



ECU Siemens MSV80 - TC1796 Internal Flash

FASE 1: RICERCA PASSWORD

Per trovare la password bisogna connettere lo strumento alla macchina tramite la presa OBD e lanciare il driver:

OBD TOOL PASSWORD MSV80 BMW.

Successivamente sarà possibile smontare la centralina dalla macchina e porla in Boot mode come alla seguente fase 2.

Attenzione: Se non viene trovata la password sulla macchina si può provare a banco connettendo solo il pinout come in foto successiva:

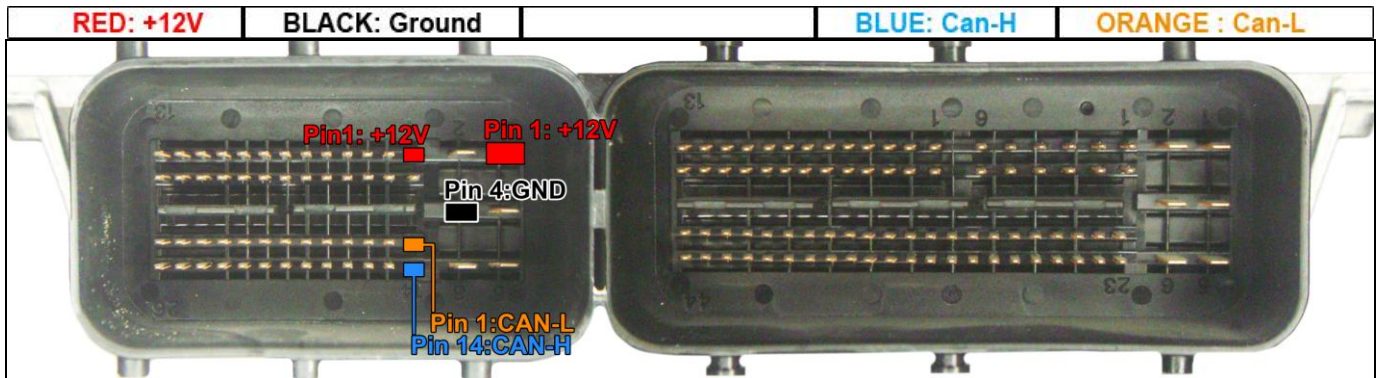
STEP 1: SEARCH PASSWORD

To find the password you must to connect the tool by OBD plug to the car and use the driver:

OBD TOOL PASSWORD MSV80 BMW

After that, you will disassemble the car's control unit and set it in Boot mode like in next step 2.

Attention: If the password is not found on the car you can try out the bench by connecting only the pinout as in the following photo:



FASE 2: LETTURA/SCRITTURA IN BOOT MODE

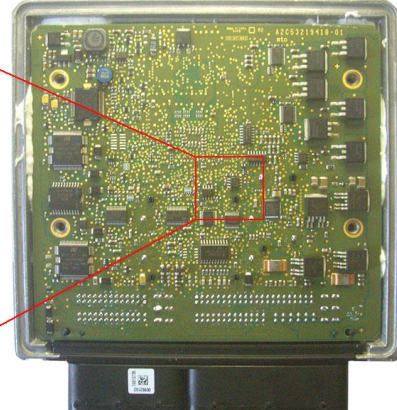
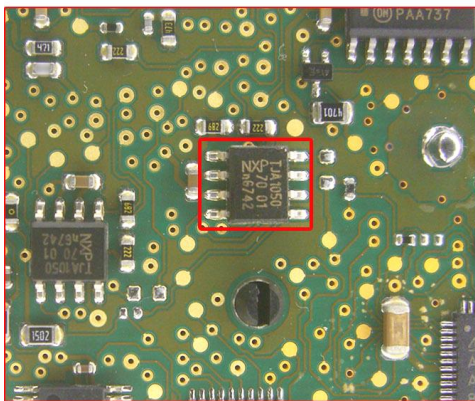
Verificare prima di tutto il tipo di hardware della centralina dato che ci sono due versioni hardware.

