CLUSTER BUSTER CONTROL
PANEL SET UP

CLUSTER BUSTER REQUIRES 2 ACTION BUTTONS AND REQUIRES 8 WAY JOYSTICK ACTION.

DATA EAST HAS SUPPLIED YOU WITH THE APPROPRIATE HARDWARE TO MEET CLUSTER BUSTERS

CONTROL PANEL SPECIFICATIONS. THE CONTROL PANEL KIT INCLUDES THE FOLLOWING:

A DATA EAST 2 BUTTON CONTROL PANEL OVERLAY

A BLUE ACTION BUTTON

AN 8 WAY LEVER-GUIDE FOR THE SANWA JOYSTICK

SCREWS FOR THE CONTROL PANEL OVERLAY (PRE-1US5 PRODUCTION)

PLASTIC SNAPS FOR THE CONTROL PANEL OVERLAY (1US5 PRODUCTION)

AND ACTION SWITCH DECALS

INSTALLATION PROCEEDURES

1) REMOVE THE CONTROL PANEL (two wing nuts are used to fasten the panel down)

2) REMOVE THE JOYSTICK KNOB

3) REMOVE THE CONTROL PANEL OVERLAY FROM THE CONTROL PANEL. SINCE TWO TYPES OF CONTROL PANELS HAVE BEEN PRODUCED, YOU MAY EITHER HAVE TO REMOVE SCREWS OR PLASTIC FASTENERS TO REPLACE THE CONTROL PANEL OVERLAY.

4) INSTALL THE TWO BUTTON CONTROL PANEL OVERLAY. WE HAVE SUPPLIED YOU WITH REPLACEMENT SCREWS AND FASTENERS IN THE EVENT THE ORIGIONAL ONES ARE DAMAGED

5) INSTALL THE 8 WAY LEVER GUIDE.

6) RE INSTALL THE JOYSTICK KNOB

7) INSTALL THE BLUE BUTTON IN THE SPACE PROVIDED ON YOUR CONTROL PANEL.

8) SOLDER THE PURPLE WIRE, LOCATED BY THE NEWLY INSTALLED BUTTON, TO THE TERMINAL MARKED "NO" ON THE BLUE BUTTON. (see figure A)

9) SOLDER A JUMPER WIRE FROM THE BLACK WIRE GOING TO THE RED ACTION BUTTON, TO THE TERMINAL MARKED "COM" ON THE BLUE BUTTON. (see figure A)

10) RE INSTALL THE CONTROL PANEL

11) ATTACH THE ACTION BUTTON DECALS. THE ANGLE DECAL IS FOR THE BLUE BUTTON, AND THE UP DECAL IS FOR THE RED BUTTON.

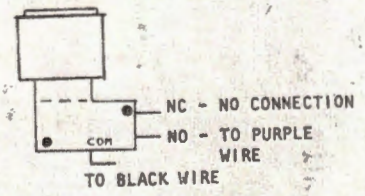


FIGURE A

SEE OTHER SIDE FOR HEADER GRAPHICS APPLICATION

DATA EAST INC.
470 GIANNI STREET
SANTA CLARA, CALIFORNIA 95050

CLUSTER BUSTER REQUIRES AN 8-WAY JOYSTICK

1. If you have a Data East produced machine, make sure it is set with an 8-way joystick.

   Bump'N'Jump is an 8-way game, however, BurgerTime is a 4-way game. You will need an 8-way restrictor to convert a Data East Produced BurgerTime - contact your distributor to acquire an 8-way restrictor.

2. If you have a converted machine and a Data East Multi Conversion Kit has been installed, make sure the joystick is an 8-way.

   If changing from Bump'N'Jump, which is an 8-way game, no joystick game is necessary.

   If changing from BurgerTime, you will need to install an 8-way joystick.

Sincerely yours,

Edrick Haggans

EDRICK HAGGANS,
Marketing Manager

EH/rdw

TELEPHONE:408-727-4490 TOLL FREE:800-538-5129 TELEX:172163

ATTENTION OPERATORS:

PROFIT NOTICE!

