

**FORD RESET TOOL U-13-M2  
User's Guide**

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## Introduction

The U-13-M2 Ford Traffic 3000/4000 tool designed for automatic unlocking the Ford Traffic 3000/4000 with IIC service interface. The Ford Reset tool U-13-M2 will reset car radio to the "CODE----" prompt when the car radio is displaying "LOCKED 10" or "LOCKED 13" message

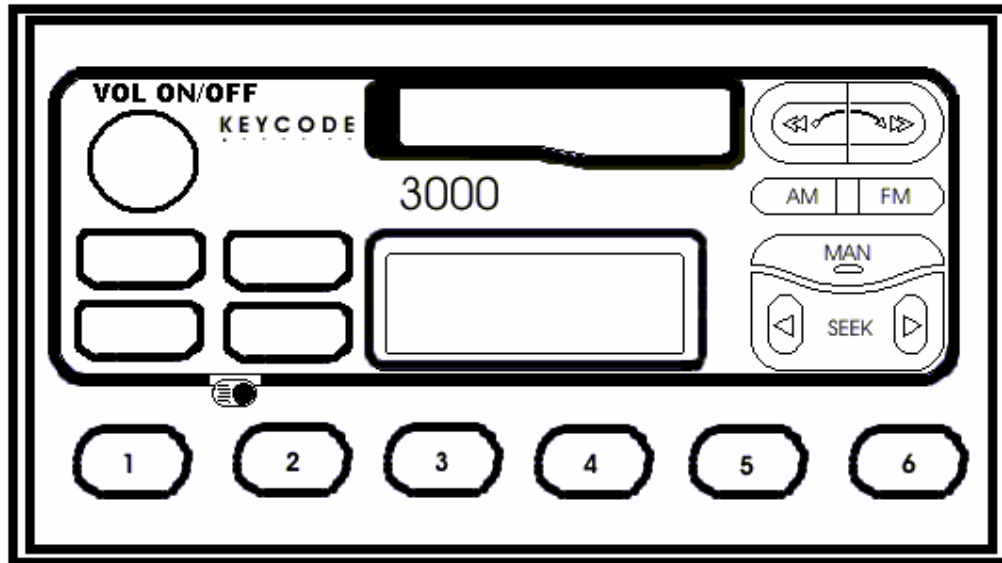


Figure 1

- NOTE\* Model 3000 TRAFFIC. Made by VISTEON PART NO : 2T1F-18C838C0. MCU - ST92F120V9Q7  
\*One more front panel Ford 3000 see Figure 10

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## Hardware Description

U-13-M2 components:

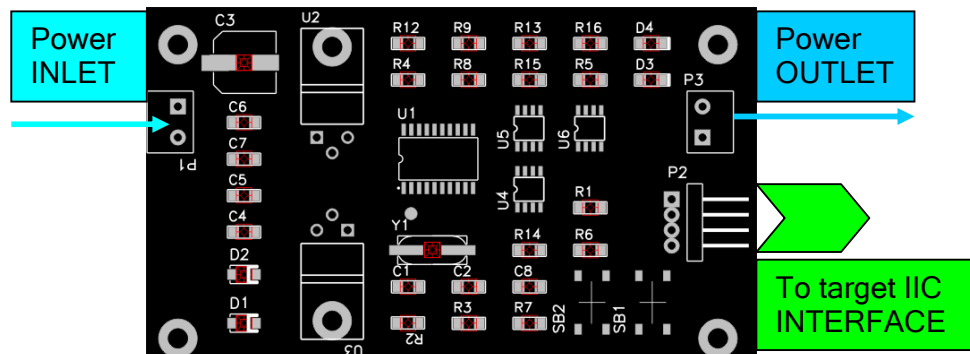


Figure 2

- INLET : Input power supply source connector  
+13.8...15 V positive voltage to U-13-M2
- OUTLET : Output power supply source connector  
supply +12 V positive to car radio Ford Traffic 3000
- INTERFACE: IIC bus service connector - 3 wires interface

