MOTOROLA

Flashing Adapter
HLN9742

HLN9742A
FLASHING KIT

ON OFF

Professional Radio

Accessories

GENERAL INFORMATION

The HLN9742 Flashing Adapter is a DB25 male/female connector with an on/off switch, that permits flashing of the portable and mobile Professional Radios. The adapter's on/off switch, in the ON position, grounds the boot control line and allows flashing of the radio. The adapter is compatible with the following cables:

For Portable Radios

- RKN4074 Programming/Test Cable
- RKN4075 Programming Cable (with integral electronics)

For Mobile Radios

- RKN4083 Programming/Test Cable
- RKN4081 and GTF374 Programming Cables (with integral electronics) — require adapter cable RLN4853 (8-pin Telco jack to 20-pin Amp plug), which adapts/connects the cable to the mobile radio accessory port.

Refer to Figures 2 and 3 (page 4) for adapter/connection details.

NOTE: Flashing time for programming/test cable configurations using the RLN4008 radio interface box (RIB) is about four minutes. Flashing time for programming cable (with integral electronics) configurations is about two minutes.

CONNECTION AND PROCEDURE

1. Toggle the adapter's switch to the OFF position and turn off the radio.

2. Connect the adapter between the RLN4008 Radio Interface Box (RIB) and the RKN4074 or RKN4083 Programming/Test Cable (Figure 2), or between the computer and the RKN4075, RKN4081, or GTF374 Programming Cable (Figure 3).

3. Connect the opposite end of the cable to the portable radio's side connector or to the mobile radio's accessory connector.

   NOTE: Programming cables for the mobile radio require Adapter Cable RLN4853 to make this connection.

4. Toggle the adapter's switch to the ON (flashing mode) position and turn on the radio. The radio is ready for flashing.

5. Using special flashing Customer Programming Software (CPS), flash the radio. Data transfer is completed between two and four minutes.

6. When the flashing procedure is complete, turn off the radio, toggle the adapter's switch to the OFF position, and remove the cables and adapter.

7. Turn on the radio for normal operation.

NOTE: The HLN9742 Adapter may be left in line — attached to the cable (with the switch toggled to the OFF position) for normal programming/testing.

SERVICE

The HLN9742 Flashing Adapter is not repairable. Order a replacement adapter as necessary.
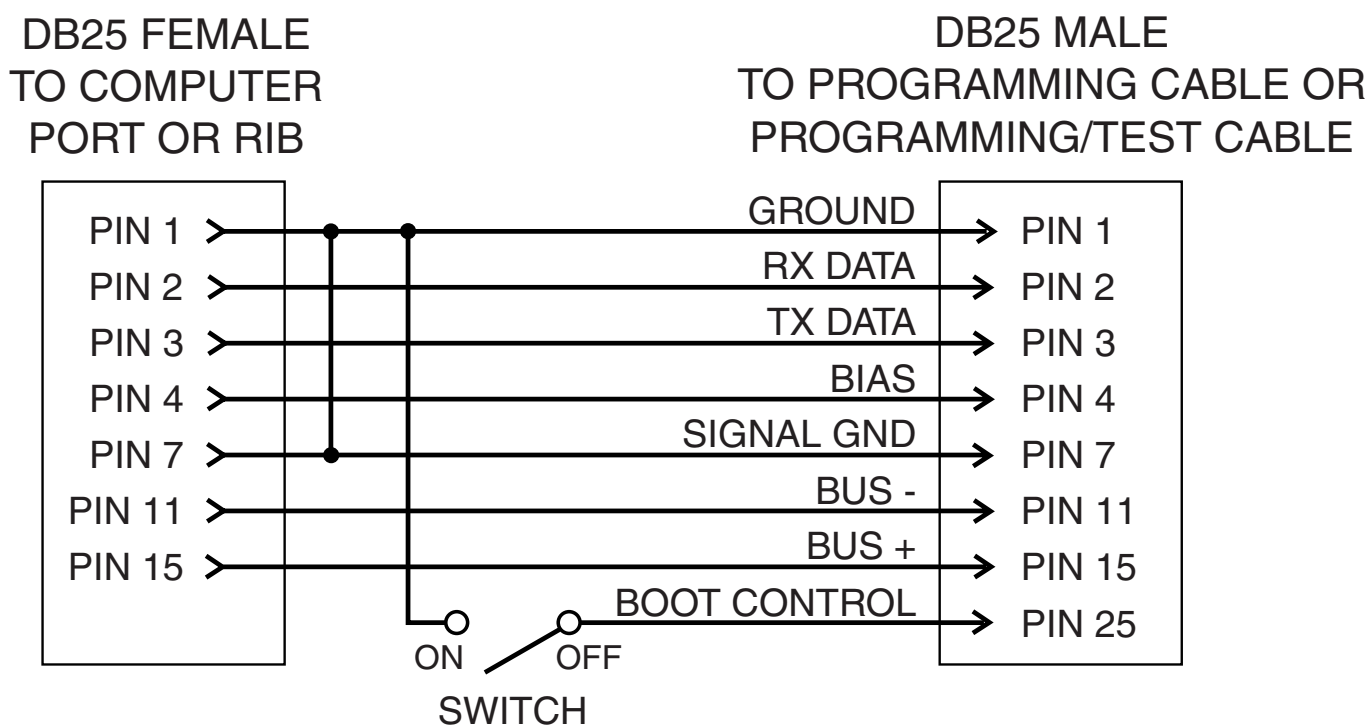
SCHEMATIC DIAGRAM

