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STEREO TURNTABLE SYSTEM

SPECIFICATIONS

GENERAL

Power Requirements: 120V ac, 60 Hz (US, Canadian model) 110, 120, 220, 240 V ac ~ (UK, AEP model) adjustable 50 or 60Hz

12W (US, Canadian model) 18W (UK, AEP model)

Dimensions: Approx. 445(w) x 160 (h) x 370(d)mm 17½(w) x 5¼(h) x 145/g (d)inches Including projecting parts and controls

Approx. 7.4 kg, 16 lb 5 oz (net) Approx. 9.7 kg, 21 lb 6 oz (in shipping carton)

TURNTABLE

Platter: 30 cm (12 inches), aluminum-alloy diecast Motor: 4-pole synchronous

Drive System: Belt drive

Speeds: 331/3rpm, 45rpm

Wow and Flutter: 0.06%(WRMS) ±0.08%(DIN)

S/N Ratio: 63dB (DIN-B)

SAFETY-RELATED COMPONENT WARNING!

COMPONENTS IDENTIFIED BY SHADING ON THE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

US Model UK Model Canadian Model AEP Model

(Canadian Model)

TONEARM

Type: Statically balanced, universal

Pivot-to-Stylus Length: 216.5mm (89/16 inches) Overall Arm Length: 300mm (113/4 inches) Overhang: 16.5mm (21/32 inches)

> Tracking Error: Within +3°, -1° Tracking-Force

Adjustment Range: 0-3g Shell Weight: 7.5g Cartridge Weight Range: 4-10g

CARTRIDGE

Type: Moving magnet type Frequency Range: 10 - 30,000 Hz Channel Separation: 25 dB at 1,000 Hz Load Impedance: 50 kΩ

Output Voltage: 3mV at 1kHz, 5cm sec, 45° Tracking Force: 1.5 - 2.5g (2g recommended) Stylus: Sony ND-134G (Conical 0.5 mil

