

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.Ş.	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					

APPLICATION ENGINEER	APPLICATION ENGINEER CHIEF	APPLICATION ENGINEER MANAGER
-------------------------	-------------------------------	---------------------------------

VESTEL
ELEKTRONİK A.Ş.

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					

APPLICATION
ENGINEER

APPLICATION ENGINEER
CHIEF

APPLICATION ENGINEER
MANAGER

VESTEL
ELEKTRONİK A.Ş.

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

<h1>VESTEL Service Bulletin</h1>		
Model: All models with AK30 Chassis.	<u>Service Bulletin No:</u> 127	Priority <input type="checkbox"/> S. All products. <input type="checkbox"/> A. Items in Customer / Dealer stock / Service return goods. <input type="checkbox"/> B. Customer stock / Units returned for Service. <input checked="" type="checkbox"/> C. Sold items returned for Service. <input type="checkbox"/> D. Only Units returned to this bulletin. <input type="checkbox"/> 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)

<h1>VESTEL Service Bulletin</h1>		
Model: All models with AK30 Chassis.	<u>Service Bulletin No:</u> 129	Priority <input type="checkbox"/> S. All products. <input type="checkbox"/> A. Items in Customer / Dealer stock / Service return goods. <input type="checkbox"/> B. Customer stock / Units returned for Service. <input checked="" type="checkbox"/> C. Sold items returned for Service. <input type="checkbox"/> D. Only Units returned to this bulletin. <input type="checkbox"/> 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)

<h1>VESTEL Service Bulletin</h1>		
Model: 20" with AK30 Chassis.	<u>Service Bulletin No:</u> 132	Priority <input type="checkbox"/> S. All products. <input type="checkbox"/> A. Items in Customer / Dealer stock / Service return goods. <input type="checkbox"/> B. Customer stock / Units returned for Service. <input checked="" type="checkbox"/> C. Sold items returned for Service. <input type="checkbox"/> D. Only Units returned to this bulletin. <input type="checkbox"/> 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)

<h1>VESTEL Service Bulletin</h1>		
Model: 21" with AK30 Chassis.	<u>Service Bulletin No:</u> 133	Priority <input type="checkbox"/> S. All products. <input type="checkbox"/> A. Items in Customer / Dealer stock / Service return goods. <input type="checkbox"/> B. Customer stock / Units returned for Service. <input checked="" type="checkbox"/> C. Sold items returned for Service. <input type="checkbox"/> D. Only Units returned to this bulletin. <input type="checkbox"/> 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)

<h1>VESTEL Service Bulletin</h1>		
Model: 20" with AK30 Chassis.	<u>Service Bulletin No:</u> 156	Priority <input type="checkbox"/> S. All products. <input type="checkbox"/> A. Items in Customer / Dealer stock / Service return goods. <input type="checkbox"/> B. Customer stock / Units returned for Service. <input checked="" type="checkbox"/> C. Sold items returned for Service. <input type="checkbox"/> D. Only Units returned to this bulletin. <input type="checkbox"/> 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)

<h1>VESTEL Service Bulletin</h1>		
Model: All models with AK30 Chassis.	<u>Service 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)

<h1>VESTEL Service Bulletin</h1>		
Model: All models with AK30 Chassis.	<u>Service Bulletin No:</u> 147	Priority <input type="checkbox"/> S. All products. <input type="checkbox"/> A. Items in Customer / Dealer stock / Service return goods. <input type="checkbox"/> B. Customer stock / Units returned for Service. <input checked="" type="checkbox"/> C. Sold items returned for Service. <input type="checkbox"/> D. Only Units returned to this bulletin. <input type="checkbox"/> 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)