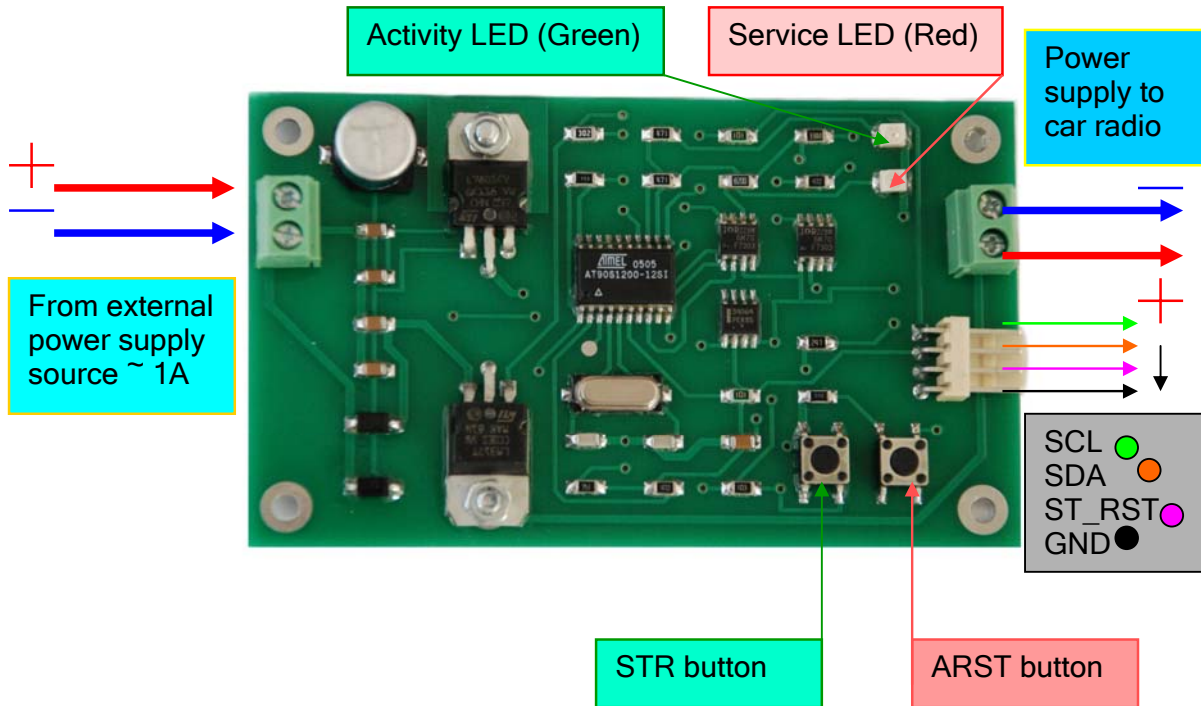


Figure 3

U-13-M2 kit included two LEDs (green and red), two push button switches, two power connectors, one service interface connector

Control components meaning:

Activity LED..... Ready/Activity LED is lit/blinking displays operations in progress or when it's finished. GREEN colour

Service LED..... Service LED is lit/blinking displays operation in progress or when it's finished. In additional displays service modes after entering service mode\*\*. RED colour

- NOTE \*\* Service mode is designed for self testing U-13-M2

STR button..... START BUTTON starts the target car radio receive service sequence

ARST button..... AVR RESET button resets the main AVR device when pushed



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## Operation

Step 1: Connect power supply source, U-13-M2 tool and target radio with accordance to Figure 4 and Figure 5

Step 2: Turn ON power supply source (set DC voltage 13.8-14 volts). Wait ~3-4 seconds for settle time. Activity LED will lit green after simultaneously blinking with Service LED for a little while. From now you should see message in the display "LOCKED 13"

Step 3: Press STR button. Service LED will blink 9 times then Activity and Service LEDs become flashing first one by second one

