

**FORD RESET TOOL U-13
User's Guide**

Introduction

The U-13 Ford reset tool is designed for automatic unlocking of Ford Traffic car radios with IIC/RS485 service interfaces. The U-13 tool will reset car radios to the "CODE----" prompt when the car radio is blocked and displaying "LOCKED 10" or "LOCKED 13" message.
Car radios supported: Ford Traffic 3000/4000/5000/6000/7000.

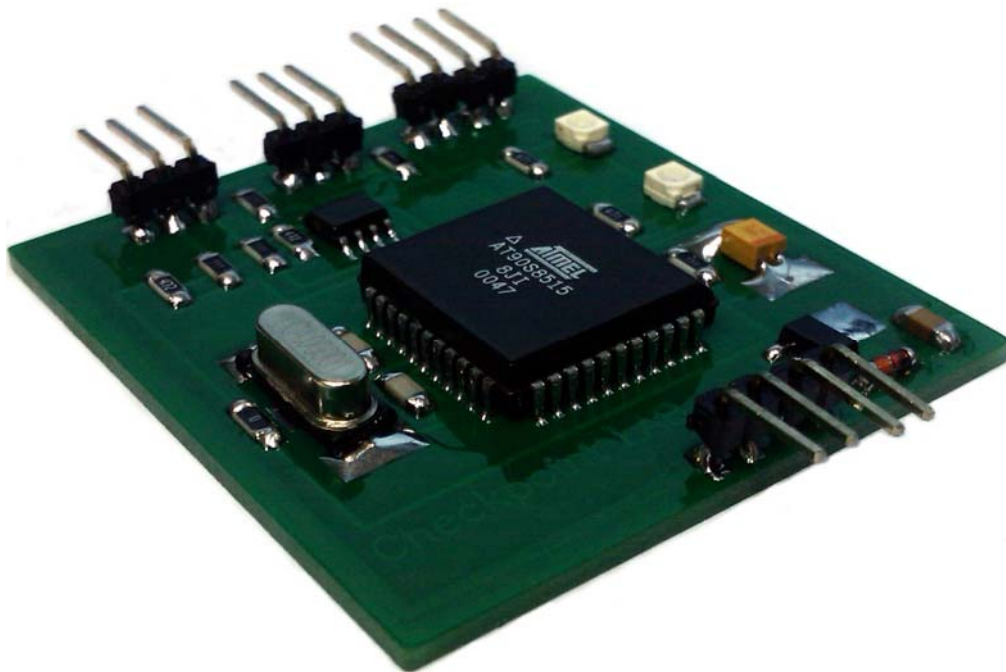


Figure 1

The U-13 Ford reset tool will reset locked car radio automatically after power ON applied simultaneously to the U-13 Ford Reset Tool and target car radio.

ATTENTION!

ONCE UNLOCKED, the radio will permit a further 13 attempts for code entering, but when second 13th attempts is used the radio will display "LOCK FOREVER" and can never be unlocked next time

