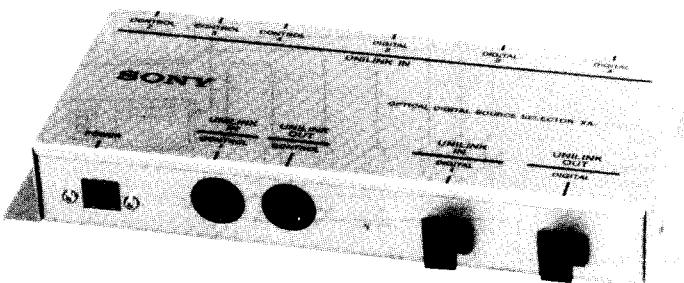


# XA-U40D

## SERVICE MANUAL

US Model  
AEP Model  
UK Model  
E Model



### SPECIFICATIONS

#### Power requirements

DC 12 V car battery (negative ground)

#### Mounting dimensions

Approx. 80 × 203 × 28 mm (w/h/d)  
(3 1/4 × 8 × 11/8 inches)

#### Weight

Approx. 0.4 kg (14 oz.)

#### Accessories supplied

Power connecting cord (1)  
UNILINK cable (2 m) (1)  
Optical cable (2 m) (1)  
Mounting screw (2)

#### Optional accessories

UNILINK cable RC-61 (1 m)  
UNILINK cable RC-62 (2 m)

Design and specifications subject to change without notice.

### Features

The XA-U40D is a digital source selector for connecting several CD changers which are compatible with the Sony digital UNILINK system to a car audio system which is also compatible with the Sony digital UNILINK system. Four CD changers can be connected per unit, and the maximum of ten CD changers can be connected by three XA-U40Ds.

#### Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

DIGITAL SOURCE SELECTOR  
**SONY**<sup>®</sup>

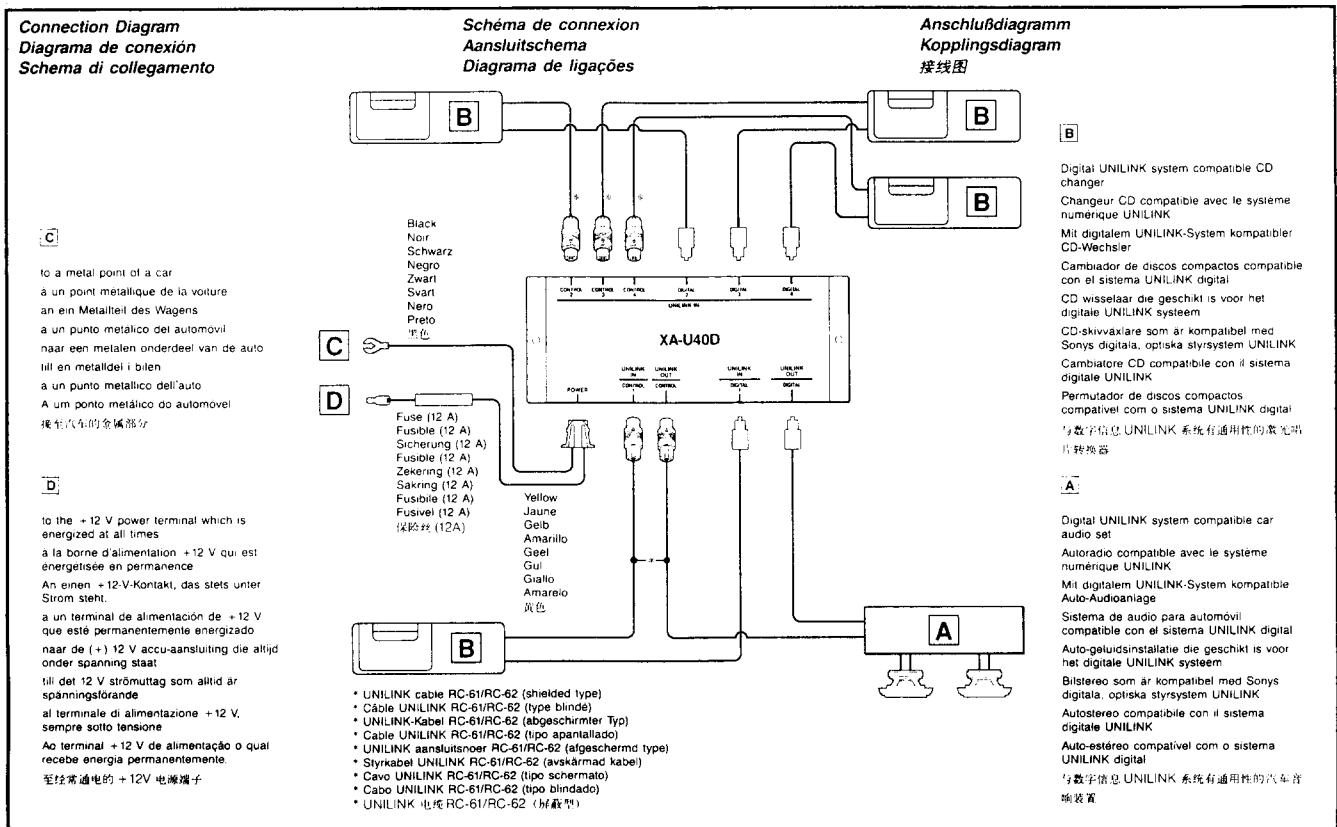


# SECTION 1

## GENERAL

This section is extracted from instruction manual.

