

VESTEL
ELEKTRONIK A.S.

**TECHNICAL CHANGE BULLETIN
TEKNIK DEĞİŞİKLİK BÜLTENİ**

**CHANGE NO: 90
REF NO : UMB_873**

DATE :15.10.2001

AFFECTED MODELS: CHASSIS 11AK30 MODELS WITH MASK TYPE MICRO CONTROLLER.

NOTE : ON OTP IC IS WRITTEN : ST92T195D7B1

ON MASK IC IS WRITTEN SW-VERSION OF IC : A005, B022, D021, E019 etc...

START DATE : 15.10.2001

REASONS OF CHANGE: RESET PROBLEM

TV SWITCH ON IN 20-30 SECONDS, AFTER PRESSING REMOTE CONTROLLER BUTTONS OR FRONT PANEL BUTONS SUCCESSIVELY.

OUT

NO	PCB CODE	VESTEL CODE	COMPONENT NAME	POSITION NUMBER	QUANTITY
1	11AK30	30001369	DIODE ZENER 3.6V ZPD	D513	1
2	11AK30	30012579	CAP SMD 82PF 50V J (0603)	C521,C522	2
3	11AK30	30000345	CAP EL 10UF 50V M	C502	1
4					
5					

IN

NO	PCB CODE	VESTEL CODE	COMPONENT NAME	POSITION NUMBER	QUANTITY
1	11AK30	30001339	DIODE ZENER 3.9V	D513	1
2	11AK30	30012562	CAP SMD 15PF 50V J (0603)	C521,C522	2
3	11AK30	30000396	CAP EL 47UF 16V M	C502	1
4					
5					

APPLICATION
ENGINEER

APPLICATION ENGINEER
CHIEF

APPLICATION ENGINEER
MANAGER

VESTEL
ELEKTRONİK A.S.

TECHNICAL CHANGE BULLETIN
TEKNIK DEĞİŞİKLİK BÜLTENİ

CHANGE NO: 91
REF NO : UMB_821

DATE :15.10.2001

AFFECTED MODELS: CHASSIS 11AK30 ALL STEREO MODELS

START DATE : 15.10.2001

REASONS OF CHANGE: AUDIO(SOUND) OUTPUT LEVEL IS TO LOW. (FROM SPEAKERS)

OUT

NO	PCB CODE	VESTEL CODE	COMPONENT NAME	POSITION NUMBER	QUANTITY
1	11AK30	30012669	RES SMD 1/16W 22K J (0603)	R456	1
2					
3					
4					
5					

IN

NO	PCB CODE	VESTEL CODE	COMPONENT NAME	POSITION NUMBER	QUANTITY
1					
2					
3					
4					
5					

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TECHNICAL CHANGE BULLETIN
TEKNIK DEĞİŞİKLİK BÜLTENİ

CHANGE NO: 92
REF NO :

DATE :15.10.2001

AFFECTED MODELS: CHASSIS 11AK30 ALL MODELS

START DATE : 15.10.2001

REASONS OF CHANGE: PROBLEM TO CONTROL TV WITH REMOTE CONTROLLER.

REMOTE CONTROLLER DOESN'T OPERATE. IR-SIGNAL IS VISIBLE ON OSSCILOSCOP SCREEN, BUT REMOTE CONTROLLER STILL DOESN'T OPERATE.

OUT

NO	PCB CODE	VESTEL CODE	COMPONENT NAME	POSITION NUMBER	QUANTITY
1	11AK30	30012581	CAP SMD 1NF 50V K R (0603)	C509	1
2					
3					
4					
5					

IN

NO	PCB CODE	VESTEL CODE	COMPONENT NAME	POSITION NUMBER	QUANTITY
1					
2					
3					
4					
5					

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TECHNICAL CHANGE BULLETIN
TEKNIK DEĞİŞİKLİK BÜLTENİ

CHANGE NO: 93
REF NO : 580

DATE :15.10.2001

AFFECTED MODELS: CHASSIS 11AK30 170-270 VAC MODELS

START DATE : 15.10.2001

REASONS OF CHANGE: THERE IS A TWITCHING NOISE ON STAND-BY MODE.

NOTE : 180R RESISTOR WILL BE SOLDERED ON CATHODE OF D801 SERIAL AND INSERTED ON TO THE D801 POSITION.