STEP 2: READ/WRITE IN BOOT MODE

First of all check the type of hardware of ECU because there are two hardware versions.

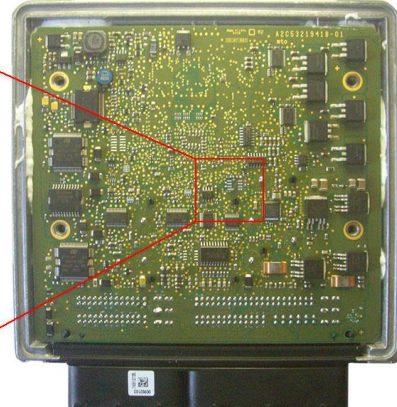
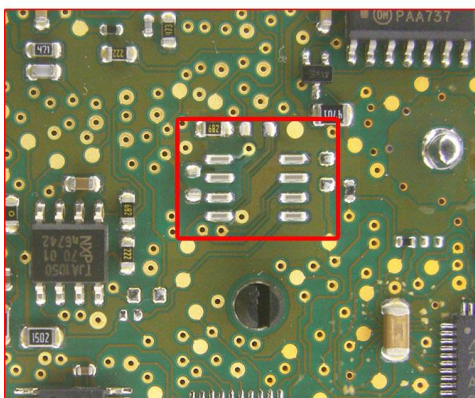
Hardware v.1 si riconosce dal componente indicato in figura:

Hardware v.1 has the chip shown in figure:



Hardware v.2 si riconosce dal componente mancante:

Hardware v.2 doesn't have this chip:



Segue a pagina successiva..

Follow on next page..

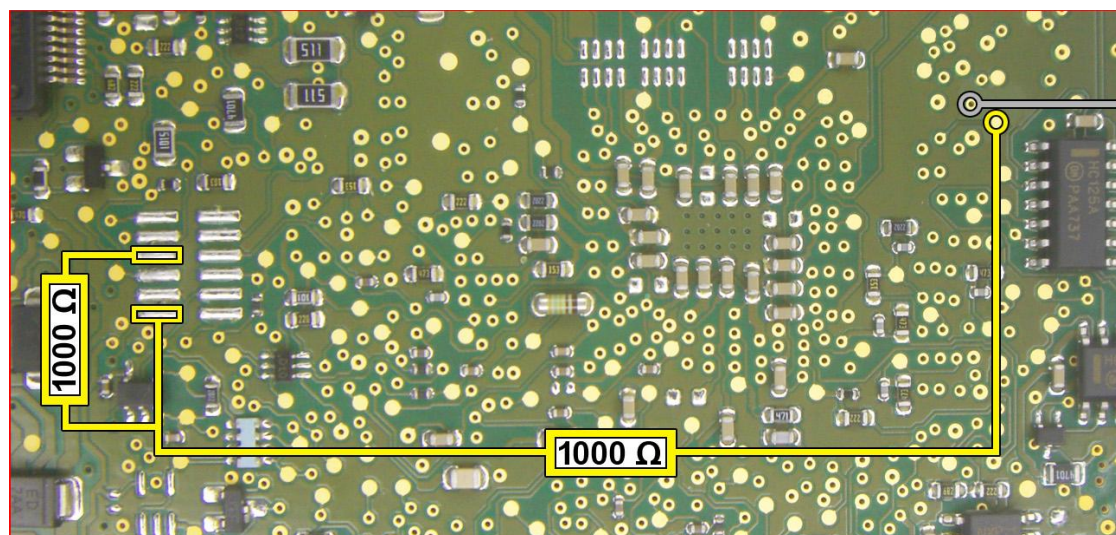
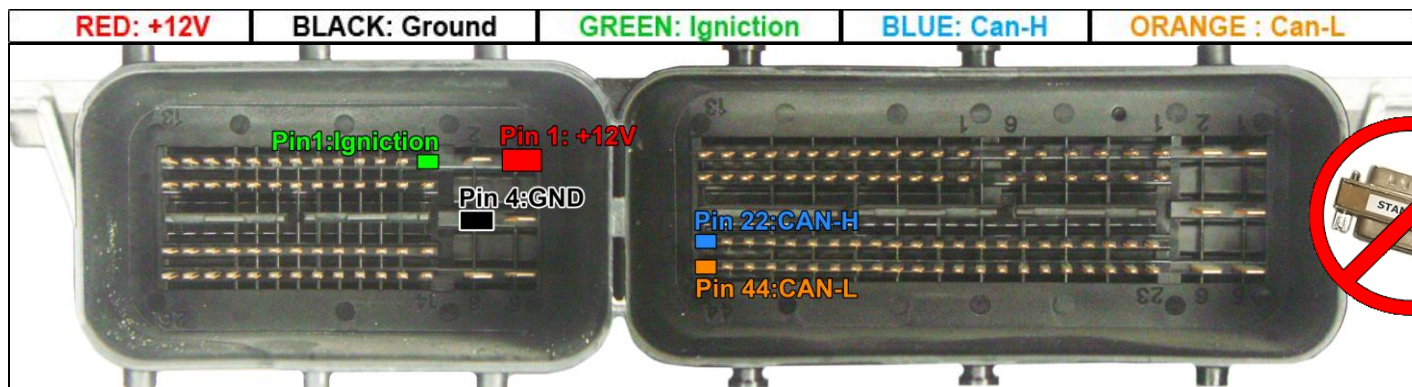
BOOT MODE HARDWARE V.1