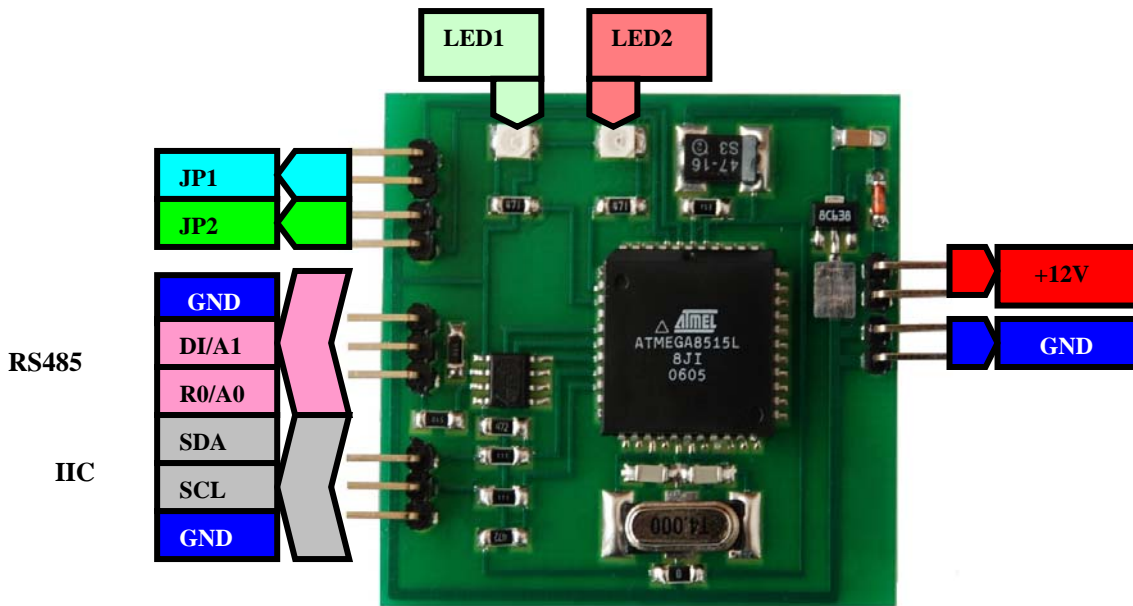


Figure 2

GND	:	Negative power supply voltage
+12 V	:	Positive power supply voltage
LED1	:	Activity/ power LED (green colour)
LED2	:	Error LED (red colour)
JP1	:	IIC interface activation (Ford Traffic 3000; 4000)
JP2	:	RS485 interface activation (Ford Traffic 5000; 6000; 7000)
DI/A1	:	RS485 interface
R0/A0	:	RS485 interface
Data	:	IIC interface
Clock	:	IIC interface

The U-13 Ford reset tool provides two interfaces to communicate with a target car radio, one power connector, jumper connectors and two control LEDs: green and red colours. The U-13 must be connected to a car radio via 3-wire cables, see Figure 2.

Installing Hardware

Install jumper to the right position before using U-13 Ford reset tool, see Figure 3. The U-13 provides two interfaces to communicate with target car radios. JP1 jumper must be mounted for selection of IIC communication interface or JP2 must be mounted for selection of RS-485 communication interface. Figure 3 shows the installation of the jumpers. Make sure that the U-13 reset tool and car radio are connected to the same power supply source simultaneously. 12-14 V, 1A DC power supply source required. Figure 5 shows the connections between U-13 Ford reset tool, target car radio and power supply source.

