17" COLOUR DISPLAY UNIT CDU1764GE/GS02

Manufactured by **GOLDSTAR**, this monitor is identified as **DSM 50-172** on the front and rear of the case and in the Progetto di Gestione; the homologation label on the rear of the monitor bears the writing **CDU 1764GE/GS02**.

The characteristics, disassembly and adjustment procedures for this monitor are nearly the same as those explained in **Chapter 29** for the **CDU 1764GE/GS01 (DSM 28-172 EY)** display unit. The only difference is that the CDU 1764GE/GS02 offers the DDC feature which is made available through an EEPROM chip installed on the board which hosts the VGA signals connector. The Display Data Channel (DDC) feature is a data exchange procedure by which the monitor automatically sends its own characteristics to the Personal Computer (such as the supported video mode and the corresponding timings). This operation consists of the Personal Computer identifying a 128-byte file present in the monitor's EEPROM and containing all information on the monitor. The DDC feature uses several free VGA connector pins. The system will only be activated if both monitor and Personal Computer are equipped with this feature.

DDC VGA CONNECTOR

1	Red video input
2	Green video input
3	Blue video input
4	GND
5	Not connected
6	Red video ground
7	Green video ground
8	Blue video ground
9	Not present
10	Logic ground
11	Identify output (connected to GND)
12	SDA (Serial data)
13	Horizontal sync
14	Vertical sync (VCLK)
15	SCL (Serial clock)

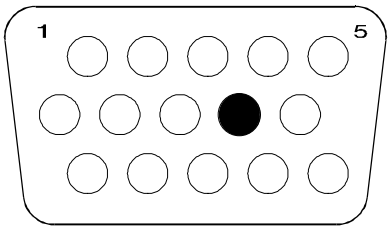

Fig. 37-1 DDC VGA Connector

REMOVING THE DDC BOARD

The disassembly procedures for the CDU 1764GE/GS02 (DSM 50-172) monitor are nearly the same as those for the CDU 1764GE/GS01 (DSM 28-172 EY) monitor explained in Chapter 29. The only difference is in the presence of the DDC board. To remove this board you need to unplug it from connector P306 on the video amplifier board.

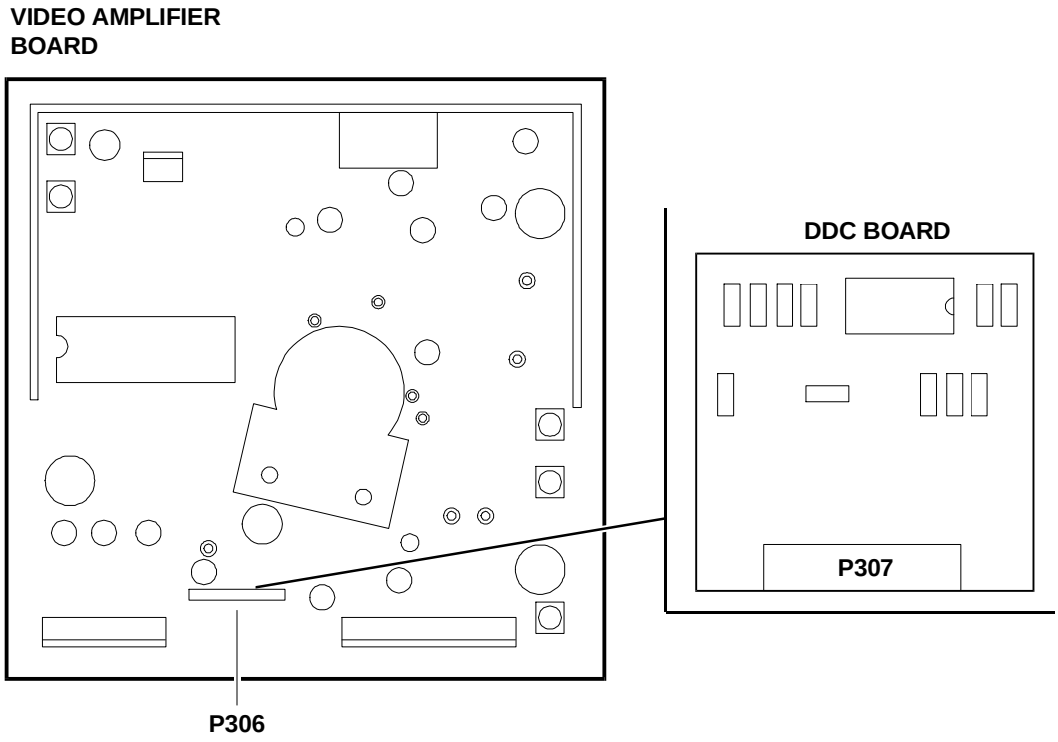

Fig. 37-2 Removing the DDC Board

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