Selection of proper controls for your game is important.

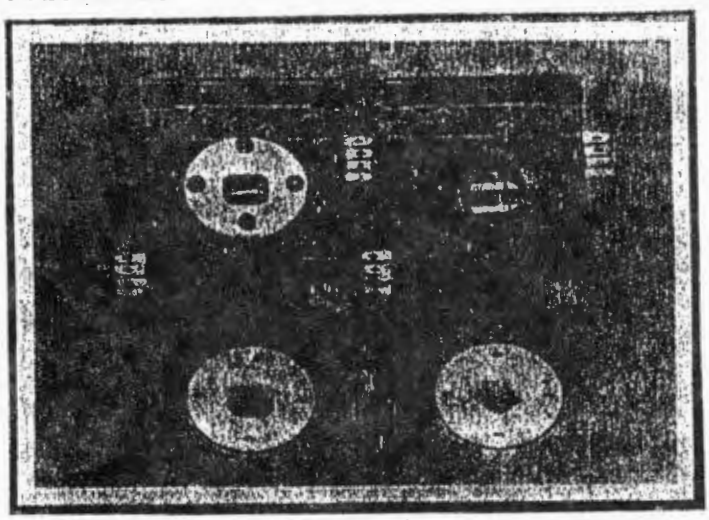
Data East's Deco Cassette System has utilized 3 basic styles of control levers. Each style may be configured for 4-WAY or 8-WAY operation.

Refer to the following chart to determine the type of control recommended for each game.

GAME	4-WAY	8-WAY	BLUE BUTTON
Bump 'N' Jump		X	NO
BurgerTime	X		NO
MISSION-X		X	NO
EXPLORER		X	NO
Lock 'N' Chase	X		NO
SUPER ASTROFIGHTER	X		NO
ASTROFANTASIA		X	NO
DISCO NO. 1	X		NO
PRO GOLF	X		NO
TERRANEAN	X		YES
NEBULA		X	NO
MANHATTAN	X		NO

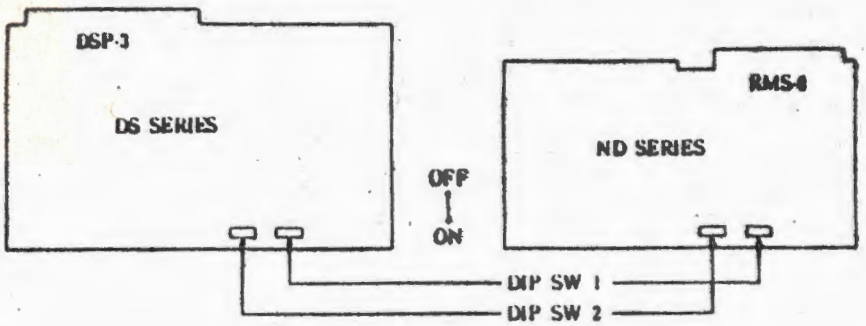
The picture below shows the placement of restrictors for the SANWA control which was used for all BurgerTime upright game cabinets. A simple restrictor change is all that is required to change from a 4-WAY to a 8-WAY lever or vice-versa. The only tool required for this change is a Phillips screwdriver.

Procedure: Remove the control panel to determine the type of control lever in your game. If it is a SANWA type, proceed as follows: Remove the two Phillips screws that hold the switch plate to the control thus exposing the restrictors.



The above picture illustrates the switch plate with and without a restrictor. The restrictor on the left is an 8-WAY restrictor and the one on the right is a 4-WAY.

NOTE: If you have any other type of control than the SANWA, please call our service department for instructions on the change.