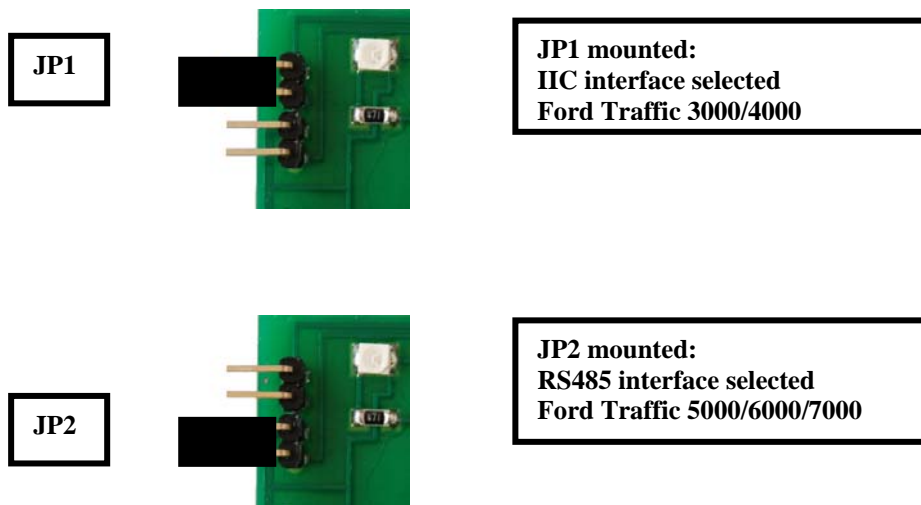


Figure 3

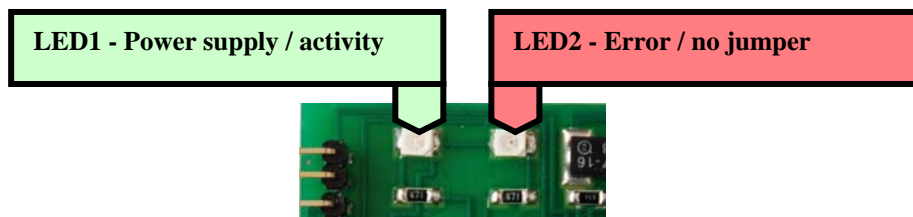


Figure 4

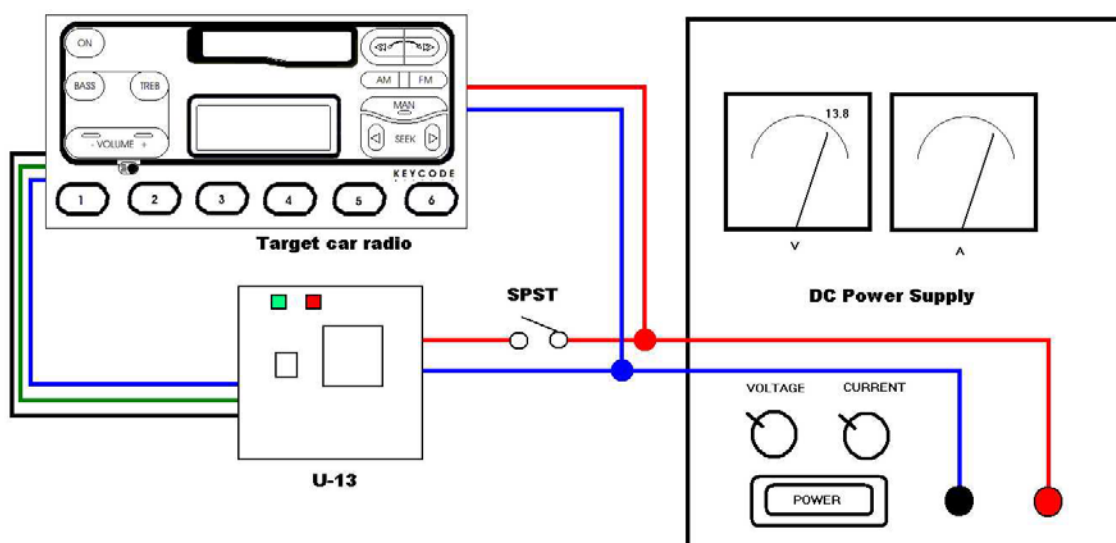


Figure 5

Operation

FORD TRAFFIC 3000;4000 (1995-1998)



Figure 6

- Connect the U-13 Ford reset tool to the target radio, see Figure 7
- JP1 must be mounted to IIC position, see Figure 3
- Connect the U-13 to car radio and power supply, see Figure 5
- Turn ON power supply source
- When you see the message "LOCKED 10" or "LOCKED 13" apply +12-14 V to the U-13 tool. As soon as the process is completed, the radio will respond by displaying "CODE" message indicating that the security code number can now be entered
- Turn OFF the power of car radio
- Disconnect the U-13 interface wires from car radio
- Turn ON power supply source
- Enter the code number

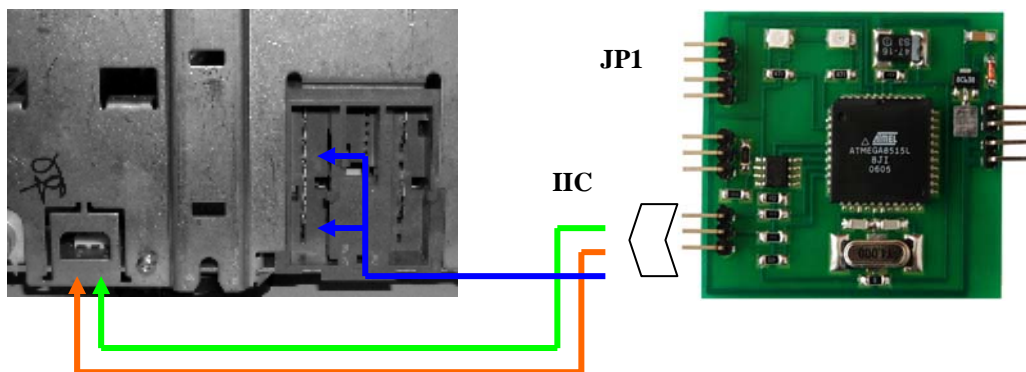


Figure 7

FORD 3000;4000 (1998-2002)



Figure 8

NOTE: Models made after 1998 must be connected to IIC interface via rear service connector, see Figure 9.