### System Connections



#### Caution

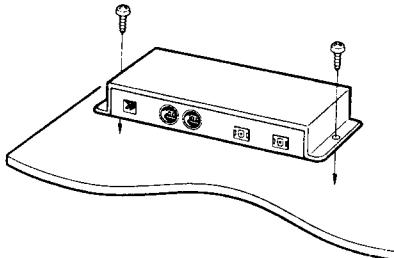
- Before making connections, disconnect the ground terminal of car battery to avoid short-circuiting.
- Connect the yellow power input cord only after all the other cords have been connected.
- Be sure to connect the ground wire of the unit securely to a metal point of the car. A loose connection may cause a malfunction of the unit.
- Do not force to bend the optical cable too much so that the bent part (arc) becomes less than 10 cm (4 inch) in diameter.

#### Note

If your car has an on board computer or navigation computer installed, their memories can be wiped out when the negative terminal of the car battery is disconnected. In such a case, make sure that all the connections except the yellow power input cord are completed before connecting the power input cord.

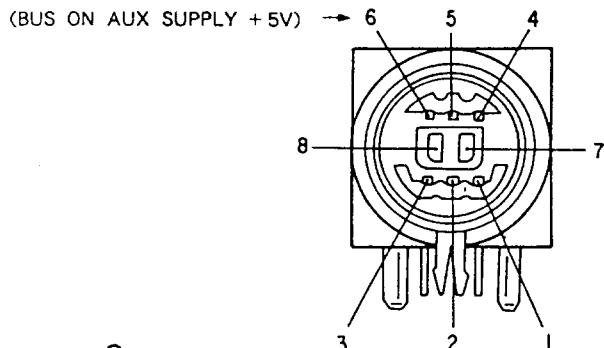
#### Mounting Example

Mounting with the supplied screws



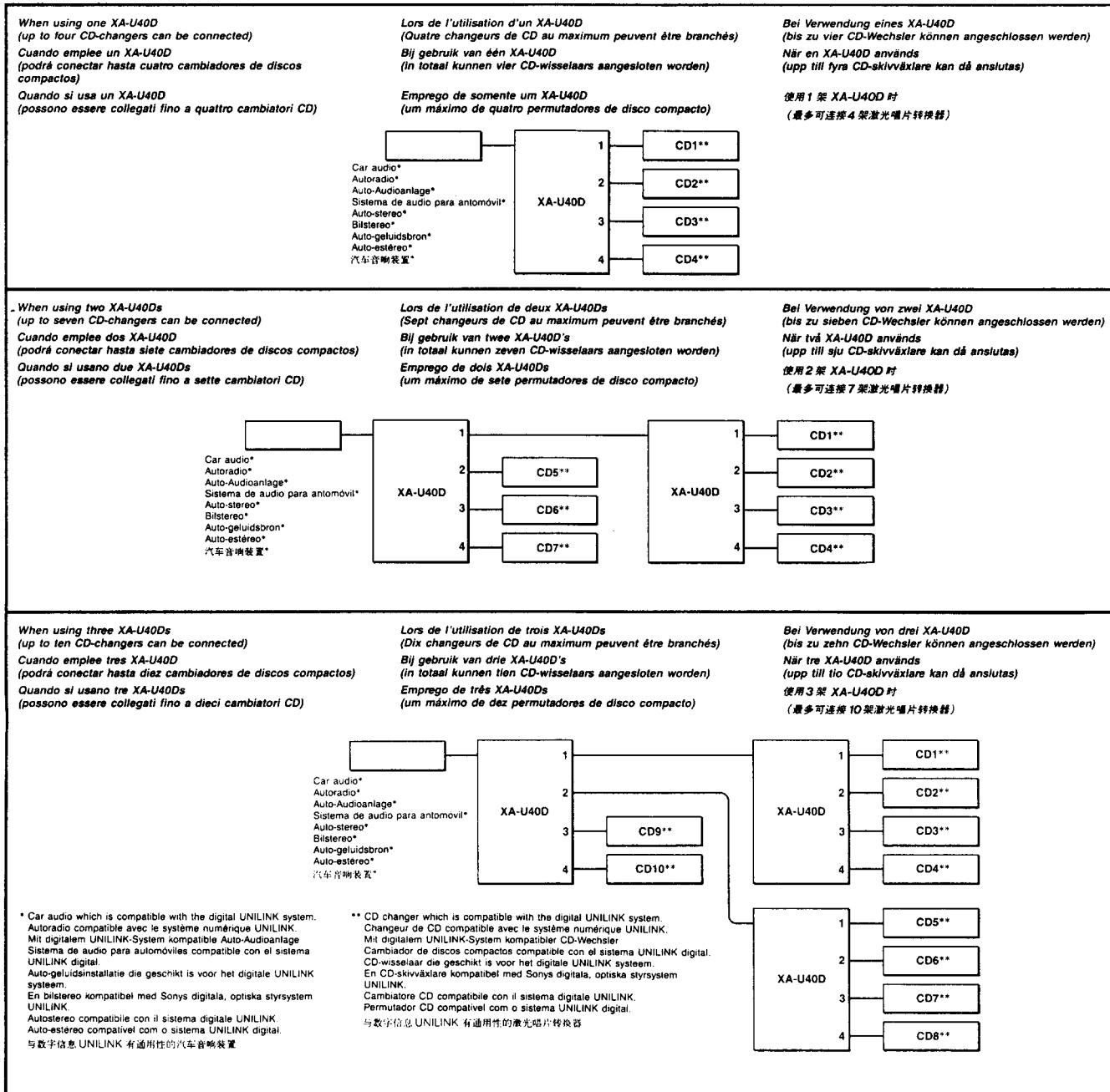
(BUS ON AUX SUPPLY +5V)