DIP SWITCH 1-SYSTEM

Game Charge		1 coin 1 play	1 coin 2 plays	1 coin 3 plays	2 coins 1 play
SW 1	RIGHT HAND	OFF	ON	OFF	ON
SW 2	SELECTOR	OFF	OFF	ON	ON
SW 3	LEFT HAND	OFF	ON	OFF	ON
SW 4	SELECTOR	OFF	OFF	ON	ON
Special Purpose					
SW 5	MUST BE LEFT OFF	OFF			
SW 6		OFF			
Cocktail/Upright		CT	UP		
SW 7	CONTROL PANEL	OFF	ON		
SW 8	VIDEO SCREEN	OFF	ON		

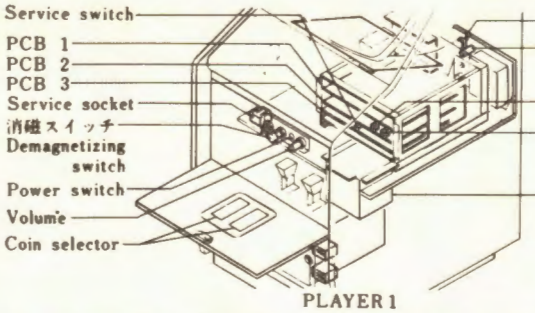
DIP SWITCH 2-GAME FEATURES

Number of Cars		3 cars	5 cars		
SW 1		OFF	ON		
Bonus Points		Each 30000	Each 70000	20000	30000
SW 2	POINTS REQUIRED	OFF	ON	OFF	ON
SW 3	FOR ONE BONUS CAR	OFF	OFF	ON	ON
GAME CONTINUATION FEATURE		NO	YES		
SW 4		OFF	ON		
DIFFICULTY		Easy	Difficult		
SW 5	OPPONENTS CARS' MOVEMENT	OFF	ON		

SPECIAL PURPOSE		A	B	C	D	E	F
SW 6		OFF	ON	OFF	ON	OFF	ON
SW 7	DON'T CHANGE:	OFF	OFF	ON	ON	OFF	OFF
SW 8		OFF	OFF	OFF	OFF	ON	ON

操作説明書 HOW TO INSTALL BurgerTime UP RIGHT ™

1. 操作部品の配置 PARTS LOCATION



月に1度位は、オーディオカセットデッキと同様に、ヘッドクリーニングをしてください。
Please clean the recording head of the deck once a month, just like you do with ordinary audio tape recorders.

2. ディップスイッチのセット要領 DIP SWITCH SETTINGS

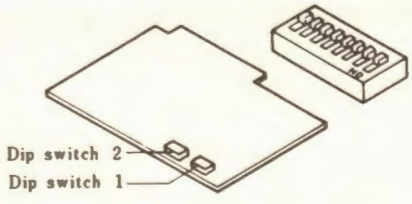
DIP SWITCH 1				
SETTING				
OFF	ON	OFF	ON	GAME CHARGE テーブル用 TABLE
OFF	OFF	ON	ON	
1COIN 1PLAY	1 2	1 3	2 1	アップライト UPRIGHT 右セレクタ用 (RH SELECTOR)
OFF	ON	OFF	ON	GAME CHARGE アップライト UPRIGHT 左セレクタ用 (LH SELECTOR)
OFF	OFF	ON	ON	
1COIN 1PLAY	1 2	1 3	2 1	
OFF	ON	OFF	ON	取扱禁止 DON'T CHANGE
OFF	OFF	ON	ON	
ON		OFF		コントロールパネル CONTROL PANEL
UPRIGHT		TABLE		
ON		OFF		画面設定 SCREEN
UPRIGHT		TABLE		

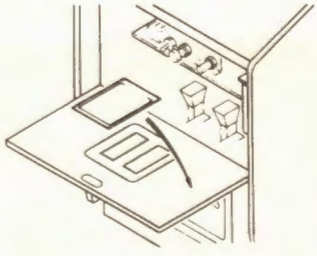
NO	
1 2	1
	2
	3
3 4	
	4
5 6	5
7	6
8	7
	8