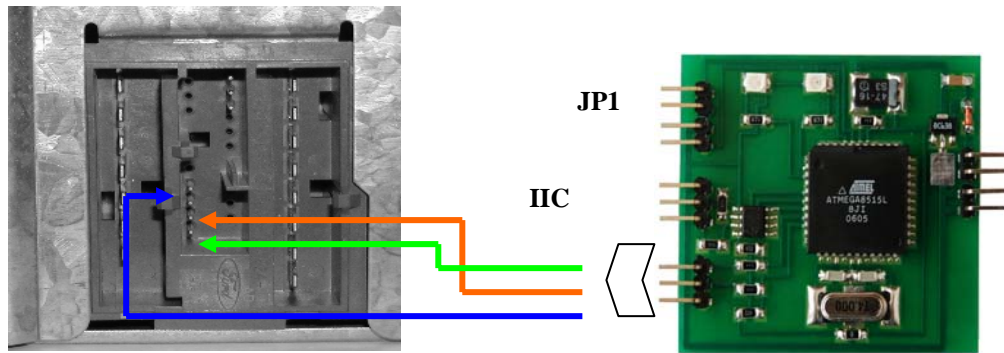


Figure 9

FORD 5000; 6000; 7000 (1996-1998)



Figure 10

- Connect the U-13 Ford reset tool to the target radio, see Figure 11
- JP2 must be mounted to RS-485 position, see Figure 3
- Connect the U-13 to car radio and power supply, see Figure 5
- Turn ON power supply source
- When you see the message "LOCKED 10" or "LOCKED 13" apply +12-14 V to the U-13 tool. As soon as the process is completed, the radio will respond by displaying "CODE" message indicating that the security code number can now be entered
- Turn OFF the power of car radio
- Disconnect the U-13 interface wires from car radio
- Turn ON power supply source
- Enter the code number

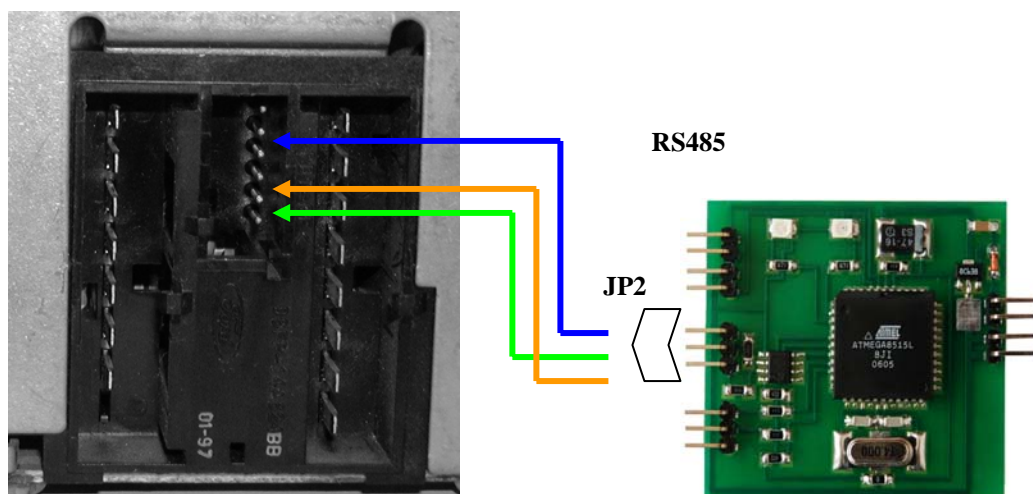


Figure 11

FORD 5000;6000;7000 (1998-2002)



Figure 12

- Connect the U-13 Ford reset tool to the target radio, see Figure 13
- JP2 must be mounted to RS-485 position, see Figure 3
- Connect the U-13 to car radio and power supply, see Figure 5
- Turn ON power supply source
- When you see the message "LOCKED 10" or "LOCKED 13" apply +12-14 V to the U-13 tool. As soon as the process is completed, the radio will respond by displaying "CODE" message indicating that the security code number can now be entered
- Turn OFF the power of car radio
- Disconnect the U-13 interface wires from car radio
- Turn ON power supply source
- Enter the code number