NO	PCB CODE	VESTEL CODE	COMPONENT NAME	POSITION NUMBER	QUANTITY
1		30000718	RES CF 1/4W 4.7K J	R806	1
2		30012567	CAP SMD 220PF 50V J (0603)	C857	1
3		30001345	DIODE ZENER 6.8V	D801	1
4					
5					

IN

NO	PCB CODE	VESTEL CODE	COMPONENT NAME	POSITION NUMBER	QUANTITY
1		30007199	RES MF 1/4W 4.3K F	R806	1
2		30001345	DIODE ZENER 6.8V	D801	1
3		30000554	RES CF 1/4W 180R J	NOTE	1
4					
5					

APPLICATION
ENGINEER

APPLICATION ENGINEER
CHIEF

APPLICATION ENGINEER
MANAGER

VESTEL Service Bulletin

Model: All models with AK30 Chassis.	<u>Service Bulletin No:</u> 127	Priority ()S. All products. ()A. Items in Customer / Dealer stock / Service return goods. ()B. Customer stock / Units returned for Service. (X)C. Sold items returned for Service. ()D. Only Units returned to this bulletin. ()E. Others
SUBJECT : IMPROVEMENT ON AK30 CHASIS		DATE : JUL 11, 2002

<Objective>

Please modify if following symptom occurs

<Symptom>

While TV is switching on, there is no picture and audio.

<Cause>

The defect on the IC800.

<Countermeasures>

Apply that modification:

Replace;

R801: RES CF 1/4W 1K J → RES MF 1/4W 1K

R805: RES CF 1/4W 10R J → RES MF 1/4W 10R J

R834:=> NON CONNECT

<Spare Parts order>

VE- 30000847: RES MF 1/4W 1K

VE- 30000843: RES MF 1/4W 10R J

<Start Date of Modification on Production.>

12.07.2002

(Related Changing Form: 1126)

VESTEL

Service Bulletin

Model: All models with AK30 Chassis.	<u>Service Bulletin No:</u> 129	Priority ()S. All products. ()A. Items in Customer / Dealer stock / Service return goods. ()B. Customer stock / Units returned for Service. (X)C. Sold items returned for Service. ()D. Only Units returned to this bulletin. ()E. Others
SUBJECT : IMPROVEMENT ON AK30 CHASIS		DATE : DEC 21, 2002

<Objective>

Please modify if following symptom occurs

<Symptom>

While TV is switching on, there is no picture and audio.

<Cause>

The defect on the IC800.

<Countermeasures>

Apply that modification:

Replace;

R801: RES MF 1/4W 1K J → RES MF 1/4W 4.7K J

C857: CAP SMD 150PF 50V → CAP SMD 47PF 50V

<Spare Parts order>

VE- 30000982: RES MF 1/4W 4.7K

VE- 30012573: CAP SMD 47PF 50V

<Start Date of Modification on Production.>

22.12.2002

(Related Changing Form: 1897)

VESTEL

Service Bulletin

Model: 20" with AK30 Chassis.	<u>Service Bulletin No:</u> 132	Priority ()S. All products. ()A. Items in Customer / Dealer stock / Service return goods. ()B. Customer stock / Units returned for Service. (X)C. Sold items returned for Service. ()D. Only Units returned to this bulletin. ()E. Others
SUBJECT : IMPROVEMENT ON AK30 CHASIS		DATE : NOV 11, 2002

<Objective>

Please modify if following symptom occurs

<Symptom>

For 20" SAMSUNG CRT, While TV is switching on, there is no picture and audio.

<Cause>

The defect on the Q602 AND IC900.

<Countermeasures>

Apply that modification:

Replace;

R658: RES MO 2W 39R J → RES MO 2W 10R J

R624: RES MO 2W 39R J → RES MO 2W 22R J

C618: CAP MKP 9.1NF 1600V %3.5 → CAP MKP 11NF 2000V %3.5

R648: RES FUSE 1W 1.2R J → RES FUSE 1W 0.47R J

FIXED COIL ON THE END HOR. DEFLECTION CABLE: FIXED COIL 40UH (Loss Coil) → FIXED COIL 100UH(LOSS COIL)

CONNECT A "CABLE ASSY1/25 AK19 EMC" BETWEEN PL907 AND THE SCREW ON THE NECK OF CRT.