-2-



UNILINK  
OUT  
CONTROL

## Connections



### Notes

- \* Car audio which is compatible with the digital UNILINK system.
- Autoradio compatible avec le système numérique UNILINK.
- Mit digitalem UNILINK-System kompatibler Auto-Audioanlage
- Sistema de audio para automóviles compatible con el sistema UNILINK digital.
- Auto-geluidsinstallatie die geschikt is voor het digitale UNILINK systeem.
- En bilstereo kompatibel med Sonys digitala, optiska styrsystem UNILINK.
- Autostereo compatibile con il sistema digitale UNILINK.
- Auto-estéreo compatible con el sistema UNILINK digital.
- 与数字信息UNILINK 有通用性的汽车音响装置。

\*\* CD changer which is compatible with the digital UNILINK system.  
Changeur de CD compatible avec le système numérique UNILINK.  
Mit digitalem UNILINK-System kompatibler CD-Wechsler.  
Cambiador de discos compactos compatible con el sistema UNILINK digital.  
CD-wisselaar die geschikt is voor het digitale UNILINK systeem.  
En CD-skivväxlare kompatibel med Sonys digitala, optiska styrsystem UNILINK.  
Cambiatore CD compatibile con il sistema digitale UNILINK.  
Permutador CD compatible con el sistema UNILINK digital.  
与数字信息UNILINK 有通用性的激光唱片转换器。

## SECTION 2

### DIAGRAMS

#### 2-1. IC Description

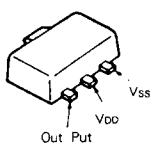
Microprocessor (IC : uPD75004GB-749-3B4) Port Function and I/O Level

Pin No.	Pin Name	I/O	Description
13	AUDIO 3	O	Audio signal select output for inputs (4ch and 2ch).
14	AUDIO 2	O	
15	AUDIO 1	O	
16	AUDIO 0	O	
17, 18	Vss	-	GND
20	RESET	I	Reset signal input.
21	X1	-	System clock. 4.19 MHz.
22	X2	-	
23	LINK 3	O	UNILINK communication enable signal output for inputs(4ch/2ch). L: Enable.
24	LINK 2	O	
25	LINK 1	O	
26	LINK 0	O	
28	REQ	O	UNILINK communication serial data request output.
29	SI	I	UNILINK communication serial data input.
30	SO	O	UNILINK communication serial data output.
31	SCLK	I	UNILINK communication serial clock.
32	BUS ON	I	UNILINK communication enable signal input. L: Enable.
36	MAIN BACKUP	I	BACKUP power supply failure detect input. H: Power failure.
37	BACK UP	I	GND
38, 39	Vcc	-	Power supply terminal.
42	MUTE	O	Open
43	POWER ON	O	Power-ON signal (Signal to enable)output. L: Enable.

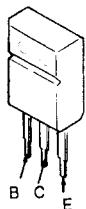
Note : Ports other than those described above are unused.

**2-4. SEMICONDUCTOR LEAD LAYOUTS**

**S8054 - HN - CB - S**

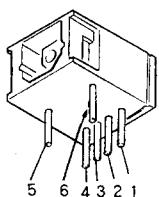


**2SD2137**

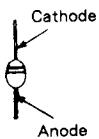


**TORX193**

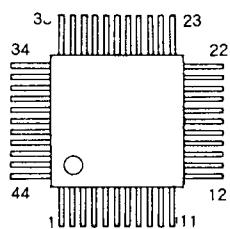
**TOTX193**



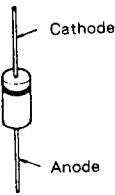
**DSA3A4**



**μPD75004GB - 749 - 3B4**



**HZ6C2L**



## OVERALL SECTION