> diamond) Weight: 5.5g

SONY

MODEL IDENTIFICATION

--- Specification Labels ---

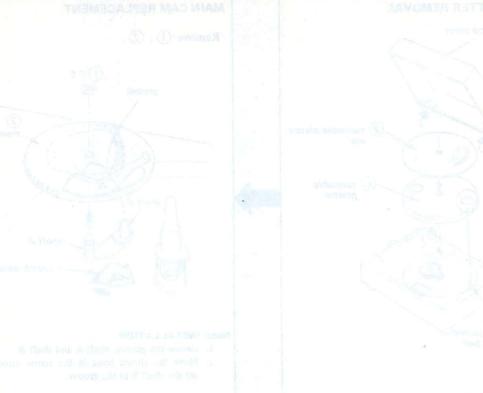
US. Canadian model

STEREO TURNTABLE SYSTEM SONY MODEL NO. PS-1700 AC 120V 60 Hz 12 W SERIAL NO. MADE IN JAPAN

UK, AEP model

-2-

STEREO TURNTABLE SYSTEM MODEL NO. PS-1700 ~110, 120, 220, 240V 50/60Hz 18W SERIAL NO. MADE IN JAPAN



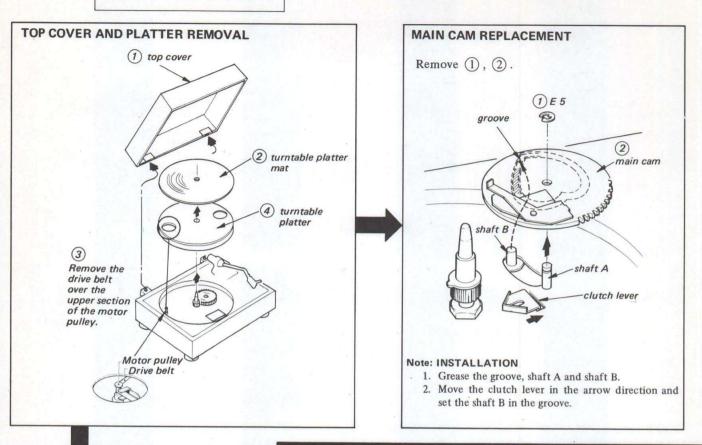


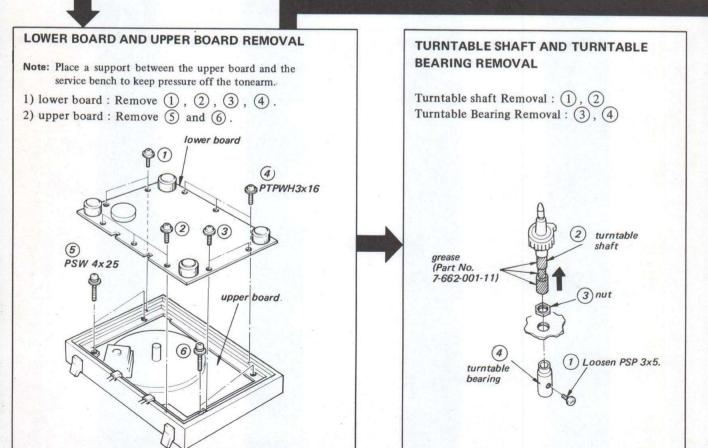
PS#1700

WAR

Unplug the ac power cord before starting any disassembly or replacement procedures.

SECTION 1 DISASSEMBLY AND REPLACEMENT



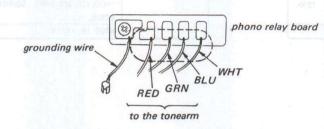


HEAD SHELL CONNECTOR REPLACEMENT

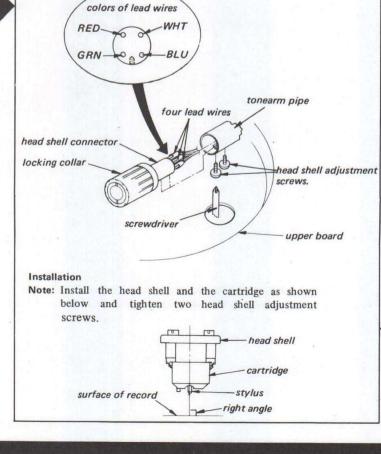
Note:

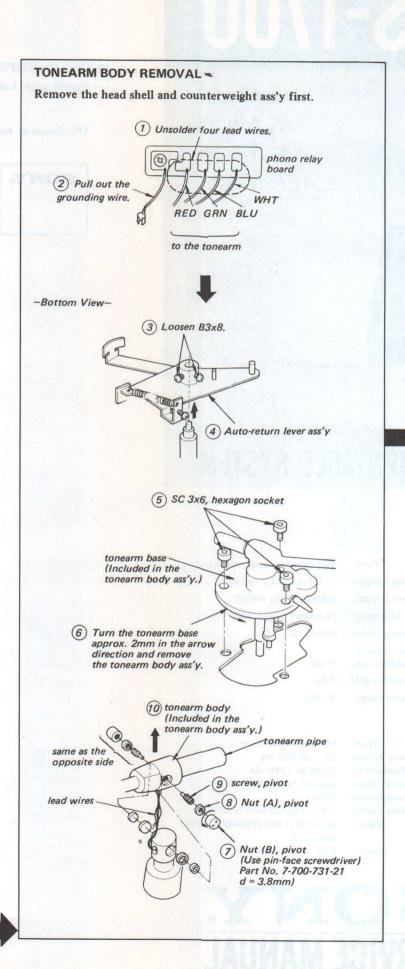
The four lead wires for head shell are difficult to pass through the tonearm pipe. Thus, use the former lead wires when replacing the connector.

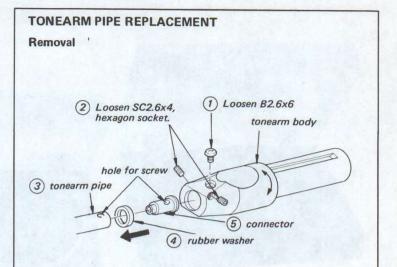
1. Unsolder four lead wires on the phono relay board as shown below.



