

REVISION HISTORY

Refer to the DCA and associated markups for a complete description of the changes incorporated in a revision.

REV	DCA	DATE	DRAWN	CHECKED	APPROVED	PUBLISHED
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DOCUMENT TITLE
**INFORMATION BULLETIN, CIB
311-000 U14 Programmed ISD Chip
Options and Explanation**

SIZE A	LRU 311-000	DOCUMENT NUMBER 311-000 609-0000	REV A
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Typed signatures indicate approval. Handwritten signature approval of this document is on file at Wulfsberg Electronics, Prescott, Arizona.

SCALE: NONE DO NOT SCALE DRAWING

INFORMATION BULLETIN

EQUIPMENT: 311-000

DATE: 4-23-13

NOTIFICATION NUMBER: CIB 311-000 609-0000

REVISION: A

1. Planning Information

1.1 Compliance

As required

1.2 Description

This document contains the explanation and description of the current design of the 311-51-002 PCB U14 programmed ISD chip accepting either the 32 second or 60 second version of the ISD25XX series of voice recorder ICs. This design was changed from the previous 32 second ISD2532S voice recorder chip to be able to accept the 60 second device as an alternate to the 32 second device because the ISD25XXS series of voice recorder ICs is now obsolete.

1.3 Applicability

Affects Part Number 311-000 identified with Serial Number 030813 and above. Units with Serial Number above 030713 met compliance at the time of manufacturing.

1.4 Reason

Since a small quantity of both of these ICs exist, it is desirable to be able to use either version of this IC in the same 311-51-002 PCB Assembly design.

In order to implement the change within the assembly instructions while minimizing confusion, it was helpful to change the part number of the 32 second programmed device and to add a new part number for the 60 second programmed device. The 32 second programmed device has no changes to its programming or configuration, only its part number has changed.

1.5 Approval

N/A

1.5 Recommendation

A new programming procedure (number 311-109V4) has been created, allowing for programming of the 32 second or 60 second device. The Model 311-000 and 311-001 assembly drawings for subassembly 311-51-002 have been revised to allow the 32 second or 60 programmed devices to be used.

The new part number for the 32 second programmed device is 311-109V4-1.
The new part number for the 60 second programmed device is 311-109V4-2.

Model 311-000 and 311-001 units manufactured prior to this change have programmed device part number 311-109V1A installed using the 32 second device.

This information bulletin describes the configuration for the original programmed 32 second device part number prior to this change, configuration of the new part number of the 32 second programmed device and configuration of the newly added 60 second programmed device part number.

The following table depicts the original part number of the programmed 32 second voice storage device IC prior to the change, its programming procedure, program file disk and identification label part number for component locator U14 on the 311-51-002 PCB Assembly. The 311-51-002 has a program shunt that connects the proper address line for the 32 second programmed device to operate correctly. The table below also describes the proper position for the shunt.

Model 311-000 and 311-001 units manufactured prior to this change have programmed device part number 311-109V1A installed using the 32 second device. If a 311-109V1A U14 device fails and needs to be replaced, it should be replaced by the new programmed device part number 311-109V4-1.

Table 1 - 311-109V1A CONFIGURATION TABLE

U14 DESCRIPTION	VOICE STORAGE DEVICE
U14 PROGRAMMING PROCEDURE	311-109V1A
U14 SETUP DISK	311-109V1A
U14 SETUP PATH AND FILE NAME	A:\311-109V1A.CHP
U14 LABEL TEXT	COBHAM 311-109V1A
U14 PART NUMBER	ISD2532S (34-52-532)
311-51-002 JP31 Program header shunt	Installed
311-51-002 JP32 Program header shunt	Not Installed

The following table depicts the configuration of the new part number for the programmed 32 second voice storage device IC, its programming procedure, program file disk and identification label part number for component locator U14 on the 311-51-002 PCB Assembly. The 311-51-002 has a program shunt that connects the proper address line for the 32 second programmed device to operate correctly. The table below also describes the proper position for the shunt when using the 32 second device.

Table 2 - 311-109V4-1 CONFIGURATION TABLE

U14 DESCRIPTION	VOICE STORAGE DEVICE
U14 PROGRAMMING PROCEDURE	311-109V4
U14 SETUP DISK	311-109V4-1
U14 SETUP PATH AND FILE NAME	A:\311-109V41.CHP
U14 LABEL TEXT	COBHAM 311-109V4-1
U14 PART NUMBER	ISD2532S (34-52-532)
311-51-002 JP31 Program header shunt	Installed
311-51-002 JP32 Program header shunt	Not Installed

The following table depicts the configuration of the new part number for the alternate programmed 60 second voice storage device IC, its programming procedure, program file disk and identification label part number for component locator U14 on the 311-51-002 PCB Assembly. The 311-51-002 has a program shunt that connects the proper address line for the 60 second programmed device to operate correctly. The table below also describes the proper position for the shunt when using the 60 second device.

Table 3 - 311-109V4-2 CONFIGURATION TABLE

U14 DESCRIPTION	VOICE STORAGE DEVICE
U14 PROGRAMMING PROCEDURE	311-109V4
U14 SETUP DISK	311-109V4-2
U14 SETUP PATH AND FILE NAME	A:\311-109V42.CHP
U14 LABEL TEXT	COBHAM 311-109V4-2
U14 PART NUMBER	ISD2560 (34-52-560)
311-51-002 JP31 Program header shunt	Not Installed
311-51-002 JP32 Program header shunt	Installed