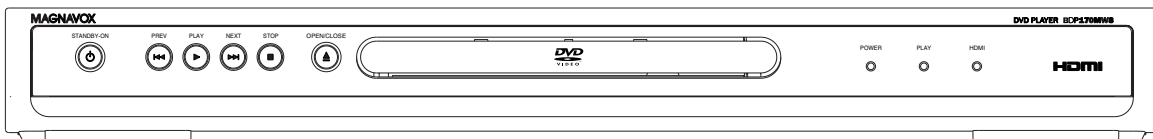


# MAGNAVOX

# SERVICE MANUAL

This service manual shows only the differences between the model BDP170MW8 and the original model DP170MS8. All other information is described in the service manual of the model DP170MS8.

## DVD PLAYER BDP170MW8



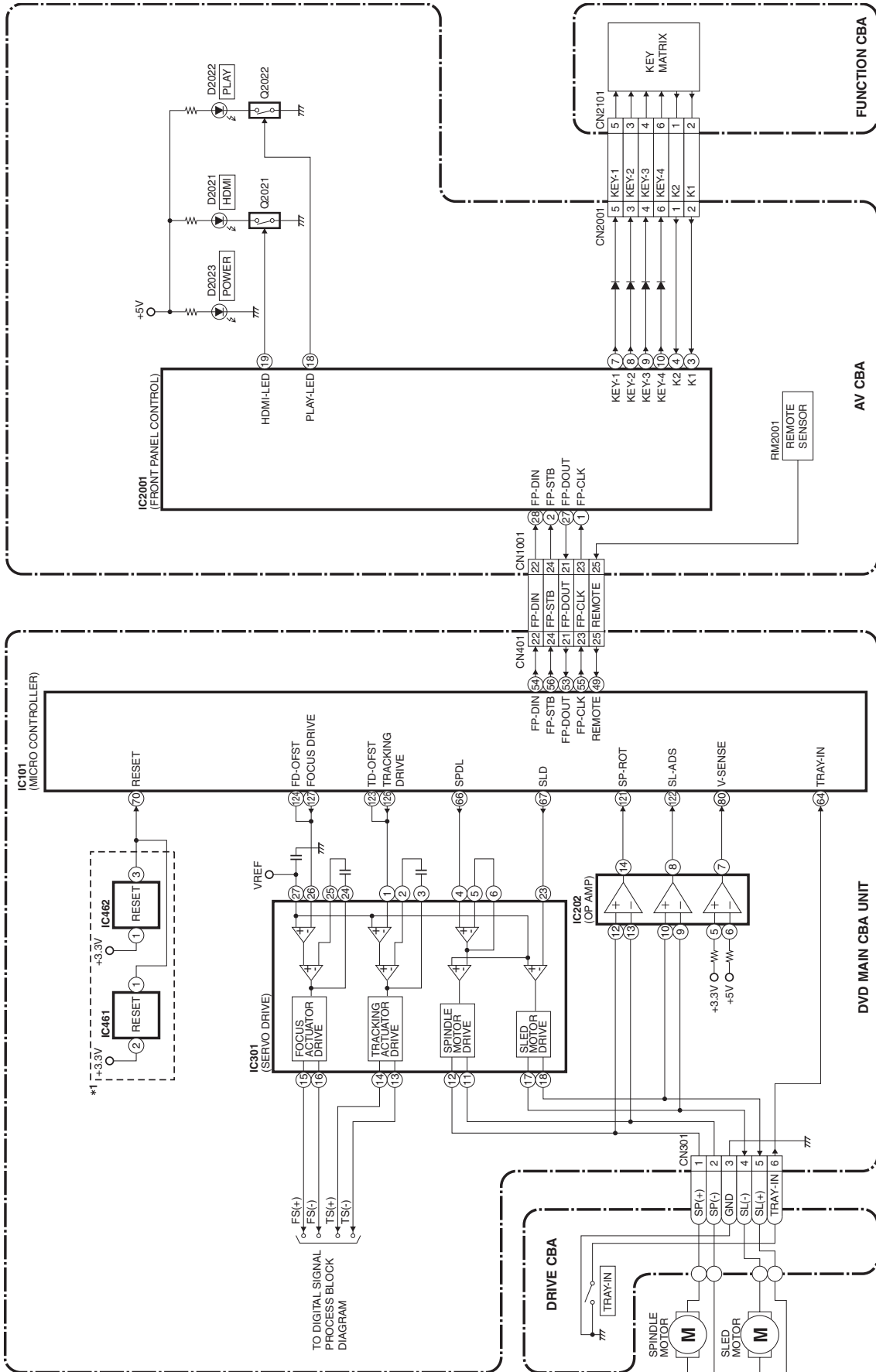
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# BLOCK DIAGRAMS

## System Control / Servo Block Diagram

\*1 NOTE:  
Either IC461 or IC462 is used for DVD MAIN CBA UNIT.