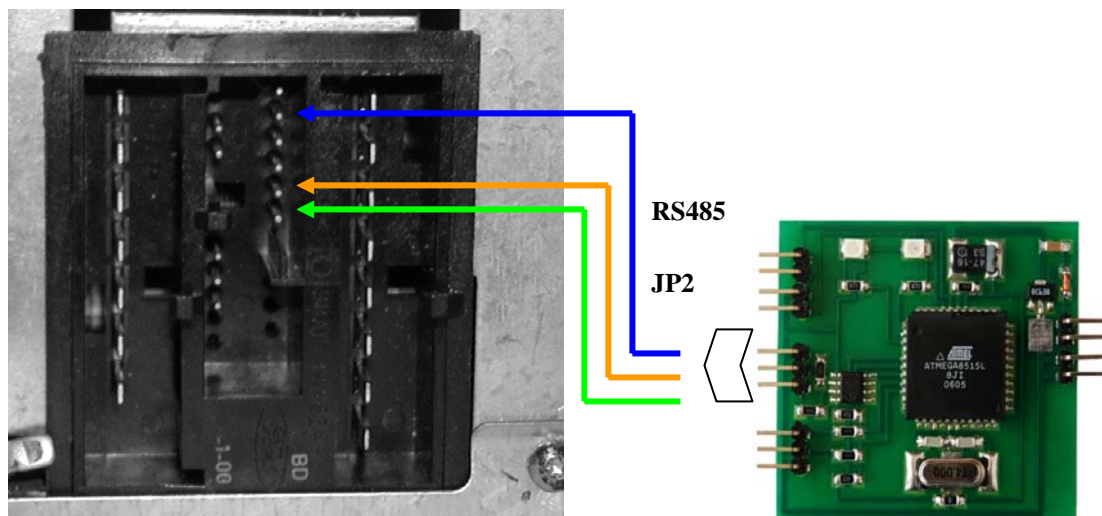


Figure 13

Appendix

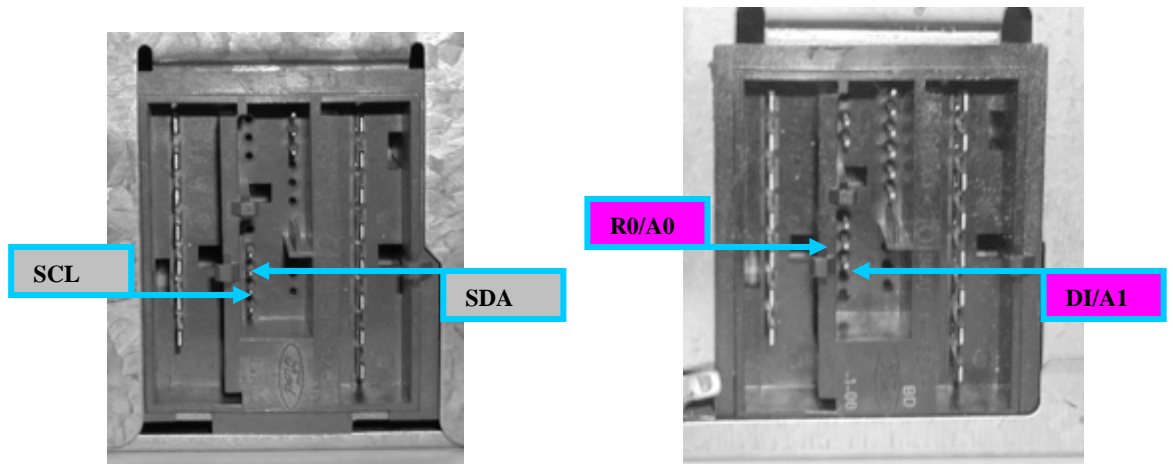


Figure 14

BEFORE: ?



AFTER: 



Figure 15

FORD RESET TOOL U-13

PACKAGE CHECK LIST

Q.

1. U-13 board	1
2. Interface cable.	1
3. User's manual (hardcopy).	1