DB25 FEMALE
TO COMPUTER
PORT OR RIB

DB25 MALE
TO PROGRAMMING CABLE OR
PROGRAMMING/TEST CABLE

PIN 1	GROUND	PIN 1
PIN 2	RX DATA	PIN 2
PIN 3	TX DATA	PIN 3
PIN 4	BIAS	PIN 4
PIN 7	SIGNAL GND	PIN 7
PIN 11	BUS -	PIN 11
PIN 15	BUS +	PIN 15
	BOOT CONTROL	PIN 25

ON   OFF

SWITCH

Figure 1. HLN9742 Flashing Adapter Schematic Diagram

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ADAPTER/CONNECTION DETAILS

RIB   ADAPTER   PROGRAMMING/TEST CABLE

RIB PORT

ON   OFF

TO
RADIO
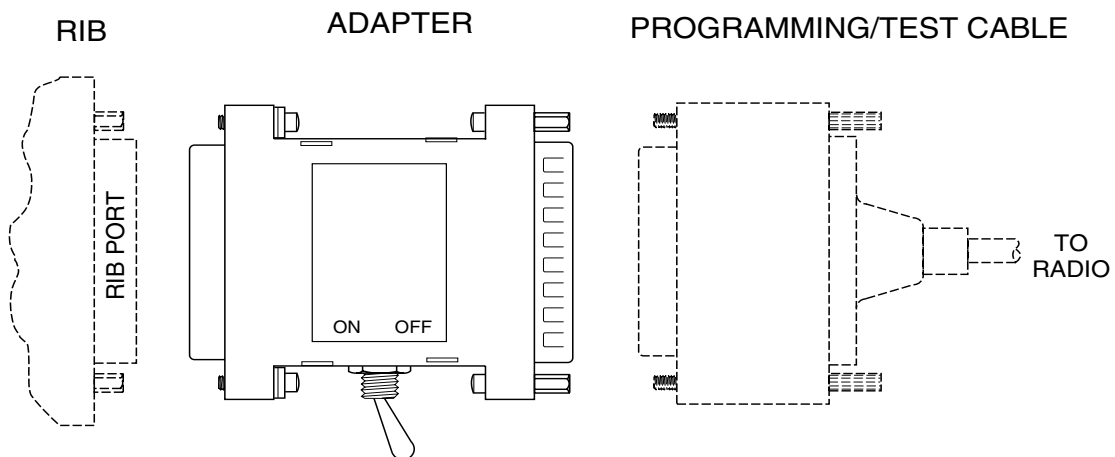
Figure 2. Adapter with RIB and Programming/Test Cable

COMPUTER   ADAPTER   PROGRAMMING CABLE

COMPUTER PORT

∗

ON   OFF

TO:
PORTABLE
RADIO
OR
MOBILE RADIO
VIA ADAPTER
RLN4853
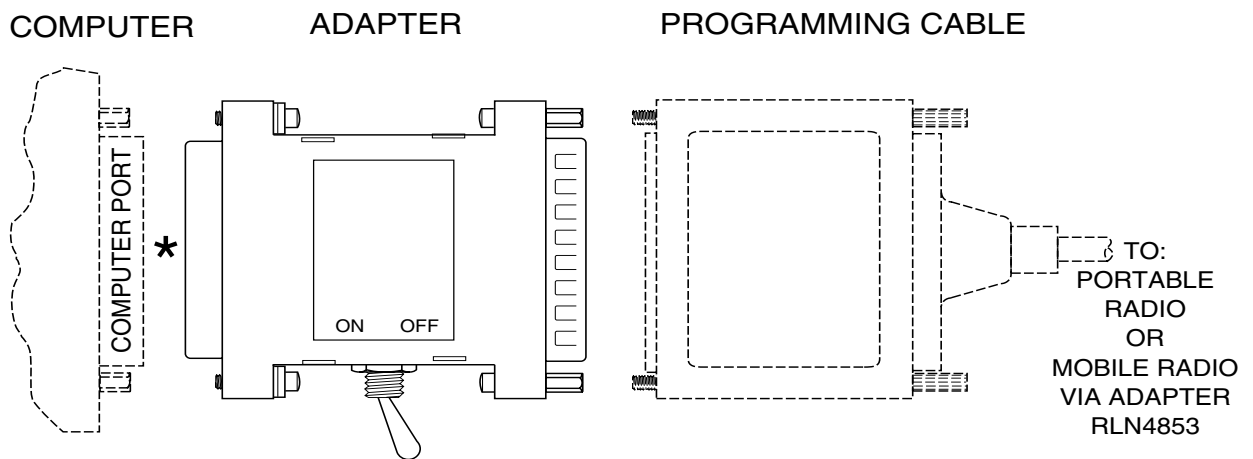
∗ Newer computers require the DB25/DB9 adapter supplied with the cable.

Figure 3. Adapter with Computer and Programming Cable

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