Porre la centralina in Boot mode, quindi connettere il seguente pinout e saldare le due resistenze e il filo grigio come nella figura sottostante. Utilizzare il driver:

BOOT MODE TRICORE SAK TC1796

Set in Boot mode the ECU, so connect the following pinout and solder the two resistances and the gray wire like shown in the figure below.

Use the driver: **BOOT MODE TRICORE SAK TC1796**



Gray wire of Tricore cable

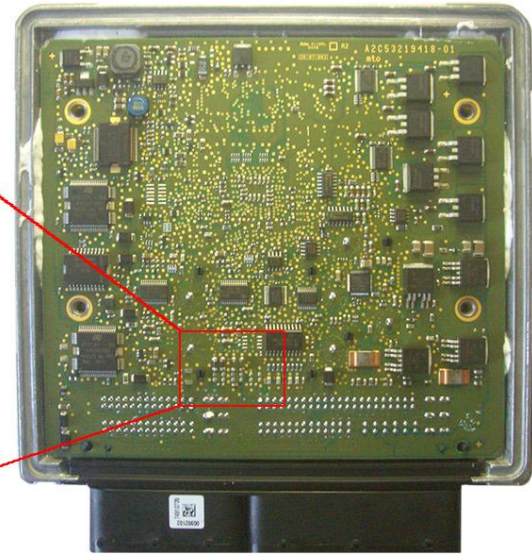
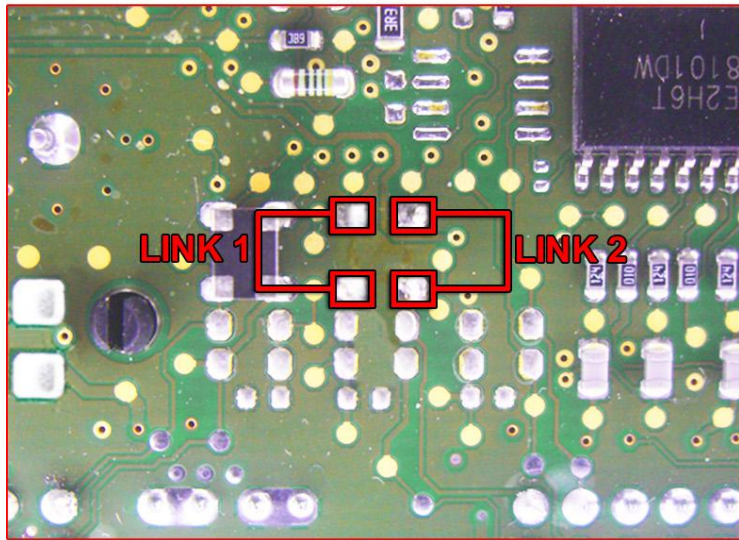
Vedere le pagine seguenti per il boot mode per la versione hardware 2..