# SCHEMATIC DIAGRAMS / CBA'S AND TEST POINTS

## Standard Notes

### WARNING

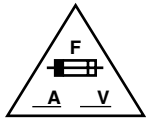
Many electrical and mechanical parts in this chassis have special characteristics. These characteristics often pass unnoticed and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts that have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the mark "▲" in the schematic diagram and the parts list. Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts that do not have the same safety characteristics as specified in the parts list may create shock, fire, or other hazards.

### Notes:

1. Do not use the part number shown on these drawings for ordering. The correct part number is shown in the parts list, and may be slightly different or amended since these drawings were prepared.
2. All resistance values are indicated in ohms (K =  $10^3$ , M =  $10^6$ ).
3. Resistor wattages are 1/4W or 1/6W unless otherwise specified.
4. All capacitance values are indicated in  $\mu\text{F}$  (P =  $10^{-6}$   $\mu\text{F}$ ).
5. All voltages are DC voltages unless otherwise specified.

# LIST OF CAUTION, NOTES, AND SYMBOLS USED IN THE SCHEMATIC DIAGRAMS ON THE FOLLOWING PAGES:

## 1. CAUTION:



FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE.  
 ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES D'INCELE N'UTILISER QUE DES FUSIBLE DE MÊME TYPE.  
 RISK OF FIRE-REPLACE FUSE AS MARKED.



This symbol means fast operating fuse.  
 Ce symbole représente un fusible à fusion rapide.

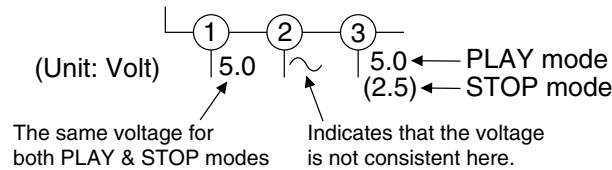
## 2. CAUTION:

Fixed Voltage (or Auto voltage selectable) power supply circuit is used in this unit.  
 If Main Fuse (F1001) is blown, first check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.

## 3. Note:

- Do not use the part number shown on the drawings for ordering. The correct part number is shown in the parts list, and may be slightly different or amended since the drawings were prepared.
- To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list section of the service manual.

## 4. Voltage indications for PLAY and STOP mode on the schematics are as shown below:

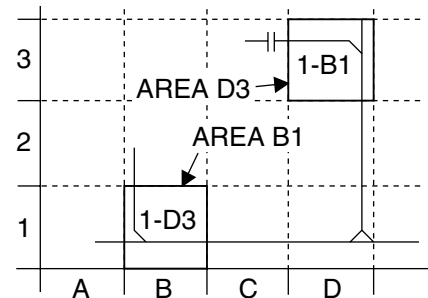


## 5. How to read converged lines

1-D3  
 ↑ Distinction Area  
 ↑ Line Number  
 (1 to 3 digits)

Examples:

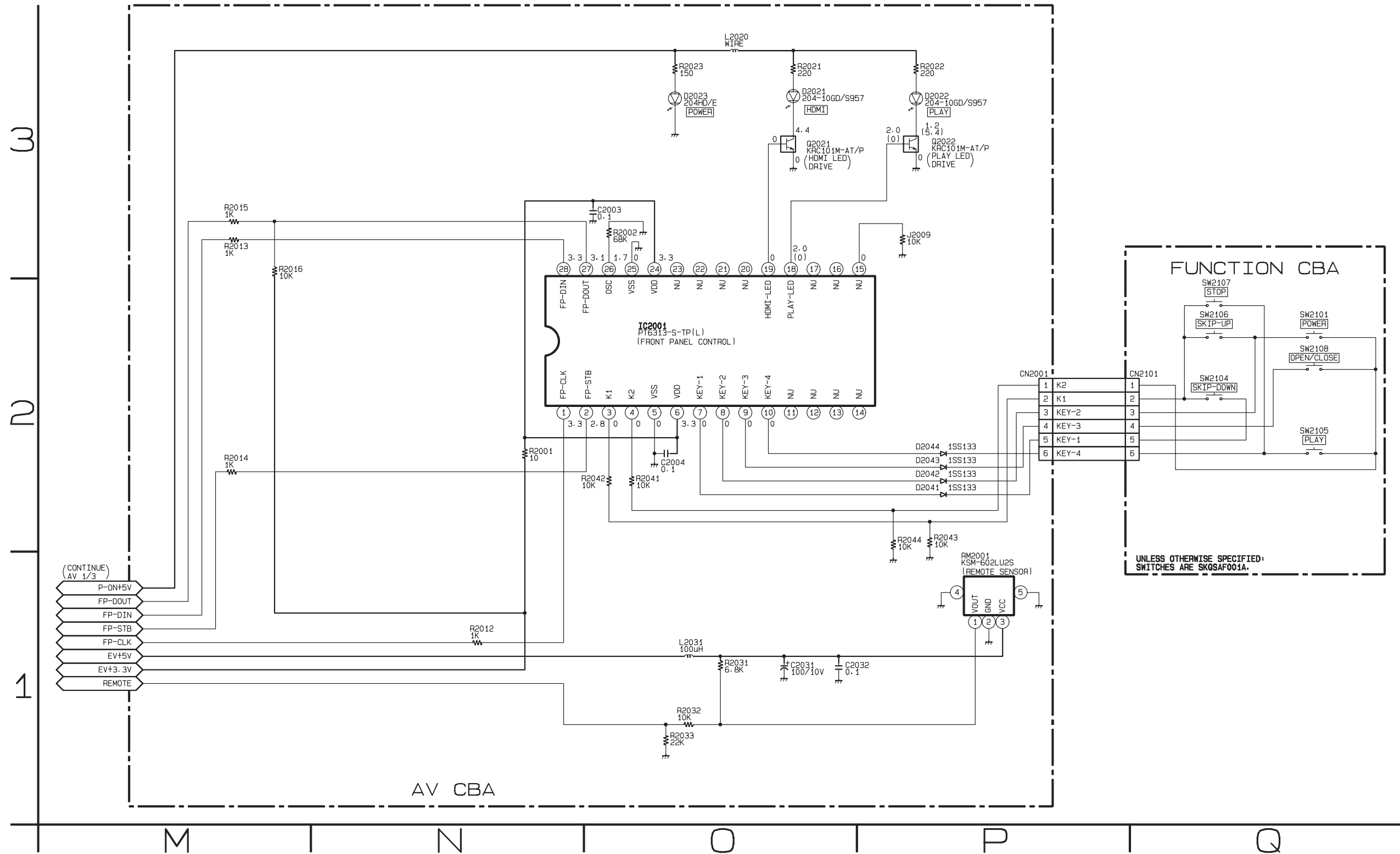
- "1-D3" means that line number "1" goes to the line number "1" of the area "D3".
- "1-B1" means that line number "1" goes to the line number "1" of the area "B1".



## 6. Test Point Information

- : Indicates a test point with a jumper wire across a hole in the PCB.
- : Used to indicate a test point with a component lead on foil side.
- : Used to indicate a test point with no test pin.
- : Used to indicate a test point with a test pin.

# AV 3/3 & Function Schematic Diagram




## Different parts from the original model (DP170MS8)

Ref. No.	Description	Part No.
<b>MECHANICAL PARTS</b>		
A1X	FRONT ASSEMBLY E6E73UD	1VM223556
A21	MODEL NO.LABEL(U) E6E73UD	-----
A23	Not used	
S1	GIFT BOX CARTON E6E73UD	1VM324599
X1	REMOTE CONTROL UNIT NA475UD	NA475UD
X9	Not used	
X10▲	OWNERS MANUAL E6E73UD	1VMN24055
<b>ELECTRICAL PARTS</b>		
	DVD MAIN CBA UNIT	N7CFUKUP
	AV ASSEMBLY	1VSA15807
	AV CBA	-----
C1018	Not used	
C1021	Not used	
C1049	Not used	
C2001	Not used	
C2002	Not used	
D1003	Not used	
D1016	Not used	
D1017	Not used	
D1055	Not used	
D2021	LED(GREEN) 204-10GD/S957	NPQZ10GDS957
D2022	LED(GREEN) 204-10GD/S957	NPQZ10GDS957
D2023	LED(RED) 204HD/E	NPQZ00204HDE
L2020	PCB JUMPER D0.6-P5.0	JW5.0T
Q1005	Not used	
Q1015	Not used	
Q2021	NPN TRANSISTOR KRC101M-AT/P	NQSZKRC101MP
Q2022	NPN TRANSISTOR KRC101M-AT/P	NQSZKRC101MP
R1002	Not used	
R1061	Not used	
R1062	Not used	
R1078	Not used	
R1079	Not used	
R1083	Not used	
R1084	Not used	
R1085	Not used	
R2021	CARBON RES. 1/6W J 220 Ω	RCX6JATZ0221
R2022	CARBON RES. 1/6W J 220 Ω	RCX6JATZ0221
R2023	CARBON RES. 1/6W J 150 Ω	RCX6JATZ0151
FL2001	Not used	
J2009	CARBON RES. 1/4W J 10k Ω	RCX4JATZ0103

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