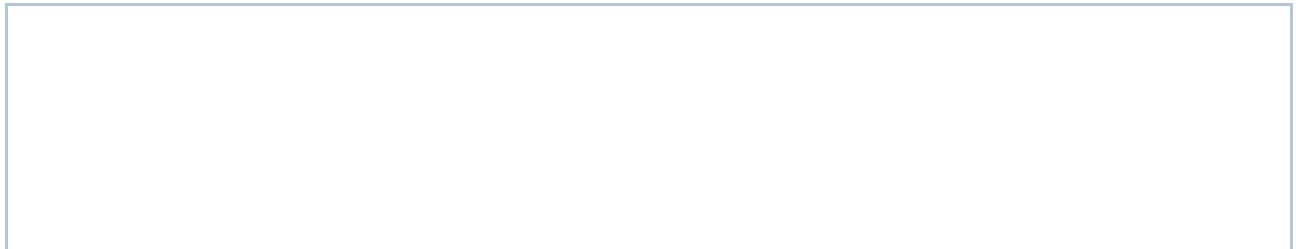
## DVST7D3 FRONT VIEW



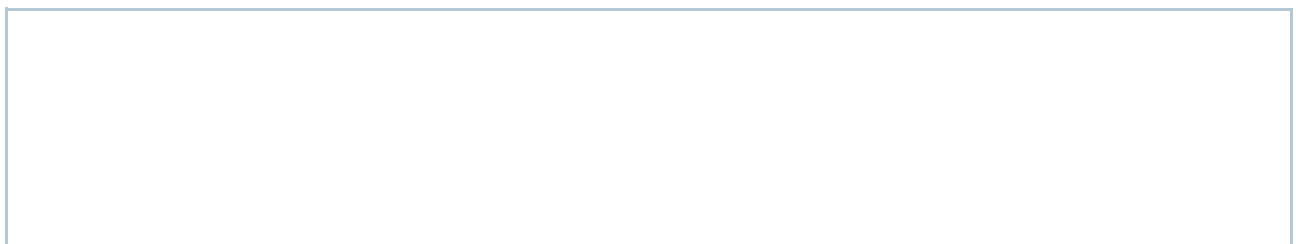
## DVST7B3 FRONT VIEW



## DVST8T3 FRONT VIEW



## DVST8W3 FRONT VIEW



POWER  
 STOP / EJECT  
 RECORD  
 FRONT VIDEO/AUDIO INPUT JACK

REWIND / REVIEW  
 FAST FORWARD / CUE  
 PLAY BACK  
 CHANNEL UP / DOWN

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