See the bootmode for hardware version 2 on following pages..

BOOT MODE HARDWARE V.2

Effettuare due ponti:

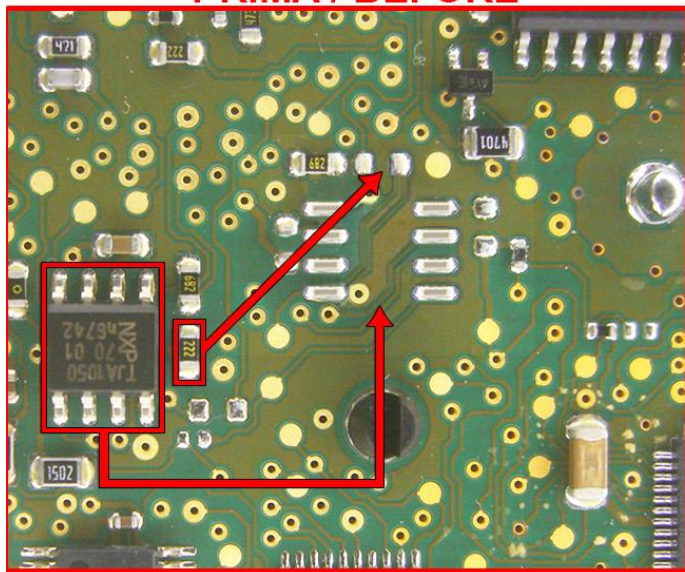
Do two links:



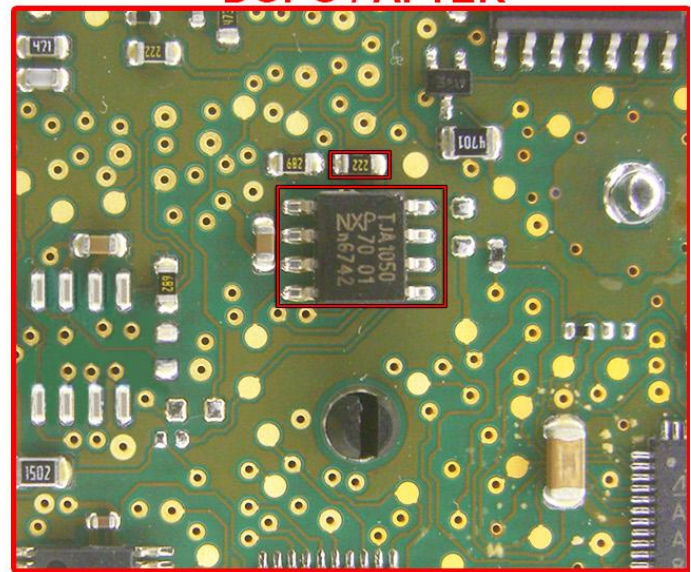
Spostare il chip e la resistenza come indicato in figura:

Move the chip and the resistor like shown in figure:

PRIMA / BEFORE



DOPO / AFTER



Segue a pagina successiva..

Follow on next page..

Connettere il seguente pinout e saldare le due resistenze e il filo grigio come nella figura sottostante.