- Loosen two head shell adjustment screws as shown below.
- 3. Pull out the shell head connector about 3cm (1.3/16 inches) slowly while pushing the four leads into the tonearm pipe from the tonearm base side.
- 4. Remove the tubes and unsolder the lead wires.
- 5. Replace the connector but do not tighten the head shell adjustment screws at this time.

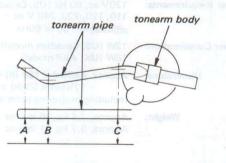




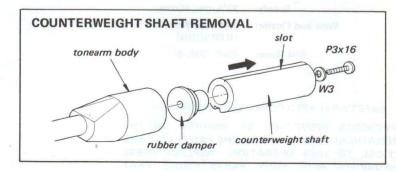


Installation

- 1. Replace the tonearm pipe.
- Insert the tonearm pipe, rubber washer and connector in the tonearm body and temporarily secure the pipe with two SC 2.6x4 screws and a B 2.6x6 screw.
- 3. Mount the tonearm body at the tonearm base with two pivot screws (Refer to TONEARM BODY REMOVAL). Do not tighten the pivot screws at this time.
- Install the tonearm body ass'y on the upper board temporarily (Refer to TONEARM BODY REMOVAL).
- 5. Adjust the balance of the tonearm as shown below.



 Remove the tonearm body ass'y again and tighten a B 2.6x6 screw and two SC 2.6x4 screws firmly.

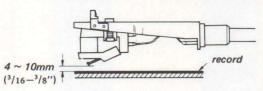


SECTION 2 ADJUSTMENTS

TONEARM HEIGHT ADJUSTMENT

A) Automatic Return Operation

The stylus tip should be 4-10mm above the record surface as the tonearm returns to its rest automatically.

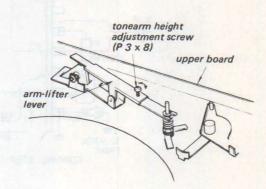


If necessary, adjust the height of the arm-lifter by loosening the adjustment screw as shown below.



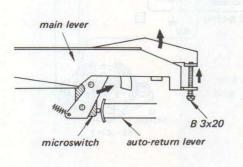
B) Manual Return Operation

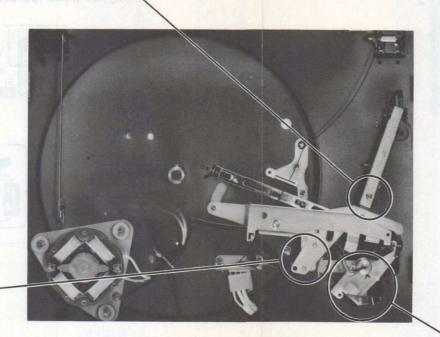
- Bring the tonearm on the record and set the curing lever to "▼" (up position).
- 2. Confirm that the clearance between the stylus tip and the record surface is 4-7mm.
- 3. If necessary, adjust the height of the armlifter by turning the adjustment screw (P3x8) as shown below.



MICROSWITCH POSITION ADJUSTMENT

- 1. Secure the tonearm to the tonearm rest.
- 2. Set the microswitch to "OFF" by turning the adjustment screw (B3x20).
- 3. When the tonearm is removed from its rest, confirm that the microswitch turns "ON".
- 4. When the tonearm returns to its rest automatically, the microswitch should turns "OFF".