Step 4: Make sure, that car radio display "CODE - - -" in the LCD display

### **WARNING!**

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

BEFORE ↻



Figure 6

AFTER ↻



Figure 7

# Appendix

Direct connection to the target MCU - ST92F120V9Q7

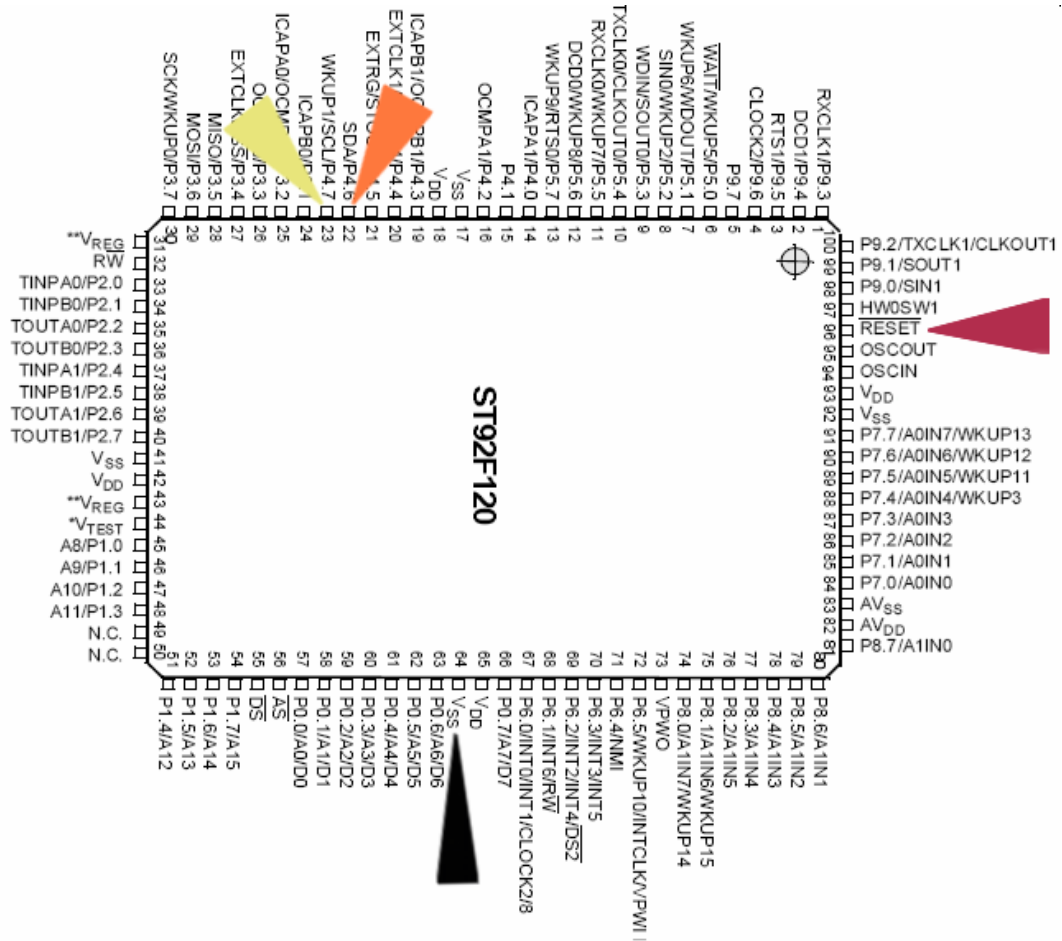


Figure 9

One more front panel view of Ford Traffic 3000:

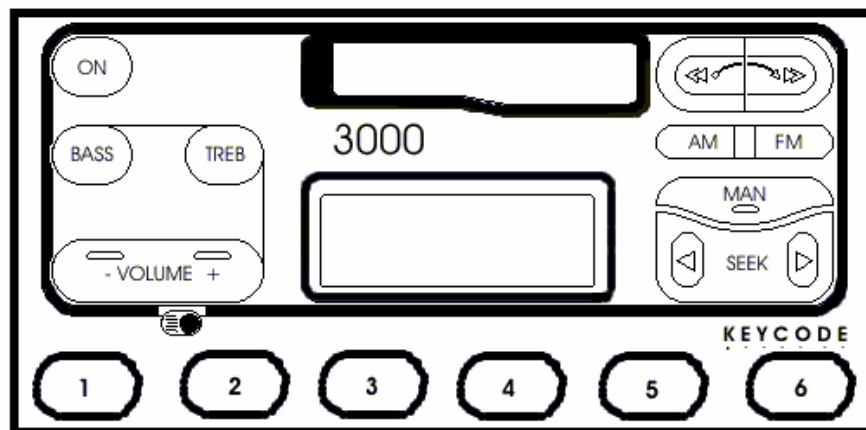


Figure 10

FORD RESET TOOL U-13-M2

PACKAGE CHECK LIST Q.

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- |                                      |   |
|--------------------------------------|---|
| 1. U-13-M2 board . . . . .           | 1 |
| 2. IIC interface cable. . . . .      | 1 |
| 3. User's manual (hardcopy). . . . . | 1 |