



Achieve the impossible



Abrites ENGINE CONTROL UNIT Programming
Tool
User Manual

Version: 2.3

www.ABRITES.com

Date	Chapter	Description	Revision
February 2019	ALL	Manual created	1.0
September 2019	ALL	ECU diagrams added	2.0
October 2019	3	Connecting ZN051	2.1
October 2019	2	Wiring diagrams added	2.2
February 2020	2	Boot diagrams update	2.3
March 2020	2	Wiring diagrams update	2.4

1. Introduction
2. Using the Abrites Engine Control Unit Programming Tool
 - Diag
 - Bench
 - BSL(BOOT mode)
3. Wiring diagrams
 - 3.1 - Wiring diagrams legend
 - 3.2 Connecting your ZN051 to operate with the Abrites Engine Control Unit Programming Tool

I. Introduction

The Abrites Engine control unit programming tool is a tool developed to unite all ECU reading/writing functionalities of our company under one software for cars, trucks, industrial and farming equipment.

Using it you will be able to read and write EEPROM(Data Flash), read and write Program flash, read and write ECM Maps **via DIAGNOSTICS, BOOT mode** and **on BENCH** using a direct connection to the ECU.

The tool works in conjunction with the Abrites ZN051 distribution box in order to assure reading and writing to the ECU(bench and boot mode).

The ECU Programming Tool includes ECUs from the following brands:

- BMW - BOSCH, SIEMENS
- KIA/ HYUNDAI -BOSCH, CONTINENTAL, DELPHI, KEFICO
- MERCEDES - BOSCH, CONTINENTAL, DELPHI
- MINI - BOSCH
- PORSCHE - BOSCH
- PEUGEOT/ CITROEN - BOSCH
- RENAULT - BOSCH
- VAG - BOSCH
- CHEVROLET - SIEMENS
- FORD - CONTINENTAL, DELPHI, BOSCH
- SSANGYUONG - SIEMENS
- SUBARU - BOSCH
- TOYOTA - BOSCH, DENSO
- AGRIFAC - BOSCH
- ARTEC - BOSCH
- CASE - BOSCH
- CLAAS - BOSCH
- DEUTZ - BOSCH
- and many others!

A full list of supported ECUs could be found here:
<https://abrites.com/en/products/vehicle-diagnostics/abrites-ecu-programmer>

We can easily read and write the EEPROM(DATA FLASH), internal flash/external flash(PROGRAM FLASH), ECM Maps, save them and keep them for later use. We can also easily write them to other ECUs as a helpful tool for replacement. This is great for mechanical and electronic workshops, engine tuners and locksmiths.

FULL BOOT MODE AND BENCH SOLUTION FOR ALL AVAILABLE BRANDS.

The new tool works perfectly with the help of the Abrites ZN051 Distribution box.

II. USING THE ABRITES ENGINE CONTROL UNIT PROGRAMMING TOOL

The Abrites engine control unit programming tool will allow you to read or write the ECU

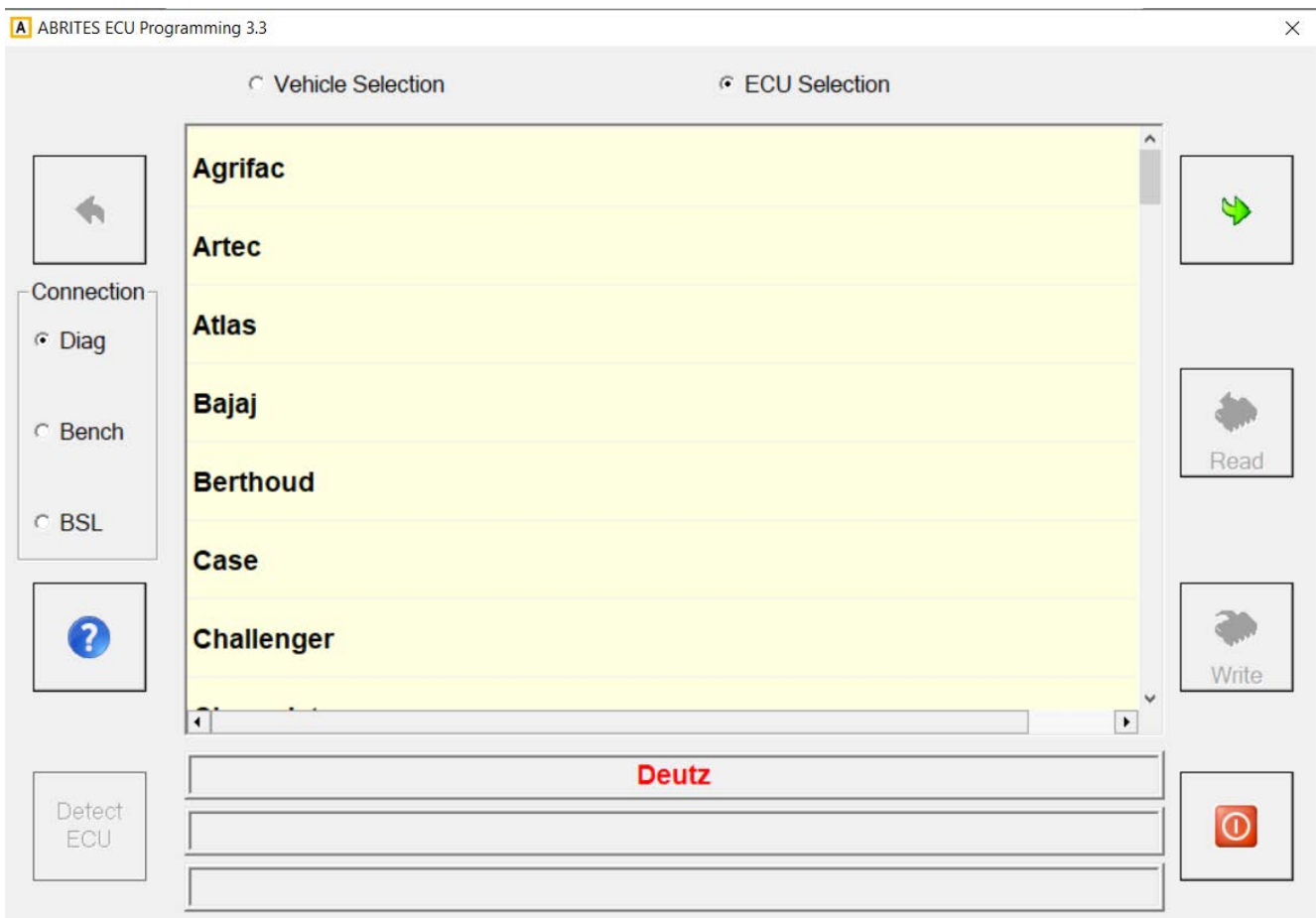
You can choose between these three options:

-**Diag** - used for reading/writing the ECU **via diagnostics**(via OBDII or using a direct connection)

-**Bench** - used for reading/writing the ECU **on bench** with direct connection to the ECU using the ZN051 Abrites Distribution Box.

-**BSL** - used for reading/writing the ECU **via BOOT mode** using the ZN051 Abrites Distribution Box

IMPORTANT: In order to use the ECU programming tool the AMS should be active and the hardware update should be performed at least once a month. For more information please open the Abrites Common User Manual.



Connection to the ECU using a Distribution box:

1. Connect the CB402 cable to your AVDI



2. Connect your DS box to the CB402 cable



3. Connect the gray connector cable to B+ and GND of your DS Box and supply it with 13.5V. Always start with connecting GND.



4. Connect the CB401 cable to the DB15 port of your DS box



5. Connect the CB401 cable to the ECU connectors as per the diagrams in this manual. Always start with connecting GND first.

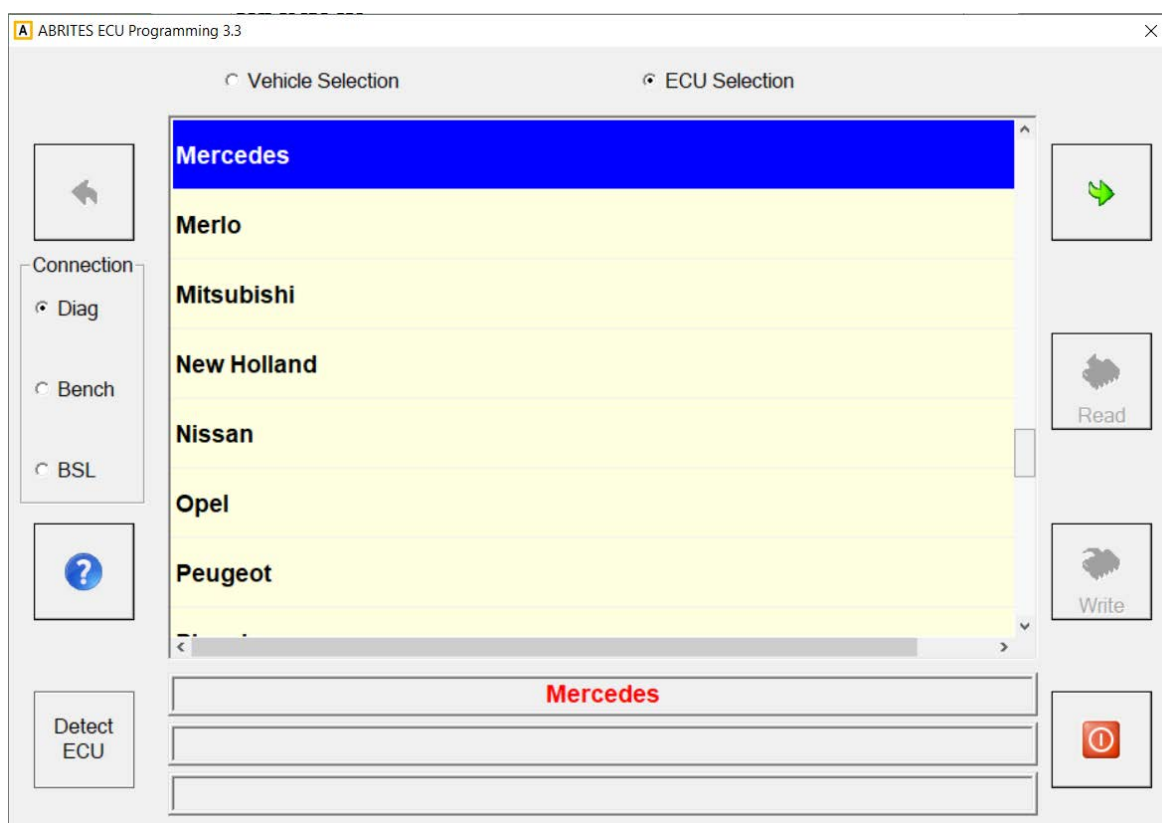
*You can find more detailed information on page 12 of this User Manual.

1. DIAG

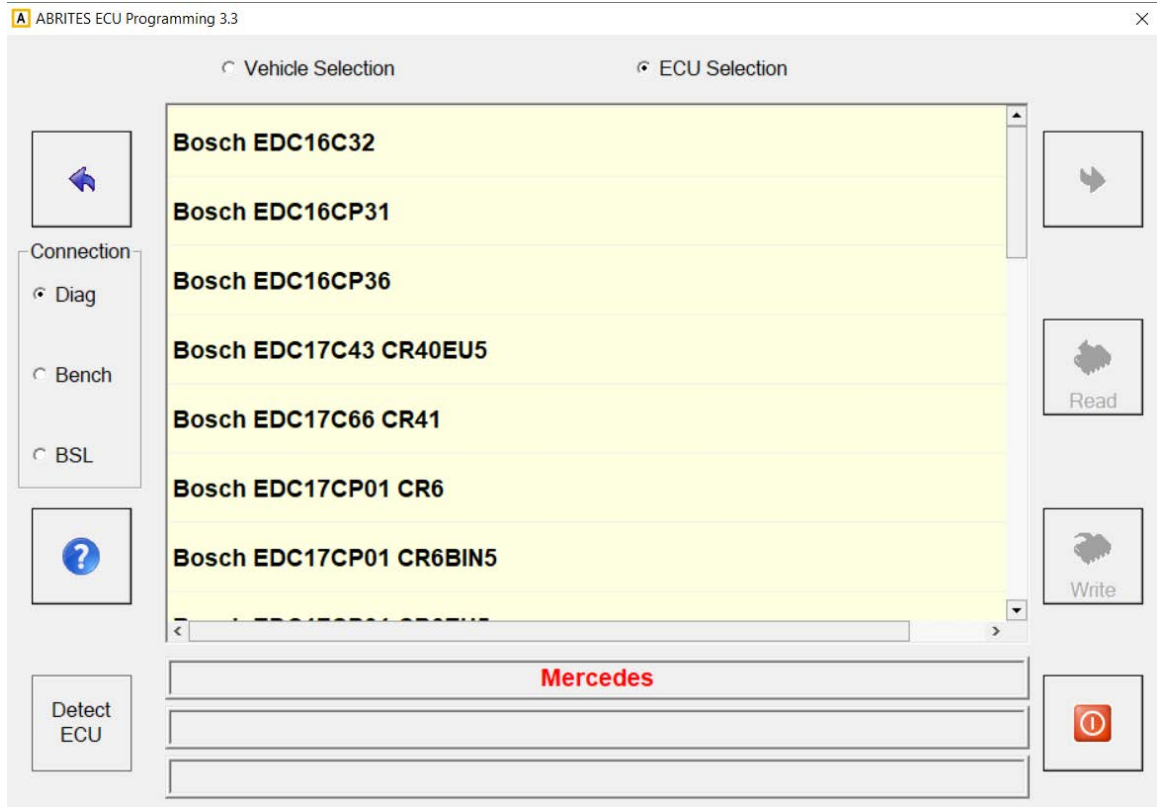
The option DIAG is used to read/write the ECU via diagnostics through the OBDII port of the car.

It allows you to read and write the ECM Maps, Internal/External Flash, Data flash. It allows you also to perform both real and virtual read of the memory.

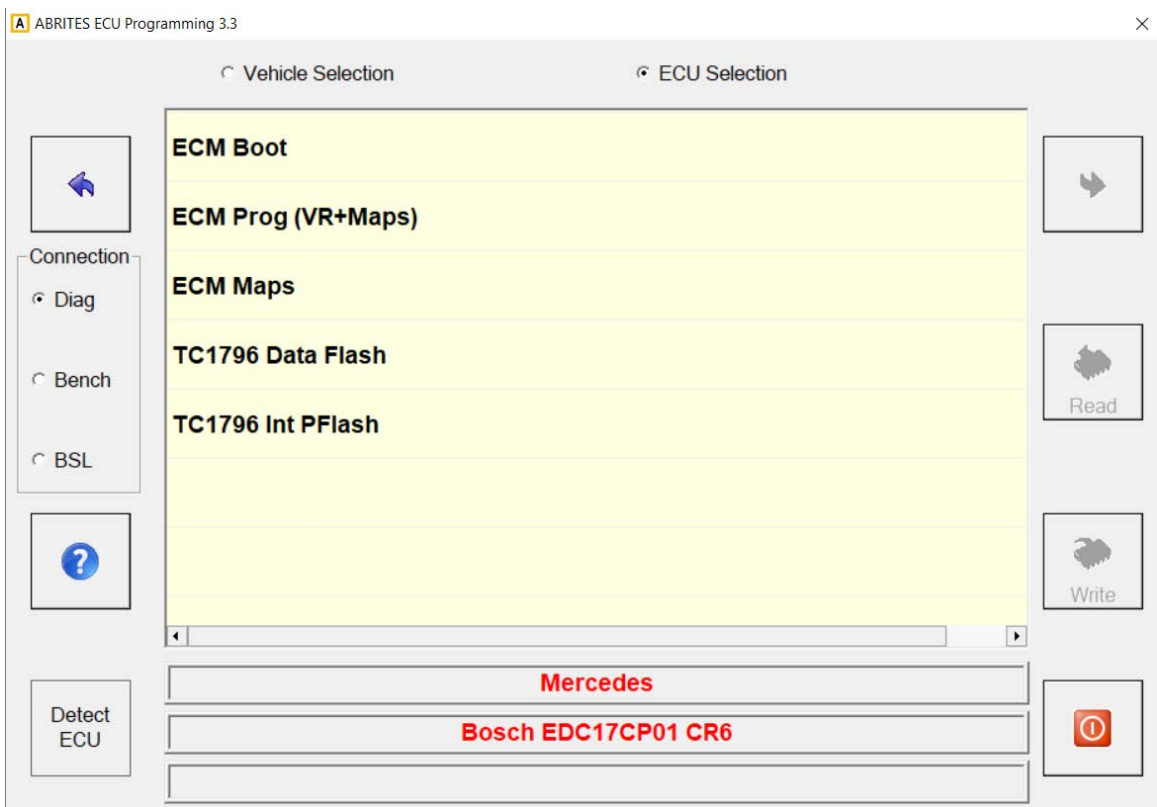
Select Diag and the car brand you want to work on:



Select the ECU brand you want to work on:



Select the memory type you want to read/write followed by Info, Read or Write.



2. Bench

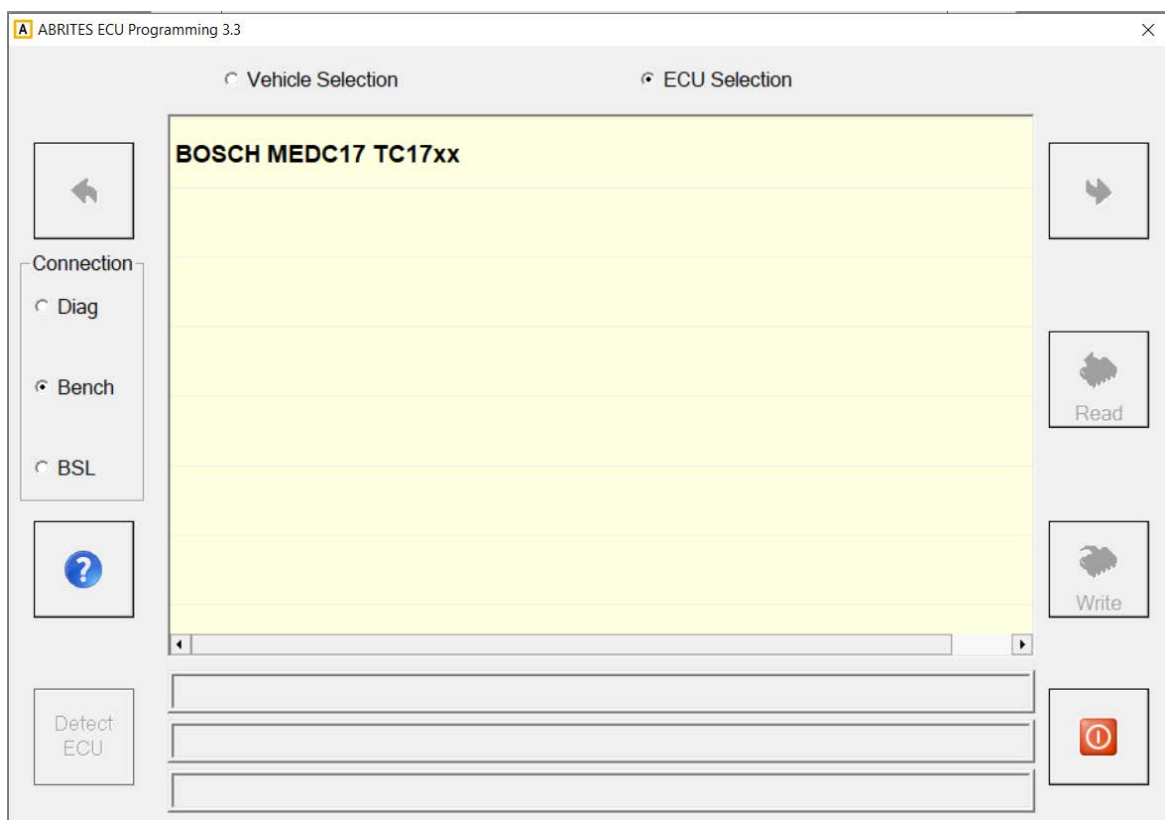
The option Bench is used to read/write the ECU with direct connection to the ECU using the Abrites ZN051 Distribution box without opening the ECU.

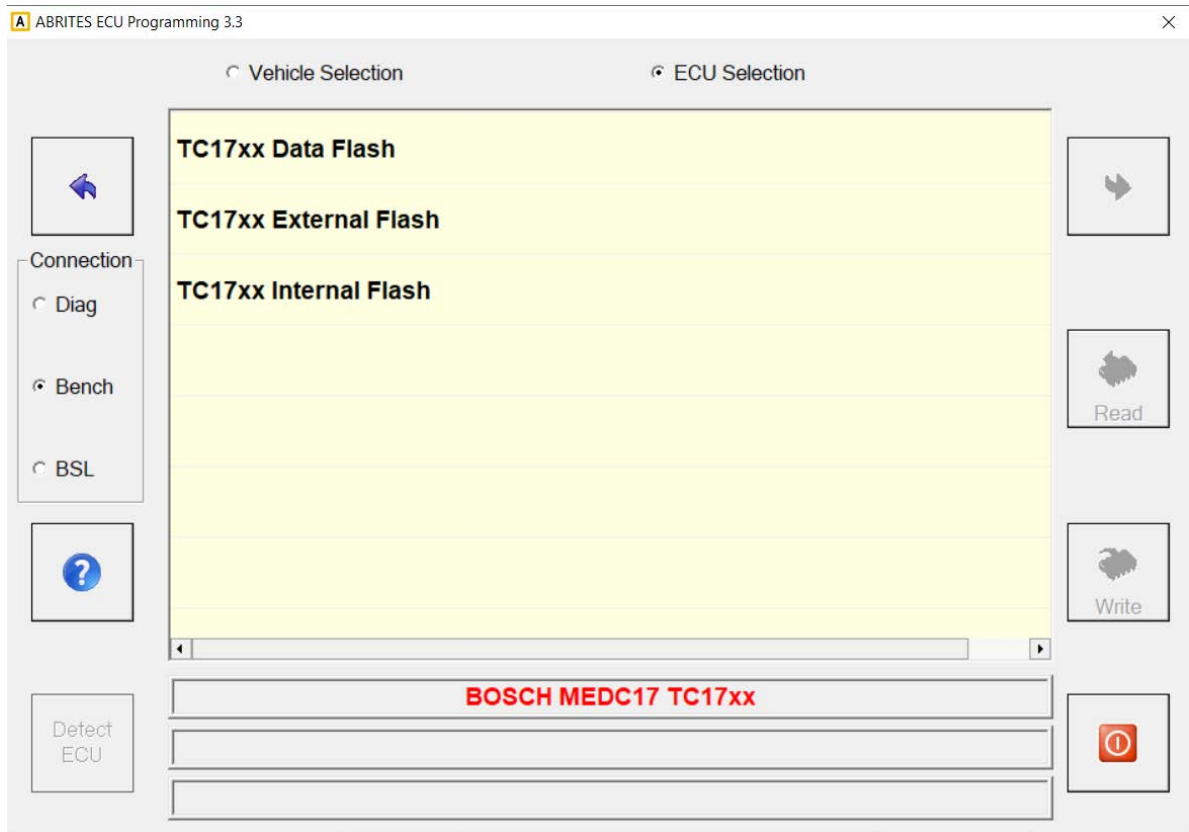
It allows you to read and write both Internal/External Program Flash and Data flash.

IMPORTANT: Some ECUs could be read on bench using a Distribution BOX version 2.3 and ZN065 adapter or Distribution box version 2.4 only as they require the PWMs to be powered up with 5V, instead of the usual 3.3V.

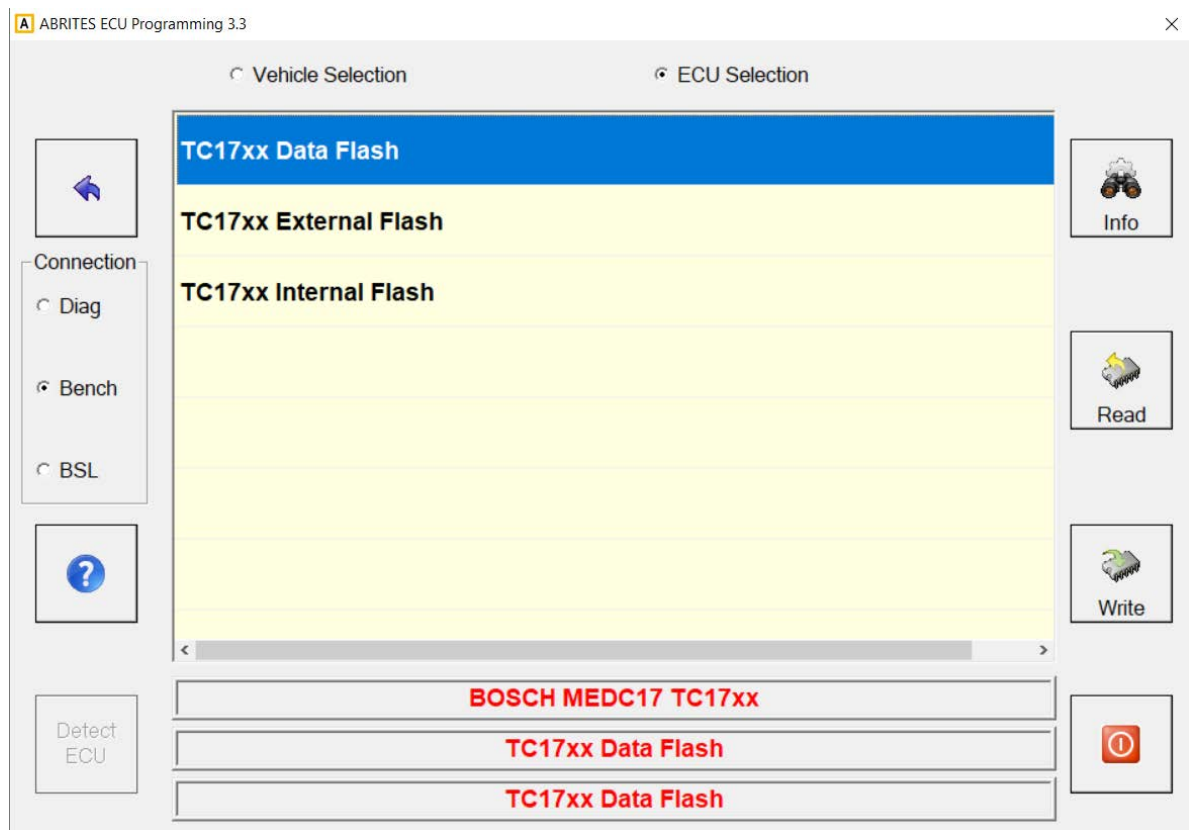
For more information please contact sales@abrites.com.

Select Bench and click on Bosch MEDC17 TC17xx:





Select TC17xx Internal Flash, TC17xx External Flash or TC17xx data Flash, followed by Info, Read or Write. The software will automatically detect the type of the tricore processor:

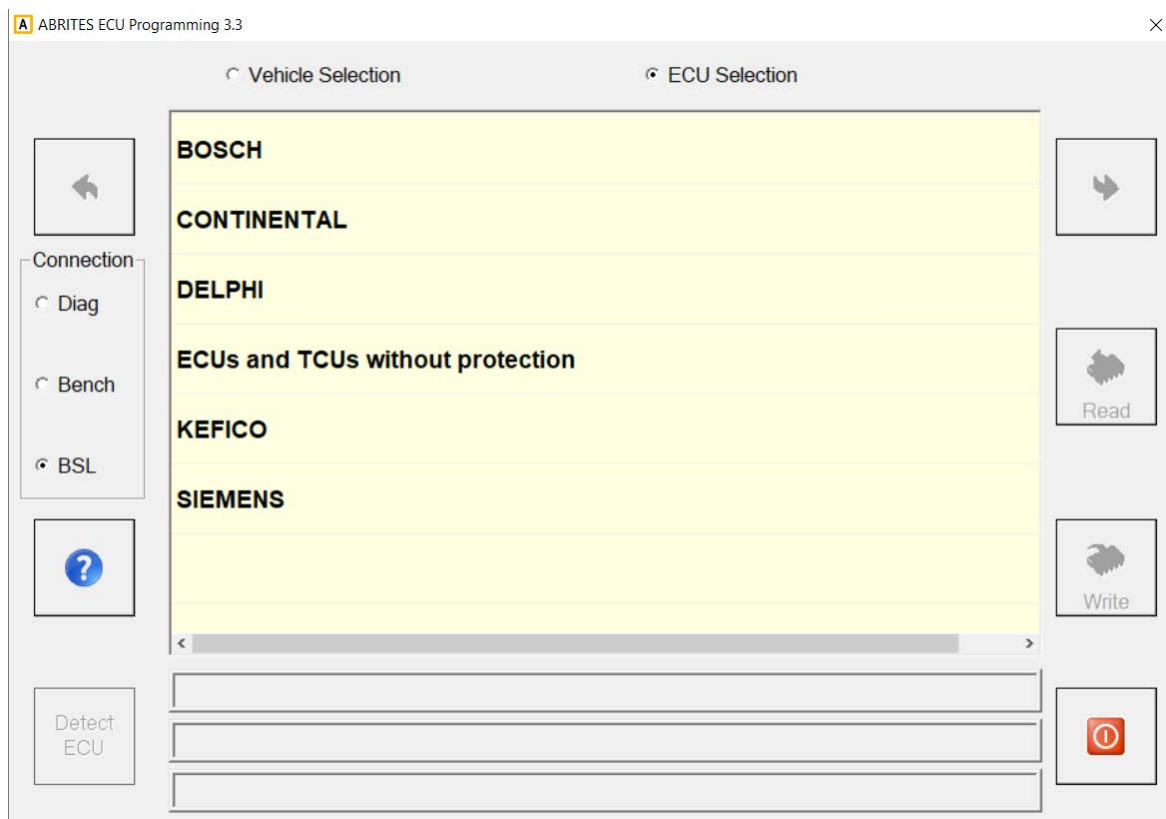


3. BSL

The option BSL is used to read/write the ECU via BOOT mode using the Abrites ZN051 Distribution box.

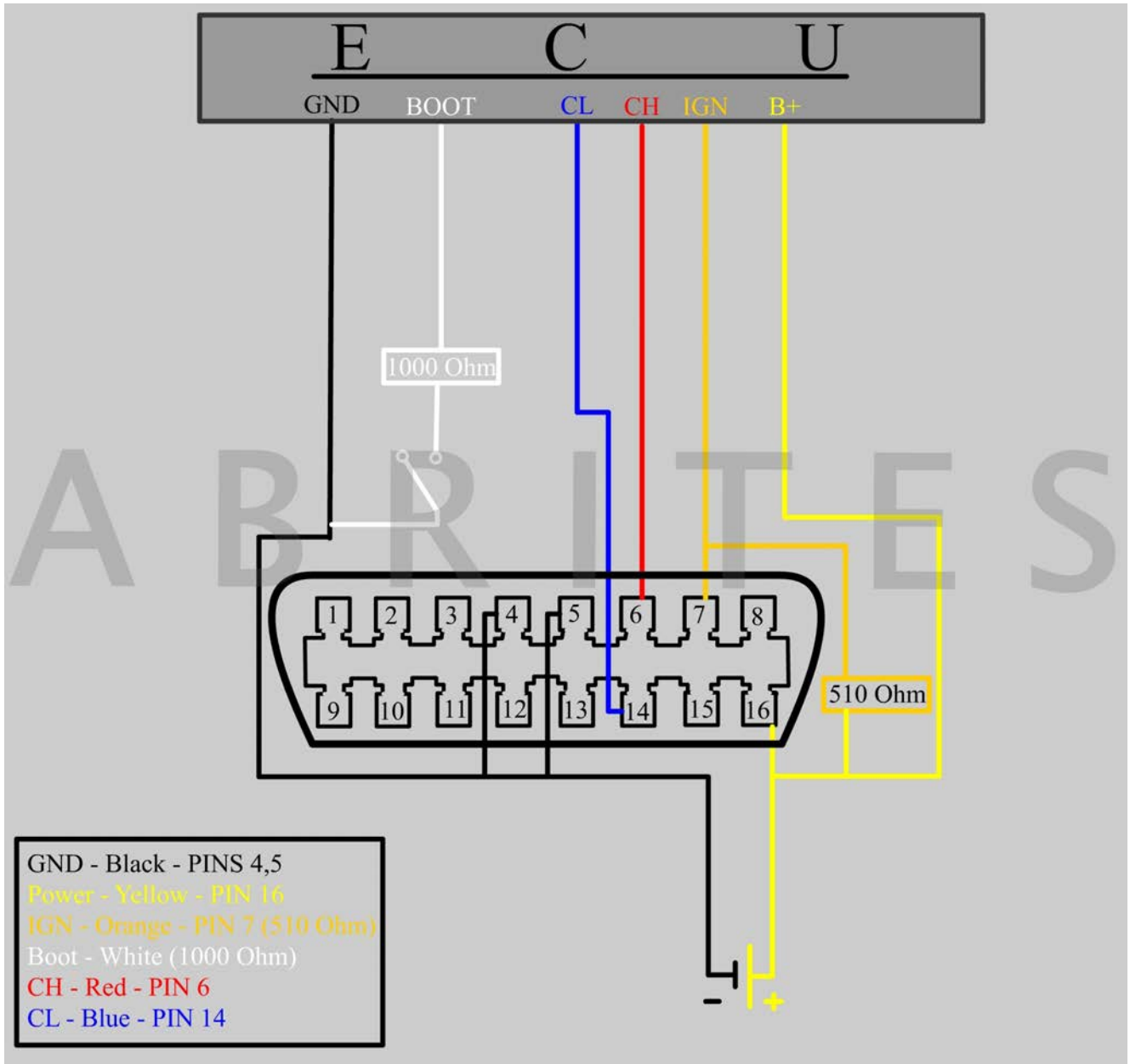
It allows you to read and write the Internal/External/Program Flash and Data flash.

Select BSL and select the ECU brand you are working on:



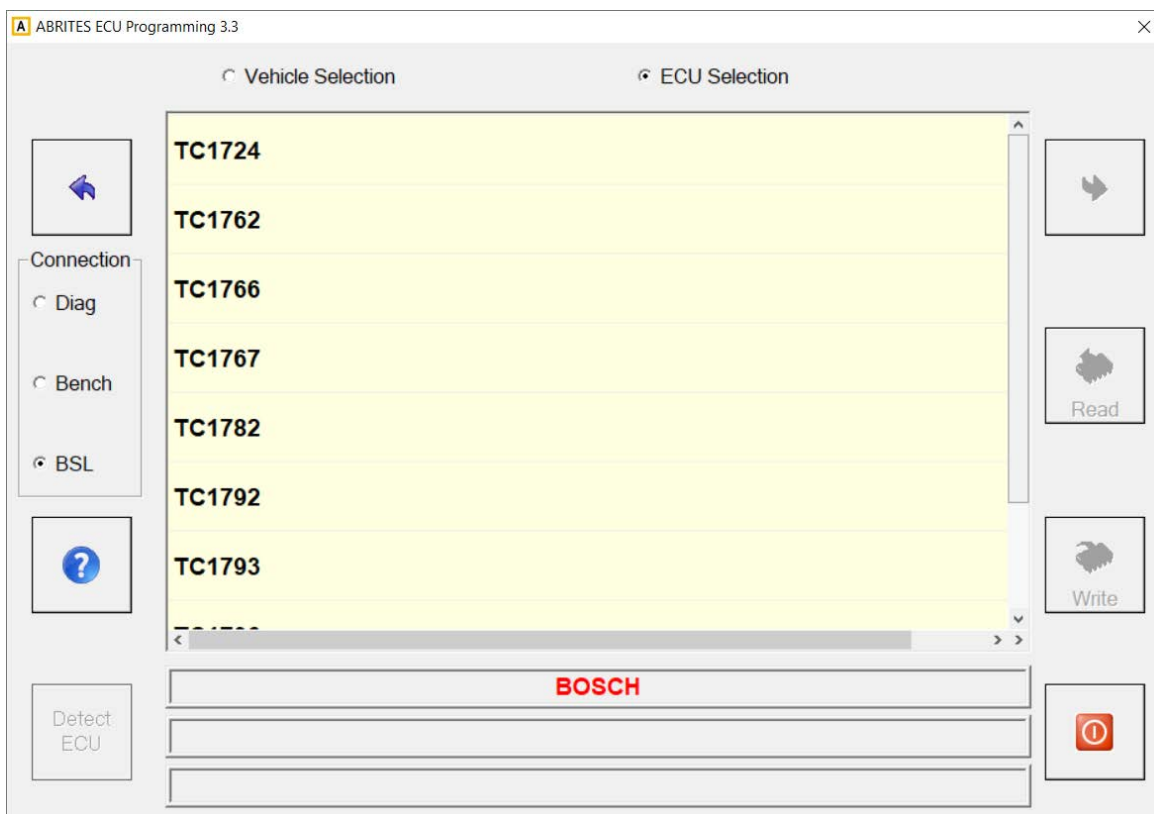
*NB! The ECUs until TPROT8(until 2010/2011) don't require a connection through the Abrites ZN051 Distribution box so if you do not have one, please follow this diagram when reading/writing it:

*NB! It is very important to start with wiring the GND before all other cables to the ECU. This minimises the risk of damage to the unit.

