marantz®	Date:	**9-Feb-98**	Model:	**CR2020**
	Page:	**1/1**	REF.NBR:	**MZ98-004**
SERVICE BULLETIN	Subject:			
		RDS text indication fault.		
Circulation:	Application:			

x for information
  customer complaint
  in case of service
  mandatory
  ....
	MZ00xxxx01xxxx
	|
	MZ00xxxx08xxxx			

	Int.ref:			

[PHENOMENON]

Extended alphabet characters for Latin language, German or other European language are not possible to show on the FL display.

(No alphabet characters comes out on the FL display even RDS broadcasts those characters.)

[REASON]

Extended alphabet characters are not existed in the program of the microprocessor(QU01).

[CONTENT]

Replace the old microprocessor (HU281JT0**0**F) to the new one (HU281JT0**2**F or higher).

The new microprocessor shows converted common alphabet characters instead of extended alphabet characters. (see examples bellow)

á,à,â,ä,ã,å,æ,Á,À,Â,Ä,Ã,Å,Æ	⇒	A
é,è,ê,ë,É,È,Ê,Ë	⇒	E
í,ì,î,ï,Í,Ì,Î,Ï,¡	⇒	I
ó,ò,ô,ö,õ,Ó,Ò,Ô,Ö,Õ	⇒	O
ú,ù,û,ü,Ú,Ù,Û,Ü	⇒	U
ñ,Ñ	⇒	N
ç,Ç	⇒	C
ß,š	⇒	S
ý,Ý	⇒	Y
ø,Ø	⇒	Φ

[REMARK]

This improvement has done in the production line after the LOT number **"09"** and later. Also the service modification code has updated to **"MZ02"**. The lot number and the service modification code are mentioned in the serial number label on the rear panel.

(ex. **MZ02** xxxx**09**xxxx)

[REMARK for Europe, Africa, Middle East and South America]

Service code number of the microprocessor (4822 209 *****) at PCS has not changed by this modification. Latest version microprocessor (HU281JT02F) is available by same service code number.

Approved by   Written by