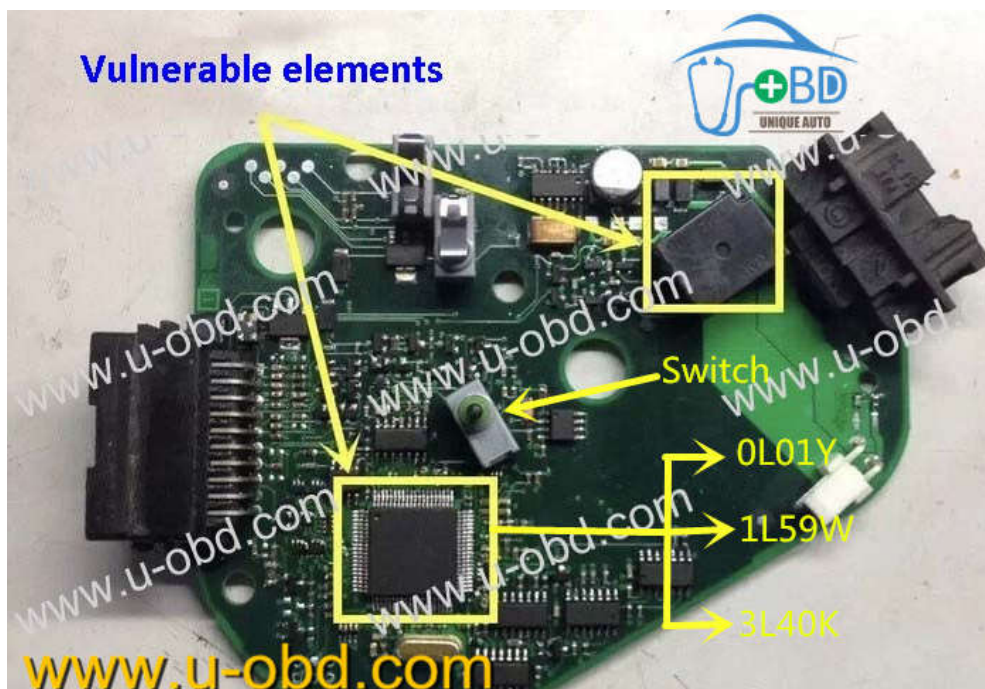


## AUDI A6 Q5 ESL/ ELV J518 module repair solution & repair kits

AUDI steer column Module – **J518** is easy been damaged, it's a common problem, when the **J518** Module is failure, the following problems will occurred when insert the key:

1. Steer column will not be unlocked;
  2. Car will not start;
  3. Dashboard can not be light up.
- But the key can rotate normally.



**Repair solutions:**

1. dismantle the [J518](#) Module form the car, open it, use [XPROG](#) read the MCU, there are three kind of [MCU](#) Model exist:

- [MC9S12DG256CFUE OL01Y](#);
- [MC9S12DG128CFUE 1L59W](#);
- [MC9S12DG128CFU 3L40K](#);

[www.u-obd.com](http://www.u-obd.com)



MC9S12DG256CFUE  
OL01Y Audi A6 J518  
module vulnerable CPU

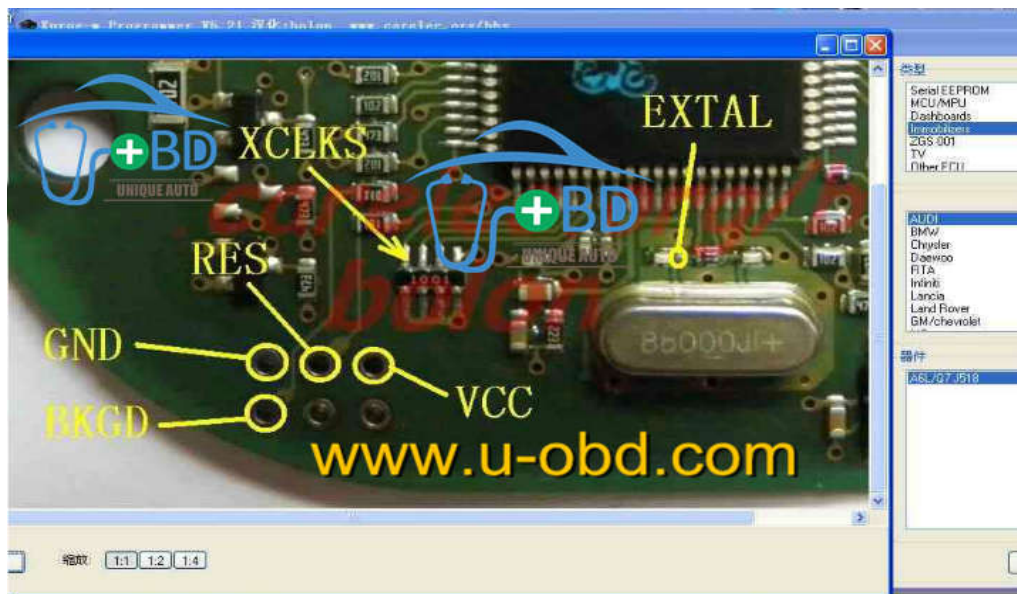


MC9S12DG128CFUE  
1L59W Audi A6 J518  
module vulnerable CPU



MC9S12DG128CFU 3L40K  
Audi A6 J518 module  
vulnerable CPU

Read both the flash and eeprom dump from the [MCU](#) and saved on desktop, the [XPROG](#) wiring diagram:



2. Buy new [MCU](#) from [www.u-obd.com](http://www.u-obd.com), as the [MCU](#) is new and blank, use the [XPROG](#) write the dump been saved in the first step in to the new [MCU](#), then solder back on the [J518](#) circuit board.

3. Change the Relays Model No: [ACT512](#);



**AUDI A6 Q5 J518 commonly used relays**



4. Better change the [micro switch](#) and the [ELV motor](#) as well.





5. If the [J518](#) circuit board is burned or badly damaged, or don't want to do time-consuming soldering work, better change a new [blank circuit board](#).





[www.u-obd.com](http://www.u-obd.com)

**Attention:** When change the [MCU](#), Desoldering the [MCU](#), please mind the small resistors beside the [MCU](#), The [hot air gun](#) may damaged the resistor, please be careful.

2. if the [MCU](#) is totally damaged and can not read the dump out, ask some one to share a dump, after write into the new [MCU](#) or new [blank circuit board](#), use device to do adapting work.

Thanks for reading! If you like it please share to more people in need.

--- Steve Powell

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