<Spare Parts order>

VE-30001077: RES MO 2W 10R J

VE-30001120: RES MO 2W 22R J

VE-30000134: CAP MKP 11NF 2000V %3.5

VE-30001246: RES FUSE 1W 0.47R J

VE-30002008: FIXED COIL 100UH(LOSS COIL)

VE-30002876: CABLE ASSY1/25 AK19 EMC

<Start Date of Modification on Production.>

29.11.2002

(Related Changing Form: 1801)

VESTEL Service Bulletin

Model: 21" with AK30 Chassis.	<u>Service Bulletin No:</u> 133	Priority ()S. All products. ()A. Items in Customer / Dealer stock / Service return goods. ()B. Customer stock / Units returned for Service. (X)C. Sold items returned for Service. ()D. Only Units returned to this bulletin. ()E. Others
SUBJECT : IMPROVEMENT ON AK30 CHASIS		DATE : OCT 31, 2002

<Objective>

Please modify if following symptom occurs

<Symptom>

For 21" SEB-HITACHI CRT, While TV is switching on, there is no picture and audio.

<Cause>

The defect on the Q602 AND IC900.

<Countermeasures>

Apply that modification:

Replace;

CONNECT A "CABLE ASSY1/25 AK19 EMC" BETWEEN PL907 AND THE SCREW ON THE NECK OF CRT.

<Spare Parts order>

VE-30002876: CABLE ASSY1/25 AK19 EMC

<Start Date of Modification on Production.>

31.10.2002

(Related Changing Form: 1660)

VESTEL

Service Bulletin

Model:

20" with AK30 Chassis.

Service**Bulletin No: 156****Priority**

- S. All products.
- A. Items in Customer / Dealer stock / Service return goods.
- B. Customer stock / Units returned for Service.
- C. Sold items returned for Service.
- D. Only Units returned to this bulletin.
- E. Others

SUBJECT : IMPROVEMENT ON AK30 CHASIS**DATE : MARCH 11, 2003****<Objective>**

Please modify if following symptom occurs

<Symptom>

For 20" LGPHILIPS A48EAK02x101, While TV is switching on, there is no picture and audio.

<Cause>

The defect on the Q602 AND IC900.

<Countermeasures>

Apply that modification:

Replace;

R658: RES MO 2W 39R J → RES MO 2W 22R J

R624: RES MO 2W 39R J → RES MO 2W 33R J

C612: CAP EL 10UF 63V 105C → CAP EL 22UF 50V 105

<Spare Parts order>

VE-30001120: RES MO 2W 22R J

VE-30001146: RES MO 2W 33R J

VE-30024336: CAP EL 22UF 50V 105

<Start Date of Modification on Production.>**11.03.2003**

(Related Changing Form: 383)

VESTEL Service Bulletin

Model: All models with AK30 Chassis.	<u>Service</u> <u>Bulletin No:</u> 142	Priority ()S. All product. ()A. Items in Customer / Dealer stock / Service return goods. ()B. Customer stock / Units returned for Service. (X)C. Sold items returned for Service. ()D. Only Units returned to this bulletin. ()E. Others
SUBJECT : Improvement the noise at sy-by mode		DATE : Oct 30, 2002

<Objective>

Please modify if following symptom occurs

<Symptom>

While TV is in st-by mode, some noise is available around SMPS region.

<Cause>

The maximum of the primer current is little high while switching to SMPS in st-by mode.

<Countermeasures>

Apply that modification:

Replace,

R806: RES MO 1/4W 4.3K F ==> RES MO 1/4W 4.7K J

<Spare Parts order>

VE-30000982: RES MF 1/4W 4.7K J

<Start Date of Modification on Production.>

25.12.2002

(Related Changing Form: 1811)

VESTEL Service Bulletin

Model: All models with AK30 Chassis.	<u>Service</u> <u>Bulletin No:</u> 147	Priority ()S. All products. ()A. Items in Customer / Dealer stock / Service return goods. ()B. Customer stock / Units returned for Service. (X)C. Sold items returned for Service. ()D. Only Units returned to this bulletin. ()E. Others
SUBJECT : St-by led is blinking while switching to st-by off.		DATE : Nov 01, 2002

<Objective>

Please modify if following symptom occurs

<Symptom>

While TV is switching to st-by off, the st-by led is blinking in a short time.

<Cause>

The negative peaks between the anode and cathode of the Thyristor.

<Countermeasures>

Apply that modification:

Connect a CAP EL 1UF 160V M between the cathode of D802 and ground. The (+) point of capacitor must be connected to the cathode of D802 and (-) point of capacitor must be connected to ground.

<Spare Parts order>

VE-30000365 : CAP EL 1UF 160V M

<Start Date of Modification on Production.>

01.11.2002

(Related Changing Form: 1677)