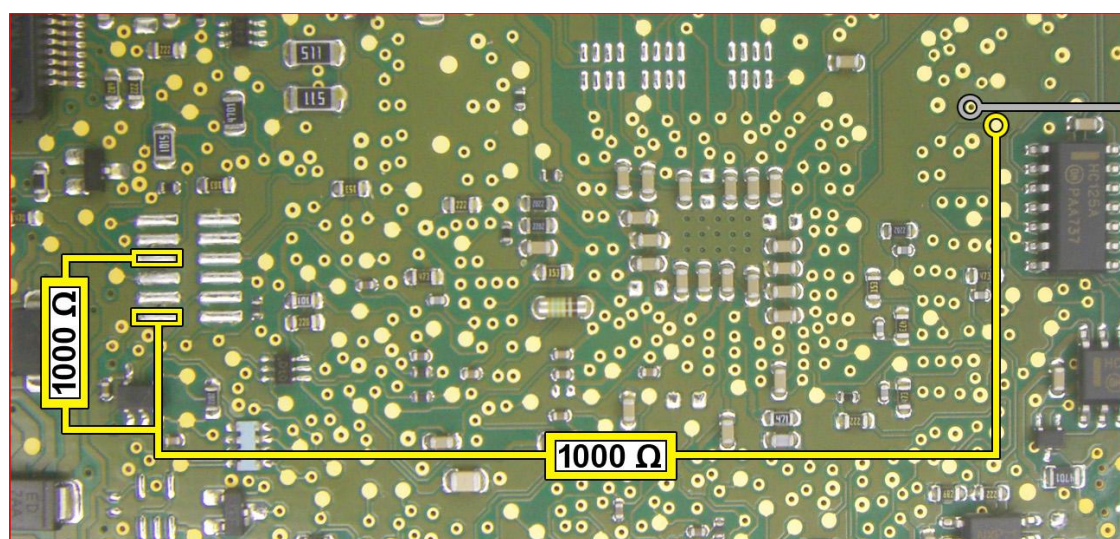
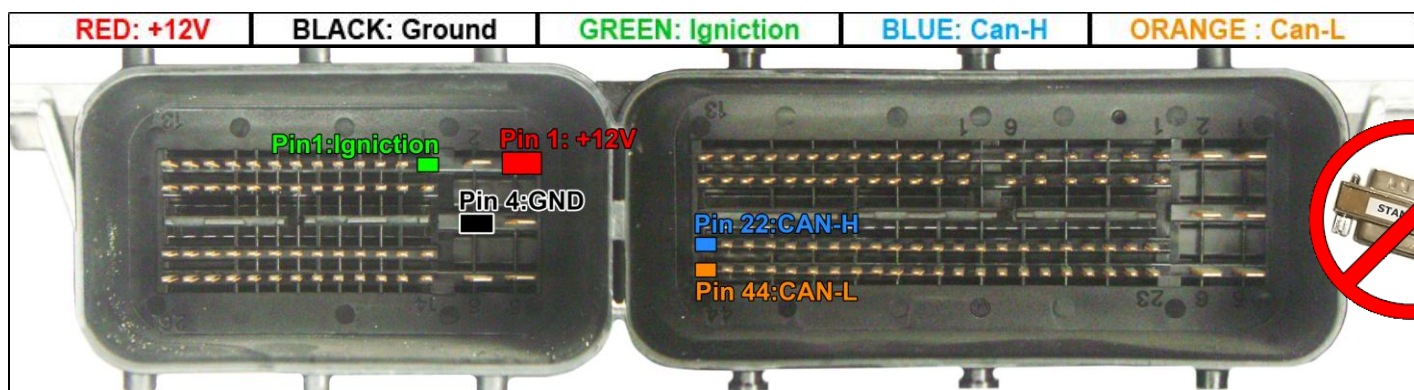
Utilizzare il driver:

BOOT MODE TRICORE SAK TC1796

Connect the following pinout and solder the two resistances and the gray wire like shown in the figure below.

Use the driver:

BOOT MODE TRICORE SAK TC1796



Gray wire of
Tricore cable

ATTENZIONE:

Prima di rimontare la centralina sulla vettura dissaldare i due ponti e riposizionare i due componenti nella posizione originale.

ATTENTION:

Before climb on the ECU on the car remove the two links and restore the two components in original position.