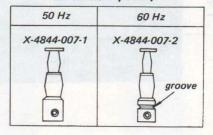




ADAPTATION TO LOCAL POWER LINE FREQUENCY

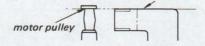
This unit can be adapted to operate at another power line frequency by changing the motor pulley ass'y

Motor Pulley Ass'y



- 1. Set the speed selector lever to "33".
- 2. Adjust the motor pulley height as shown below.

drive belt shifter (upper side)

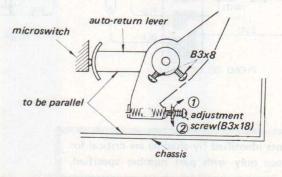


AUTOMATIC RETURN POSITION ADJUSTMENT

- 1. Secure the tonearm to the tonearm rest.
- Adjust the auto-return lever by loosening two screws (B3x8) so that the auto-return lever is parallel with the edge of the chassis as shown below.
- If the automatic return operation does not work properly, adjust by turning the adjustment screw as shown below.

Turning direction Automatic return position

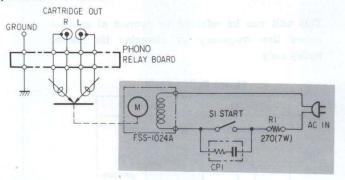
1 become slow.
2 become fast.



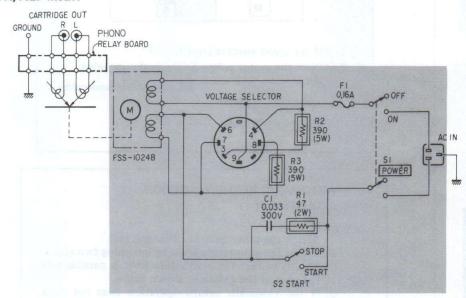
SECTION 3 DIAGRAMS

3-1. SCHEMATIC DIAGRAM

US, Canadian model

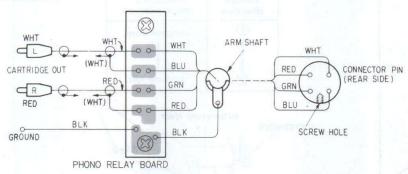


UK, AEP model



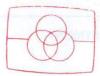
3-2. WIRING DIAGRAM (1)

All models



Note: The components identified by shading are critical for safety. Replace only with part number specified.

WIRING DIAGRAM (2)

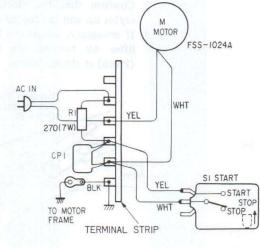


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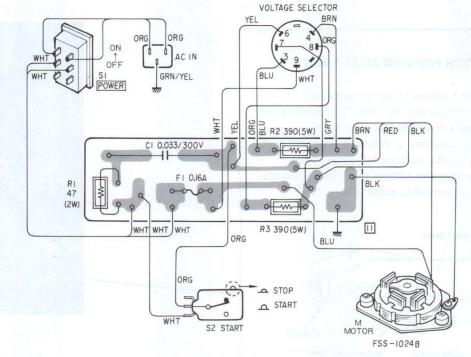
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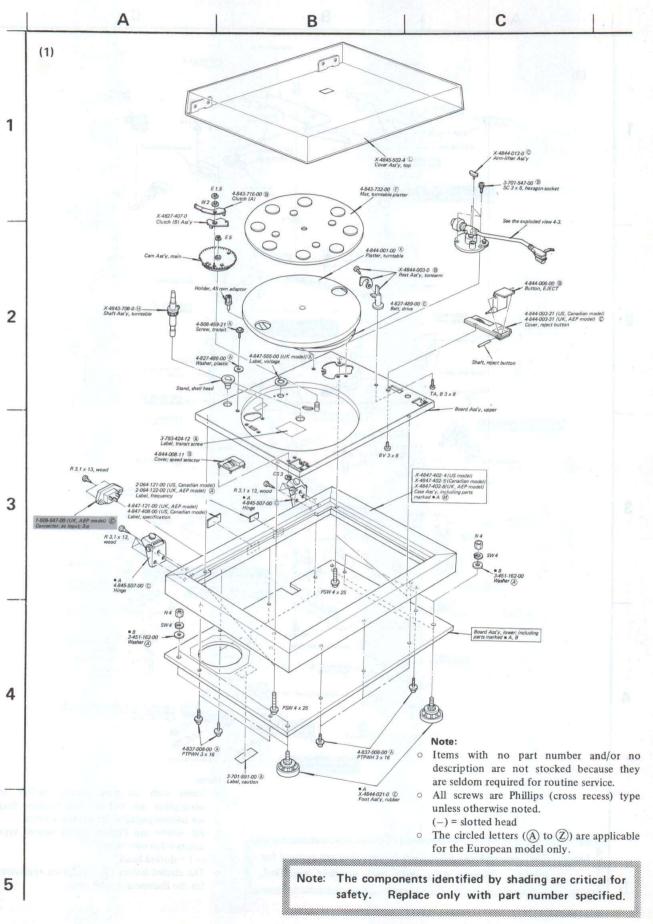
US, Canadian model