DIP SWITCH 2						
SETTING						
OFF		ON				主人公の数 NUMBER OF CHEFS
3		5				
OFF	ON	OFF	ON			BONUS POINTS FOR EXTRA CHEF
OFF	OFF	ON	ON			
EVERY 10000	EVERY 15000	EVERY 20000	EVERY 30000			
OFF		ON				敵の数 NUMBER OF ENEMIES
易 EASY		難 DIFFICULT				
OFF		ON				PEPPER INCREASES WHEN A PATTERN IS CLEARED
NO		YES				
A	B	C	D	E	F	変更禁止 DON'T CHANGE
OFF	ON	OFF	ON	OFF	ON	
OFF	OFF	ON	ON	OFF	OFF	
OFF	OFF	OFF	OFF	ON	ON	

3. 本書の貼付位置

Pasting how to install paper





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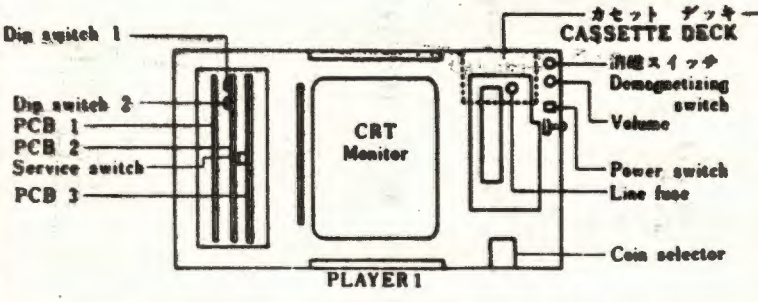
DATA EAST CORPORATION

CLUSTER BUSTER™

操作説明書

HOW TO INSTALL

1. 操作部品の配置 PARTS LOCATION



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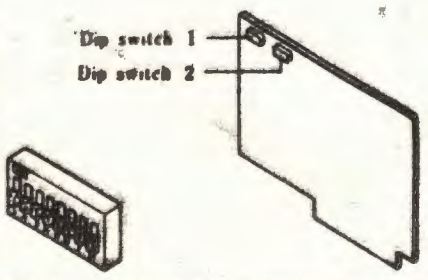
Please clean the recording head of the deck once a month, just like you do with ordinary audio tape recorders.

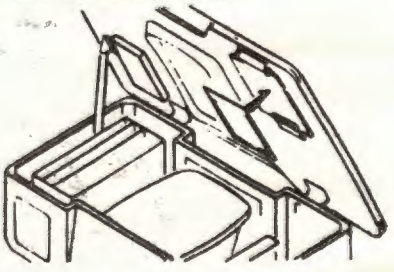
2. ディップスイッチのセット要領 DIP SWITCH SETTINGS

DIP SWITCH 1 SETTING					NO		DIP SWITCH 2 SETTING				
OFF	ON	OFF	ON	GAME CHARGE テーブル用 TABLE	1	1	OFF		ON		持ち数 NUMBER OF BOUNCER
OFF	OFF	ON	ON		2		3		5		
1COIN 1PLAY	1 2	1 3	2 1	アップライト UPRIGHT 右セレクタ用 (RH SELECTOR)		2	OFF	ON	OFF	ON	ボーナス点 持ち数1個追加 BONUS POINTS FOR EXTRA BOUNCER
OFF	ON	OFF	ON	GAME CHARGE アップライト UPRIGHT 左セレクタ用 (LH SELECTOR)	3	3	OFF	OFF	ON	ON	
OFF	OFF	ON	ON		4		20000	50000	70000	NO BONUS	
1COIN 1PLAY	1 2	1 3	2 1				—		—		
OFF	ON	OFF	ON	取扱禁止 DON'T CHANGE	5	4	OFF		ON		↑アップサインの数 NUMBER OF ↑ (UP SIGN)
OFF	OFF	ON	ON		6		少 FEW		多 MANY		
						5	OFF		ON		落下スピード FALLING SPEED
							易 EASY		難 DIFFICULT		
ON		OFF		コントロールパネル CONTROL PANEL	7			B			
UPRIGHT		TABLE				6		ON			
ON		OFF		画面設定 SCREEN	8	7		OFF			変更禁止 DON'T CHANGE
UPRIGHT		TABLE				8		OFF			

3. 本書の貼付位置

Pasting how to install paper





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