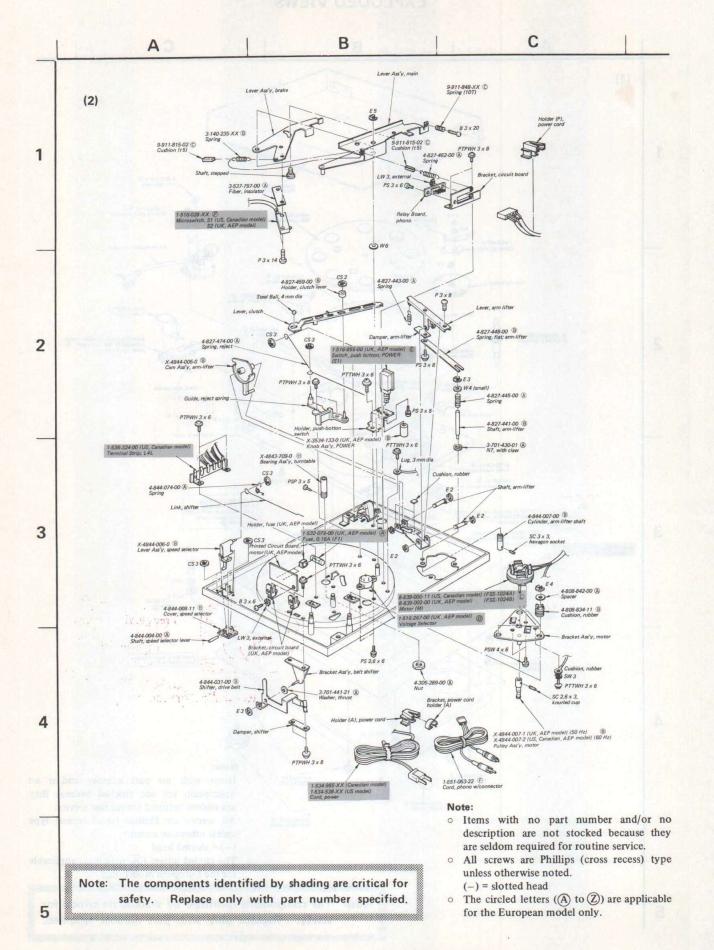


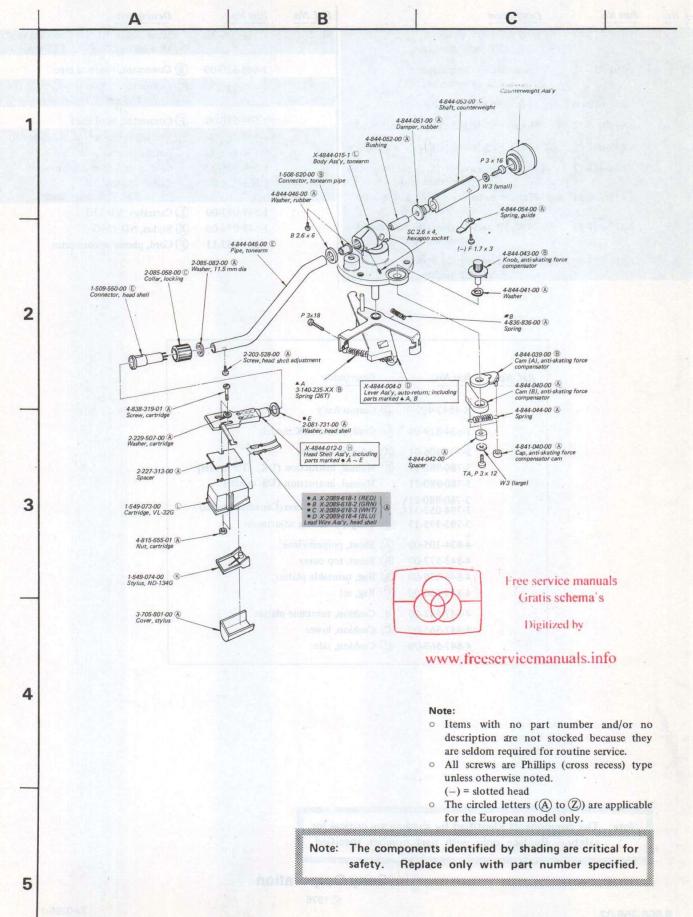
UK, AEP model (Conductor Side)



SECTION 4 EXPLODED VIEWS









SECTION 5 ELECTRICAL PARTS LIST

• The circled letters (A to Z) are applicable for the European model only.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C1	1-108-750-12	B 0.033μF 300V mylar (UK, AEP model)	S1, 2	1-516-028-XX	Microswitch, S1 (US Canadian model) (F) Microswitch, S2 (UK, AEP model)
CP1	1-101-534-31	Encapsulated Component		B Connector, tonearm pipe	
		(US, Canadian model)		1-509-547-00	Connector, ac input; 3-p
F1	1-532-079-00	B Fuse, 0.16A (UK, AEP model)			(UK, AEP model)
M	8-839-000-11	Motor, FSS-1024A (US, Canadian model)		1-509-550-00	F Connector, head shell
M	9 9 20 002 00			1-516-267-00	D Voltage Selector (UK, AEP model)
M	8-839-002-00	(L) Motor, FSS-1024B (UK, AEP model) 1-534-538-XX Cord, por	Cord, power (US model)		
R1	1-214-083-11	270Ω7W metal oxide (US, Canadian model)		Cord, power (Canadian model)	
		(nonflammable)		1-536-324-00	Terminal Strip, L4L
R1	1-217-220-11	B 47Ω 2W metal oxide (UK, AEP model)			(US, Canadian model)
		(nonflammable)	1/1/5	1-549-073-00	L Cartridge, VL-32G
R2, 3	1-217-317-11	B 390Ω 5W metal oxide (UK, AEP model)	V /2	1-549-074-00	(K) Stylus, ND-134G
		(nonflammable)	1	1-551-063-11	F) Cord, phono w/connector
S1	1-516-855-00	E Switch, push-button: POWER (UK, AEP model)			- Committee of the Comm

Ref. No.	Part No.	Description
AND DESCRIPTION OF THE PARTY OF	X-4847-405-0	© Carton Ass'y
	1-534-819-00	G Cord, power (UK model)
and the same of	3-701-806-01	A Adaptor, 45 rpm
	3-780-980-11	B Manual, instruction (UK, AEP model)
Control Species	3-780-980-21	Manual, instruction (US model)
	3-780-980-21 3-794-052-31)	Manual, instruction (Canadian model)
	3-793-395-13	B Gauge, overhang adjustment
	4-834-105-00	A Sheet, polyethylene
	4-843-577-00	B Sheet, top cover
I ree service manda	4-844-059-00	B Bag, turntable platter
Gratili schema's	4-844-060-00	© Bag, set
	4-847-542-00	B Cushion, turntable platter
Oigilized by	4-847-565-00	© Cushion, lower
	4-847-569-00	© Cushion, side
servicem mualsant	www.free	

Note: The components identified by shading are critical for safety. Replace only with part number specified.

Sony Corporation