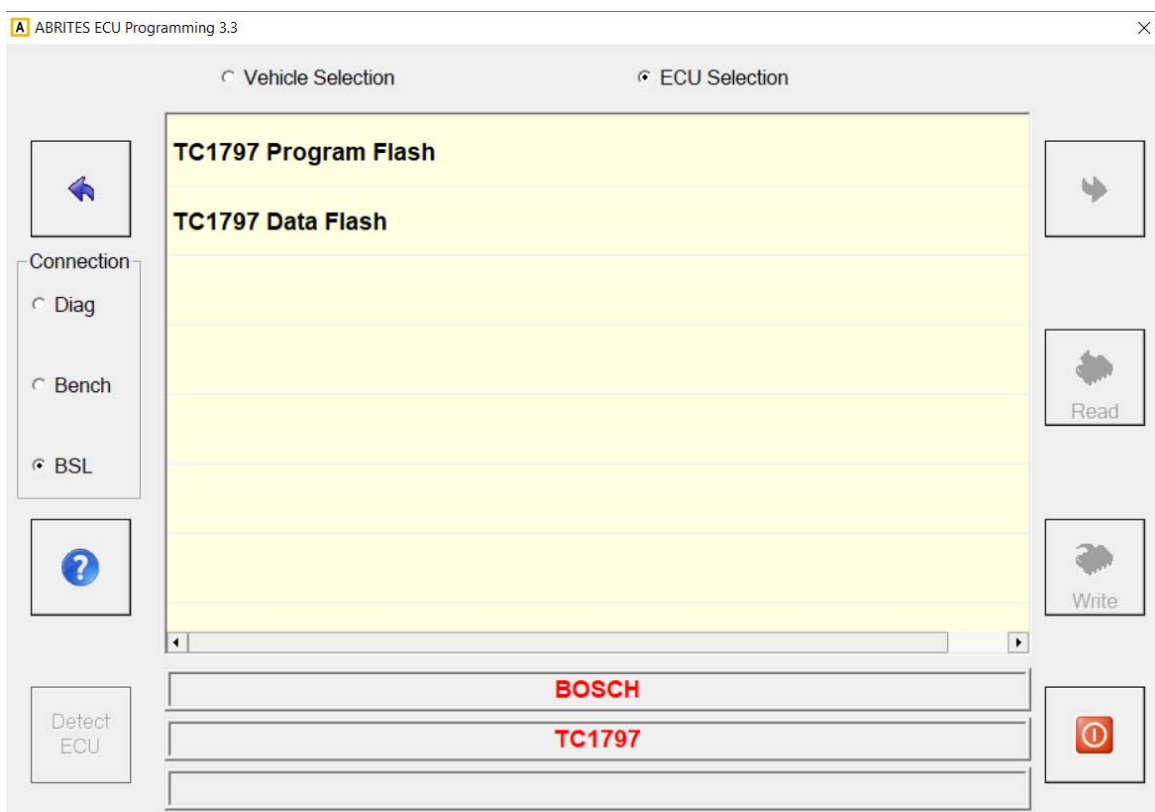


*NB! It is very important to start with wiring the GND before all other cables to the ECU. This minimises the risk of damage to the unit.

Select the processor type of the ECU:



Select Internal Flash/External/Program Flash or Data flash followed by Info, Read or Write:



Connecting your ZN051 (Distribution Box) in order to operate the Abrites ECU PROGRAMMING software



In order for your ECU PROGRAMMING software to be fully operational it requires a ZN051 (Distribution Box). The following are the best practice steps we recommend everyone who wants to use the Abrites ECU PROGRAMMING tool to its full potential.

1. Please connect the distribution box to your AVDI and connect the AVDI to your personal computer where you have your AVDI software installed.
2. Please make sure you always have the latest possible version of the software. If in doubt about what the latest version is please check the news section on the abrites.com website where the news are always up to date. The same location will give you additional instructions should there be any specific additional change to the operation of the ECU PROGRAMMING software.
3. Once your AVDI and distribution box are connected you need to make sure what type of reading you are planning to do. Always start with connecting GND when establishing connection to the unit. The normal procedure would go in the following steps:
 - Try to read the ECU you plan on working on via the OBD. If this fails (not common):
 - Try the so called bench mode of reading, connecting to the ECU's pins only from the outside without opening the ECU and soldering a BOOT pin. This method is described in details in section 4.
 - Should this method also fail then you can move to boot mode reading where you will be required to open the ECU and solder a boot pin to the designated internal position as per the diagrams in this manual.
4. Bench mode method of reading an ECU. Commonly known as "BENCH" method or table connection depending on your region. This method is extremely popular in today's diagnostic ecosystem. Most of our colleagues who work on engine control unit replacement and automotive tuning, as well as those who work with key programming often use this method. It is common and relatively easy to apply to ECUs on almost every contemporary ECU especially the very common EDC17 Tricore type built by Bosch. When you start using the ECU PROGRAMMING tool together with the distribution box to read an ECU via BSL mode you need to make sure that you have the DB15 splitter cable supplied with your ZN051 set connected to your distribution box.

N.B! Please note that there are two distinct types of DB15 cables (the type of ZN051 v. 2.0, 2.1 and 2.2 is different when compared to v.2.3). Please note that this instructions manual is written specifically for the type of DB15 which comes with the v.2.3 distribution box. If your distribution box has been upgraded via the Abrites return upgrade program you probably have the older type of DB15 cables. This means that the colours in the manual do not match the cable you have. If this is the case please make sure to follow the labeling on the DB15 cable when connecting to an ECU. You can easily tell the two types apart as the picture below shows:



When reading an ECU in "Bench connection" mode please note that you can supply the distribution box with 12V from a desk type power supply or any reliable source of 12V. For this purpose your ZN051 distribution box is equipped with a set of cables which can be connected using the standard connectors on both ends. One end goes to the power source and the other - straight into the distribution box positive and negative sockets. Thus your ECU will be supplied with 12V so as to enable the ECU PROGRAMMING software to communicate with it.

N.B.! Please make sure to follow these steps when working on "BENCH":

- AVDI connected to PC
- ZN051 connected to AVDI

N.B! Please be informed the DB15 cable that is part of the Distribution Box set needs to be disconnected from the power supply during the wiring process of the unit.

- Please use the pinouts supplied in this manual to connect the DB15 to the ECU, then connect the DB15 to the distribution box and then supply the distribution box with the external 12V from your power source.

VERY IMPORTANT: The 5V supplied to the ECU by the AVDI WILL NOT be enough for the ECU to operate.

5. BSL (bootstrap loader - <https://en.wikipedia.org/wiki/Bootstrapping>)

If the above methods fail you will need to open the ECU and solder a "boot pin" to the ECU's designated location as per the diagrams. ZN051 distribution box and the DB15 supplied in the set include a boot pin as well as a full set of resistors which will also be required. Every diagram shows the resistor requirements as well as the exact location. Please be EXTREMELY CAUTIOUS when using this method and make sure all your wiring is 100% before attempting boot reading.

III. Wiring diagrams

In the Wiring Diagrams section you will find the connection methods for wiring the ECUs on bench by either using bench or boot mode. ECUs that don't allow to be read by the bench method (this method excludes boot mode), need to be opened and read by boot mode.

New CB401 DB15 cable Legend:

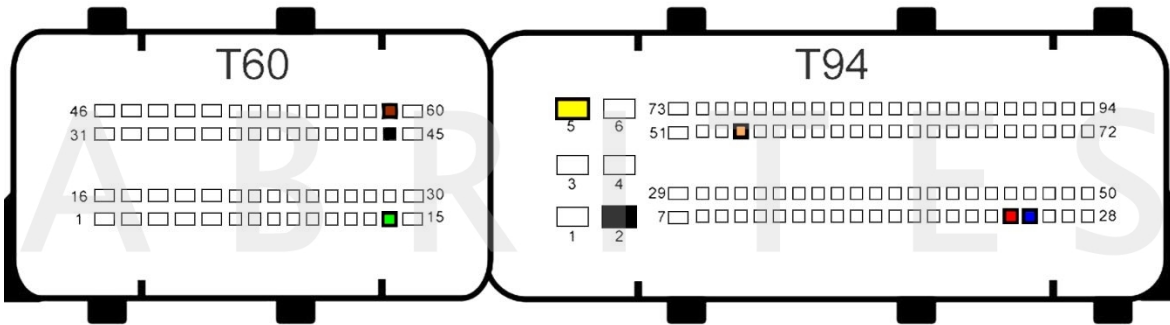
Power - **Yellow** (B+)
IGN - **Orange** (IGN)
GND - **Black** (GND)
CAN HI - **Red** (CAN6)
CAN LOW - **Blue** (CAN14)
T1 - **Brown** (T1)
T2 - **Green** (T2)
Boot - **White**

N.B! ZN051 Distribution Box with version 2.2 or lower has a DB15 cable that uses different colors from ZN051 v2.3 or higher. The legend for ZN051 v2.2 or lower uses the following colors found in the legend below:

Old DB15 cable Legend:

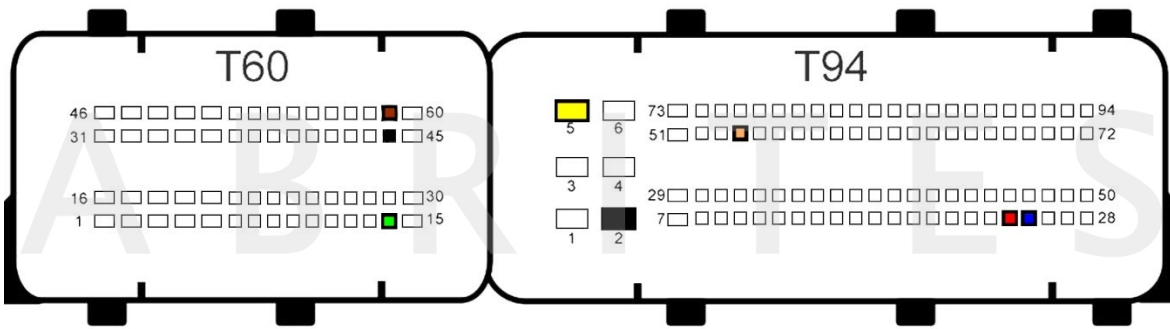
Power - **Yellow** (B+)
IGN - **Yellow/PINK** (IGN)
GND - **Black** (GND)
CAN HI - **Red** (CAN6)
CAN LOW - **Blue** (CAN14)
T1 - **Green/Brown** (T1)
T2 - **Green** (T2)
Boot - **White**

Aebi Schmidt BOSCH EDC17C49 TC1797 - Bench connection:

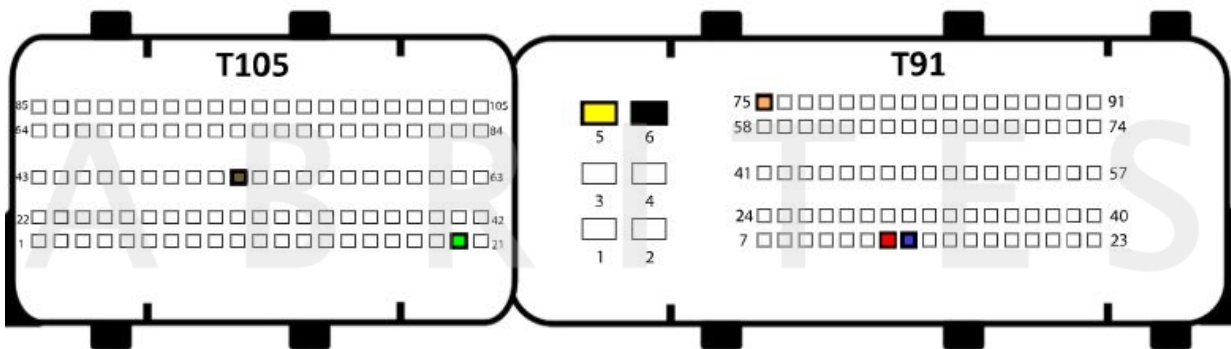


Alfa Romeo

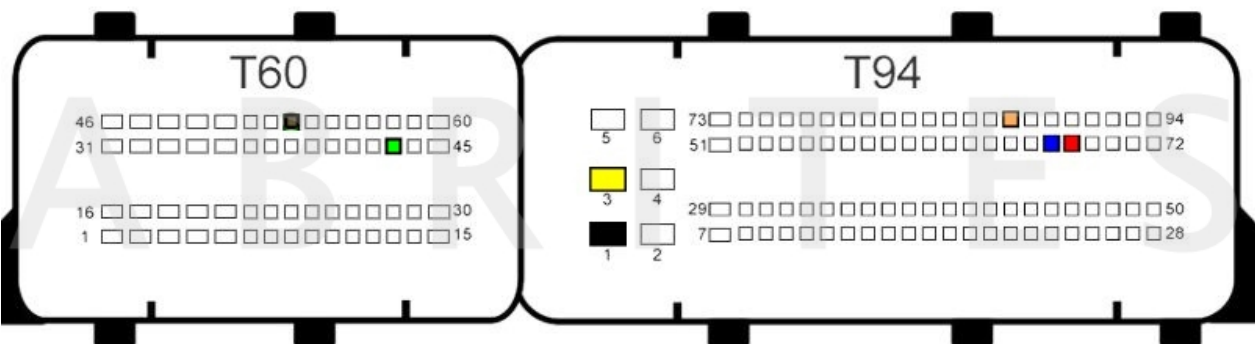
BOSCH EDC17C49 TC1797 - Bench connection:



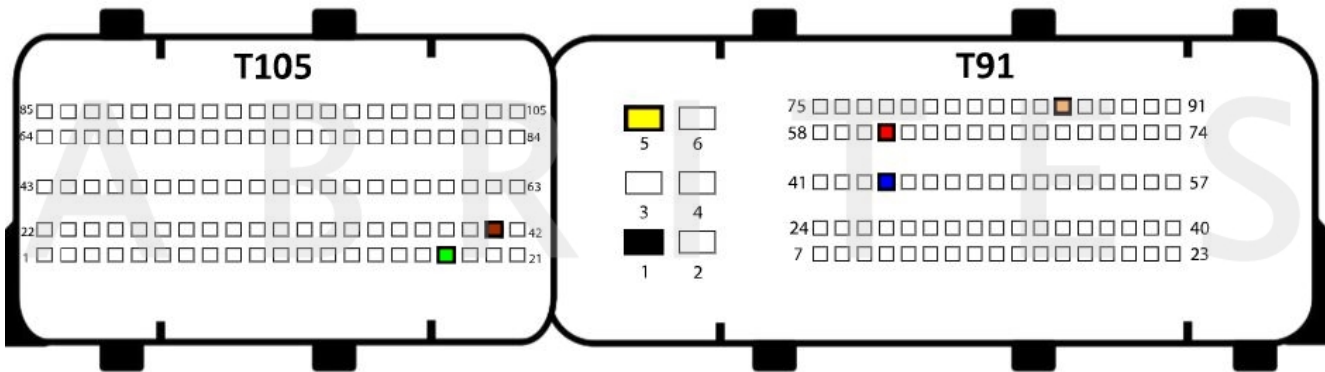
BOSCH EDC17C69 TC1793 - Bench connection:



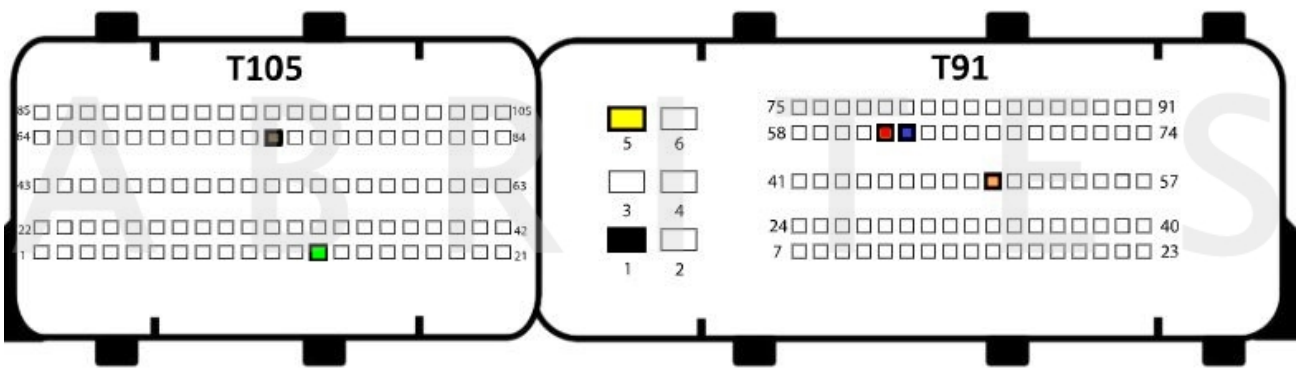
BOSCH MED17.3.1 TC1766 - Bench connection:



BOSCH MED17.3.3 TC1793 - Bench connection:

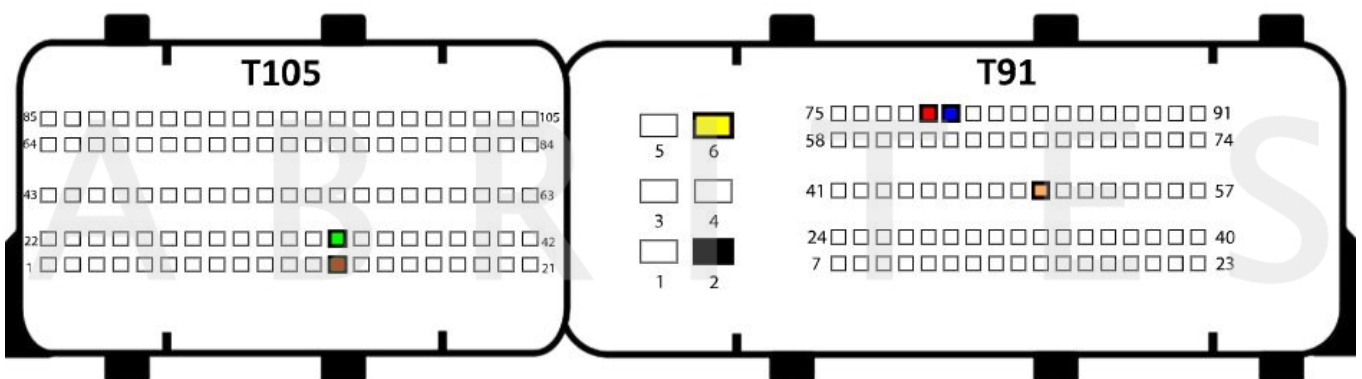


BOSCH MED17.3.5 TC1793 - Bench connection:



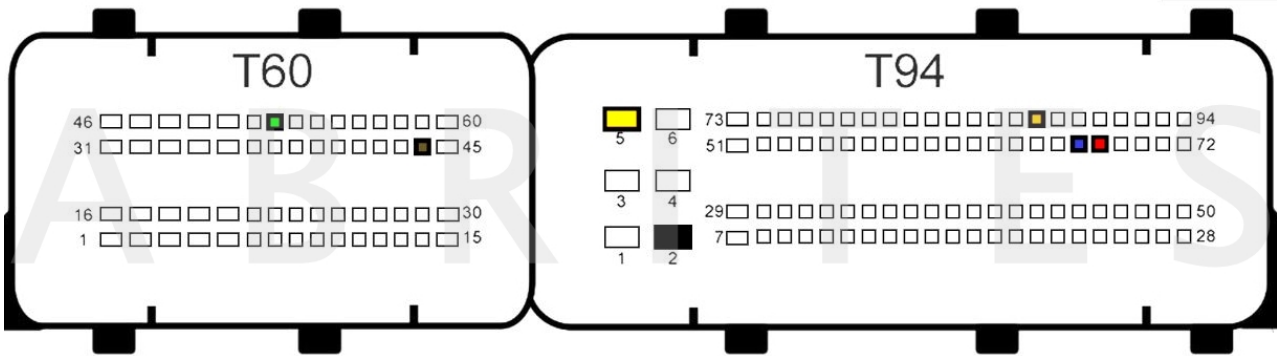
Aston Martin

BOSCH ME17.8.31 TC1797 - Bench connection:



Audi

BOSCH EDC17C46 TC1767 - Bench connection:



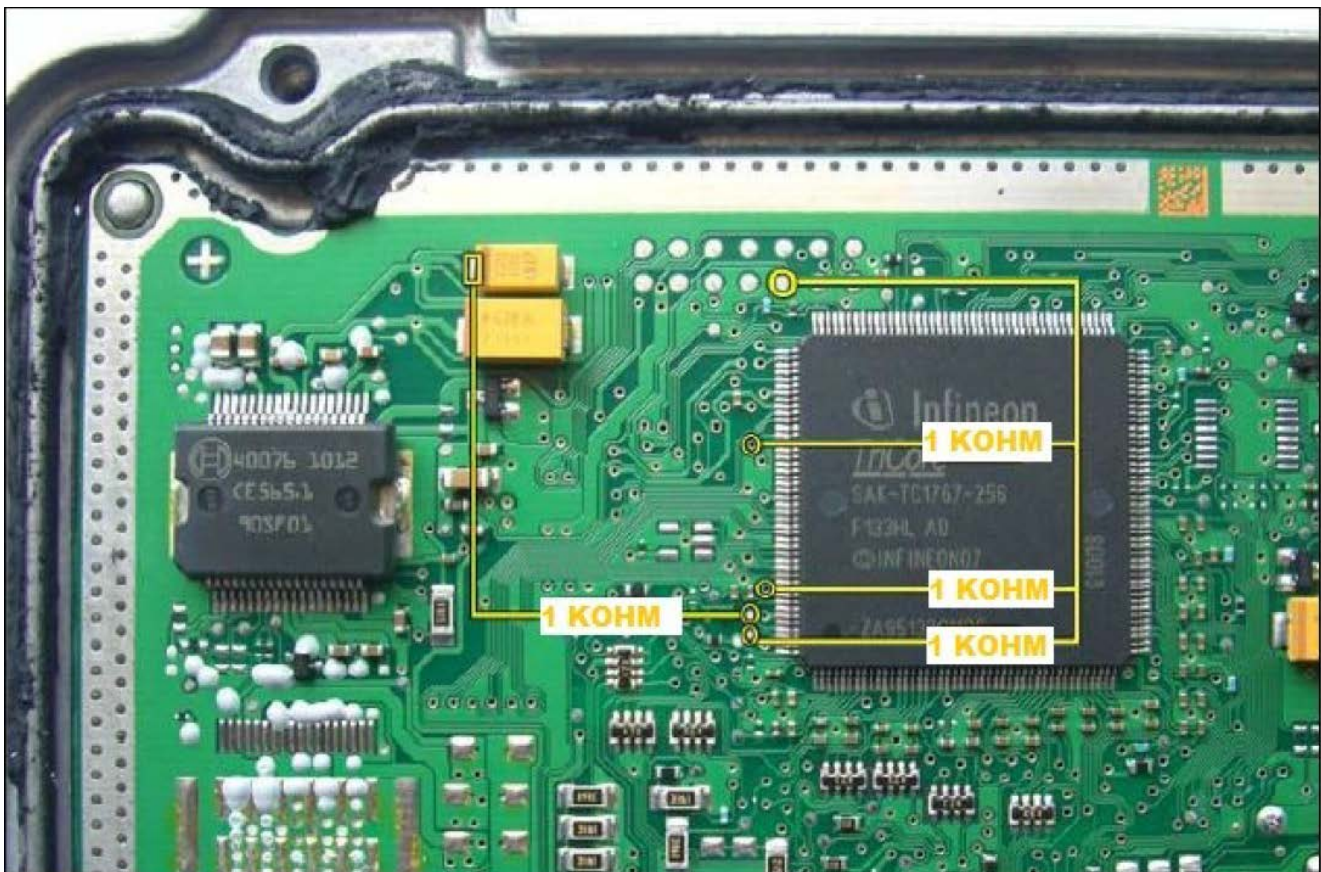
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

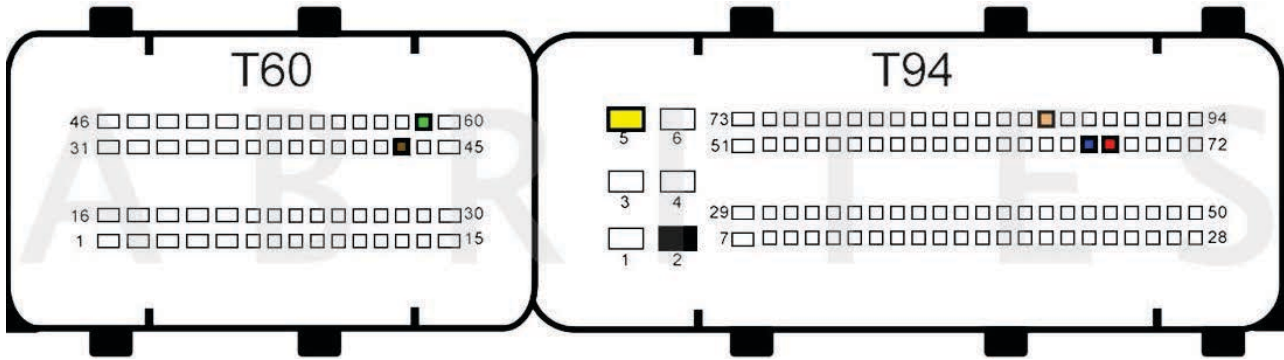
Old DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17C46 TC1767 - BSL connection:



BOSCH EDC17C64 TC1797 - Bench connection:



New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

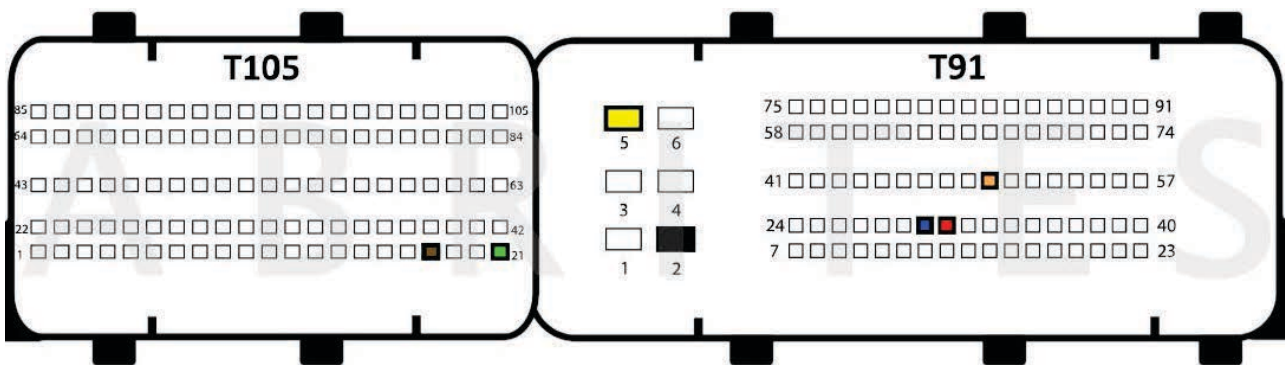
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17C64 TC1797- BSL connection:

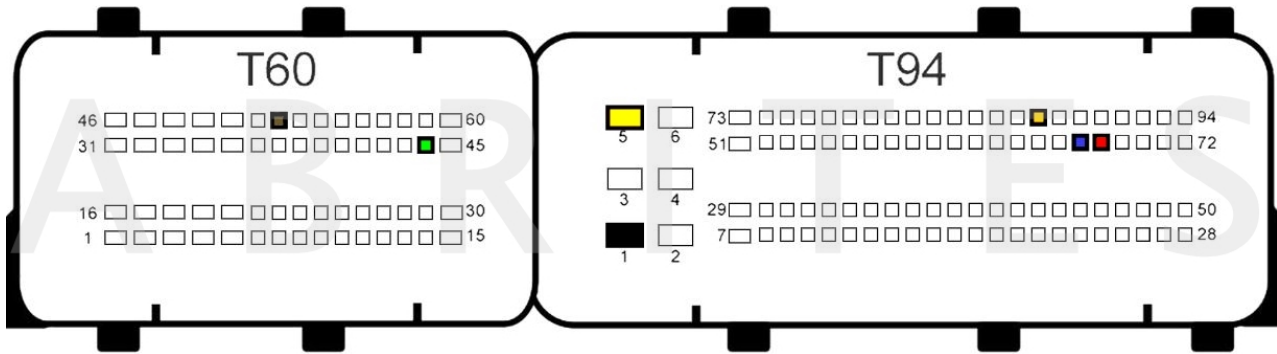


*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17C74 TC1793 - Bench connection:



BOSCH EDC17CP04 TC1796 - Bench connection:



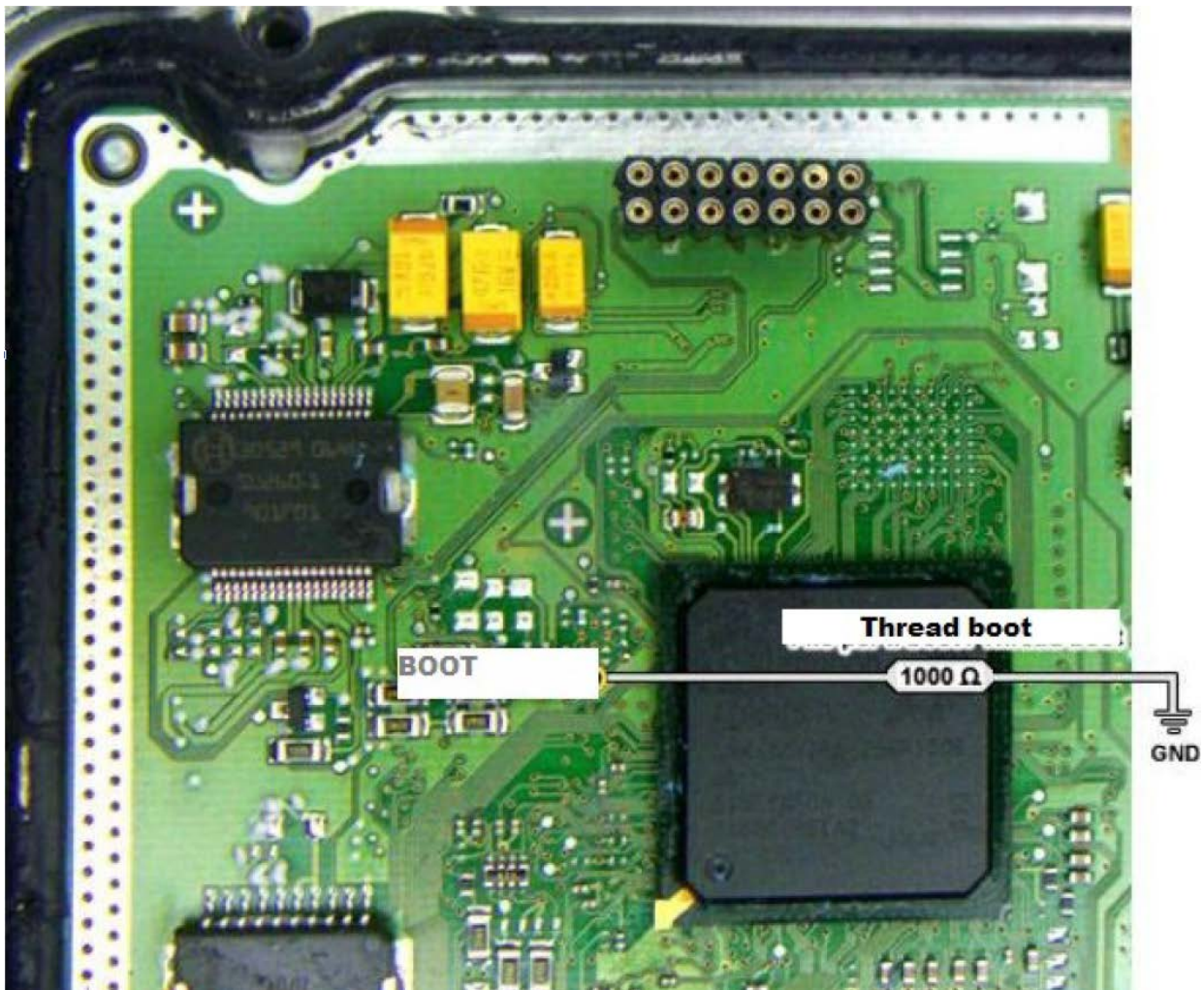
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

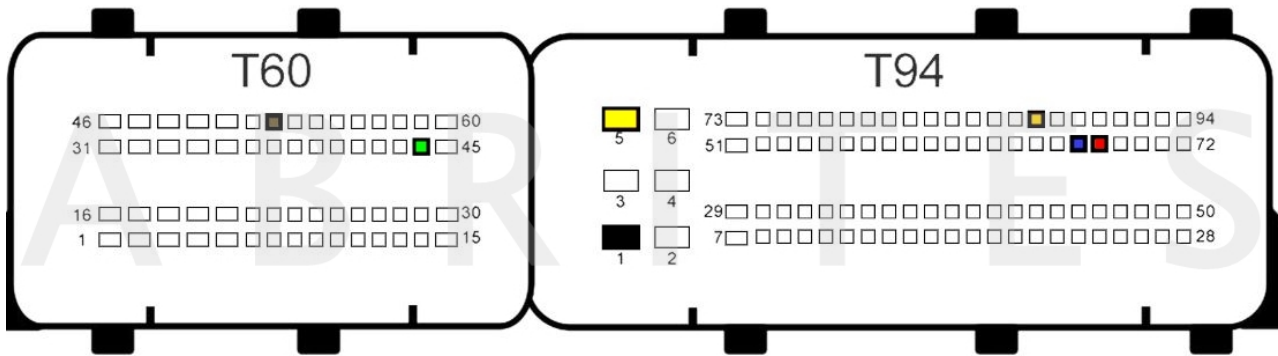
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP04 TC1796 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17CP20 TC1796 - Bench connection:



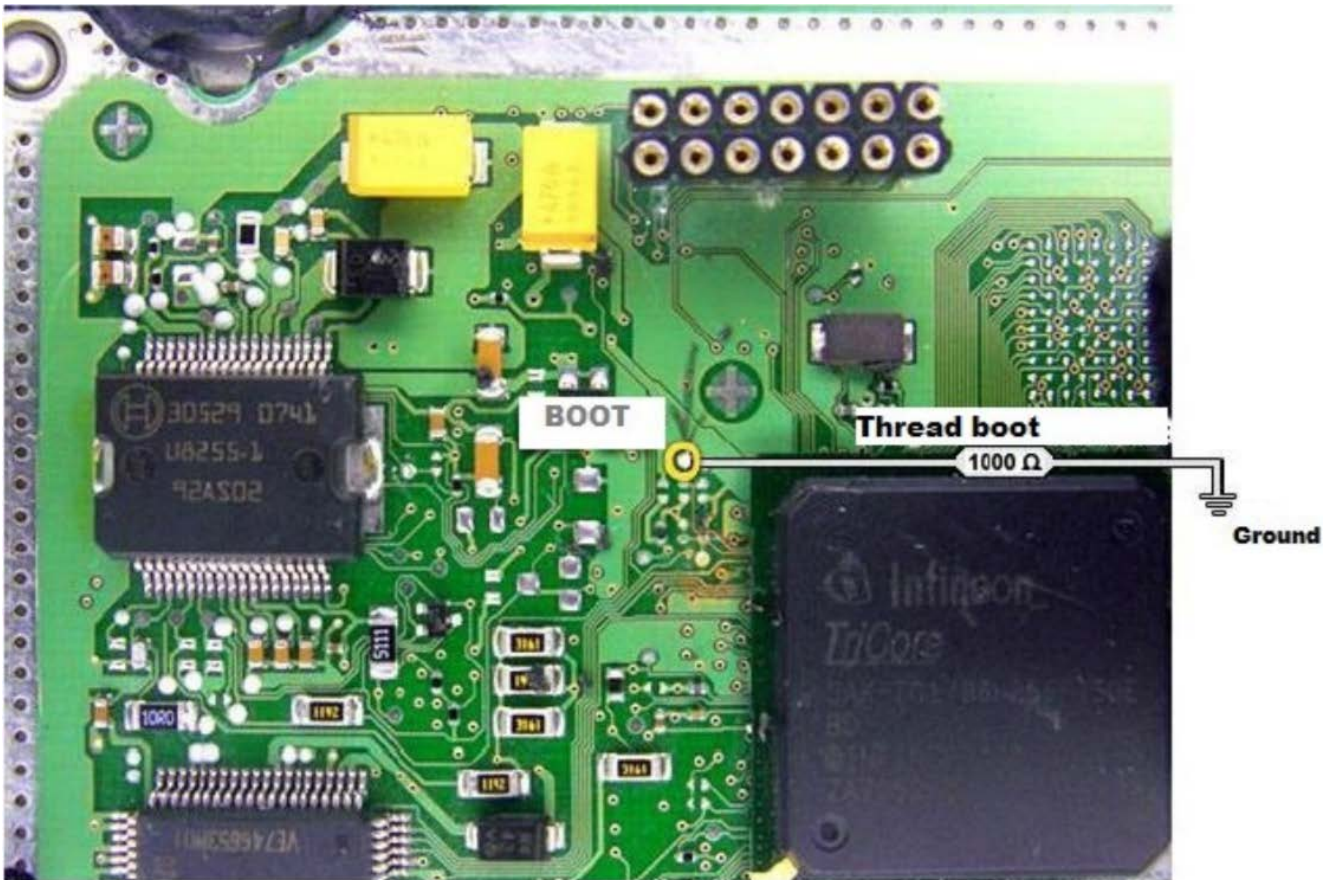
New CB401 DB15 cable Legend:

Power - **Yellow** (B+)
IGN - **Orange** (IGN)
GND - **Black** (GND)
CAN HI - **Red** (CAN6)
CAN LOW - **Blue** (CAN14)
 Boot - **White**

Old DB15 cable Legend:

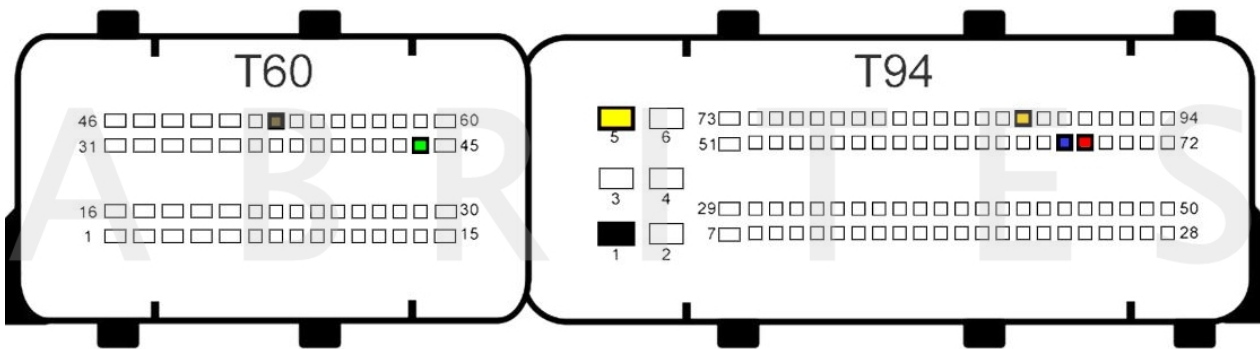
Power - **Yellow** (B+)
IGN - **Yellow/PINK** (IGN)
GND - **Black** (GND)
CAN HI - **Red** (CAN6)
CAN LOW - **Blue** (CAN14)
 Boot - **White**

BOSCH EDC17CP20 TC1796 - BSL Connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17CP24 **SLAVE** TC1796/ BOSCH EDC17CP24 **MASTER**
TC1796 - Bench connection:



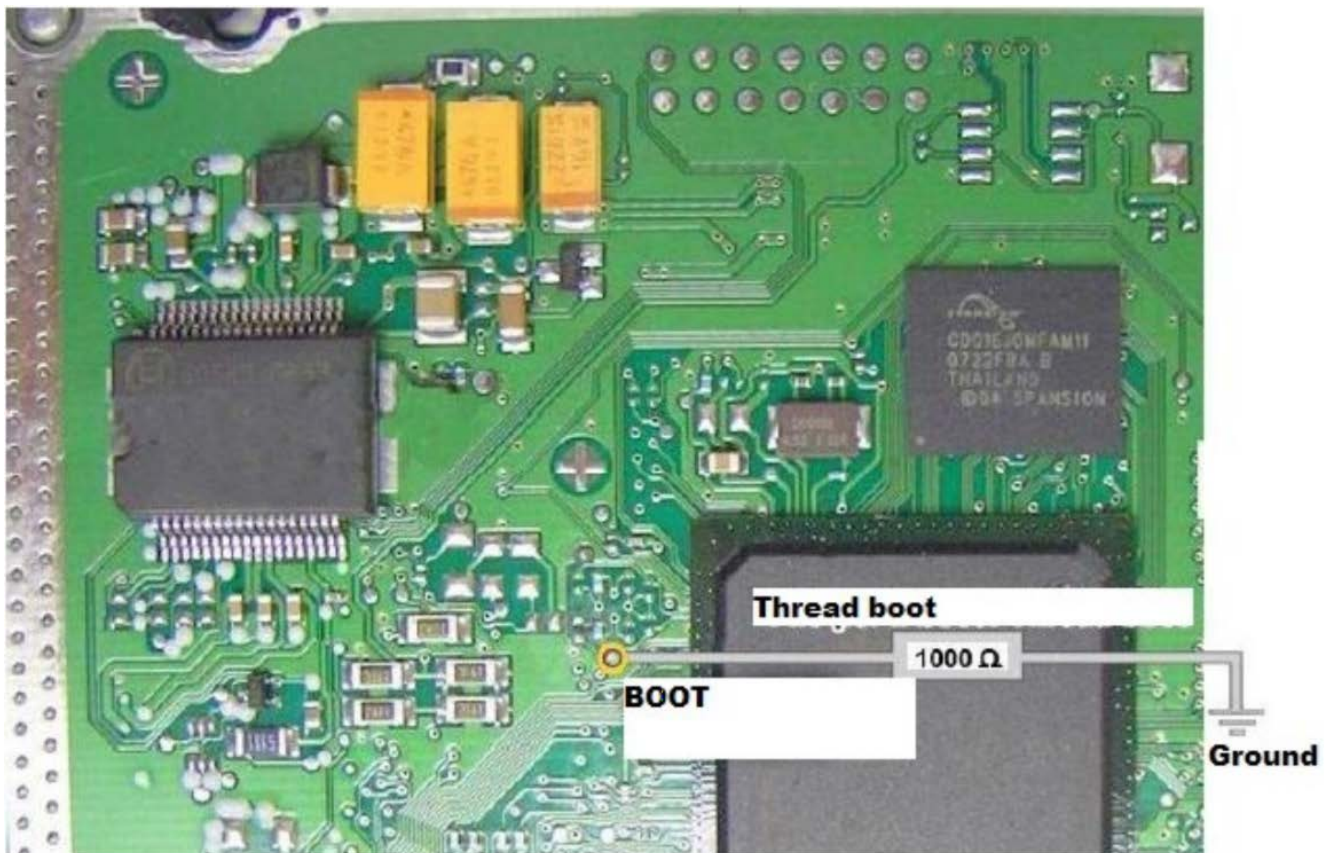
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

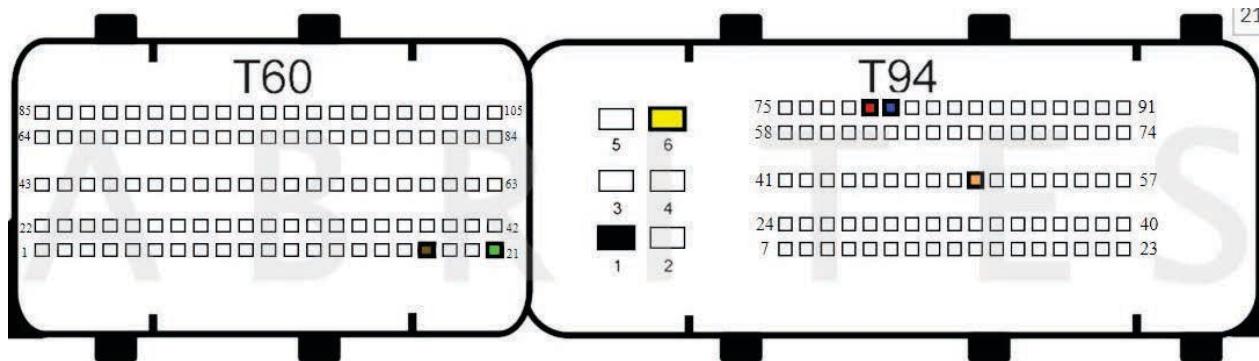
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP24 TC1796 - BSL Connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17CP44 MASTER TC1797 - Bench connection:



New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

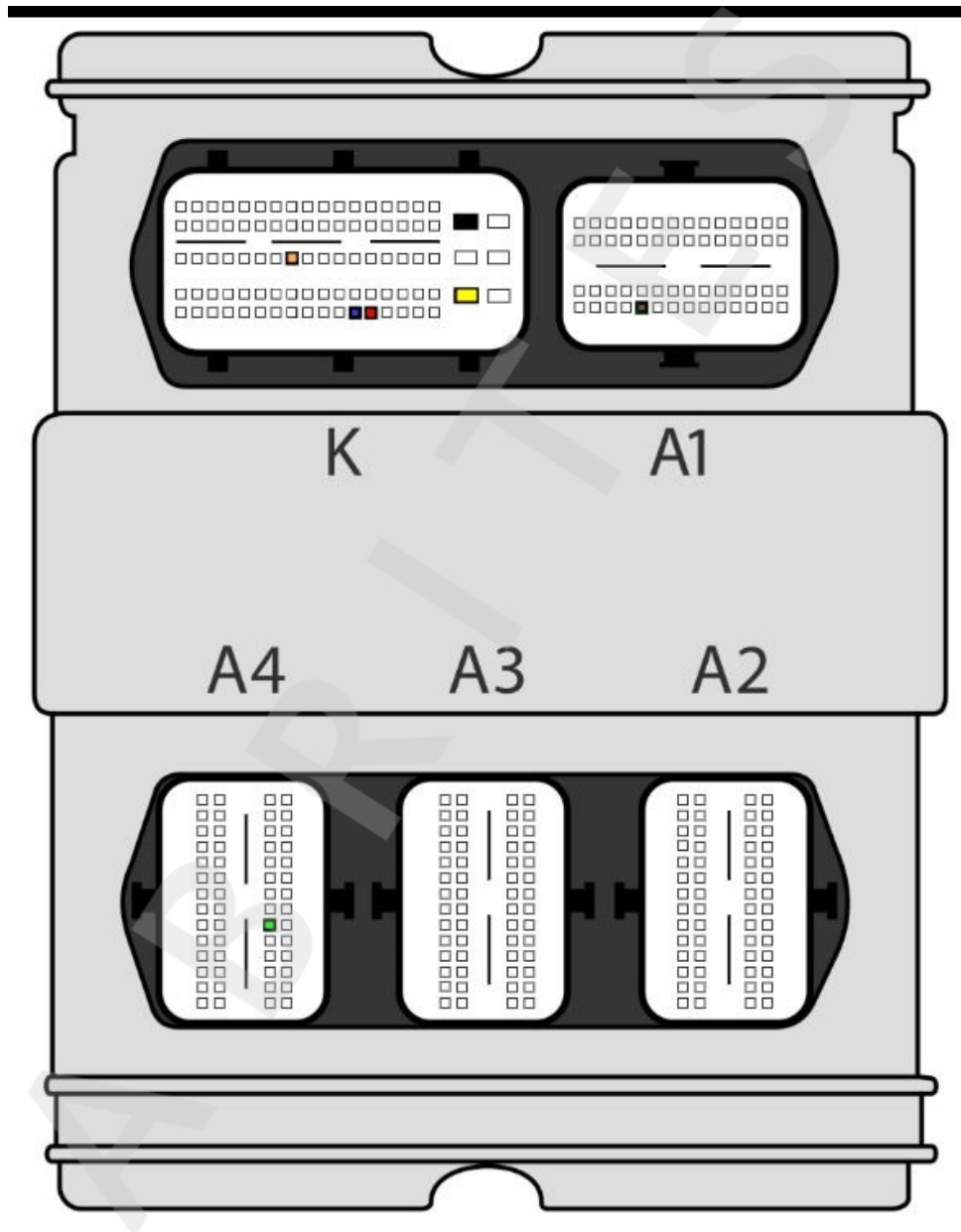
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP44 MASTER TC1797 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

EDC17CP54 TC1793 - Bench connection:



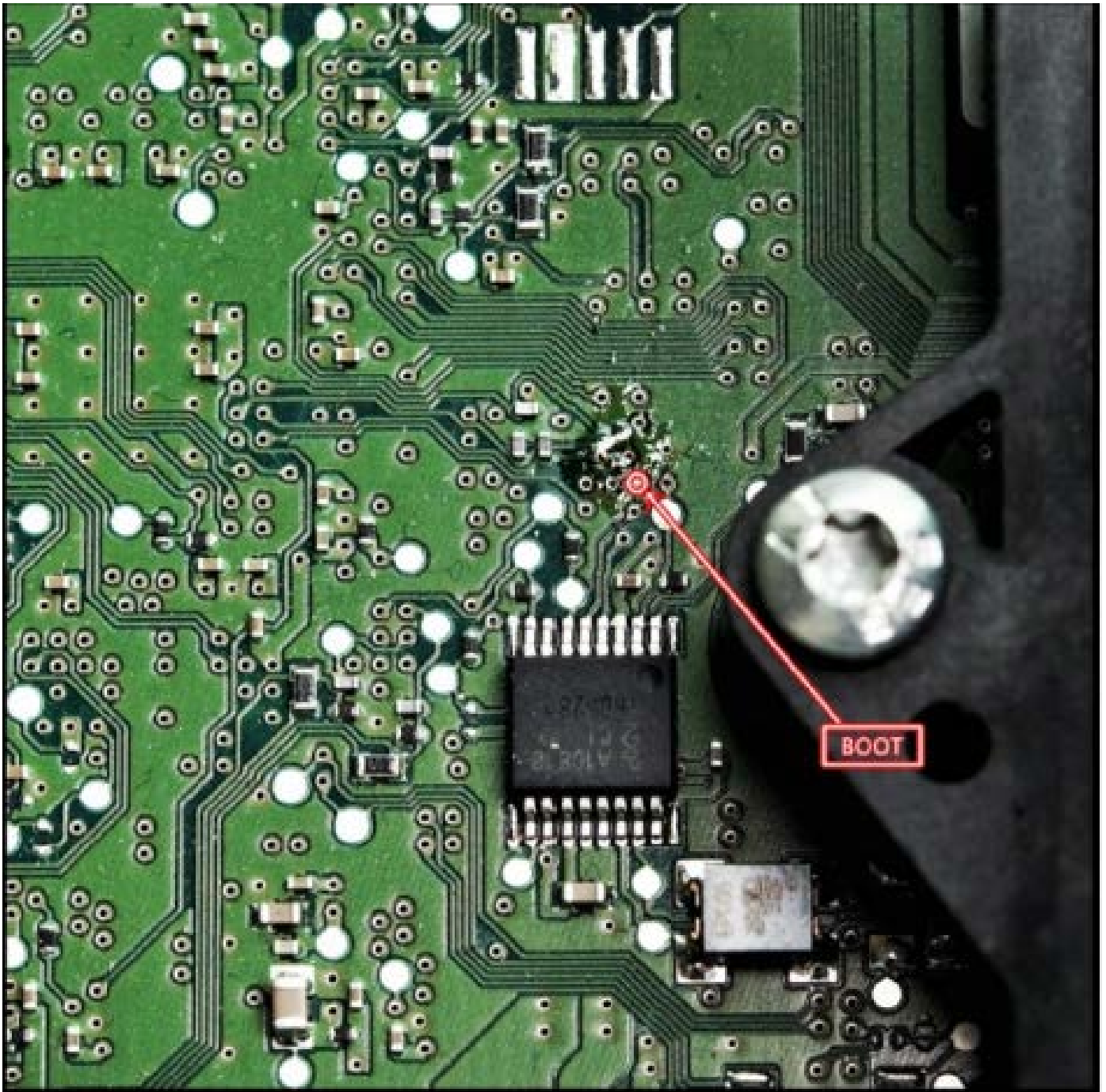
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

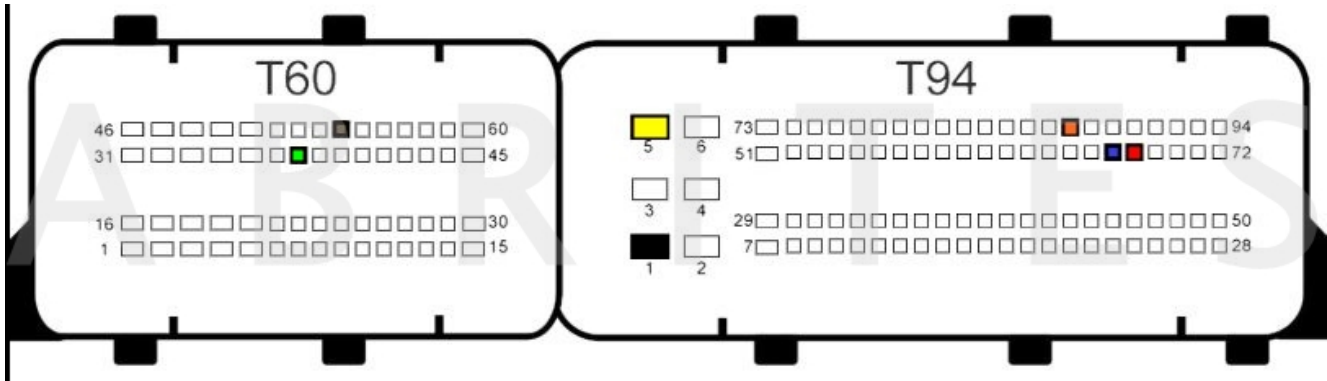
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

EDC17CP54 TC1793- BSL Connection:

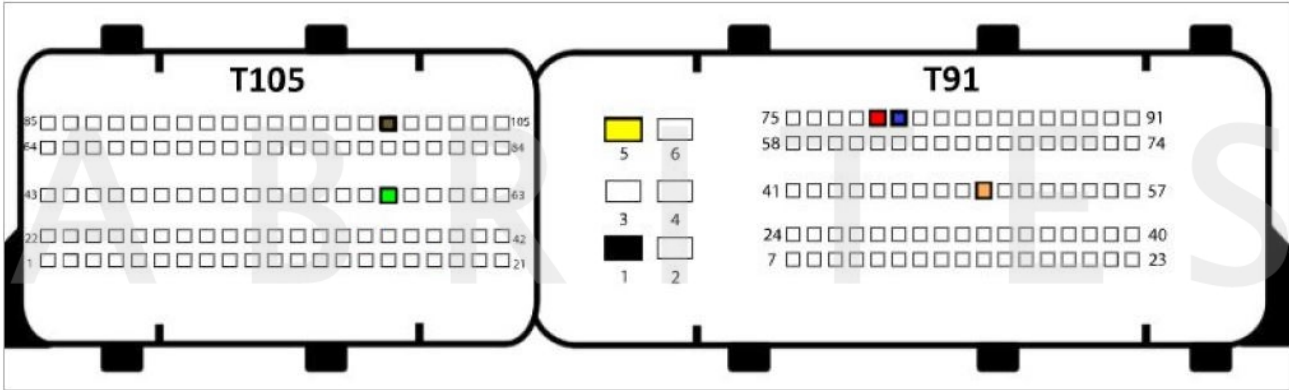


*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

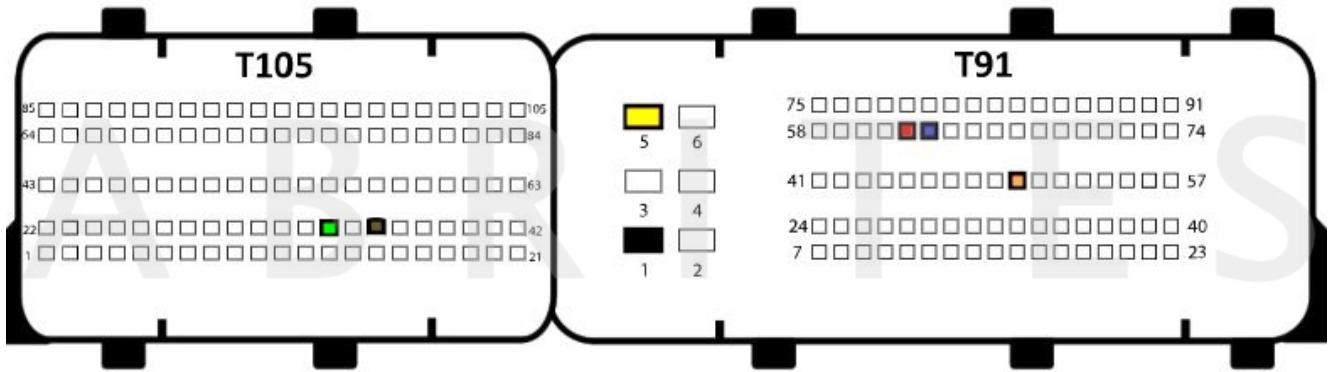
BOSCH MED17.1 TC1796 - Bench connection:



BOSCH MED17.1.1 MASTER TC1797 - Bench connection:



BOSCH MED17.1.1 TC1796 - Bench connection:



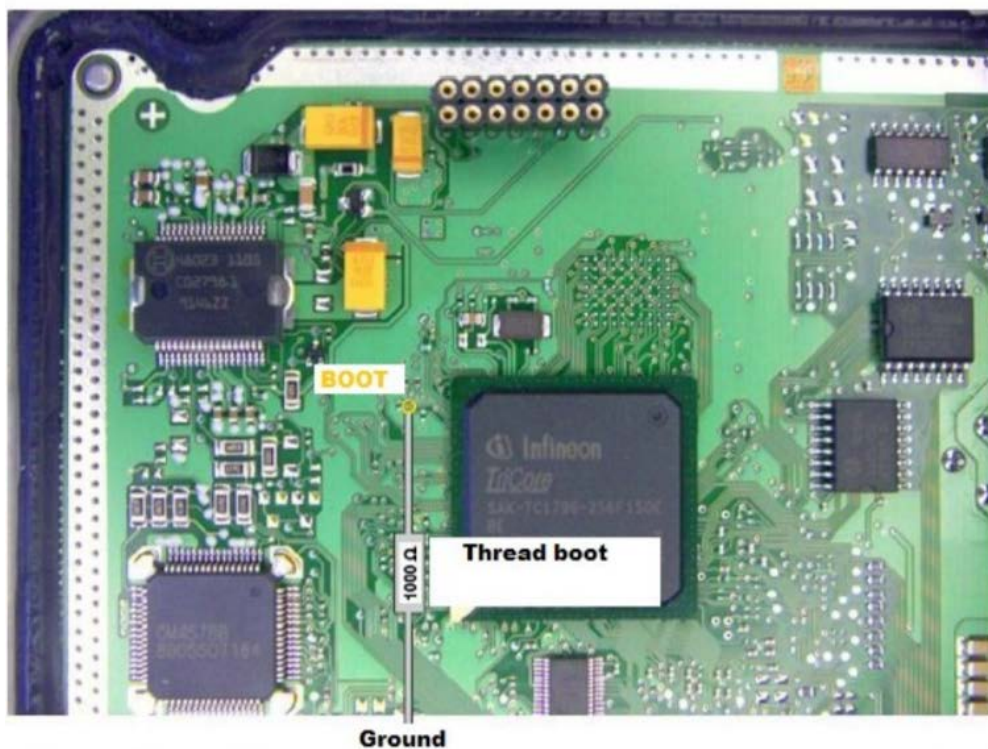
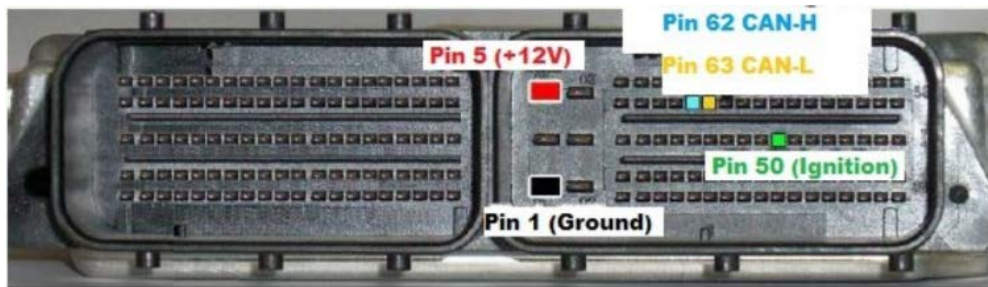
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

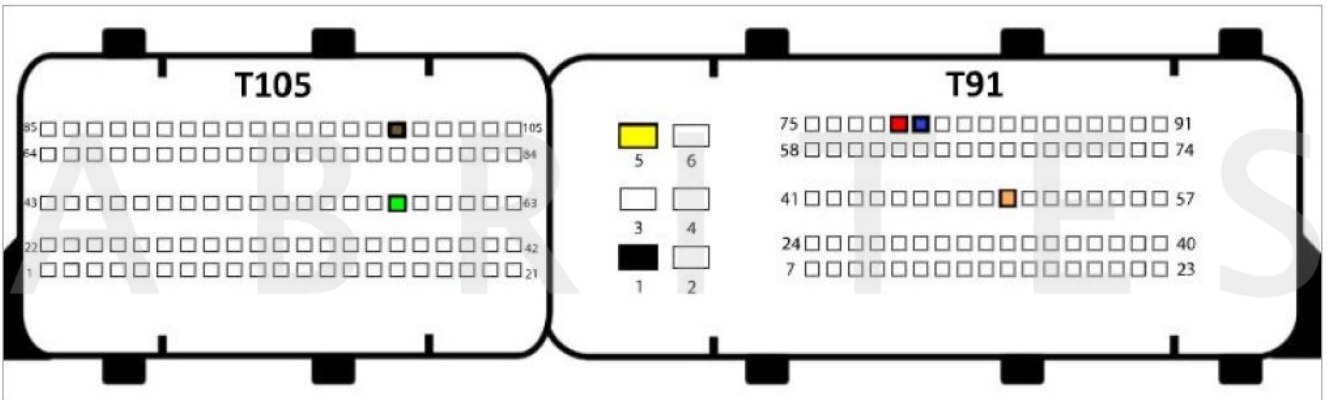
Old DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

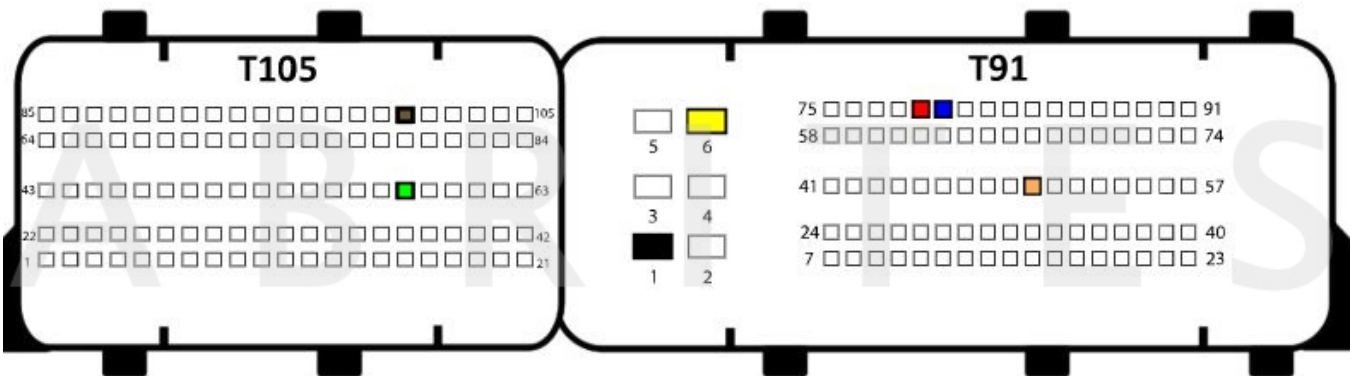
BOSCH MED17.1.1 TC1796 - BSL connection:



BOSCH MED17.1.1 TC1797 - Bench connection:

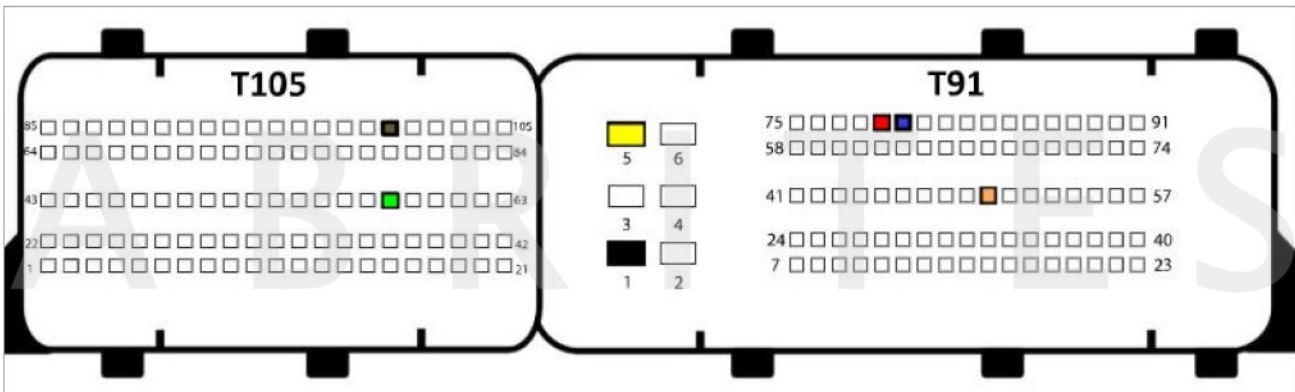


BOSCH MED17.1.10 TC1793 - Bench connection:

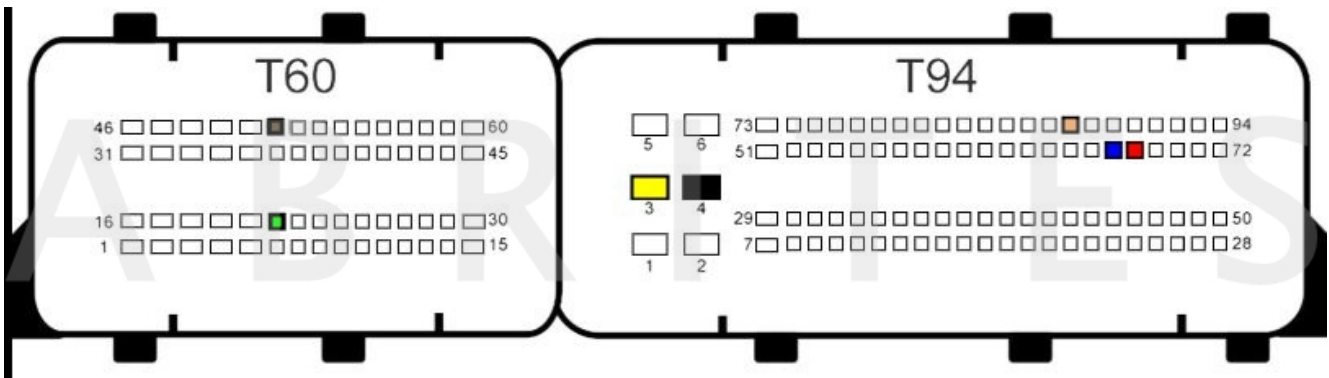


BOSCH MED17.1.1HW03 TC1797 - Bench connection:

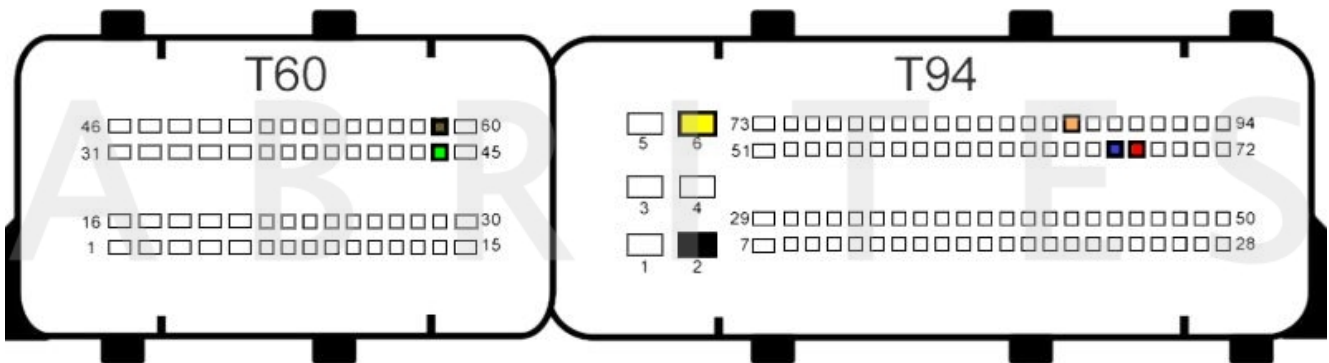
BOSCH MED17.1.1 HW51-52 TC1797 - Bench connection:



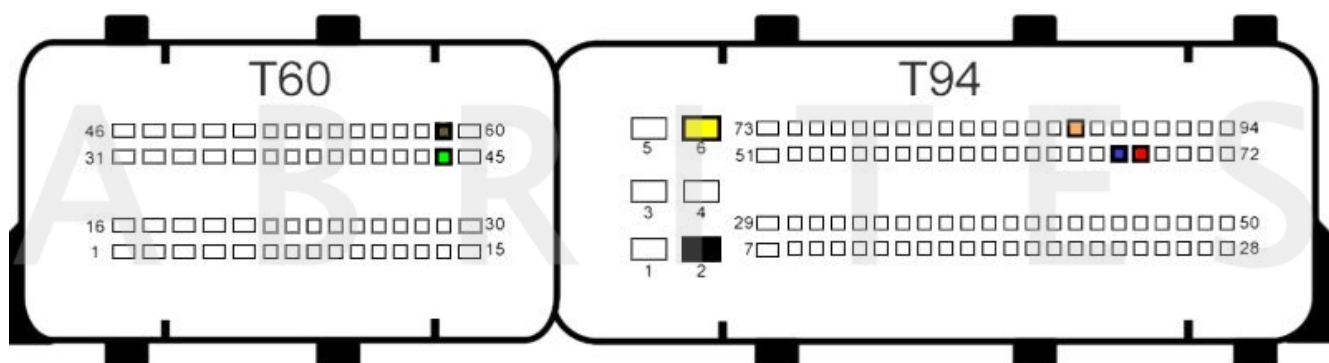
BOSCH MED17.1.21 TC1793 - Bench connection:



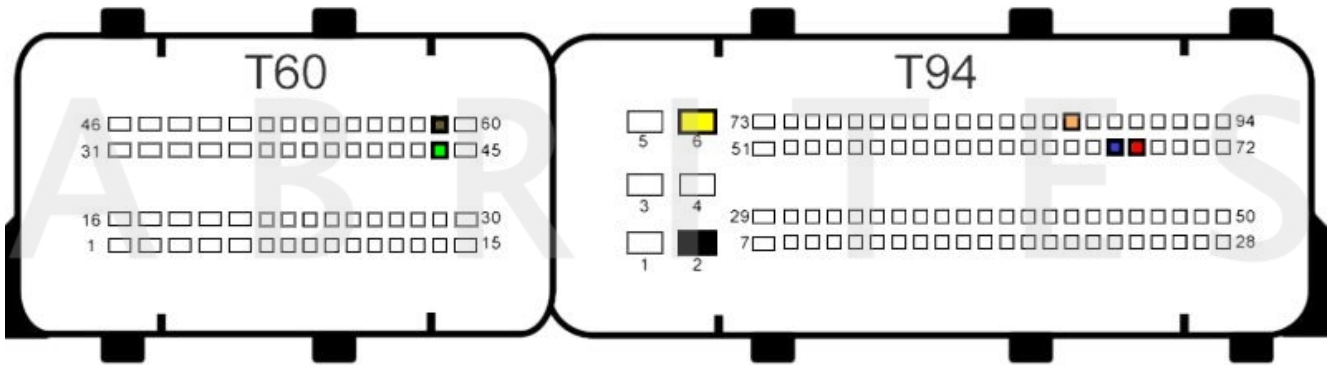
BOSCH MED17.1.6 MASTER TC1797 - Bench connection:



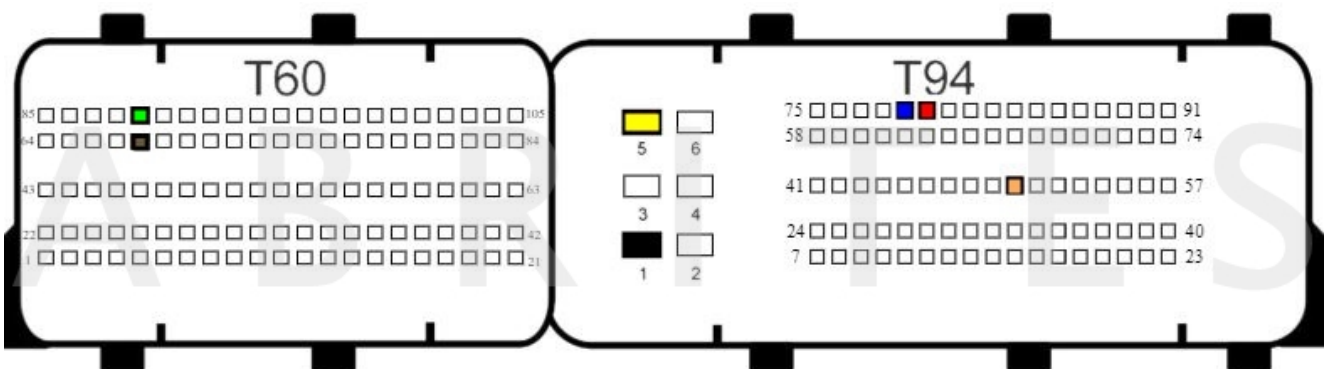
BOSCH MED17.1.6 SLAVE TC1797 - Bench connection:



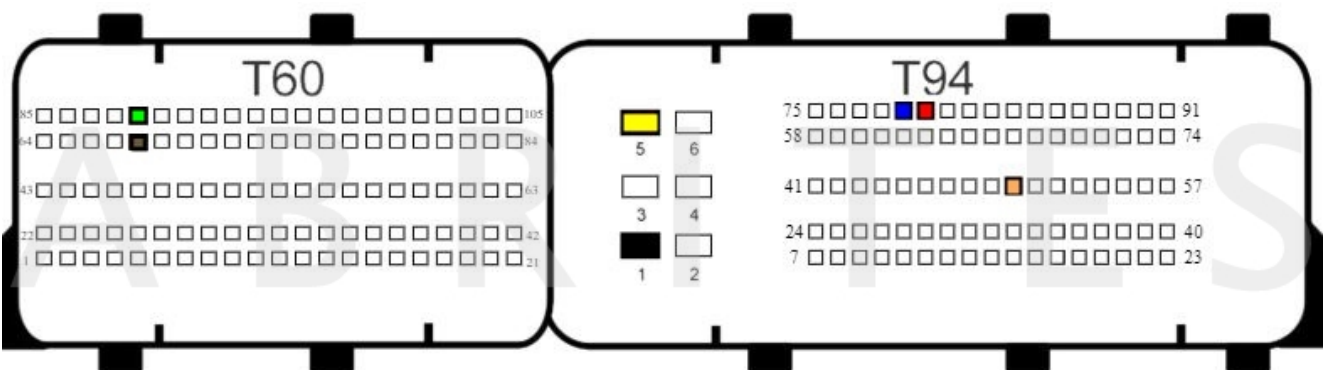
BOSCH MED17.1.6 TC1797 - Bench connection:



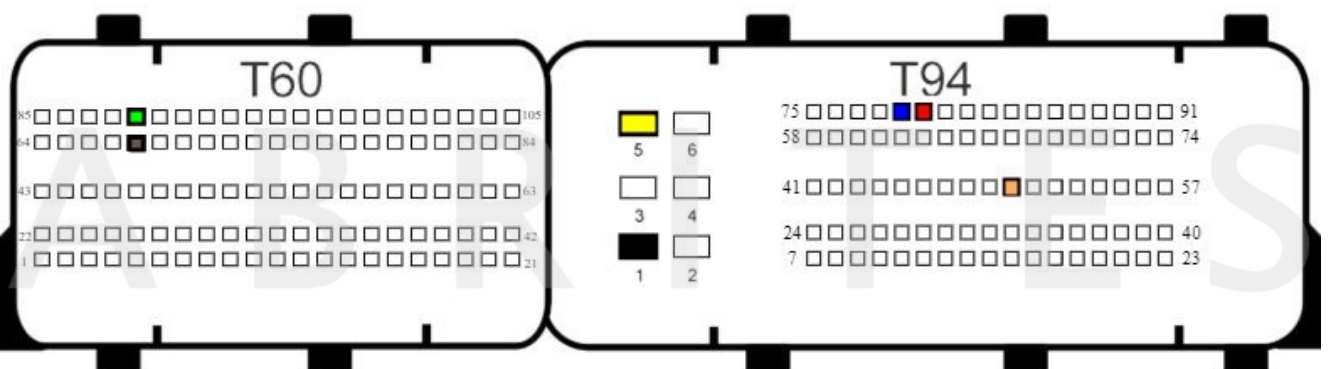
BOSCH MED17.1.61 MASTER TC1793 - Bench connection:



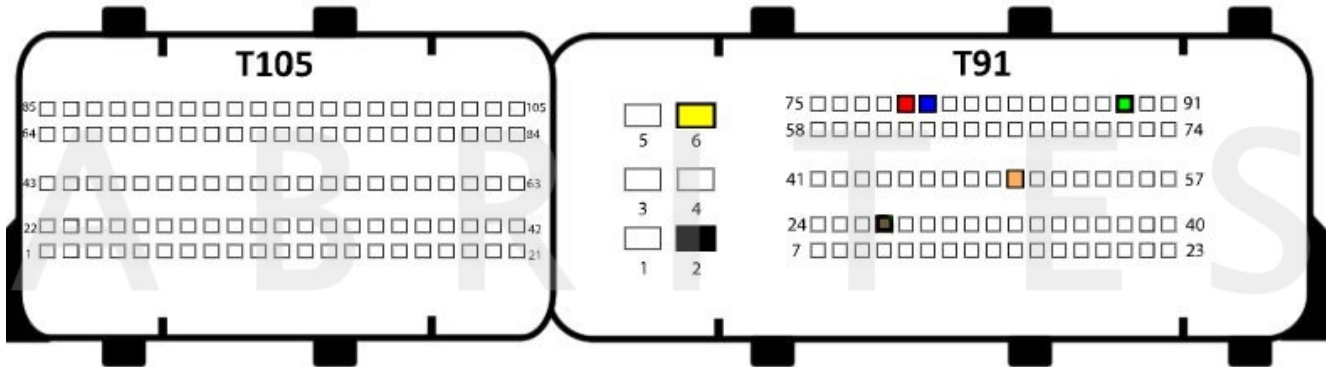
BOSCH MED17.1.61 SLAVE TC1793 - Bench connection:



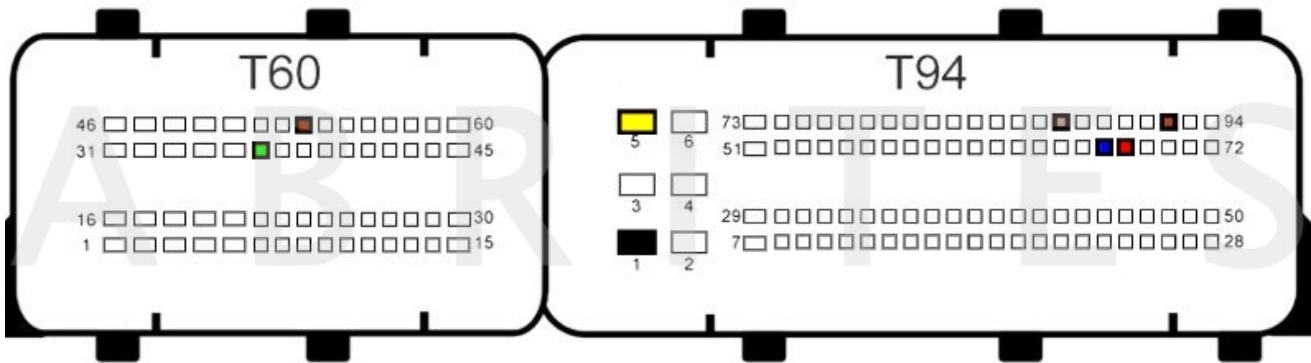
BOSCH MED17.1.61 TC1793 - Bench connection:



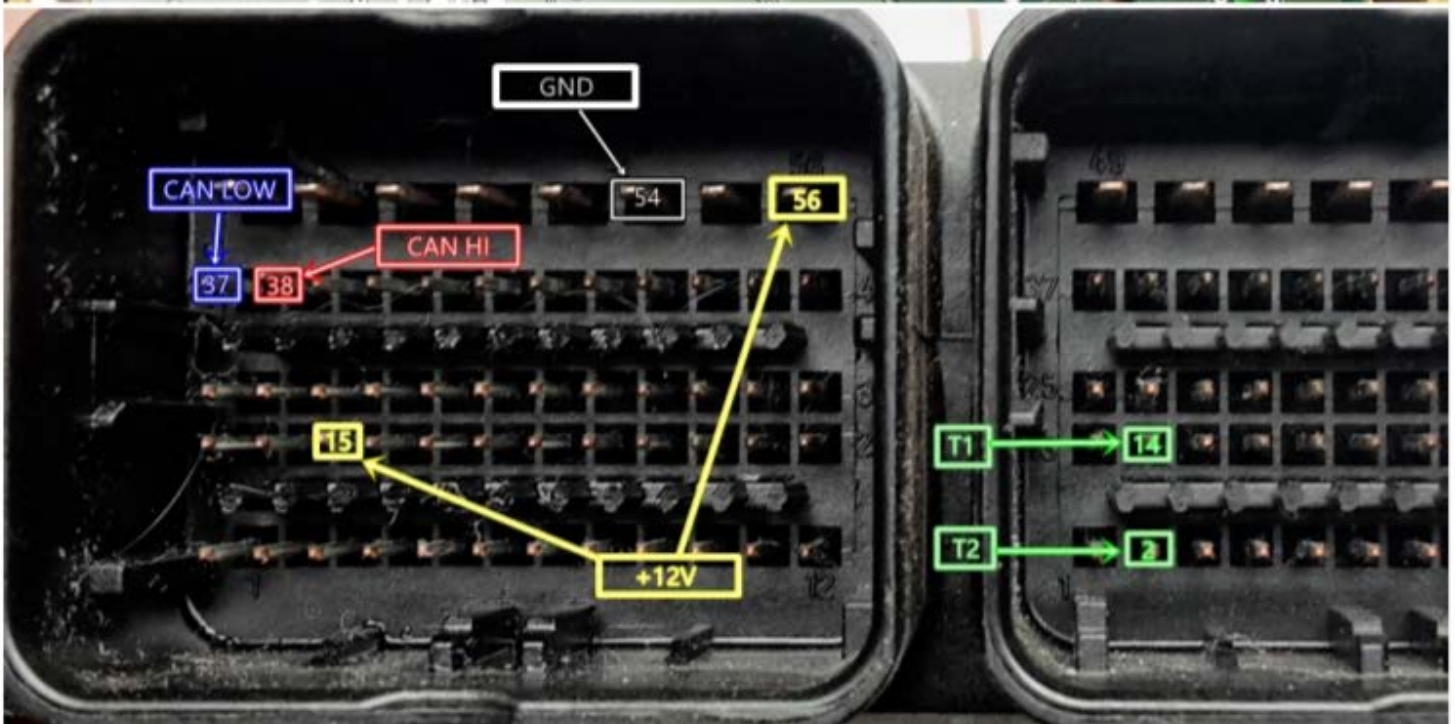
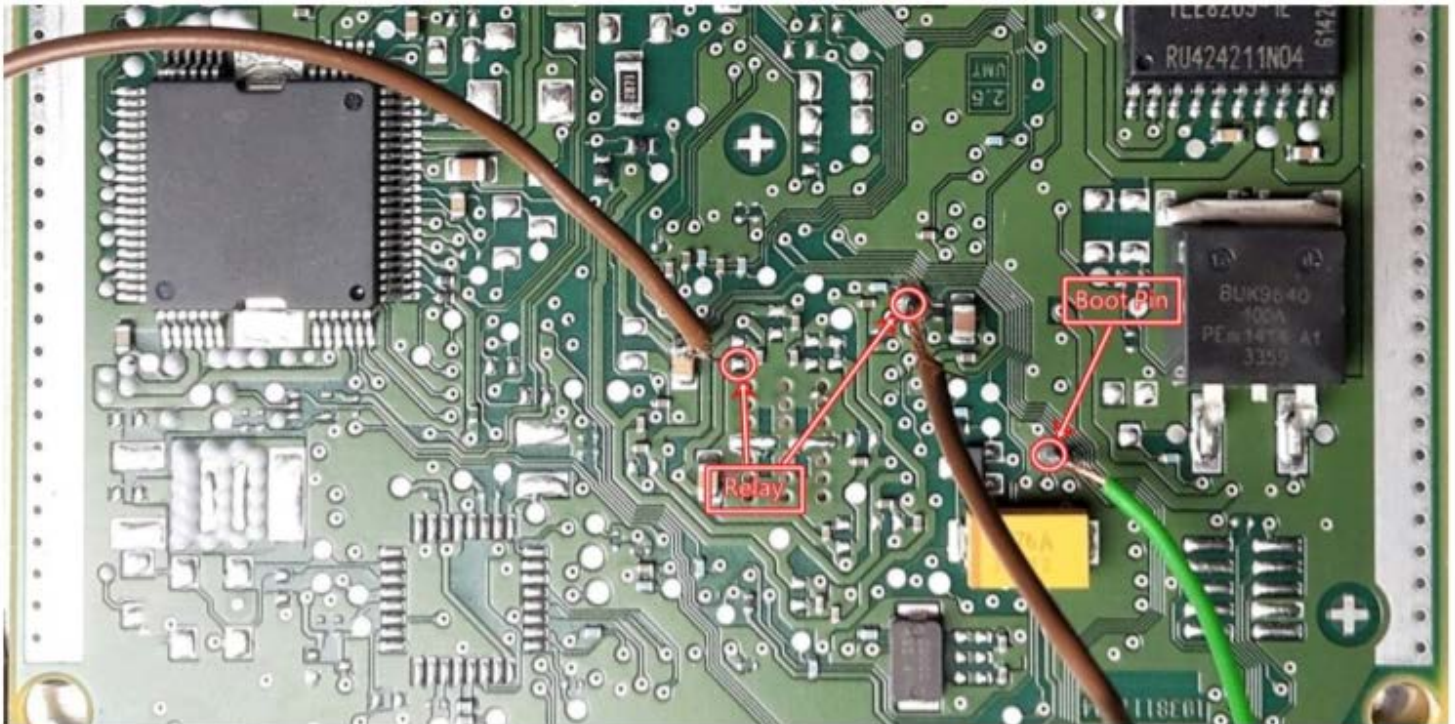
BOSCH MED17.1.62 TC1793 - Bench connection:



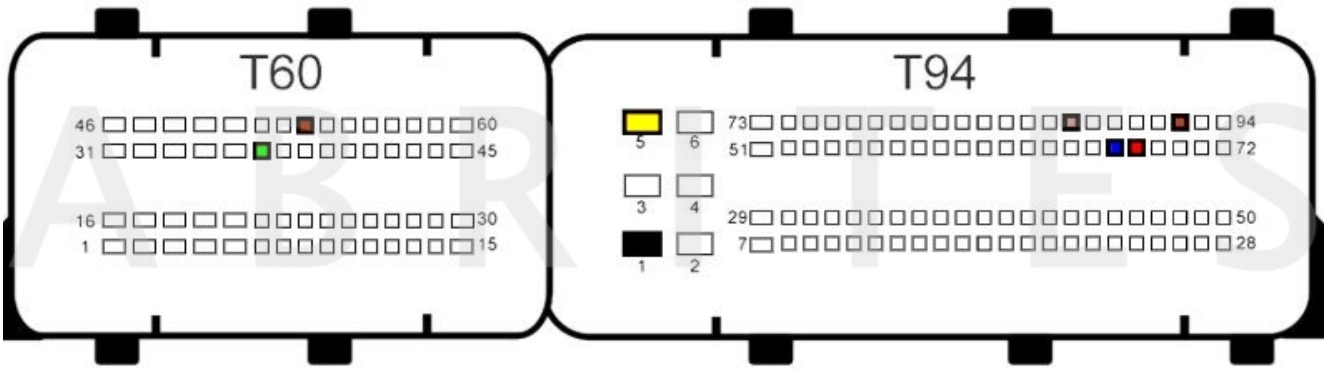
BOSCH MED17.5 TC1766 - Bench connection:



Boch ME17.5.24 BSL and Bench connections:



BOSCH MED17.5.1 TC1766 - Bench connection:



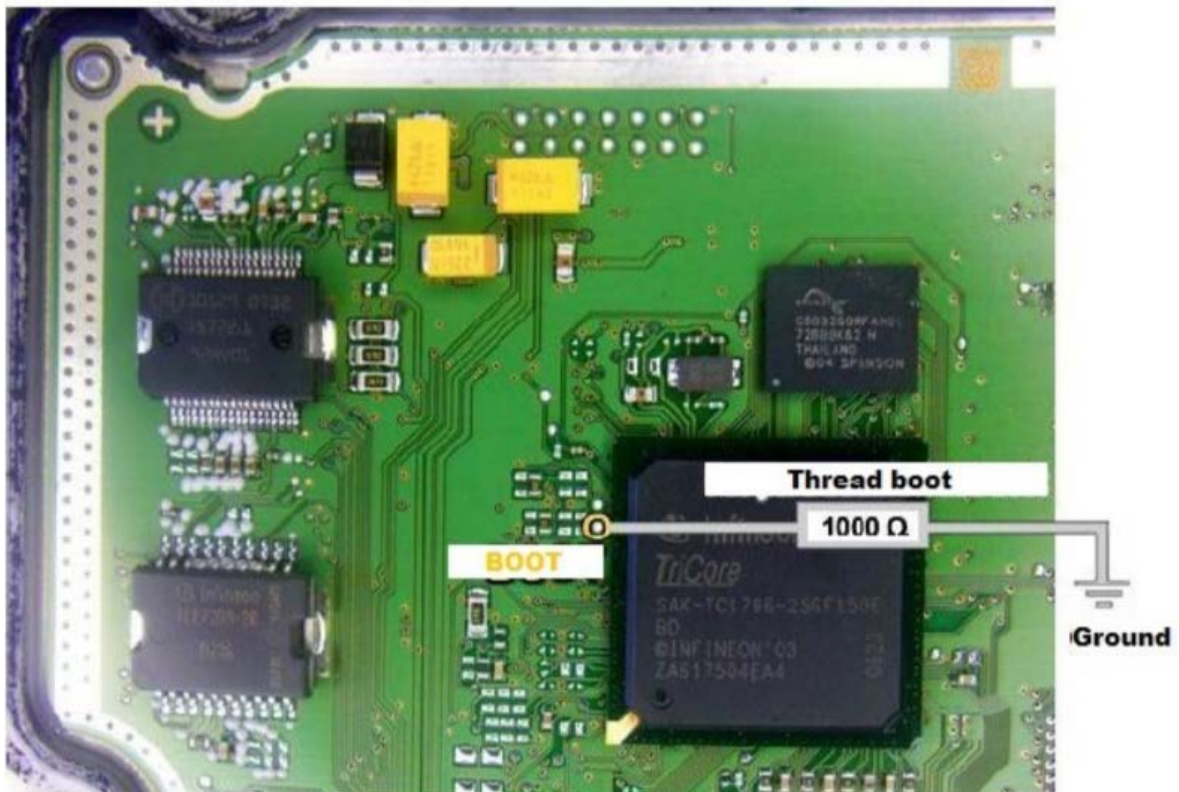
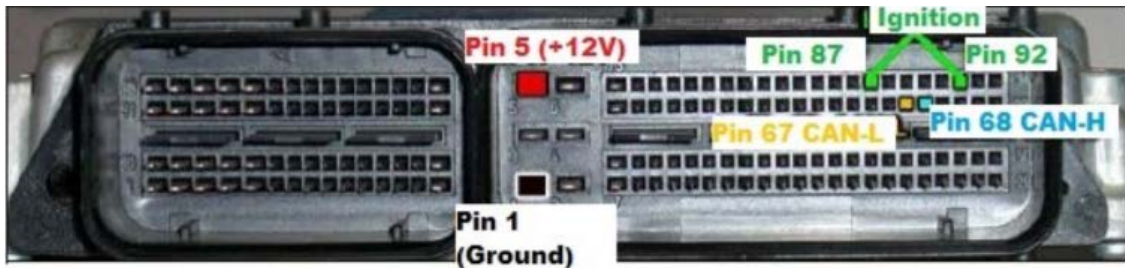
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

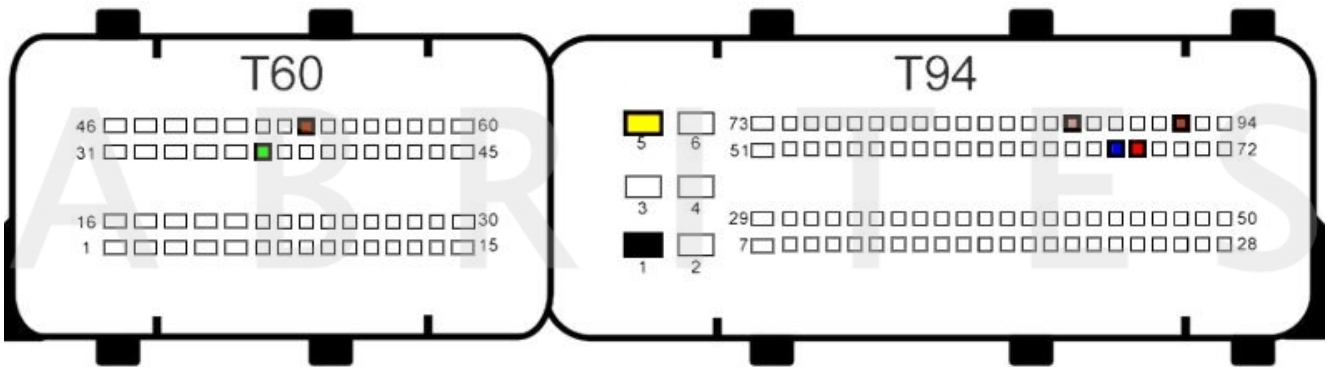
Old DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH MED17.5.1 TC1766- BSL connection:



BOSCH MED17.5.20 TC1766 - Bench connection:



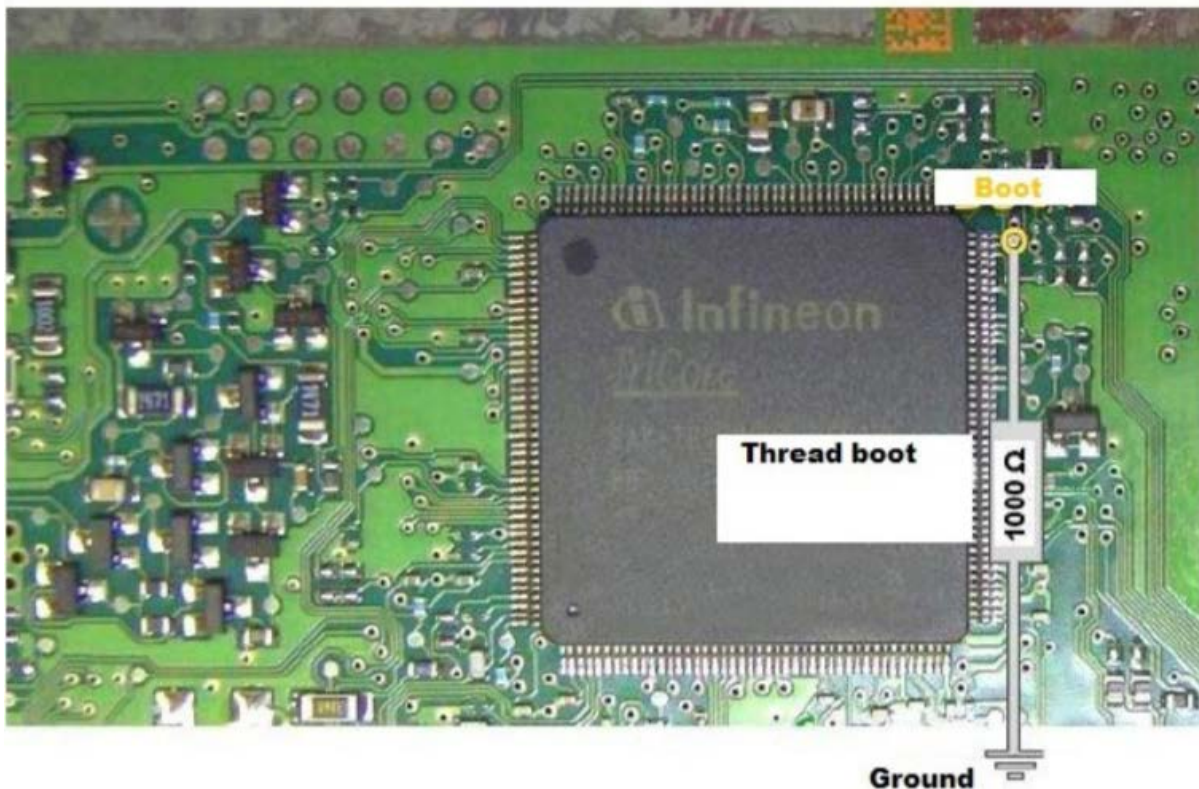
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH MED17.5.20 TC1766- BSL connection:



BOSCH MED17.5.1 TC1796 - Bench Connection:



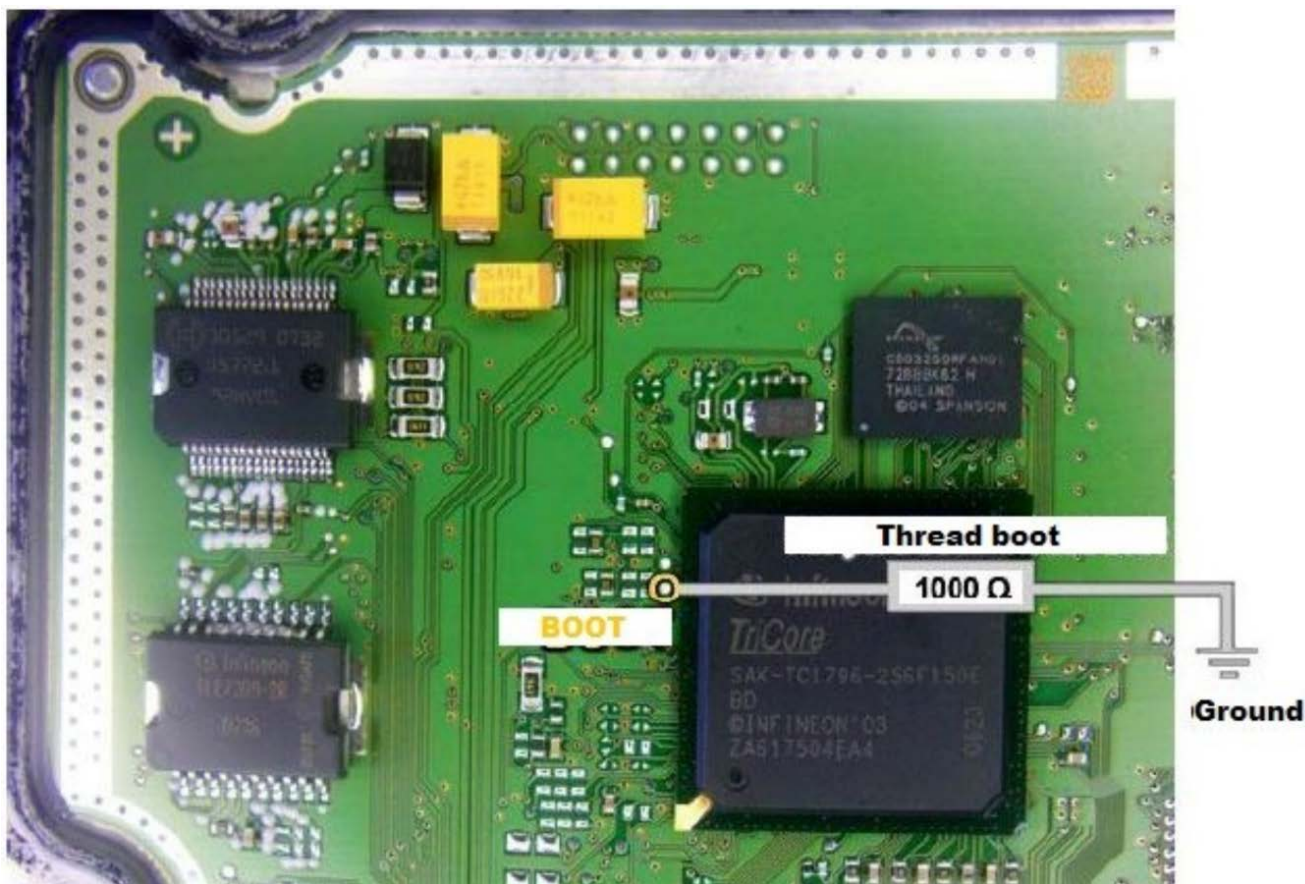
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

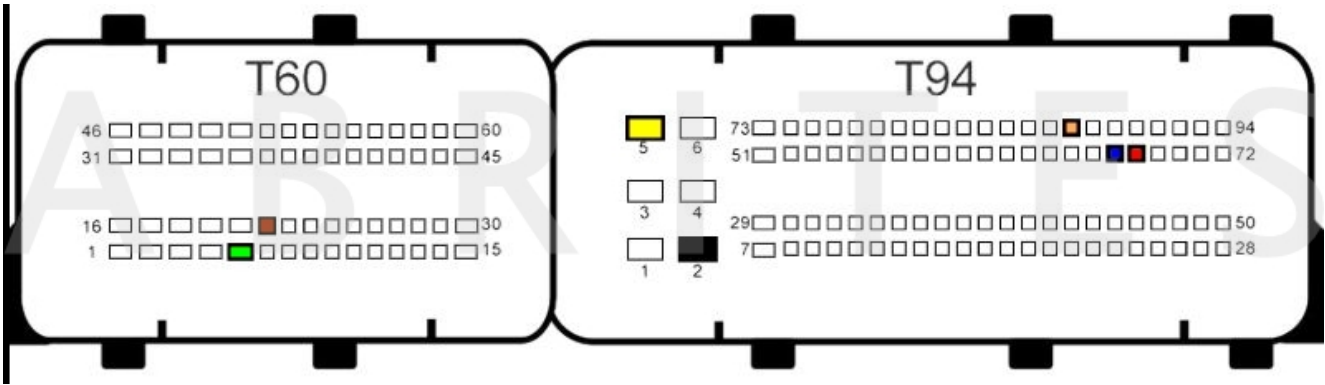
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH MED17.5.1 TC1796 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH MED17.5.25 TC1782 - Bench connection:



New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

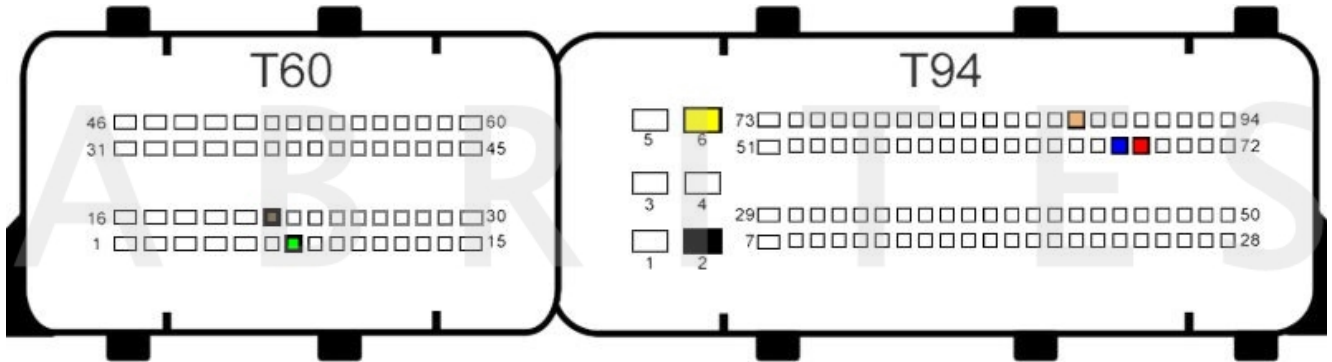
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH MED17.5.25 TC1782- BSL connection:

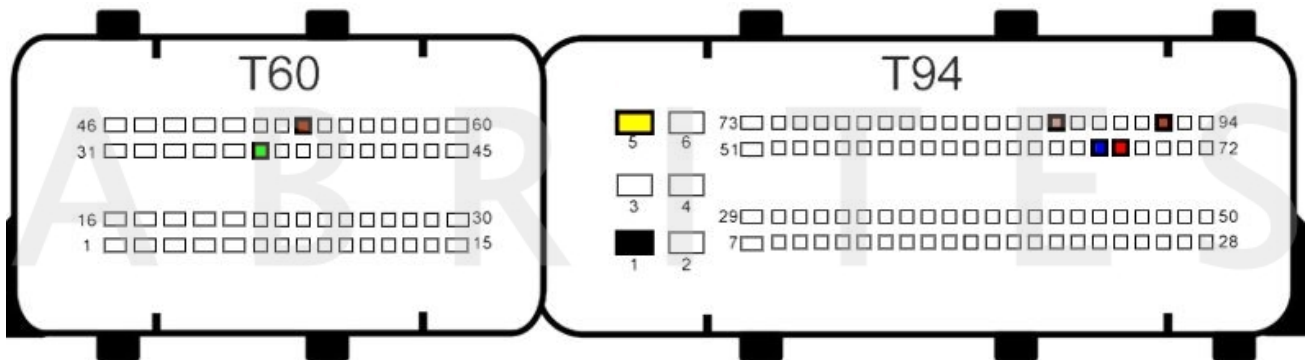


*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

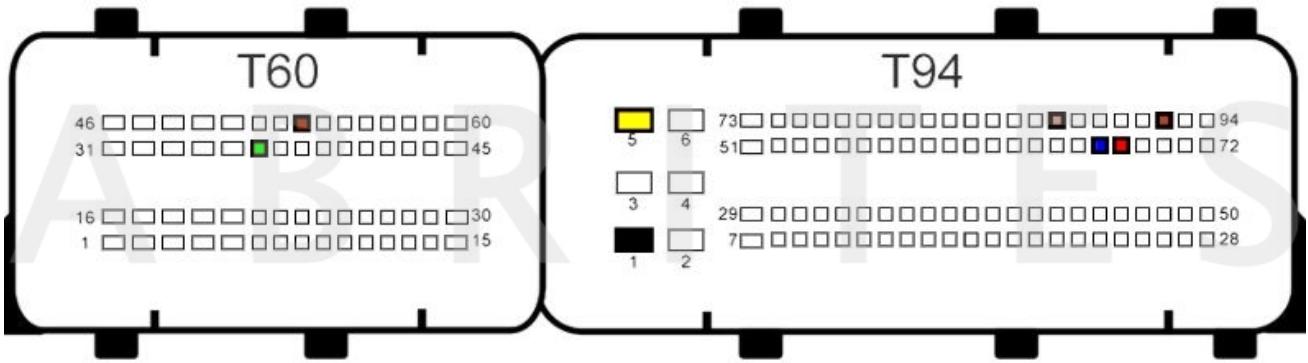
BOSCH MED17.5.21 TC1782 - Bench connection:



BOSCH MED17.5.5-HW02 TC1767 - Bench connection:



BOSCH MED17.5.5 TC1766 - Bench connection:



New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

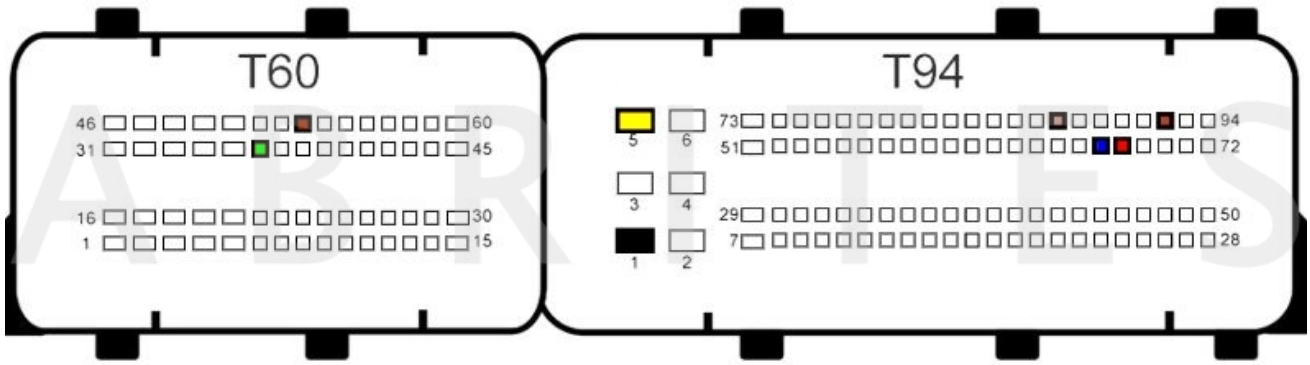
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH MED17.5.5 TC1766 - BSL connection:

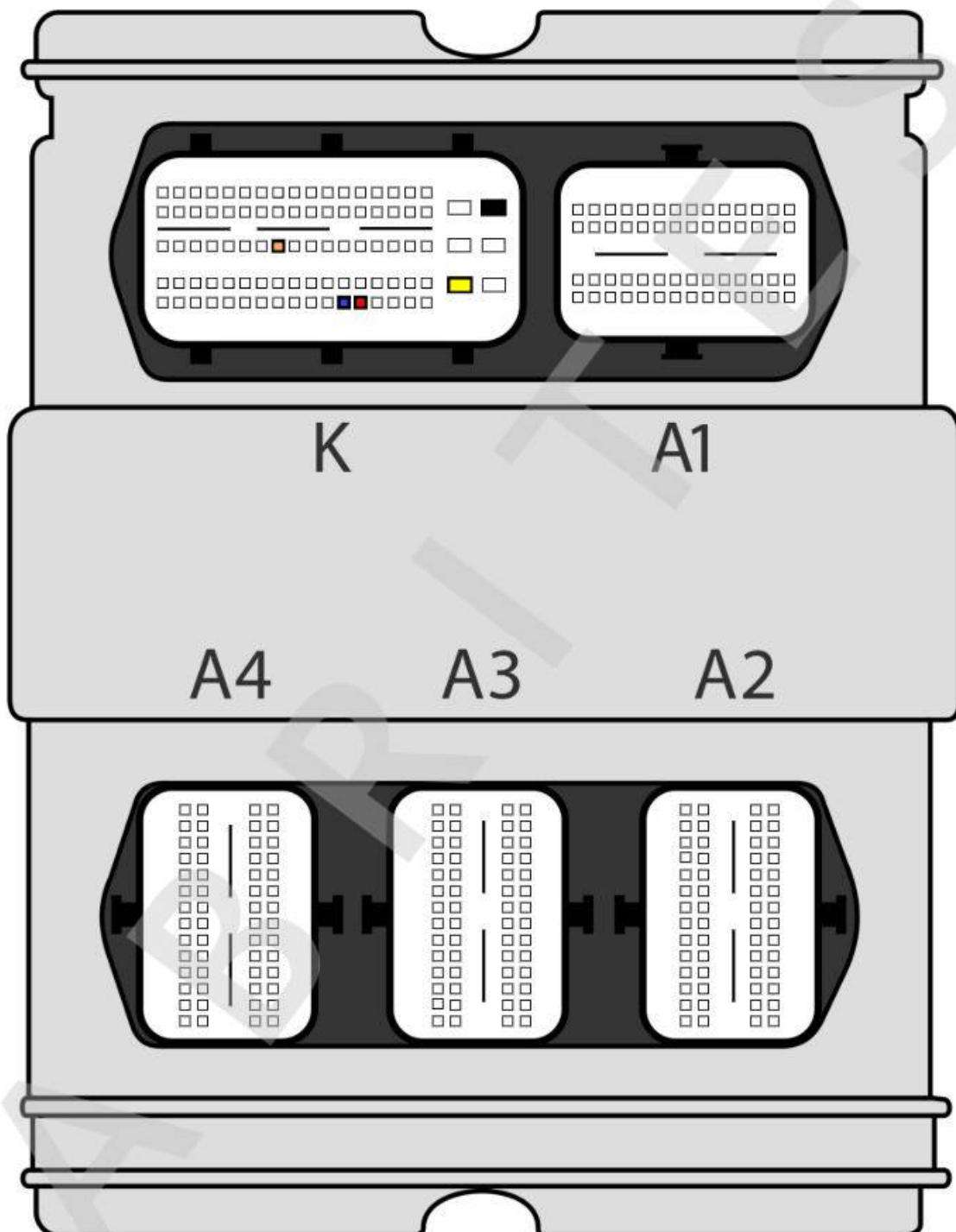


*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

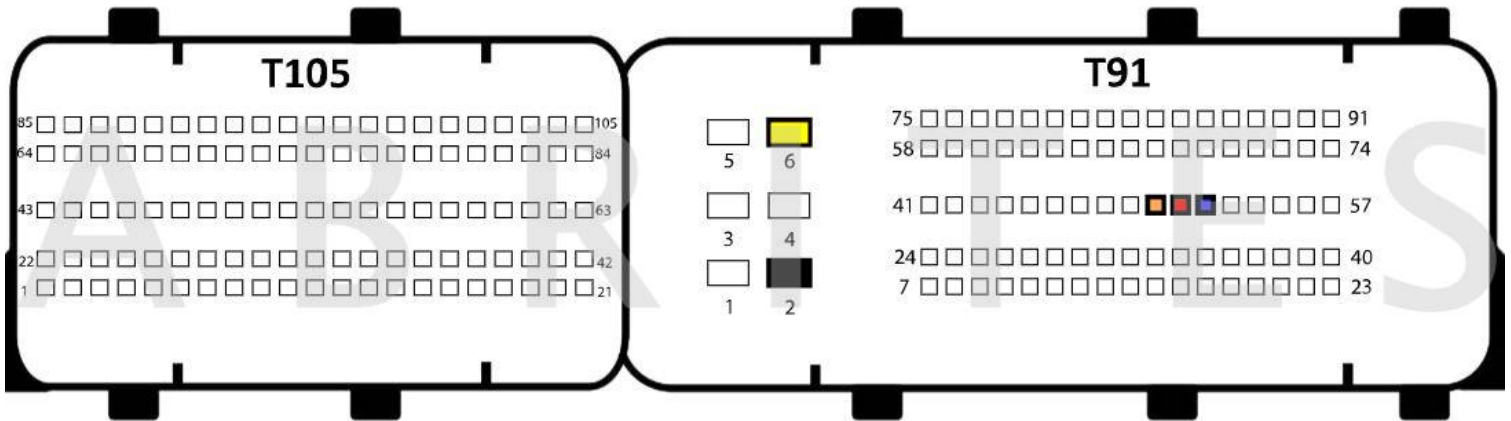
BOSCH MED17.5.5HW02-66 TC1766 - Bench connection:



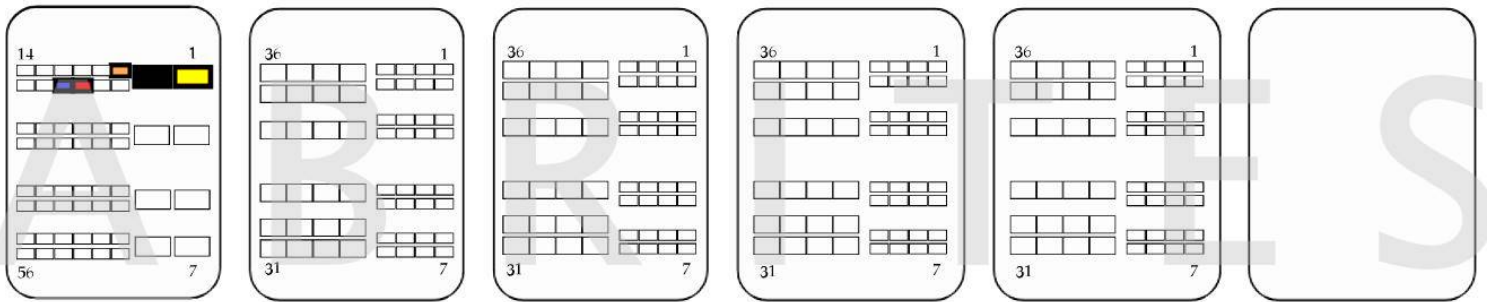
BOSCH MD1CP014 TC298TP ABR - Bench connection:



BOSCH MD1CS004 TC298TP - Bench connection:

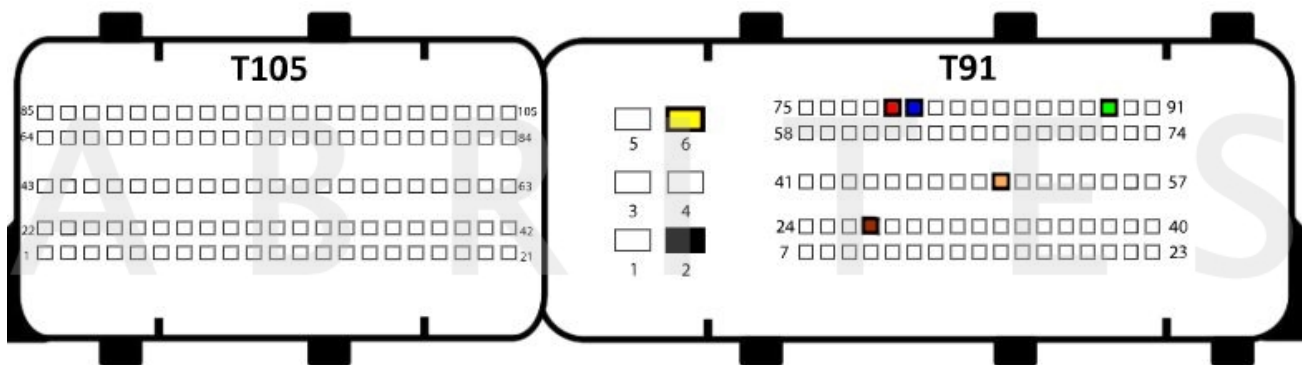


BOSCH MG1CS002 TC298TP: - Bench conneciton:

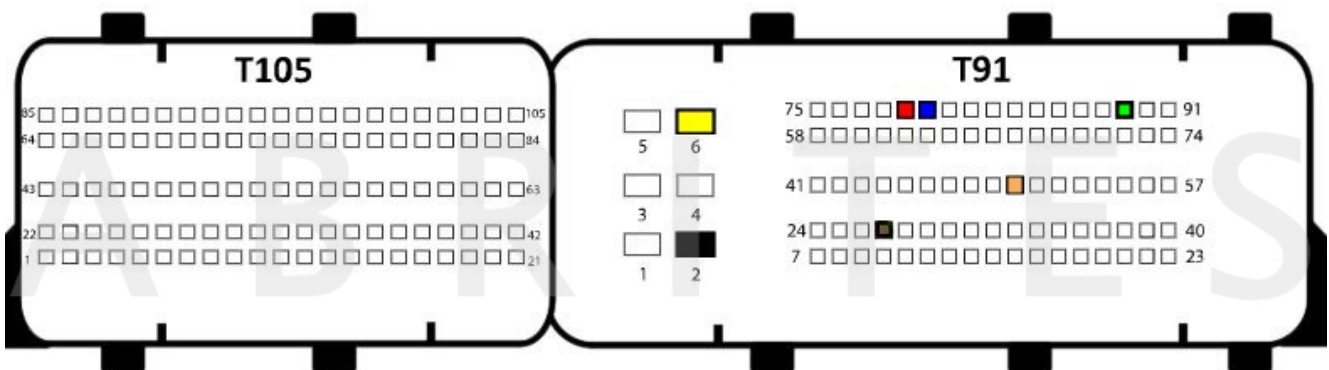


Bentley

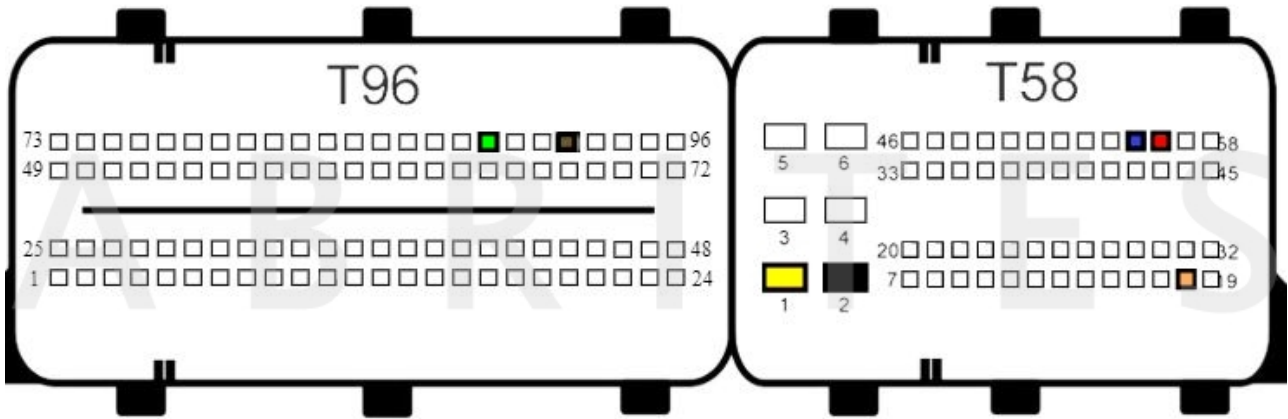
BOSCH MED17.1.62 MASTER TC1793 - Bench connection:



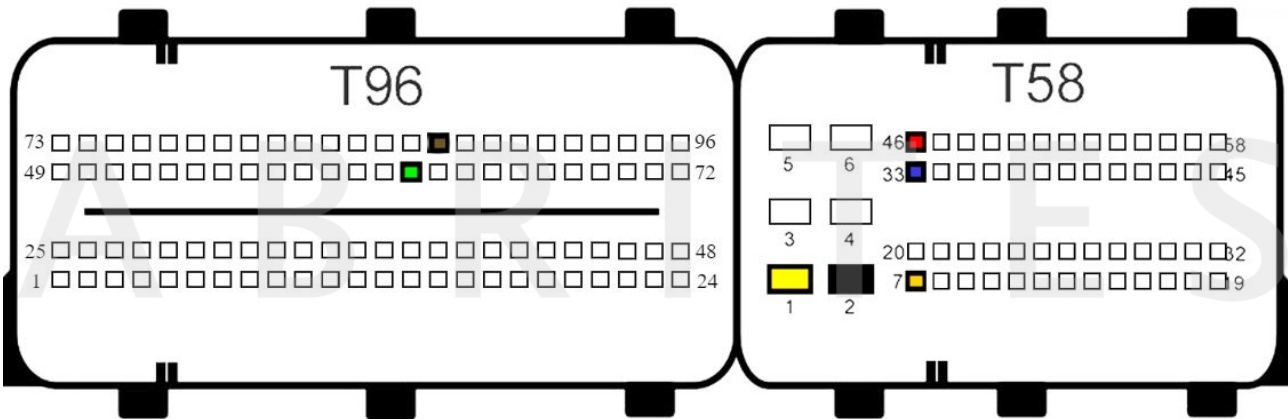
BOSCH MED17.1.62 SLAVE TC1793 - Bench connection:



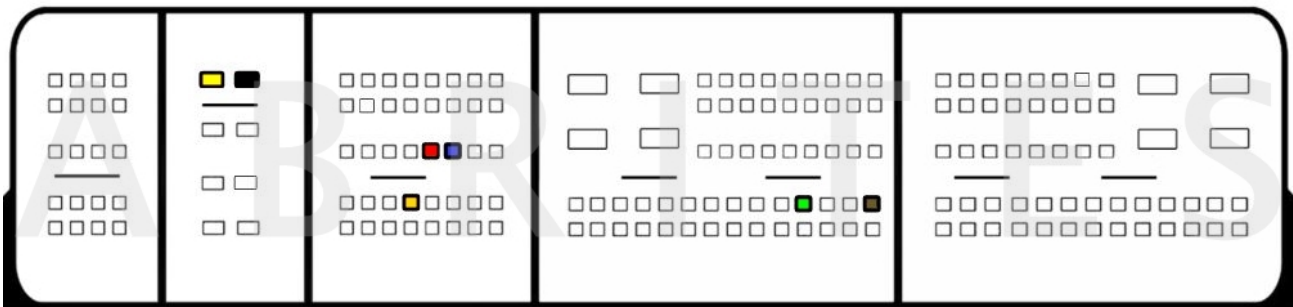
BOSCH EDC17C76 TC1793 - Bench connection:



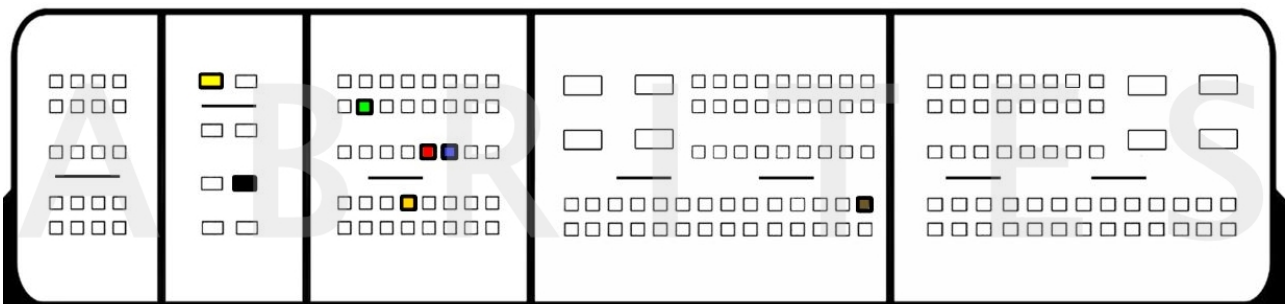
BOSCH EDC17CP02 TC1766 - Bench connection:



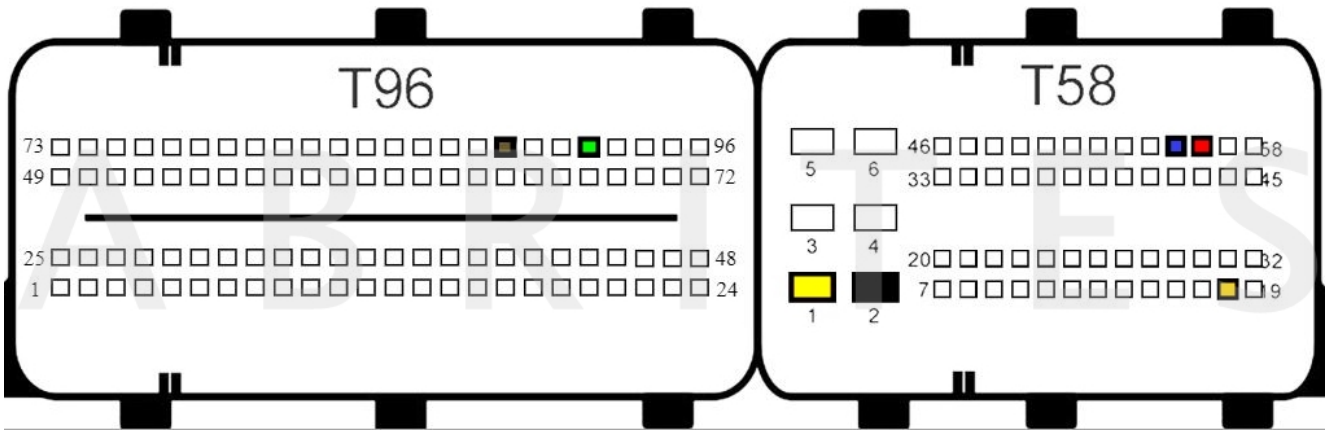
BOSCH EDC17CP09 TC1766/TC1796 - Bench connection:



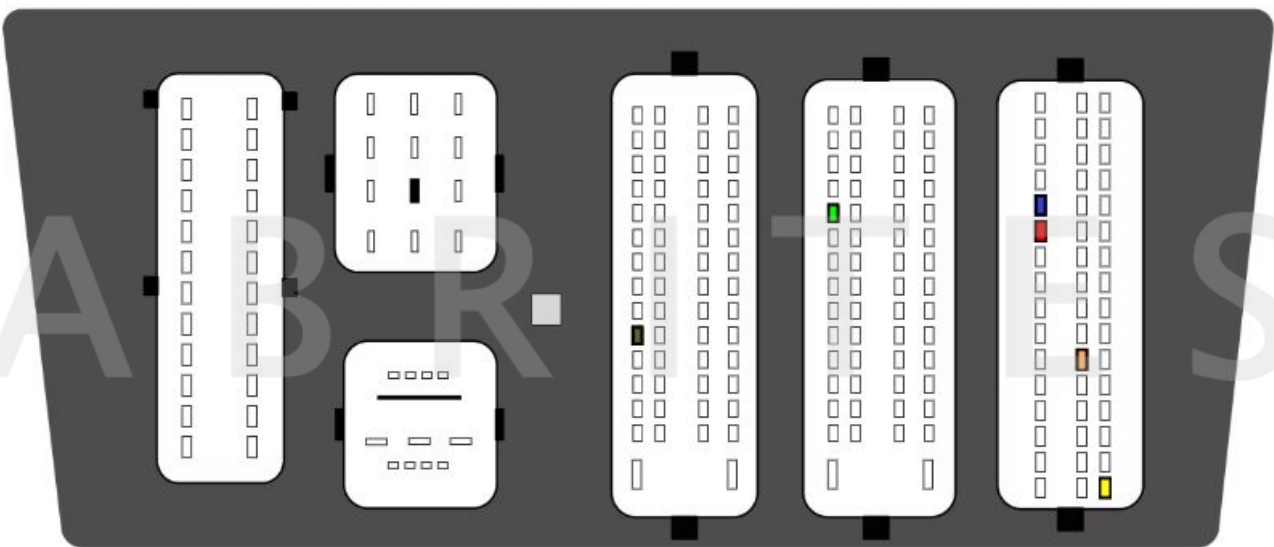
BOSCH EDC17CP45 TC1796/TC1797 - Bench connection:



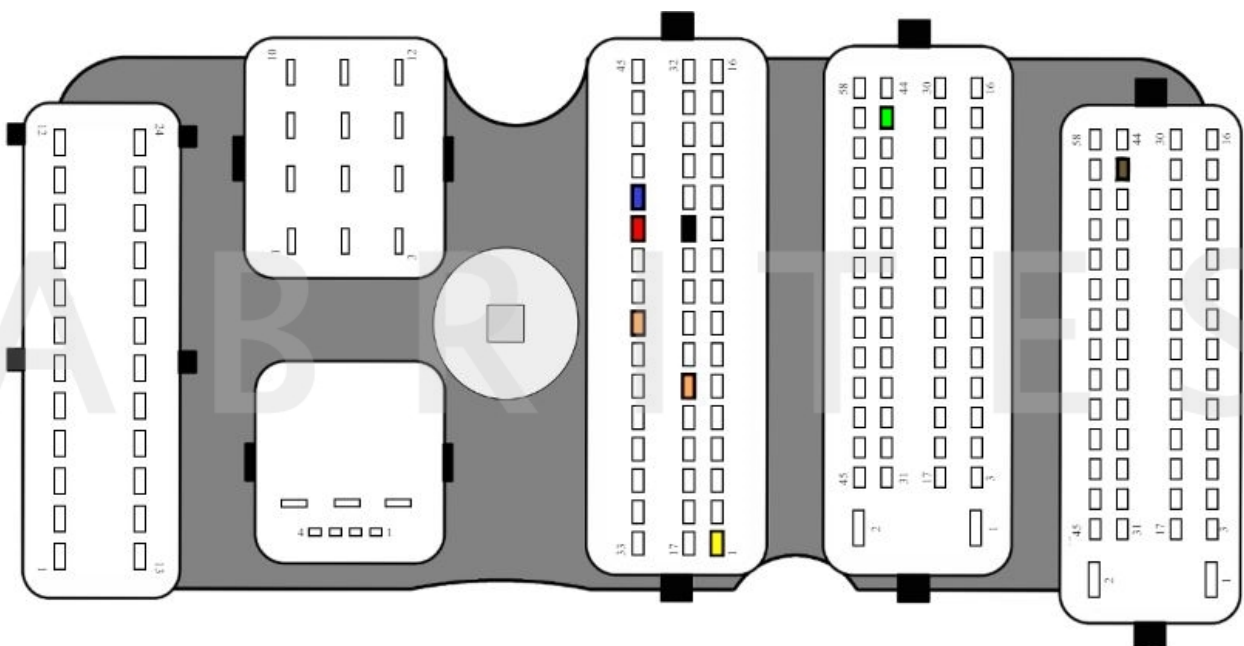
BOSCH EDC17CP49 TC1796/TC1797 - Bench connection:



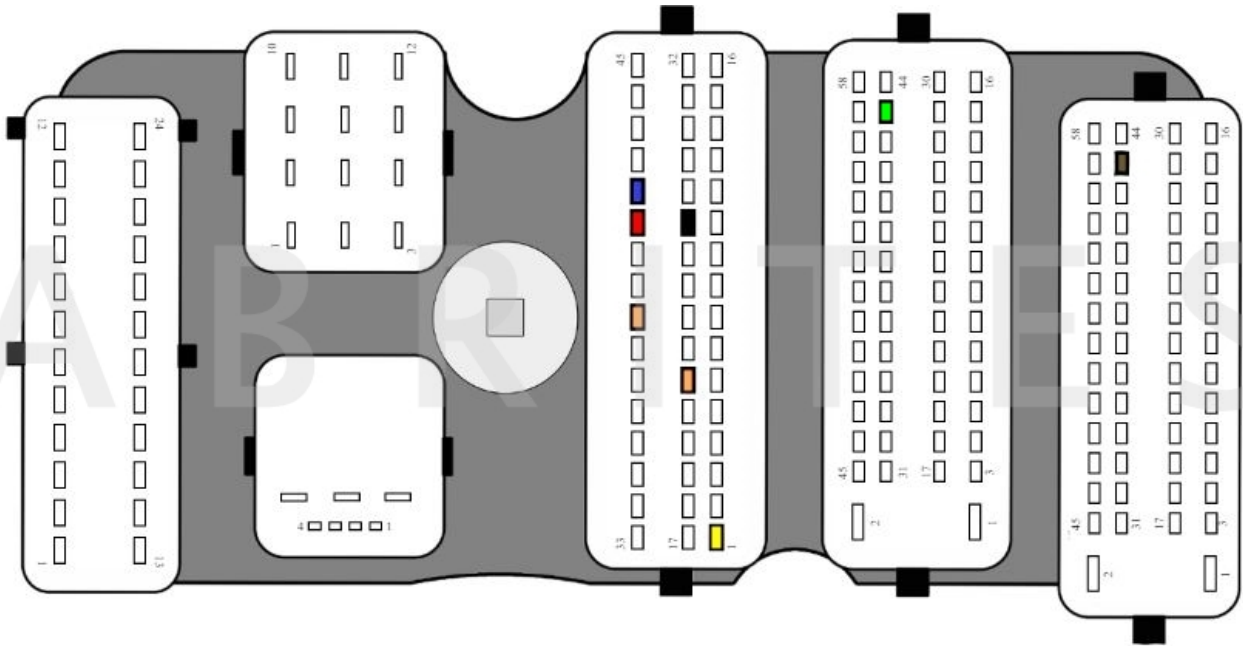
BOSCH MEVD17.2.3 TC1793 - Bench connection:



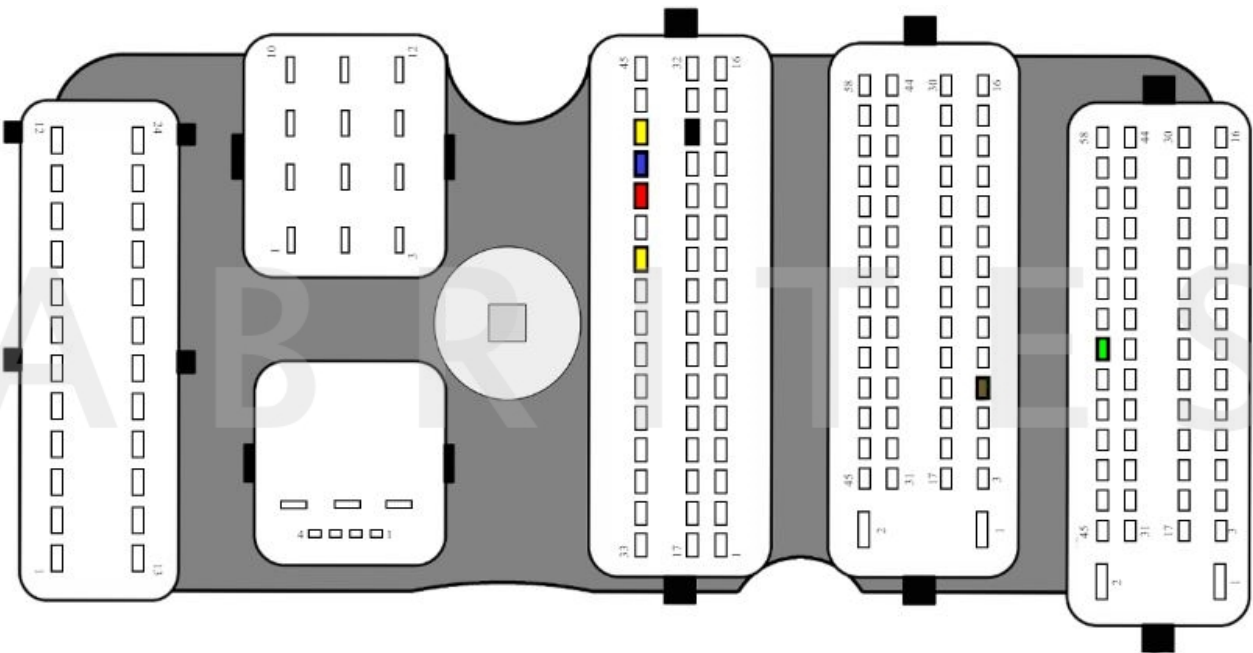
BOSCH MEVD17.2.4 TC1797 - Bench connection:



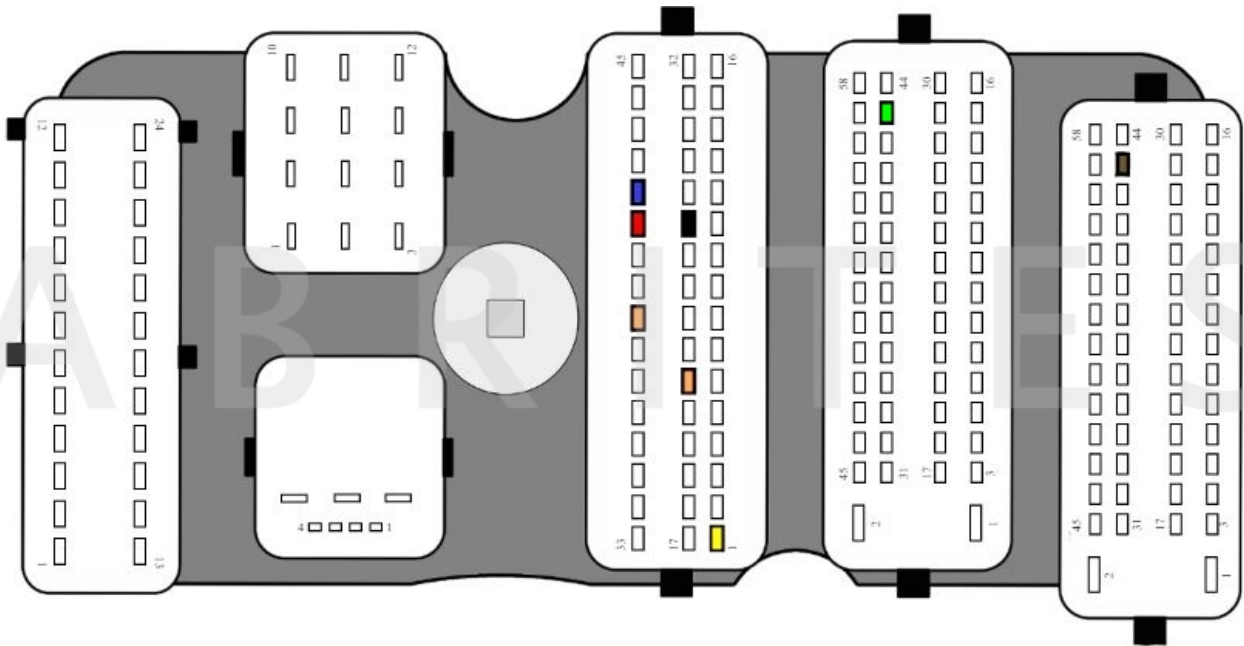
BOSCH MEVD17.2.5 TC1797 - Bench connection:



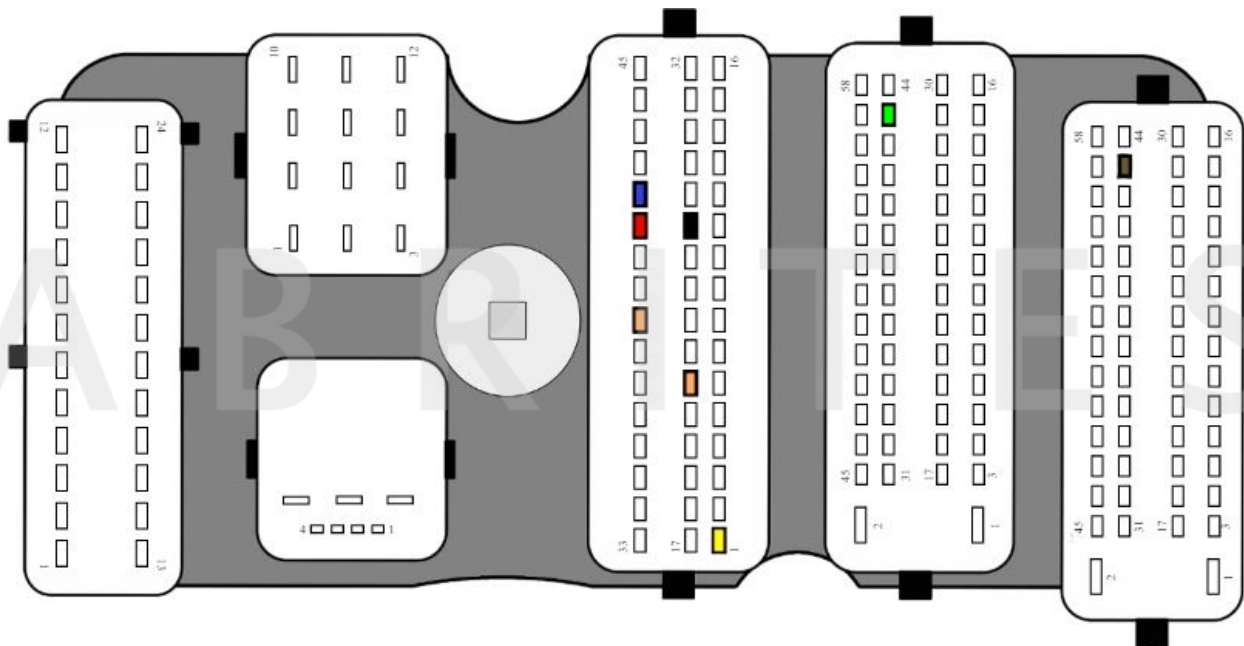
BOSCH MEVD17.2.6 TC1797 - Bench connection:



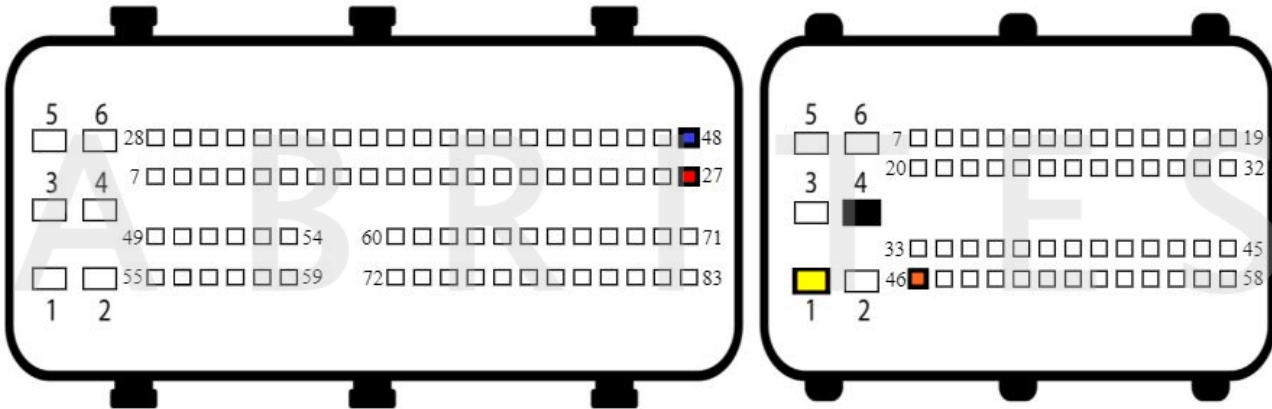
BOSCH MEVD17.2.8 TC1797 - Bench connection:



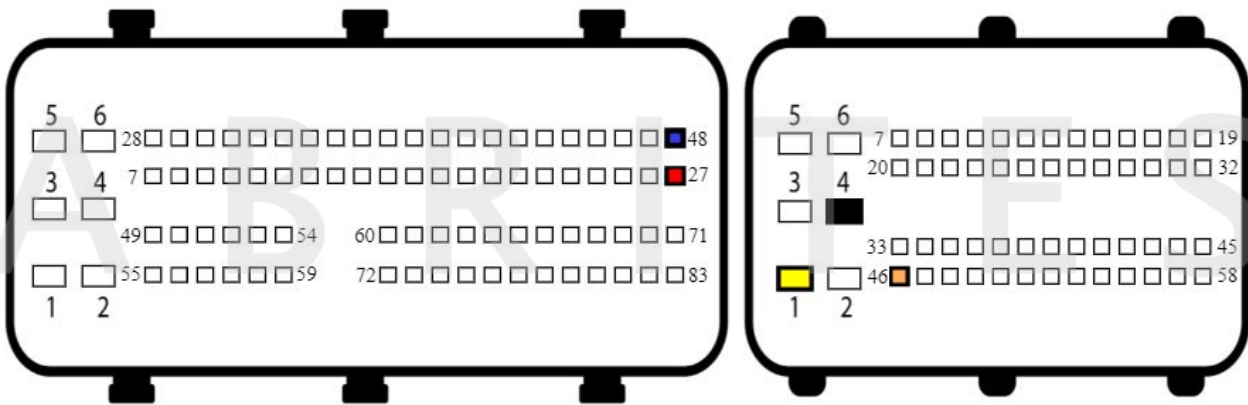
BOSCH MEVD17.2.9 TC1797 - Bench connection:



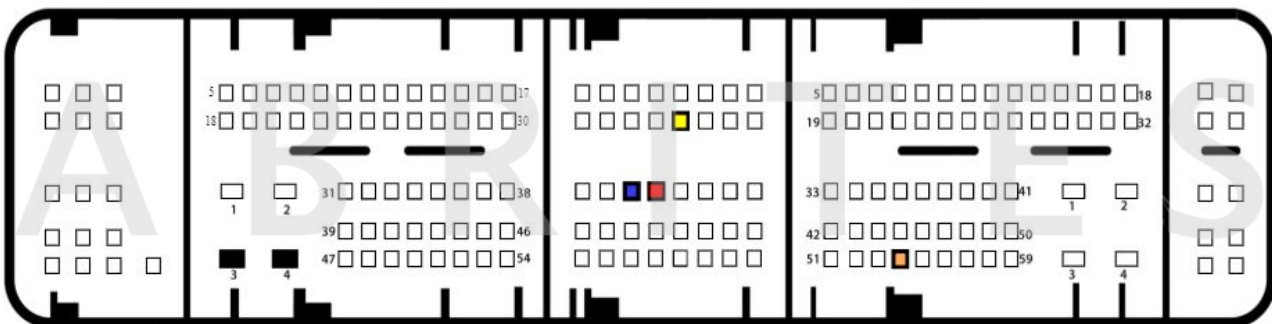
CONTINENTAL/SIEMENS MSD80 TC1796 - Bench connection:



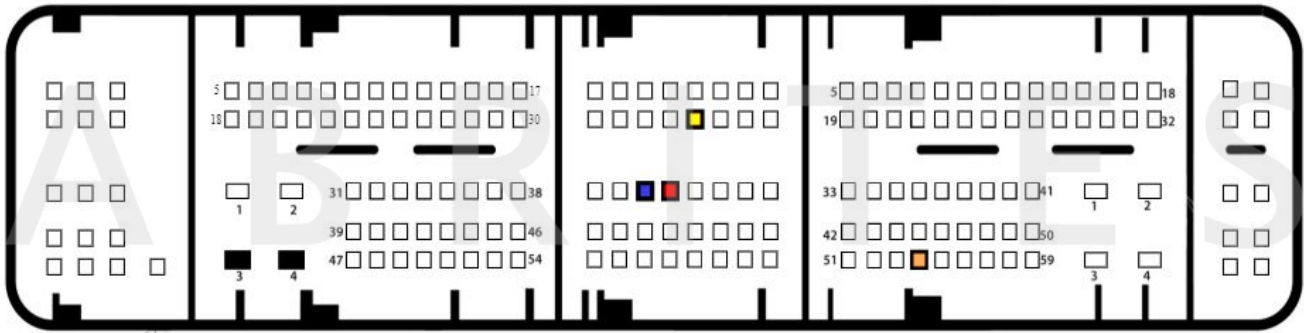
CONTINENTAL/SIEMENS MSD81 TC1796 - Bench connection:



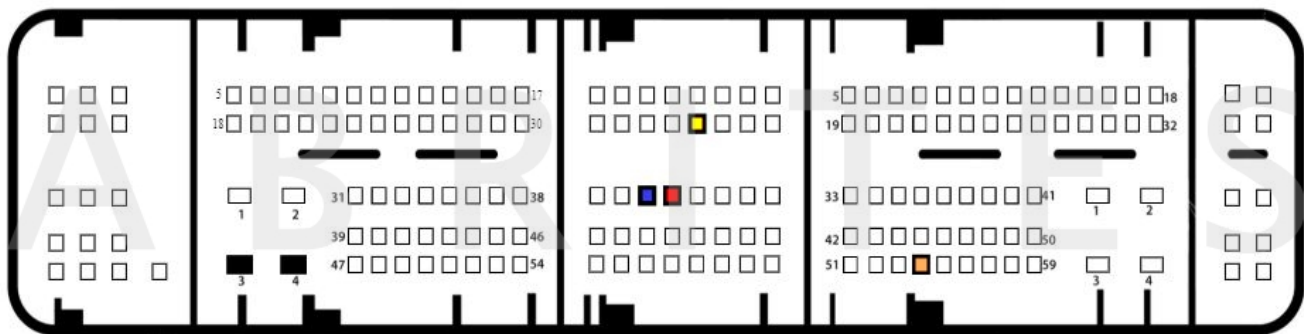
CONTINENTAL/SIEMENS MSD85 TC1796 - Bench connection:



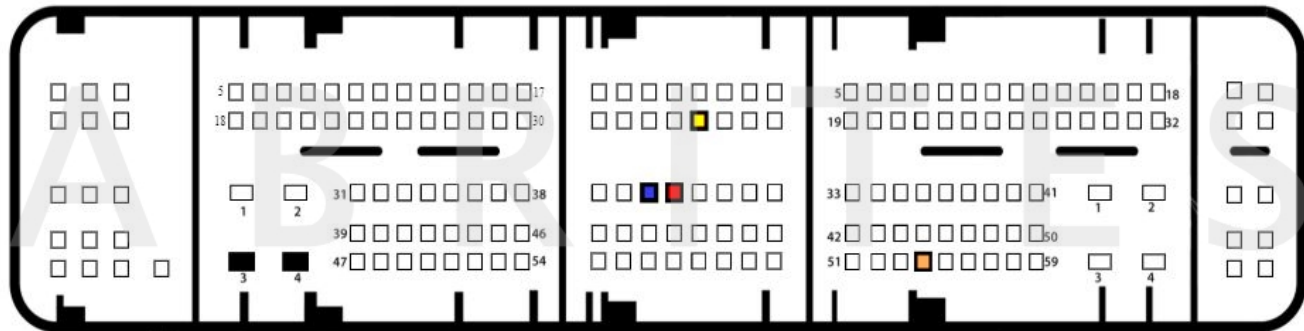
CONTINENTAL/SIEMENS MSD87 MASTER TC1796 - Bench connection:



CONTINENTAL/SIEMENS MSD87 SLAVE TC1796 - Bench connection:

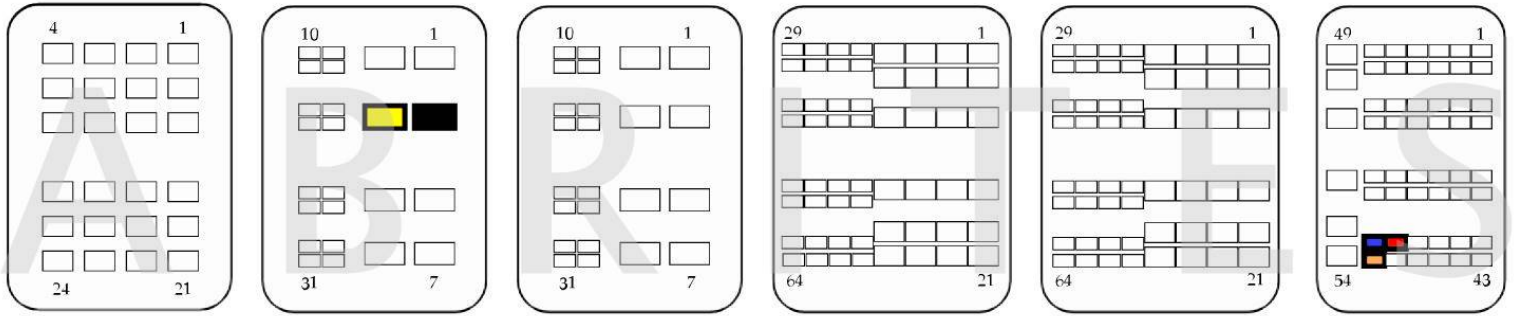


CONTINENTAL/SIEMENS MSD87 TC1796 - Bench connection:

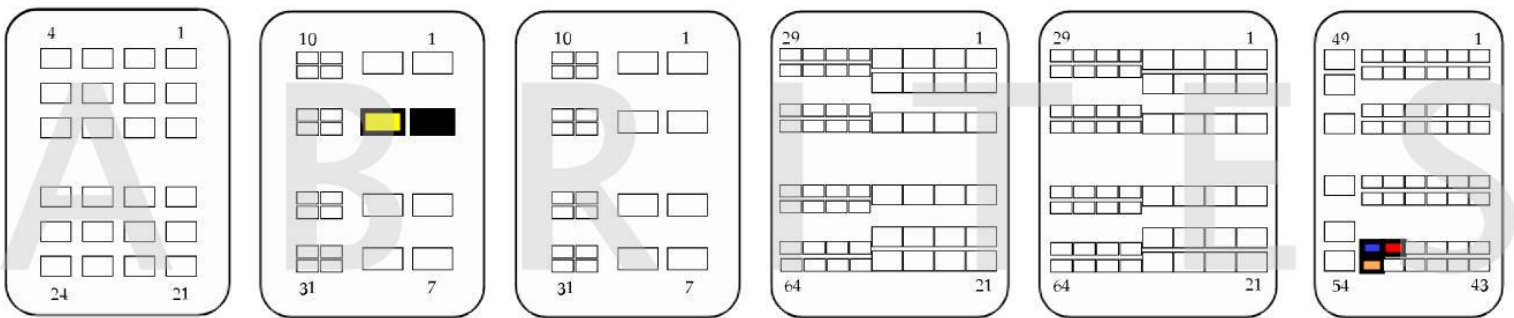


CONTINENTAL/SIEMENS MSV80 TC1796 - Bench connection:

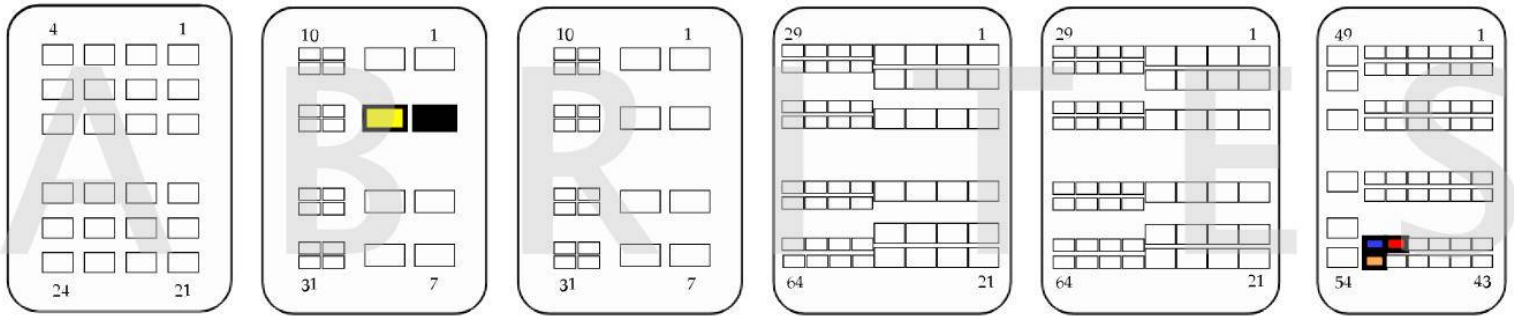
BOSCH MD1CP032 TC299 - Bench connection:



BOSCH MD1CS001 TC298TP - Bench connection:

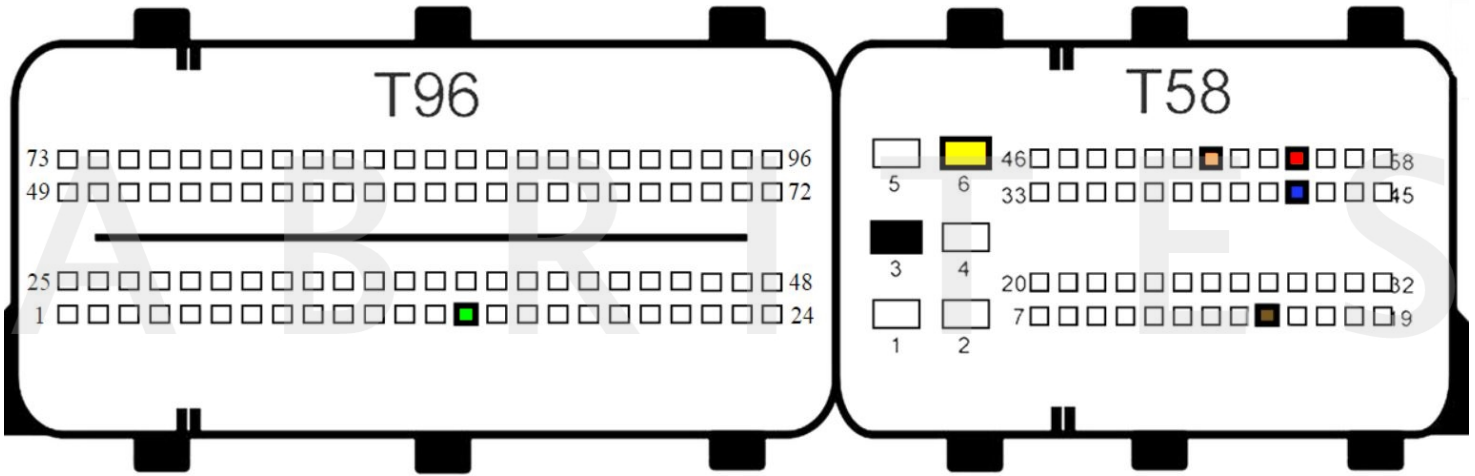


BOSCH MG1CS201 TC298TP - Bench connection:



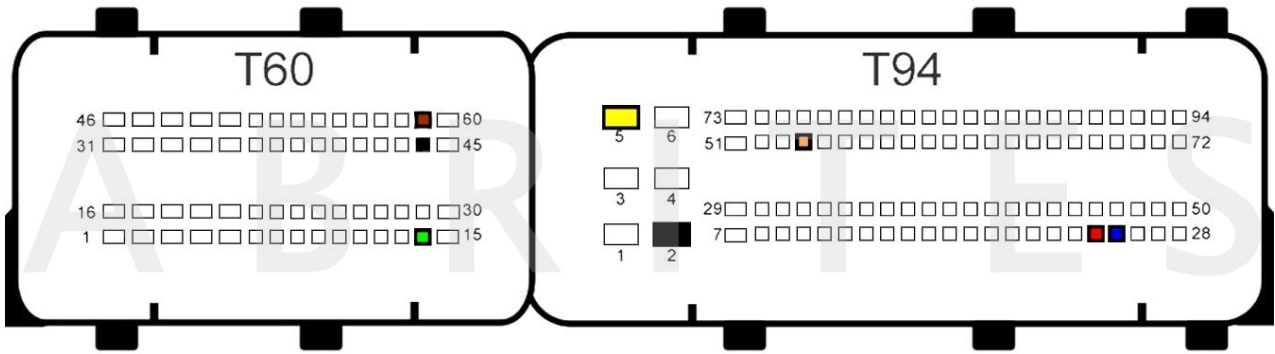
BMW Bikes

BOSCH ME17.2.4 Bench connection:

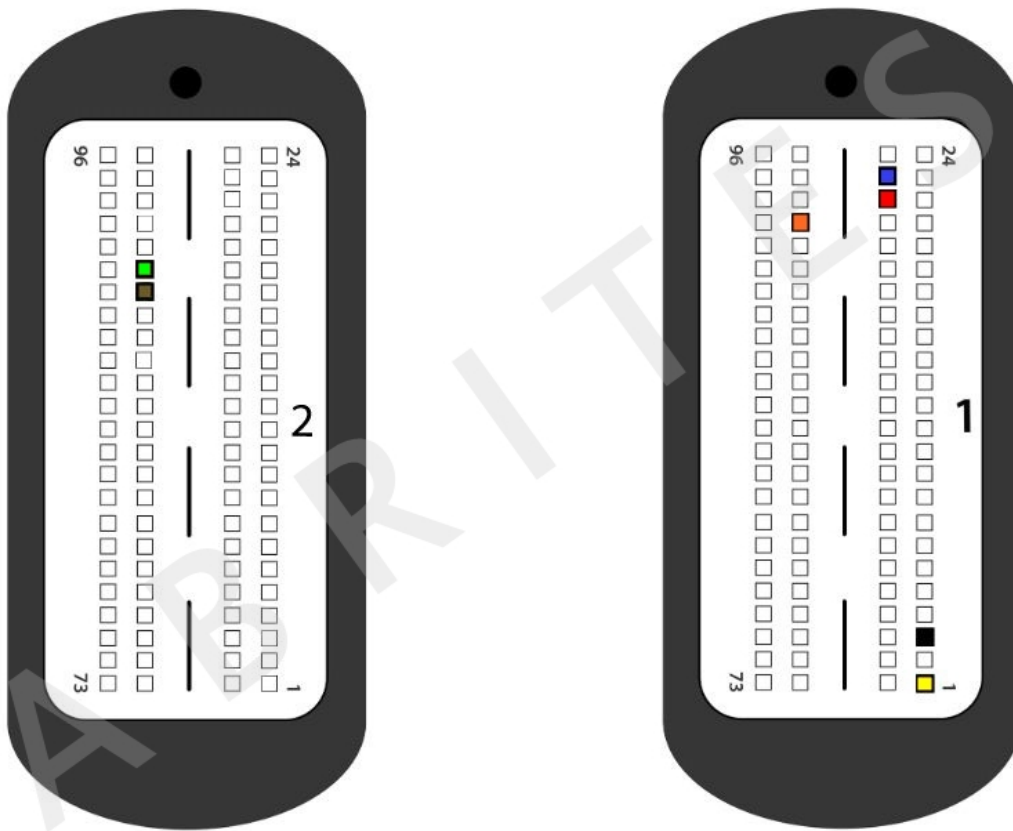


CASE

BOSCH EDC17C49 - Bench connection: TC1797

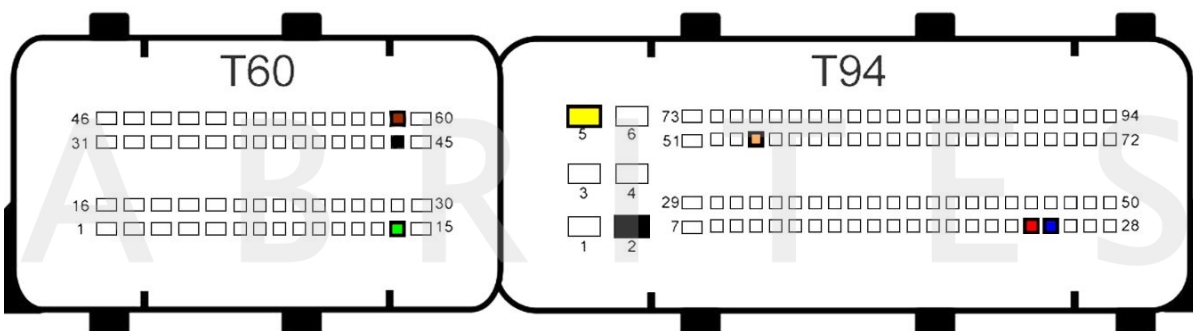


CASE Tractors BOSCH EDC17CV41 TC1797 - Bench connection:



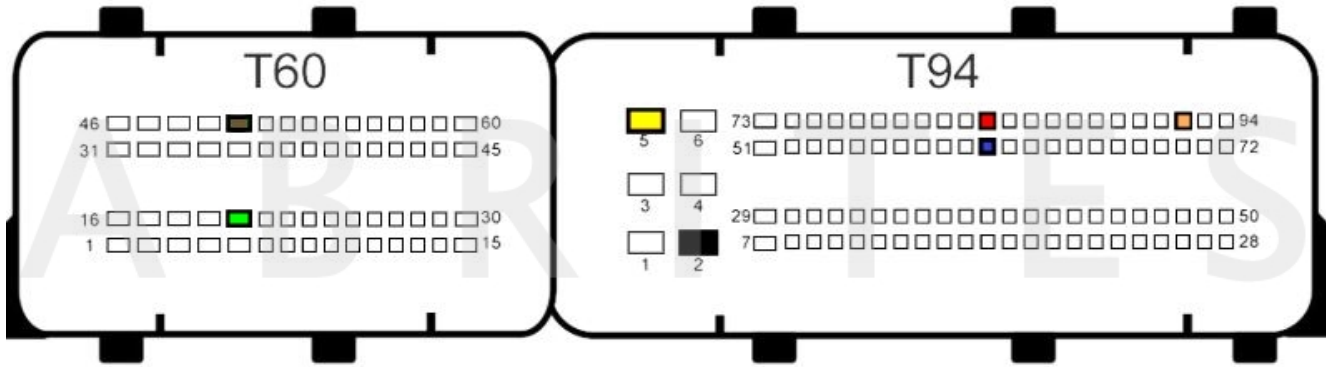
Caterpillar

BOSCH EDC17C49 TC1797 - Bench connection:



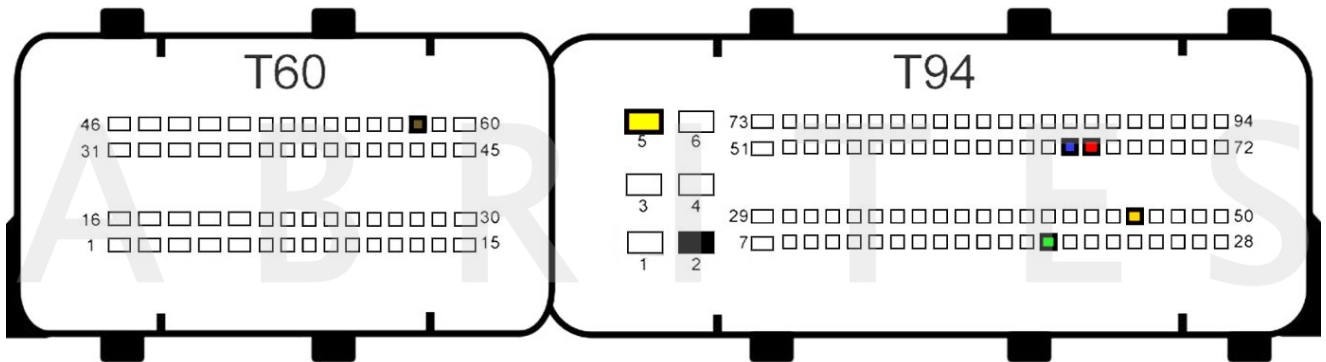
Chang An

BOSCH MED17.9.63 TC1793 - Bench connection:



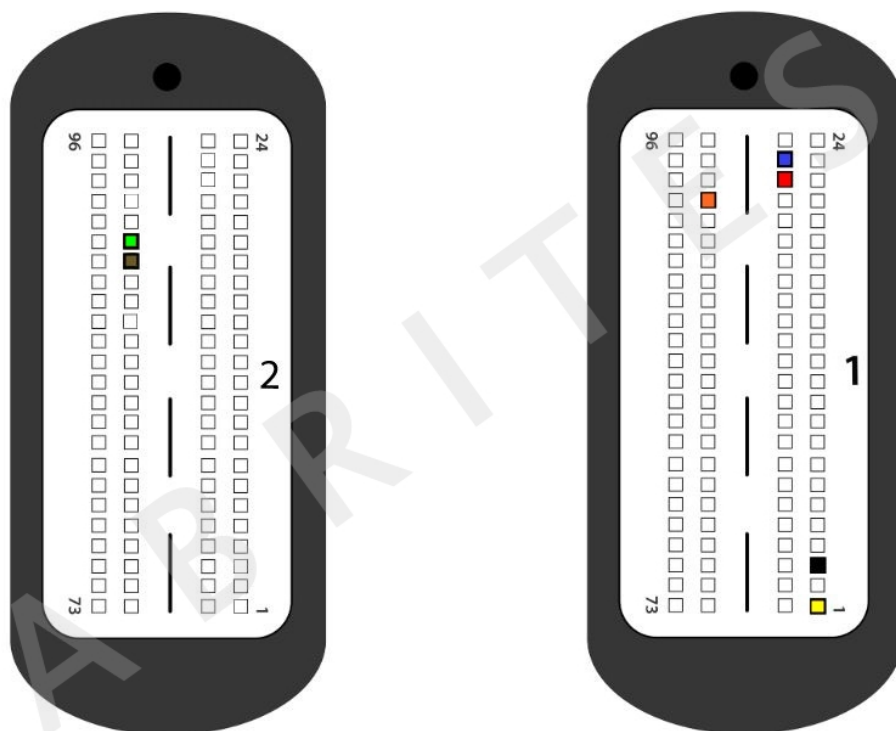
Chevrolet

BOSCH EDC17C59 TC1767 - Bench connection:



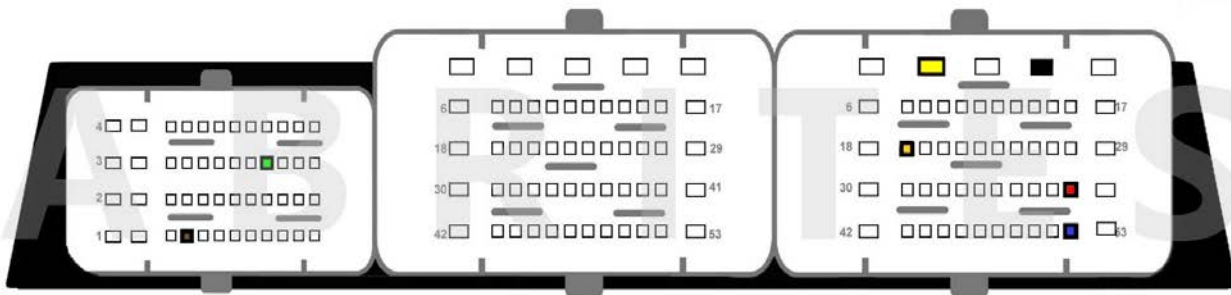
BOSCH EDC17CP18 TC1796 - Diagram coming soon

BOSCH EDC17CV41 TC1797 - Bench connection:

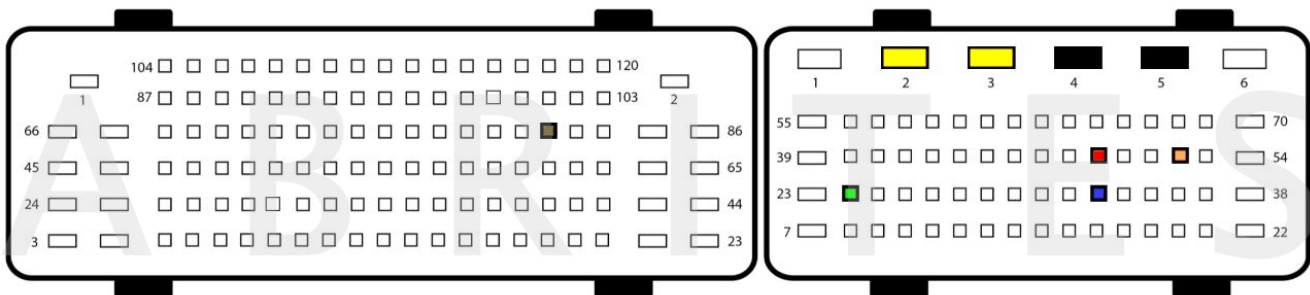


Citroen

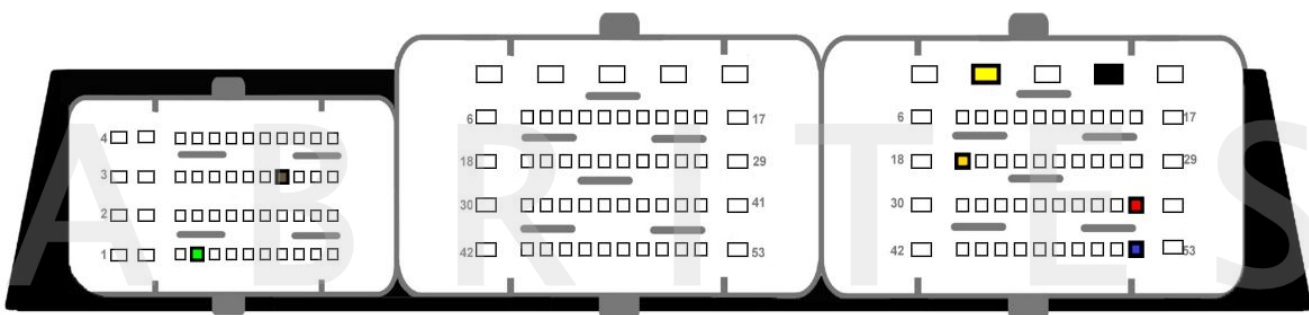
BOSCH EDC17C10 TC1796/TC1797 - Bench connection:



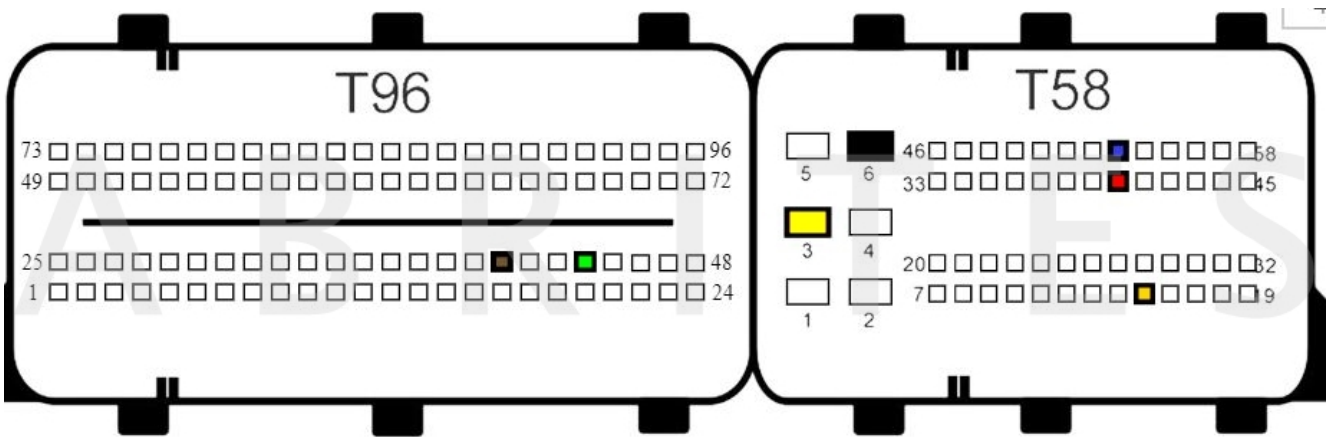
BOSCH EDC17C60 TC1793 - Bench connection:



BOSCH EDC17CP42 TC1797 - Bench connection:



BOSCH EDC17CP11 TC1796 - Bench connection:



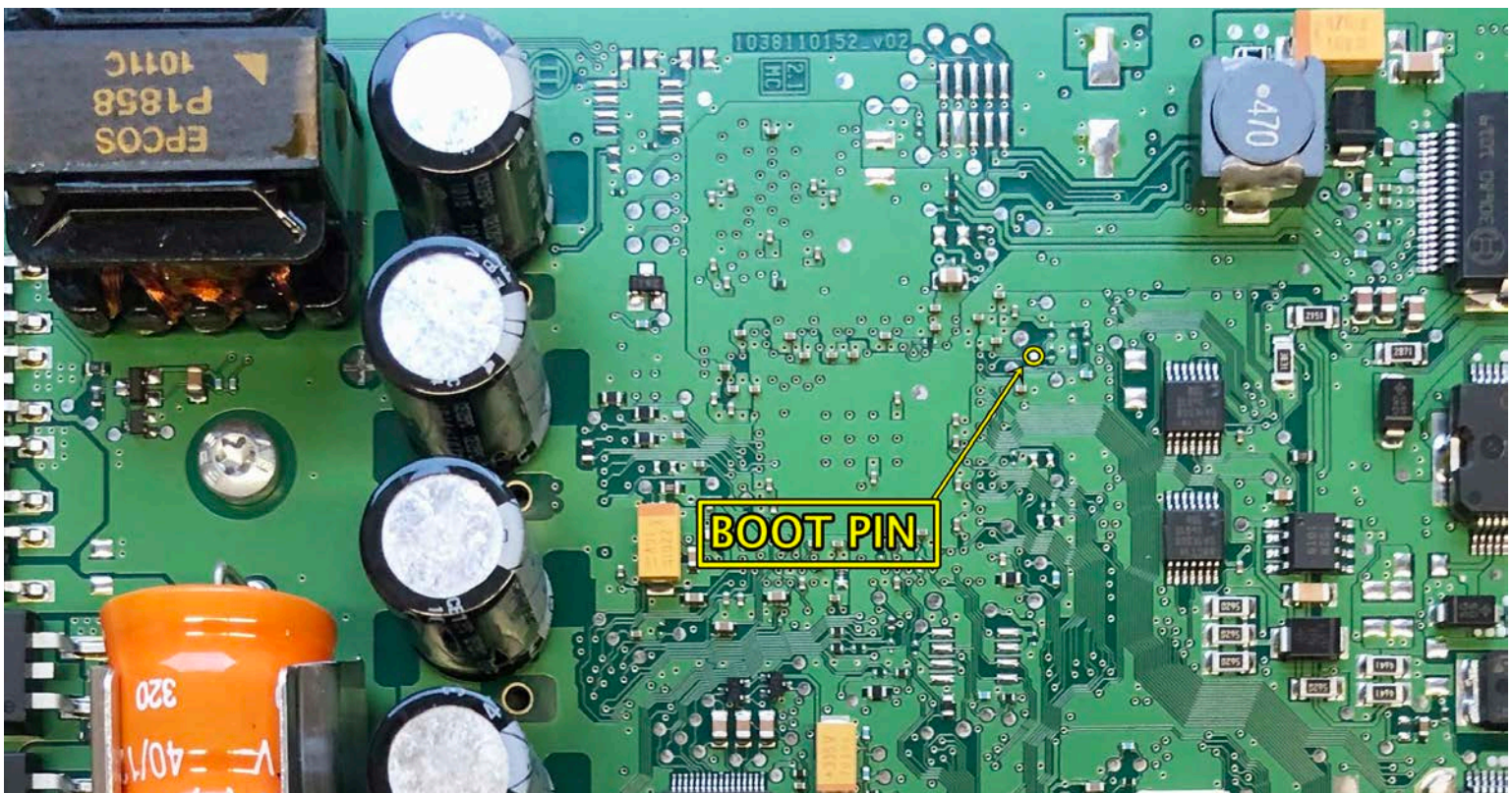
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

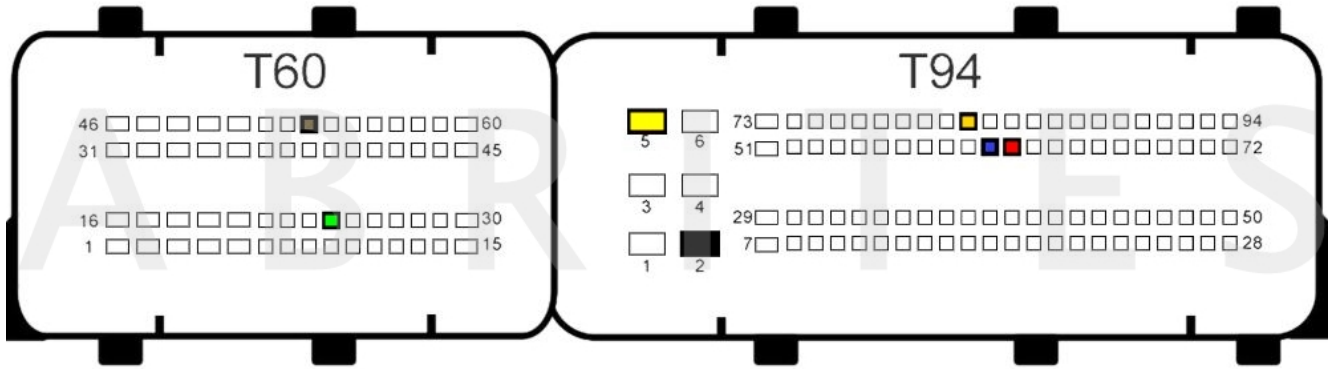
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP11 TC1796 - Boot connection:

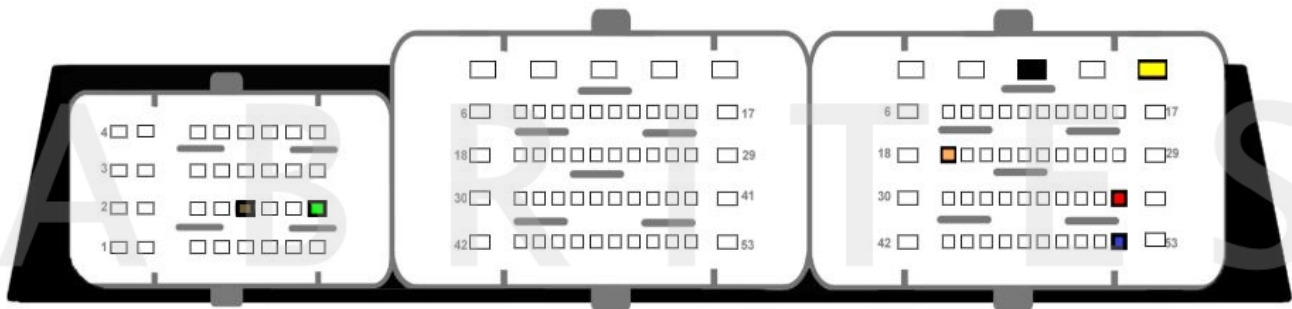


*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

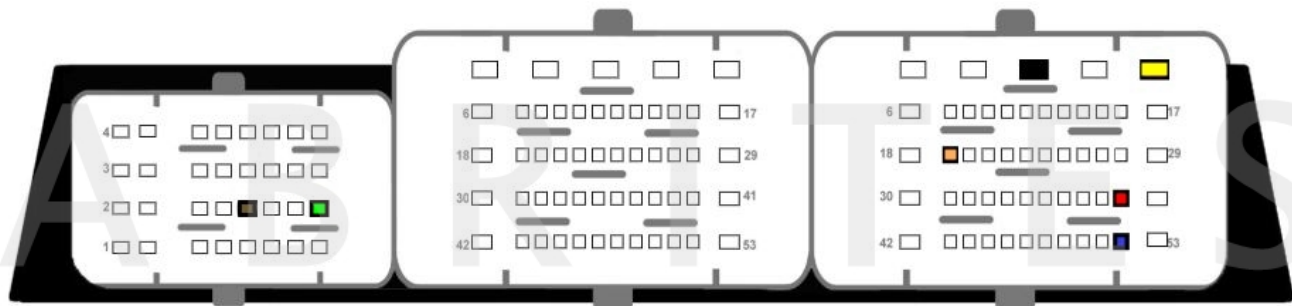
BOSCH EDC17CP52 TC1797 - Bench connection:



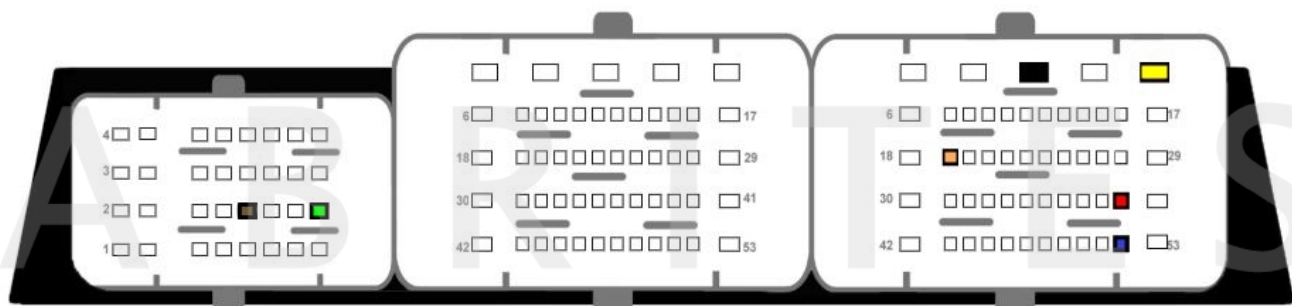
BOSCH MED17.4 TC1766 - Bench connection:



BOSCH MED17.4 TC1767 - Bench connection:

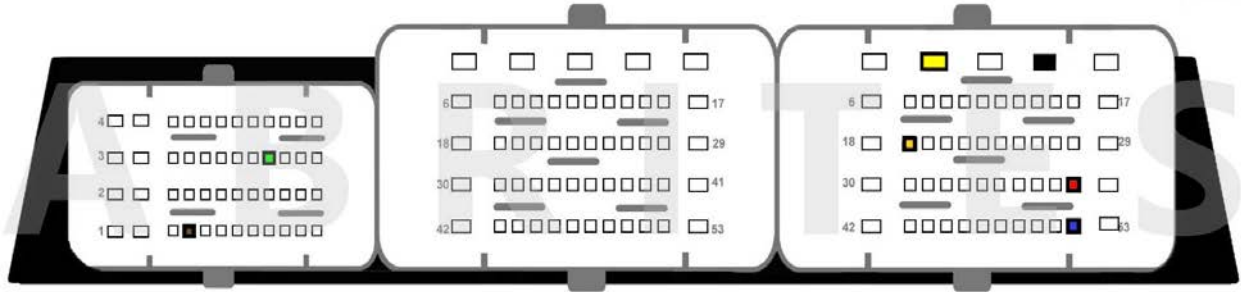


BOSCH MED17.4 TC1796 - Bench connection:

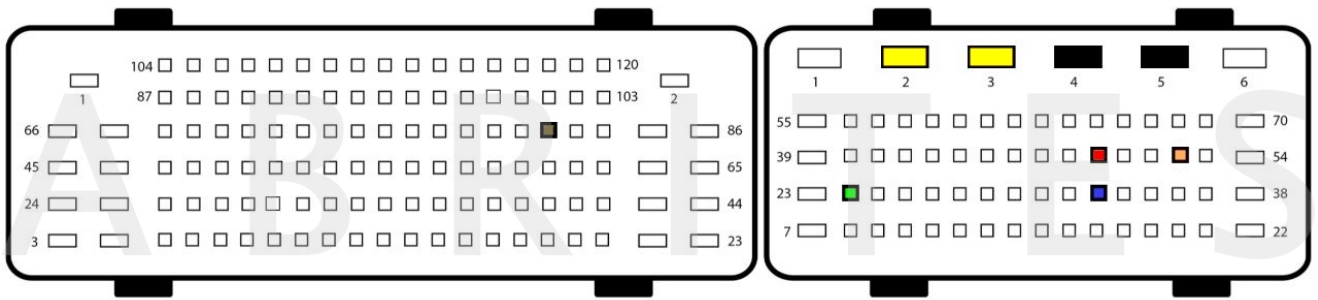


DS

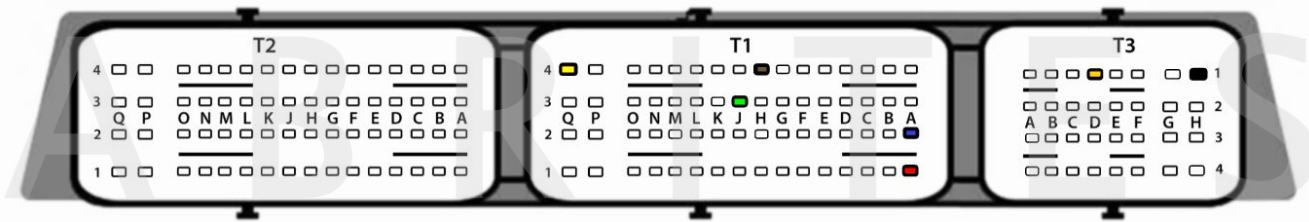
BOSCH EDC17C10 TC1797 - Bench connection:



BOSCH EDC17C60 TC1793 - Bench connection:

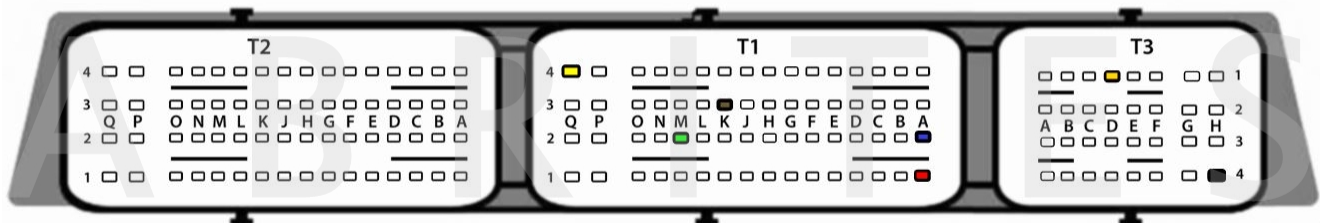


BOSCH EDC42 TC1767 - Bench connection:

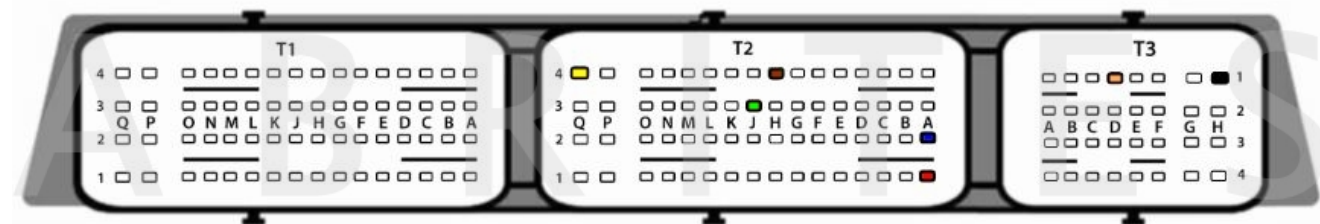


Dacia

BOSCH EDC17C84 TC1782/EDC17C84_NEW - Bench connection:

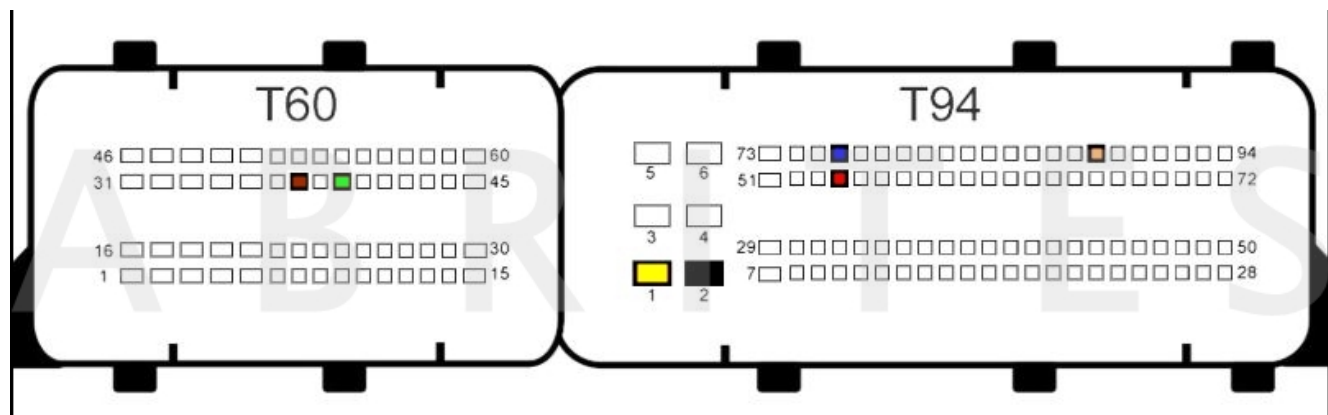


BOSCH EDC17CP19 TC1766 - Bench connection:

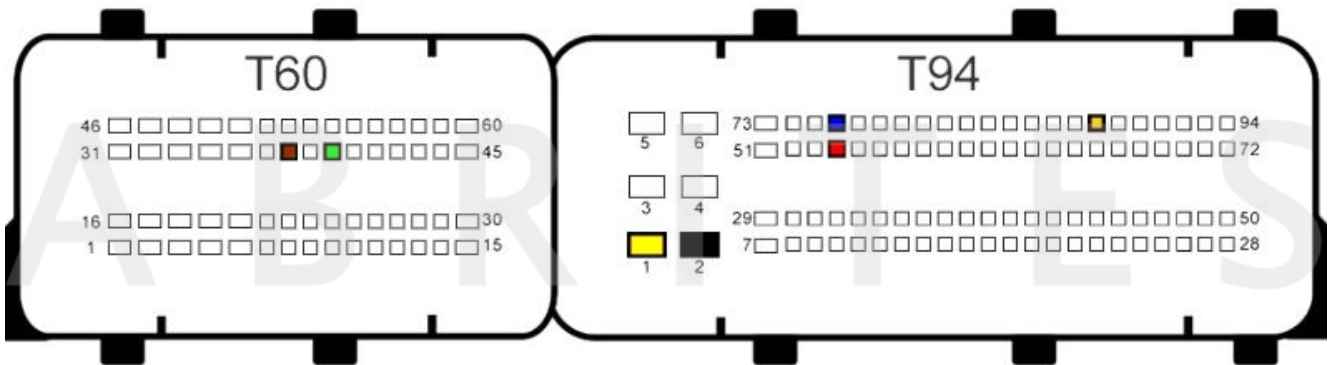


Deutz

BOSCH EDC17CV54 TC1797 - Bench connection:



BOSCH EDC17CV56 TC1797 - Bench connection:

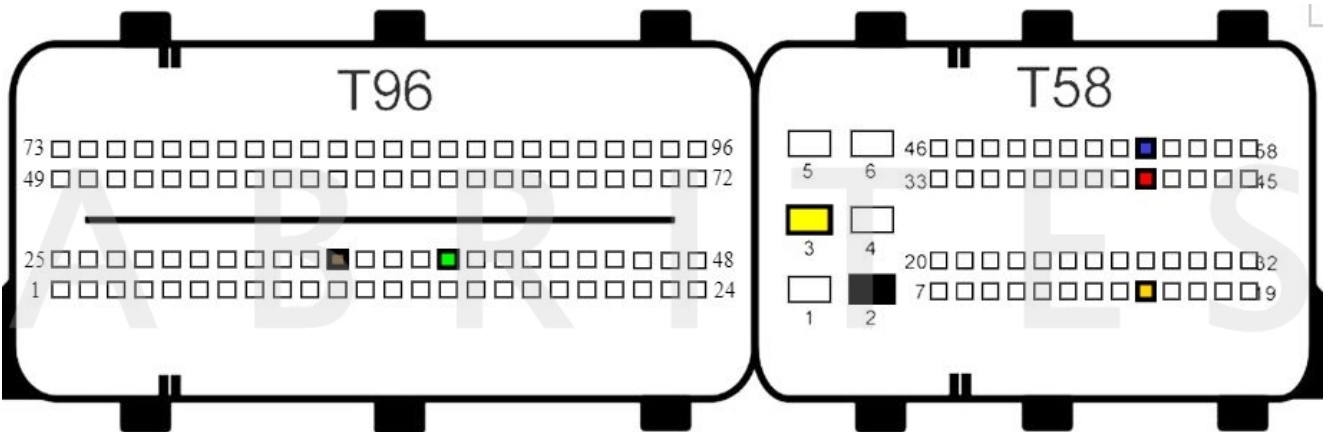


Dodge

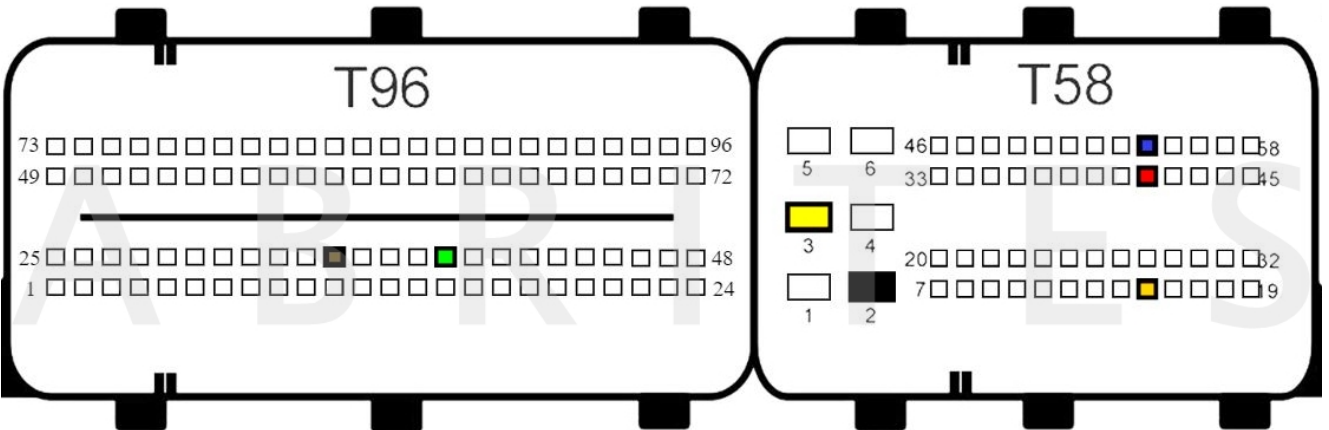
BOSCH EDC17C79 TC1797 - Bench connection:



BOSCH EDC17CP10 TC1796 - Bench connection:

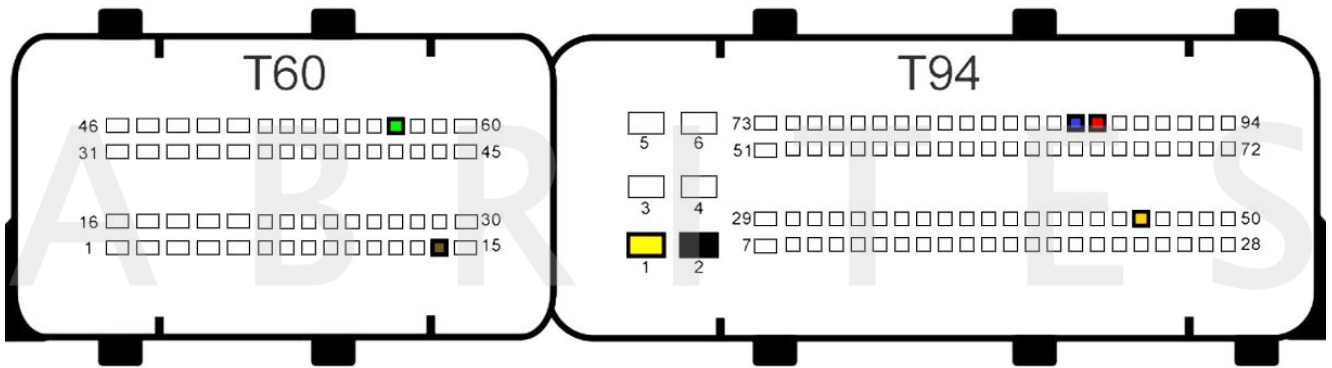


BOSCH EDC17CP46 TC1797 - Bench connection:



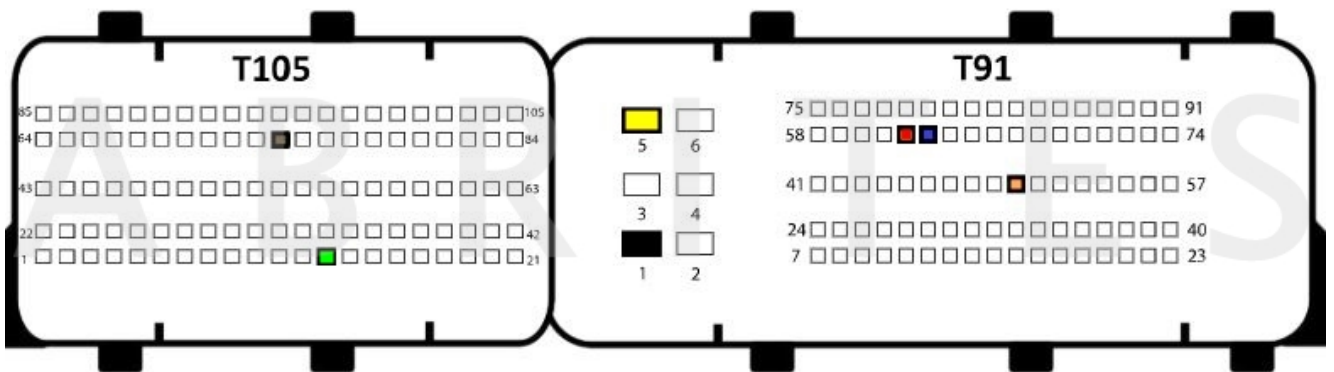
FODAY

BOSCH EDC17C53 TC1767 - Bench connection:



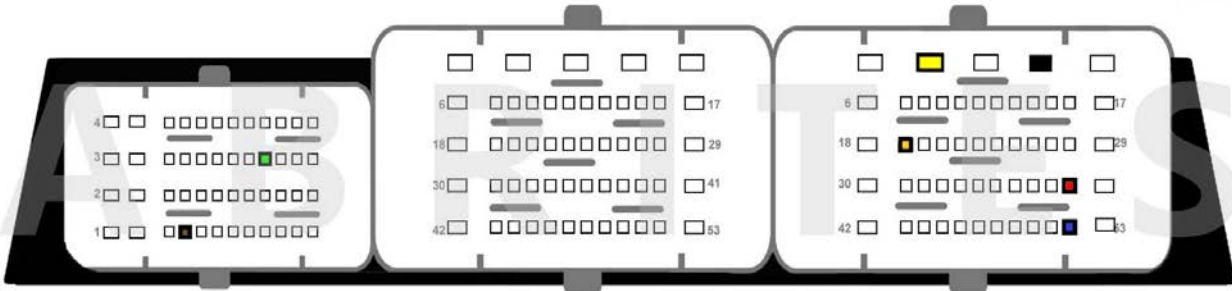
Ferrari

BOSCH MED17.3.5 TC1793 - Bench connection:

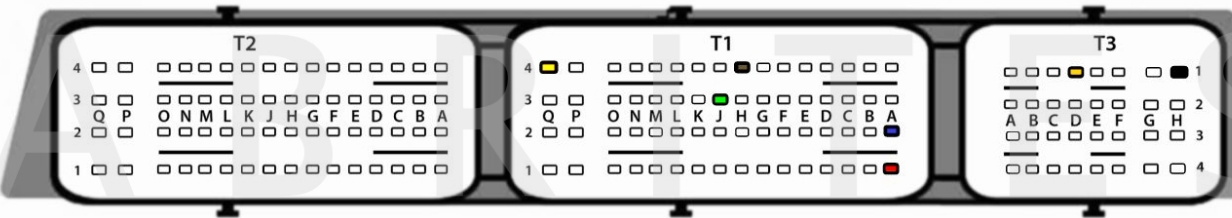


Fiat

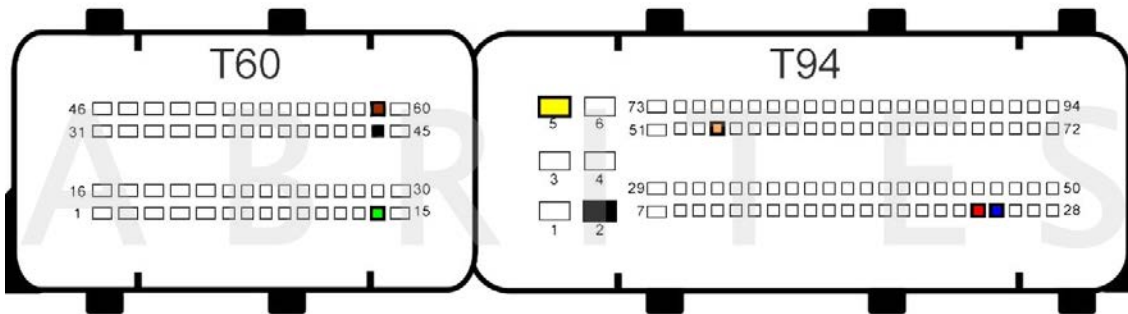
BOSCH EDC17C10 TC1797 - Bench connection:



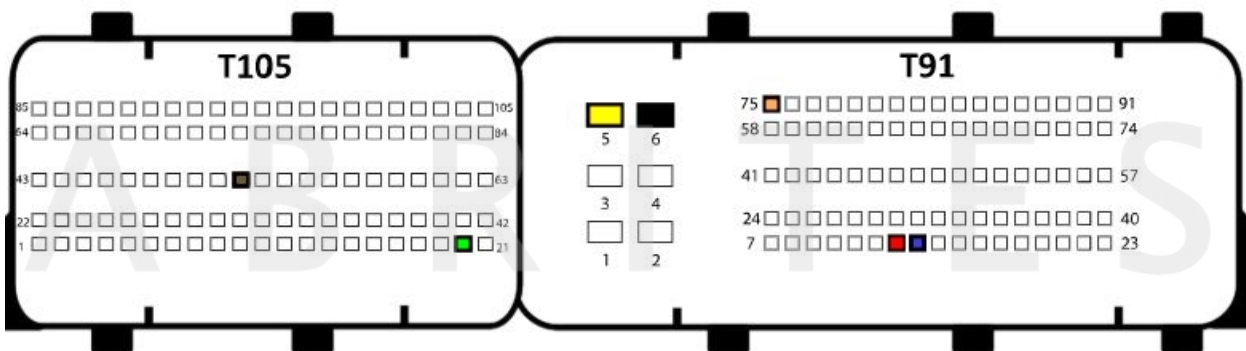
BOSCH EDC17C42 TC1767 - Bench connection:



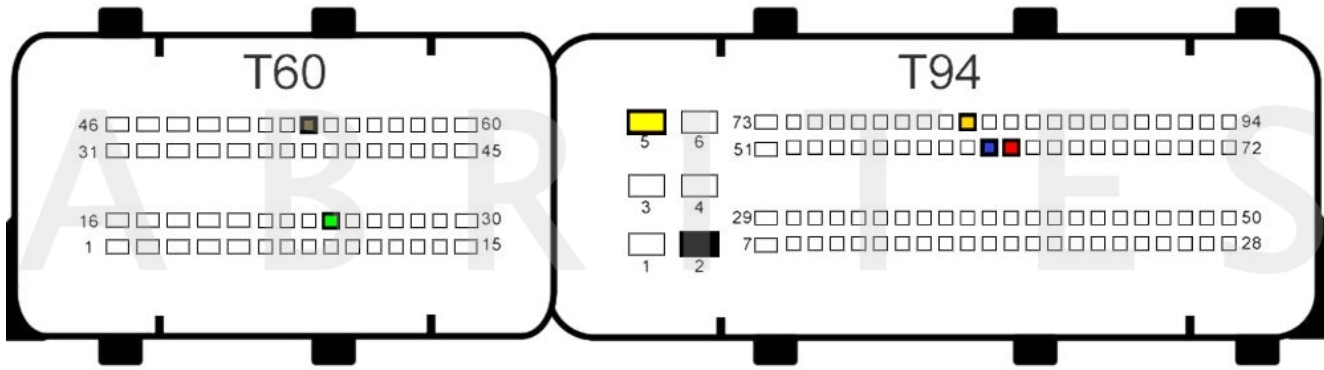
BOSCH EDC17C49 TC1797 - Bench connection:



BOSCH EDC17C69 TC1793 - Bench connection:

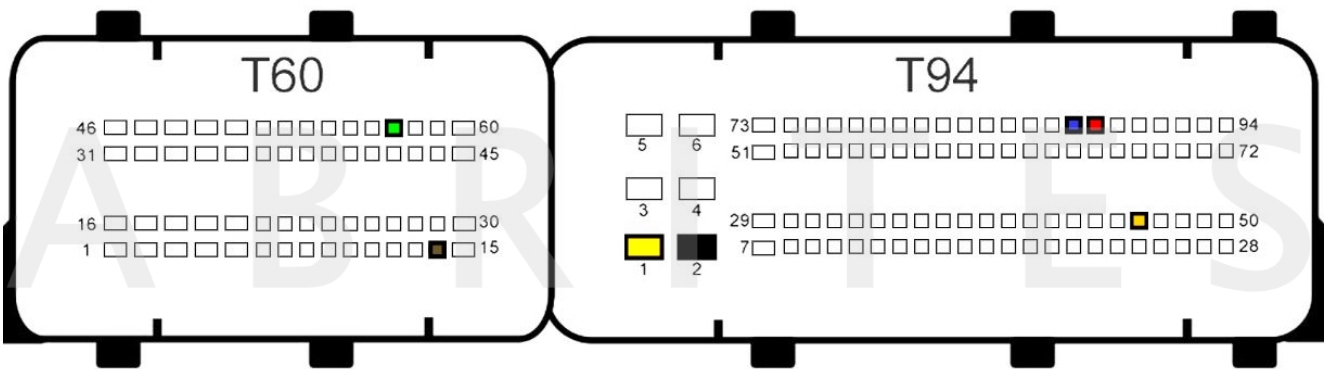


BOSCH EDC17CP52 TC1797 - Bench connection:



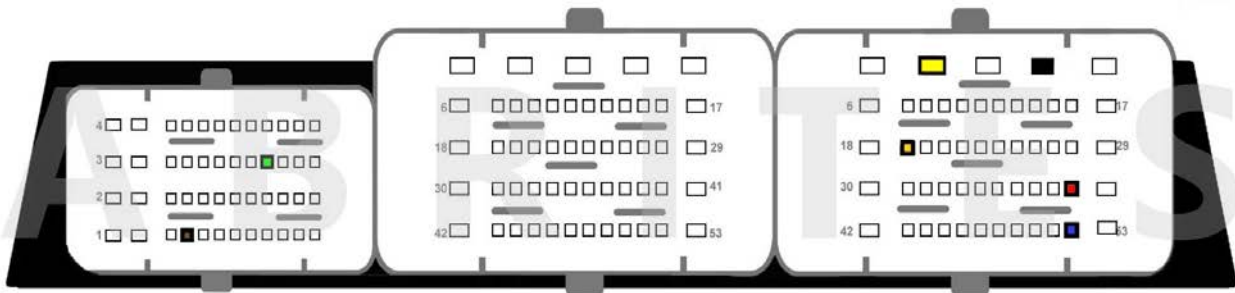
Force

BOSCH EDC17C53 TC1767 - Bench connection:

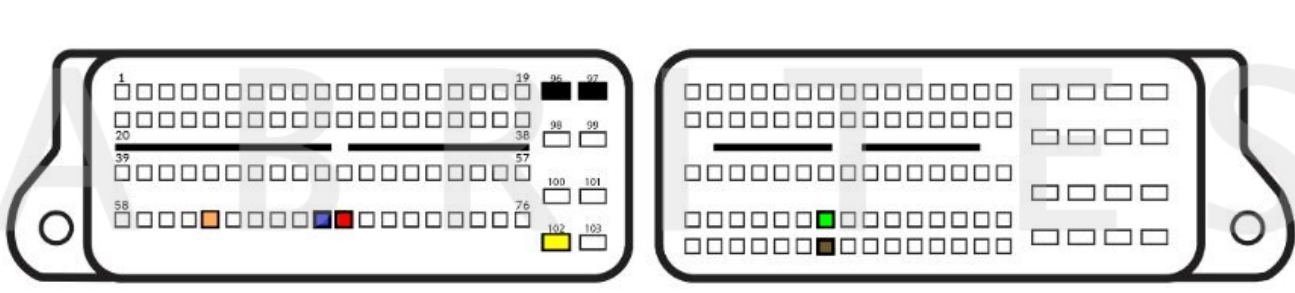


Ford

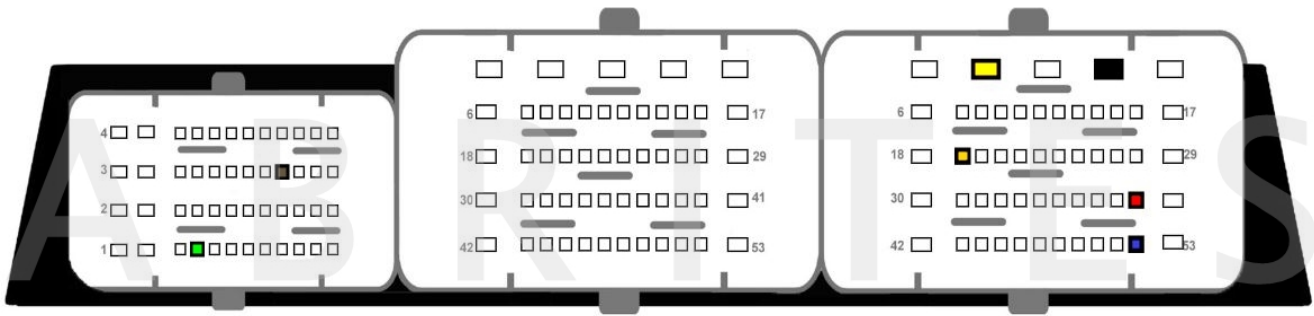
BOSCH EDC17C10 TC1797 - Bench connection:



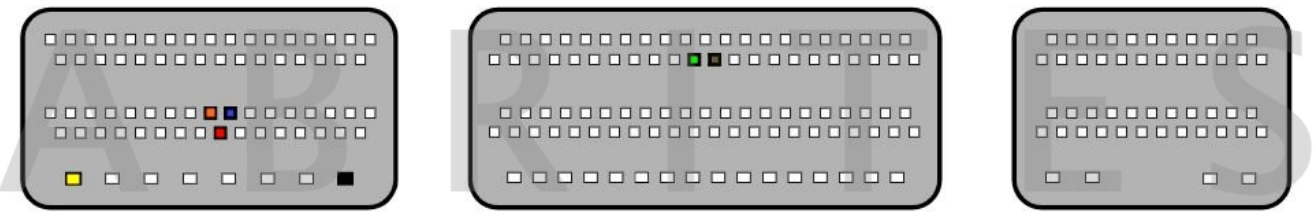
BOSCH EDC17C70 TC1793 - Bench connection:



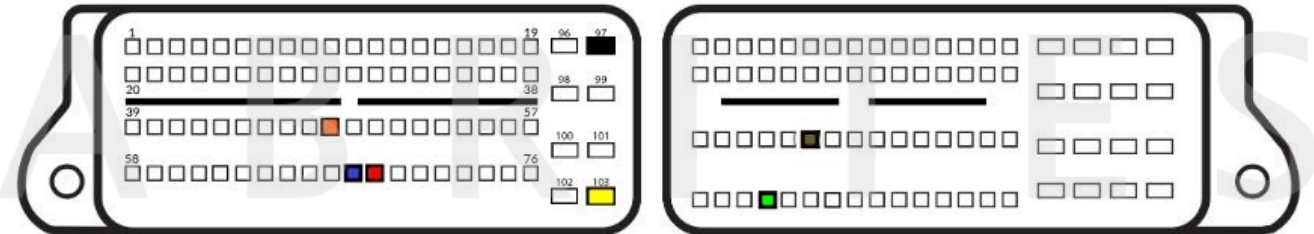
BOSCH EDC17CP42 TC1797 - Bench connection:



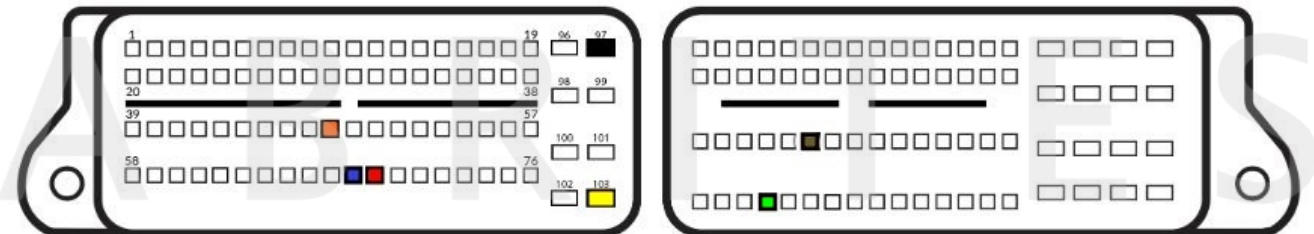
BOSCH EDC17CP65 TC1793 - Bench connection:



BOSCH MED17.0.1 TC1767 - Bench connection:

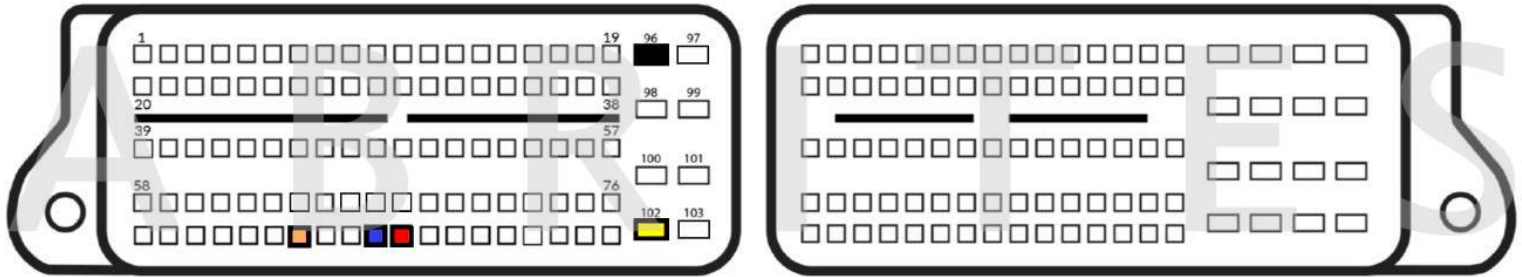


BOSCH MED17.0.7 TC1782 - Bench connection:

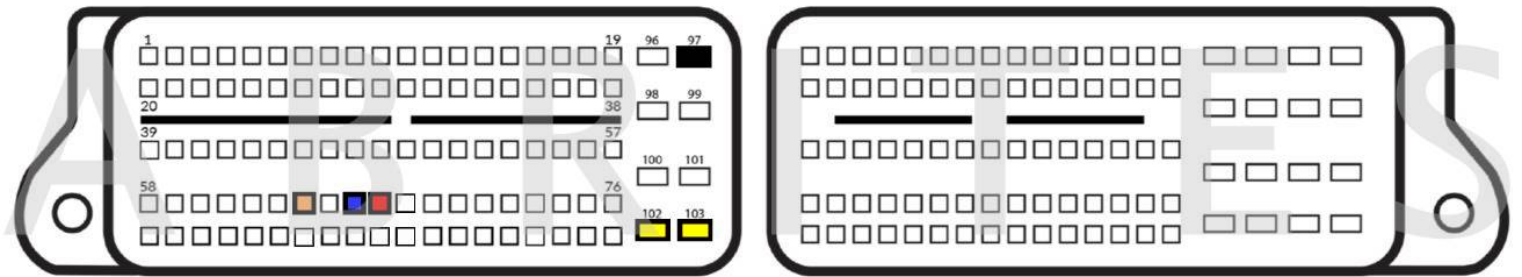


Fomoco

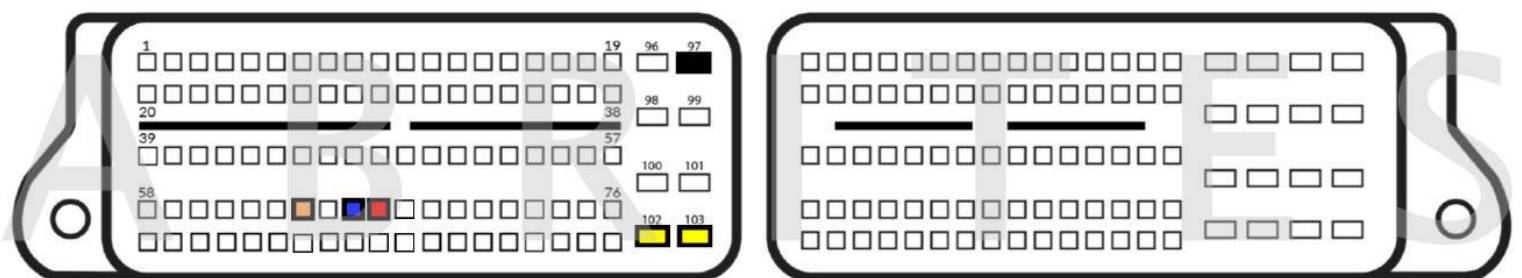
BOSCH MG1CS015 TC277TP - Bench connection:



BOSCH MG1CS015 TC277TP - Bench connection:



BOSCH MG1CS017 TC275TP - Bench connection:



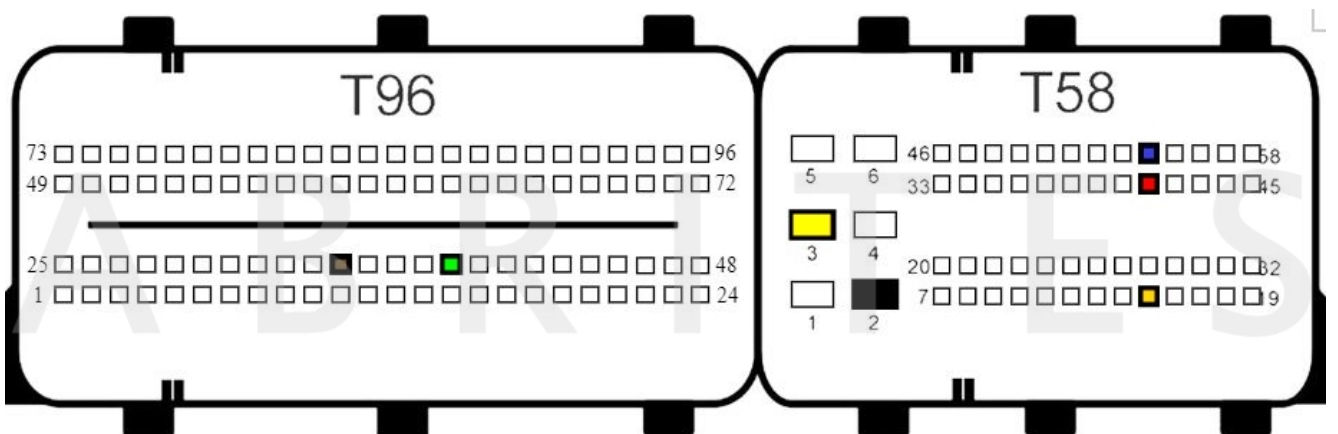
Ford Trucks

BOSCH EDC17CP05 TC1796 - Diagram coming soon

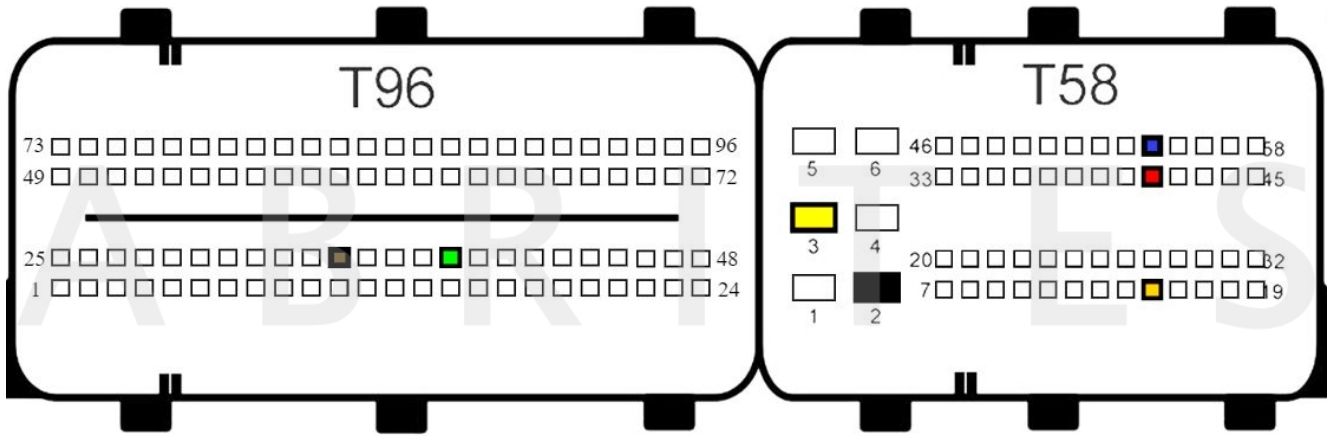
BOSCH EDC17CP05 TC1797 - Diagram coming soon

Freightliner

BOSCH EDC17CP10 TC1796 - Bench connection:



BOSCH EDC17CP46 TC1797 - Bench connection:

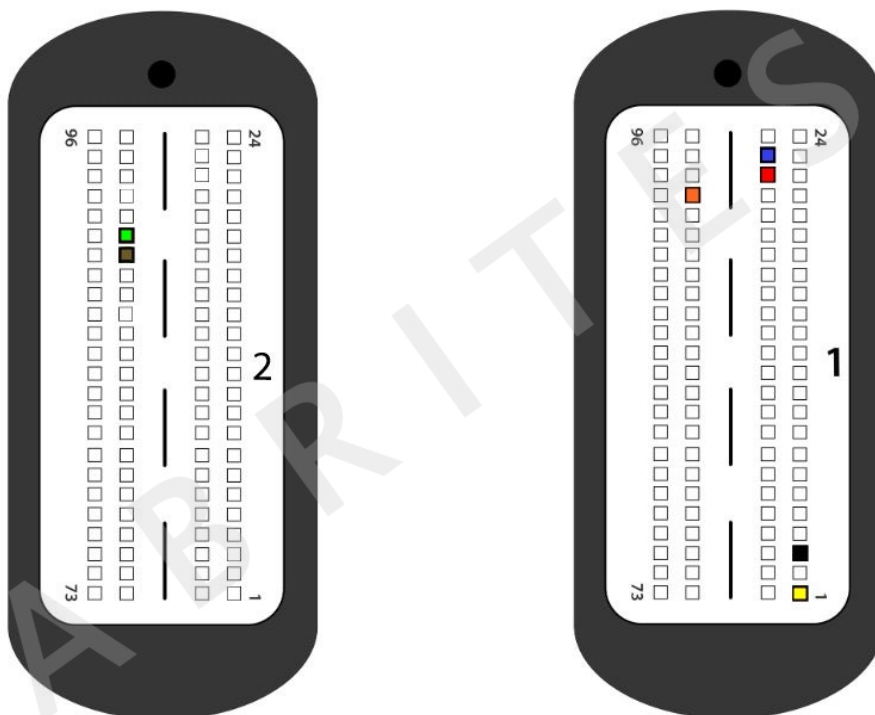


GMC

BOSCH EDC17CP18 TC1796 - Diagram coming soon

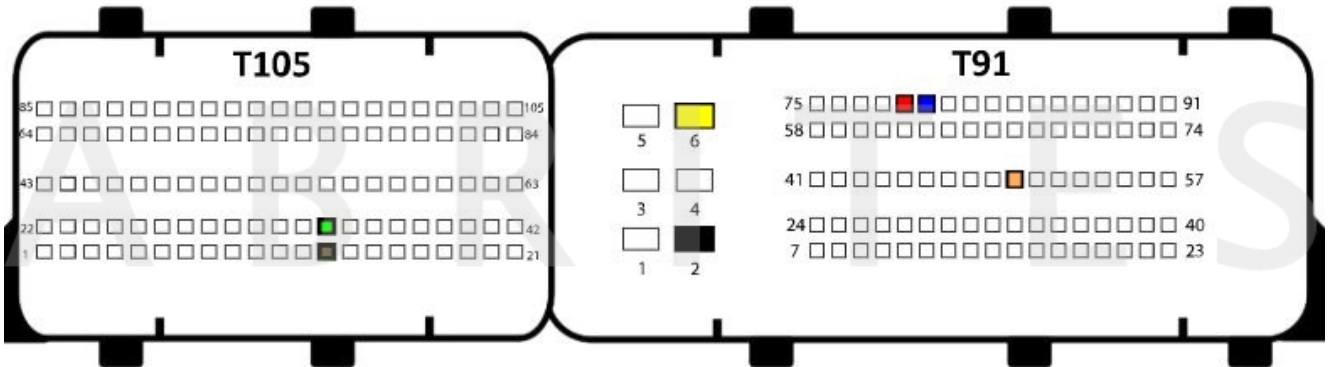
BOSCH EDC17CP18 TC1797 - Diagram coming soon

BOSCH EDC17CV41 TC1797 - Bench connection:



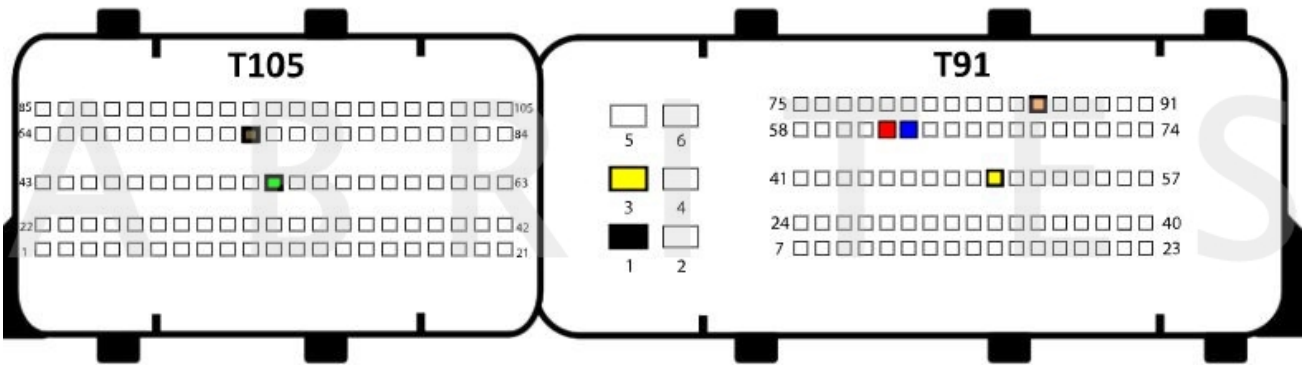
Geely

BOSCH MED17.8.3 TC1797 - Bench connection:



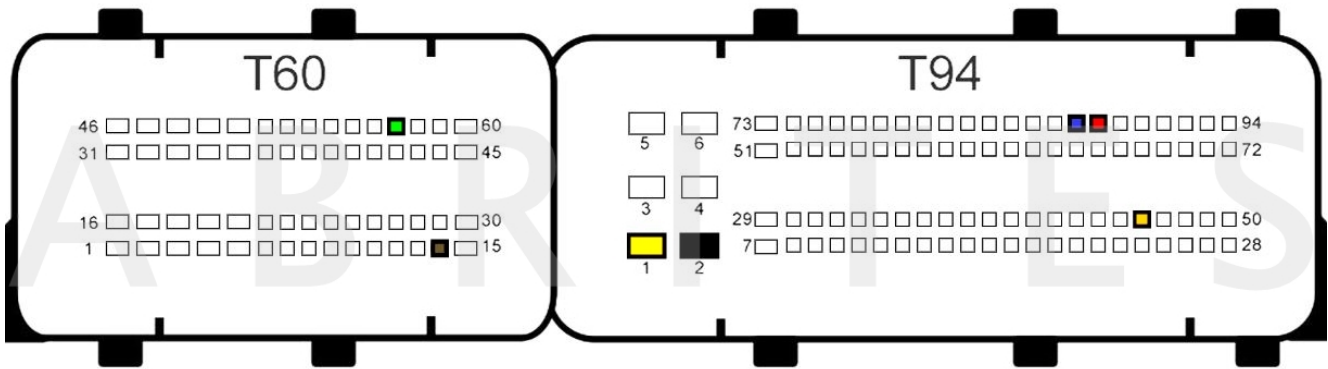
Genesis Motors

BOSCH MED17.9.30 TC1793 - Bench connection:



Great Wall

BOSCH EDC17C53 TC1767 - Bench connection:



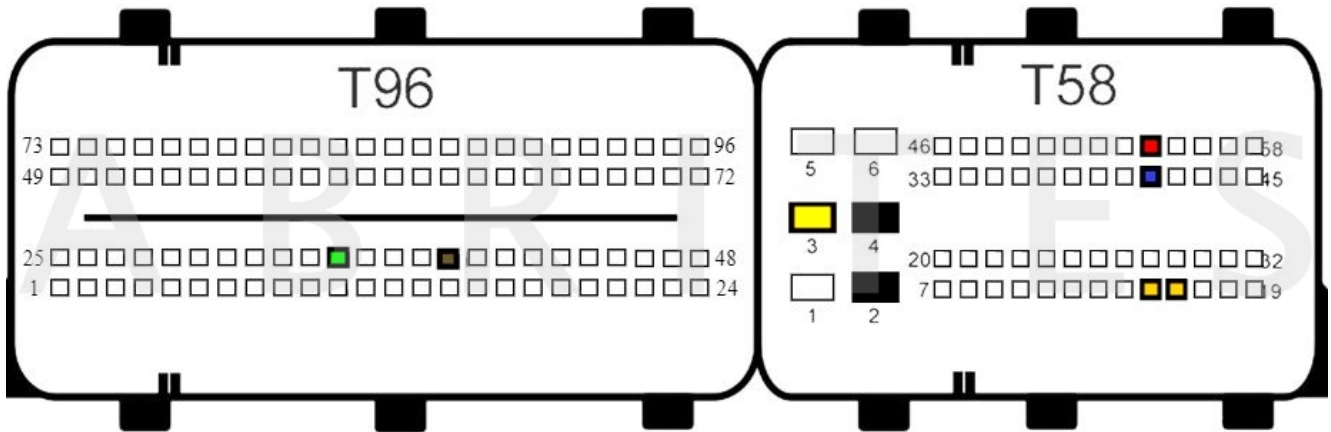
Honda

BOSCH EDC17C58 TC1793 - Diagram coming soon

BOSCH EDC17CP06 TC1792 - Diagram coming soon

BOSCH EDC17CP16 TC1796 - Diagram coming soon

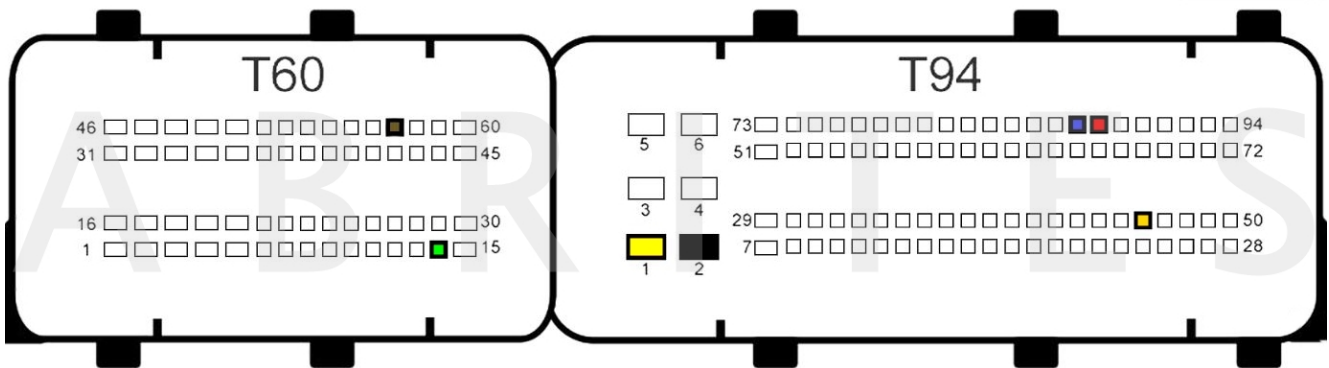
BOSCH EDC17CP50 TC1797 - Bench connection:



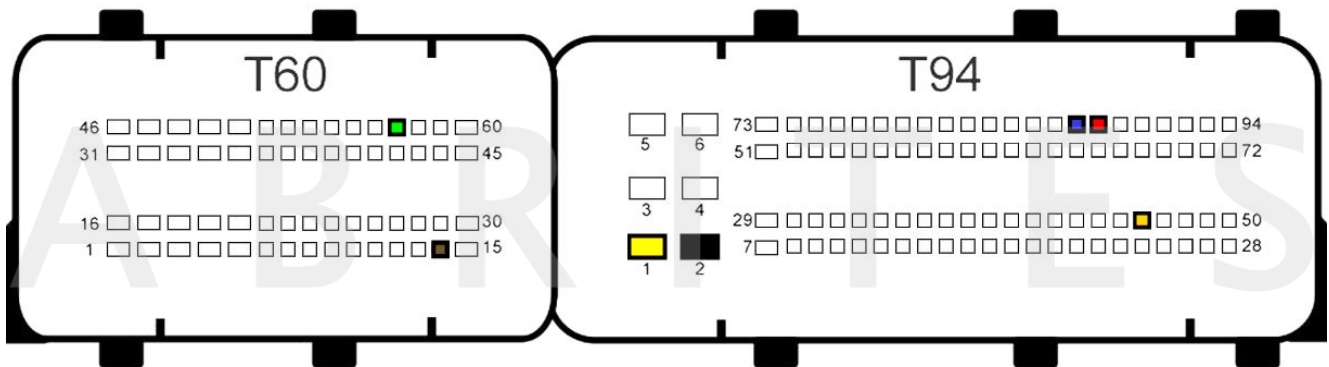
BOSCH MED17.9.3 TC1793 - Diagram coming soon

Hyundai

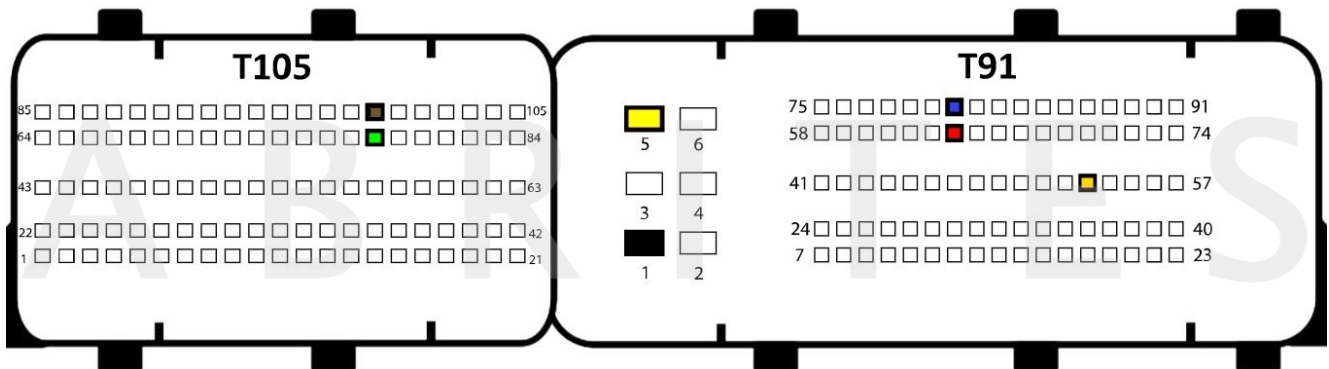
BOSCH EDC17C08 TC1766 - Bench connection:



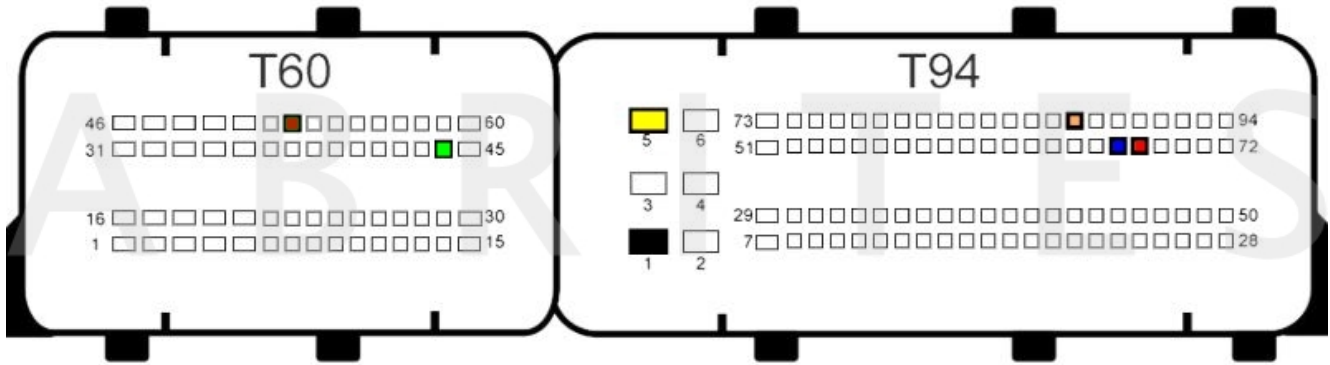
BOSCH EDC17C53 TC1767 - Bench connection:



BOSCH EDC17C57 TC1793 - Bench connection:



BOSCH EDC17CP14 TC1796 - Bench connection:



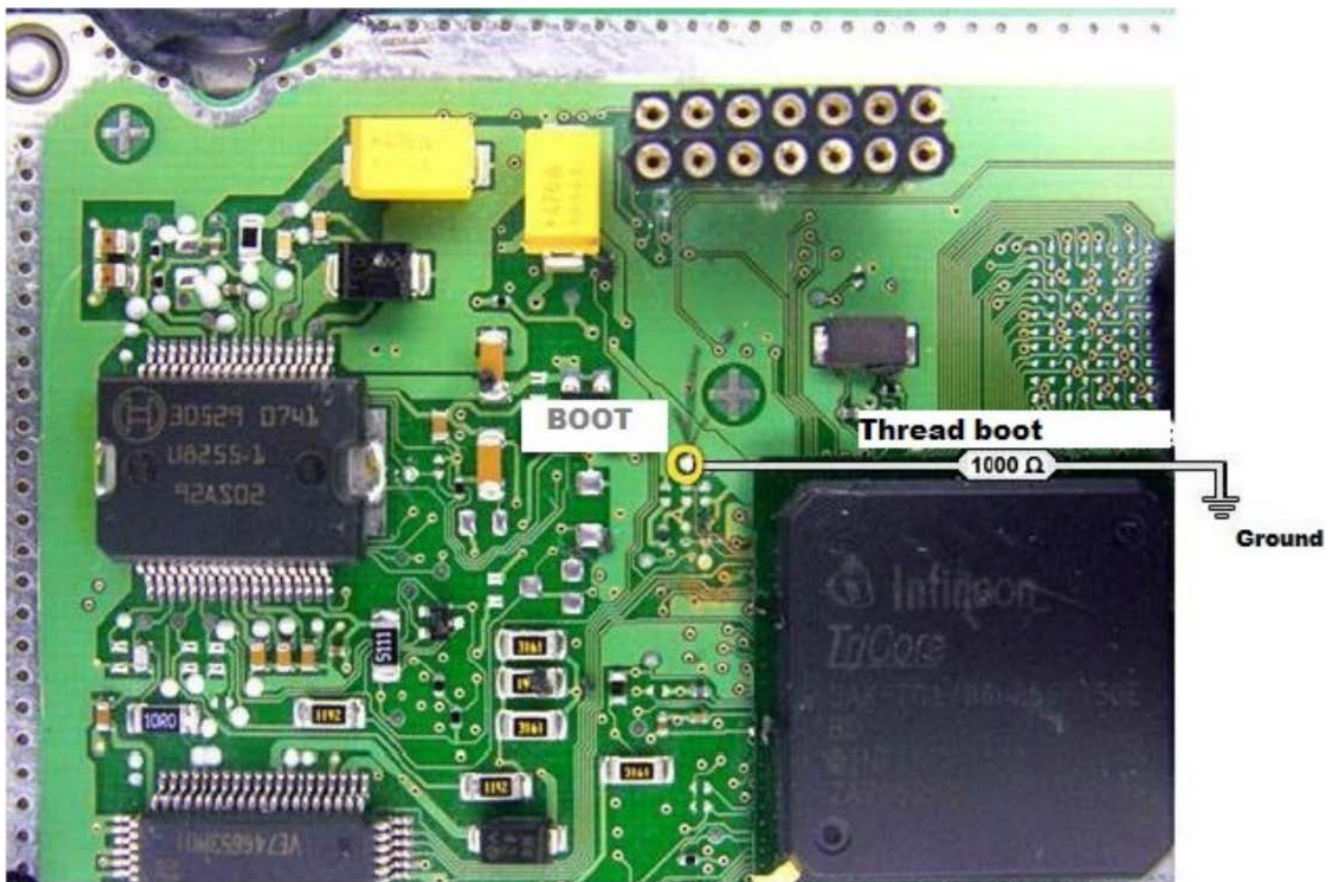
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

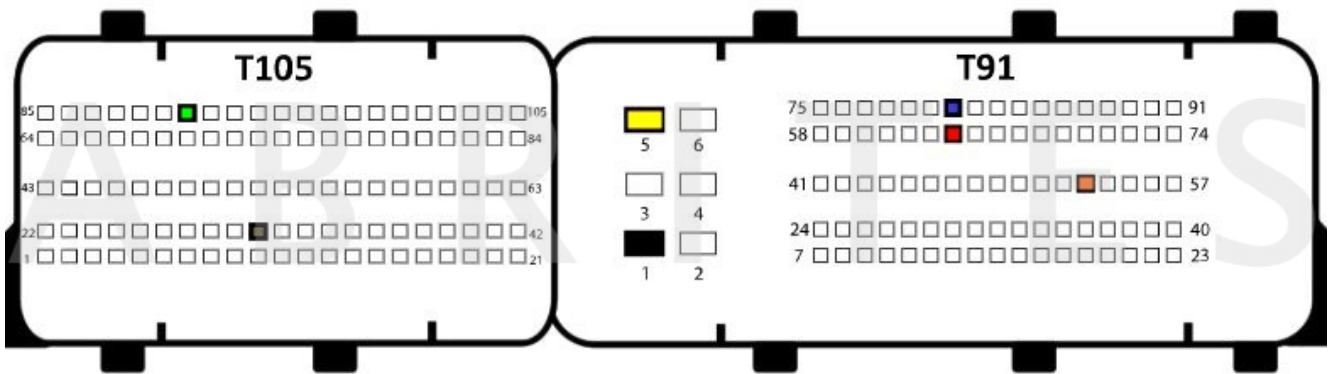
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP14 MASTER TC1796 - BSL connection:

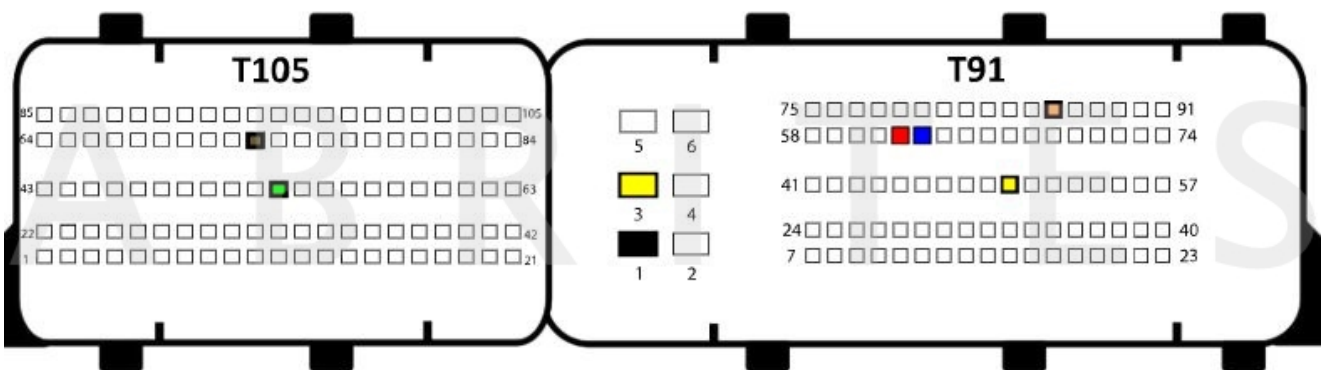


*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17CP62 TC1793 - Bench connection:



BOSCH MED17.9.30 TC1793 - Bench connection:



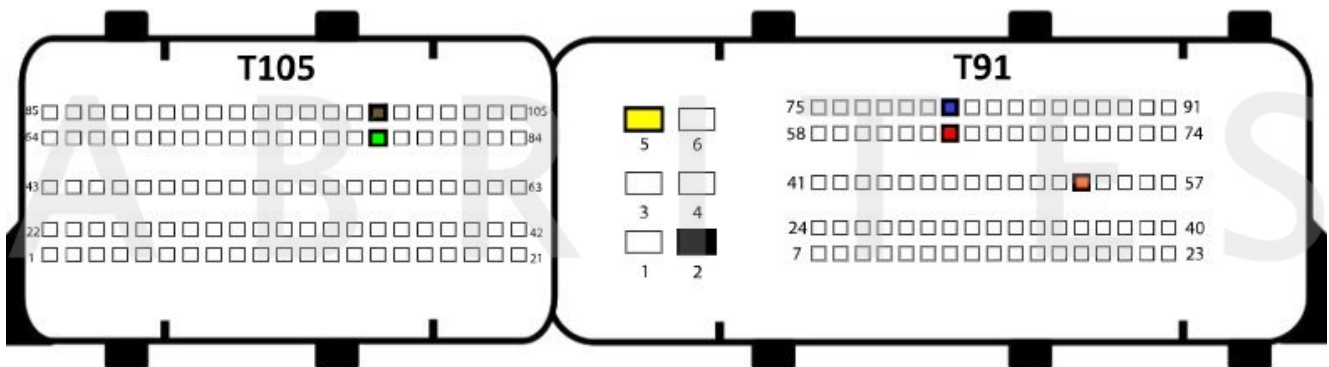
BOSCH MED17.9.8 TC1767 - Diagram coming soon

BOSCH MEDG17.9.2 TC1767 - Diagram coming soon

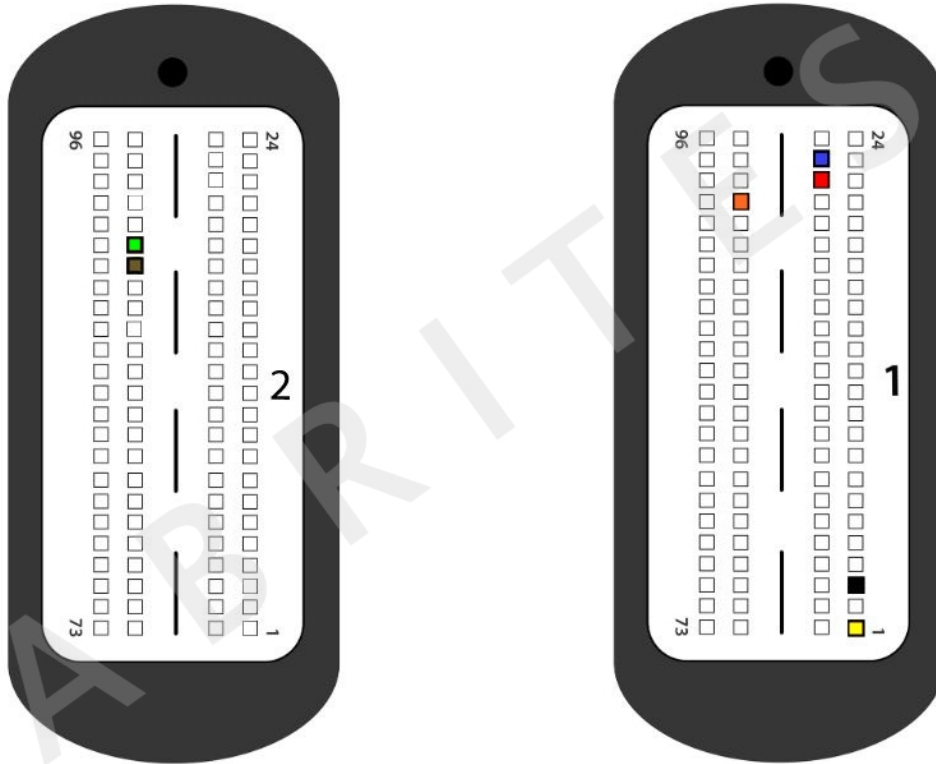
BOSCH MEDG17.9.8 TC1767 - Diagram coming soon

Isuzu

BOSCH EDC17C83 BOSCH TC1793 - Bench connection:

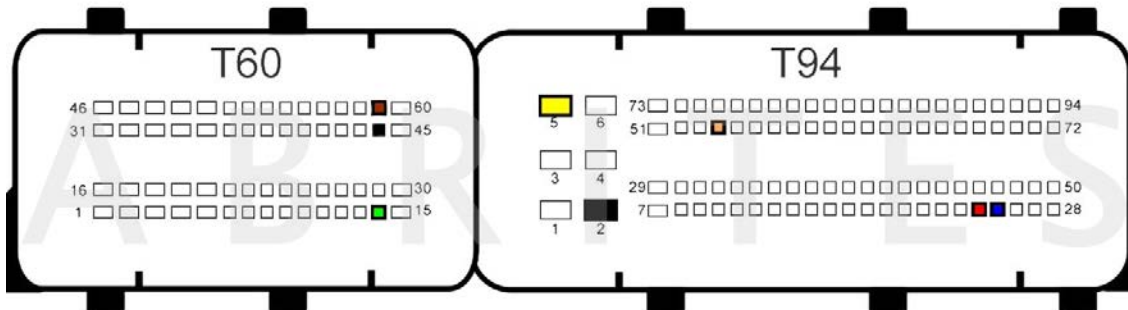


BOSCH EDC17CV41 TC1797 - Bench connection:

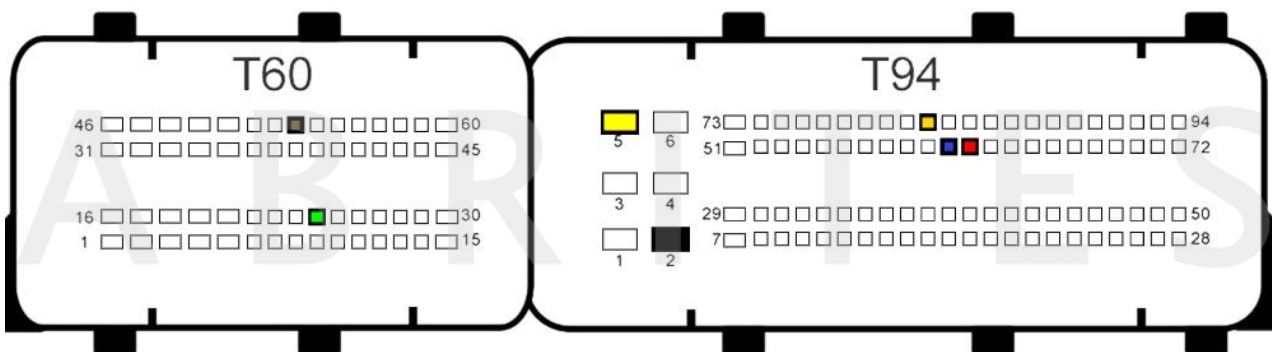


Iveco

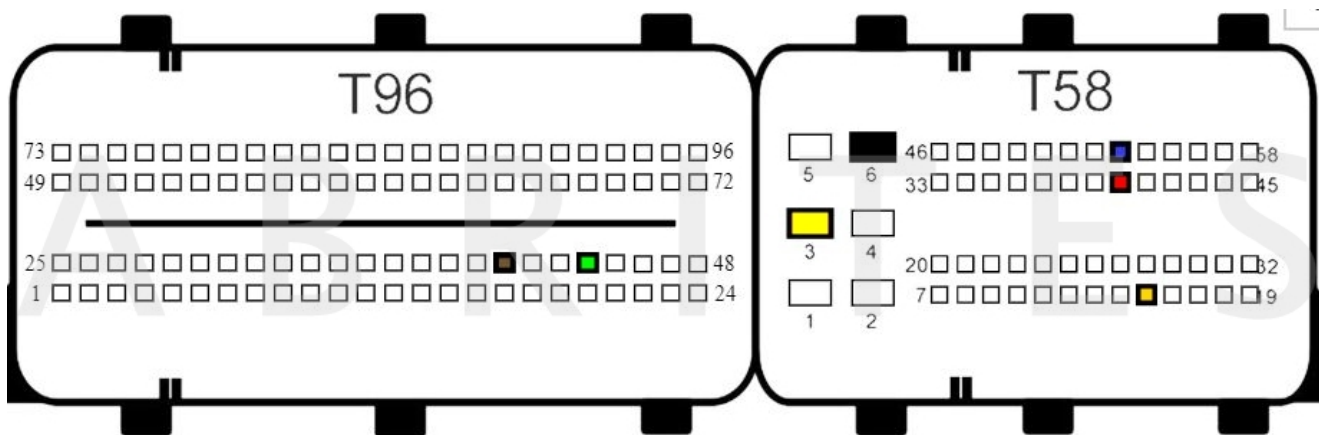
BOSCH EDC17C49 TC1797 - Bench connection:



BOSCH EDC17CP52 TC1797 - Bench connection:



BOSCH EDC17CP11 TC1796 - Bench connection:



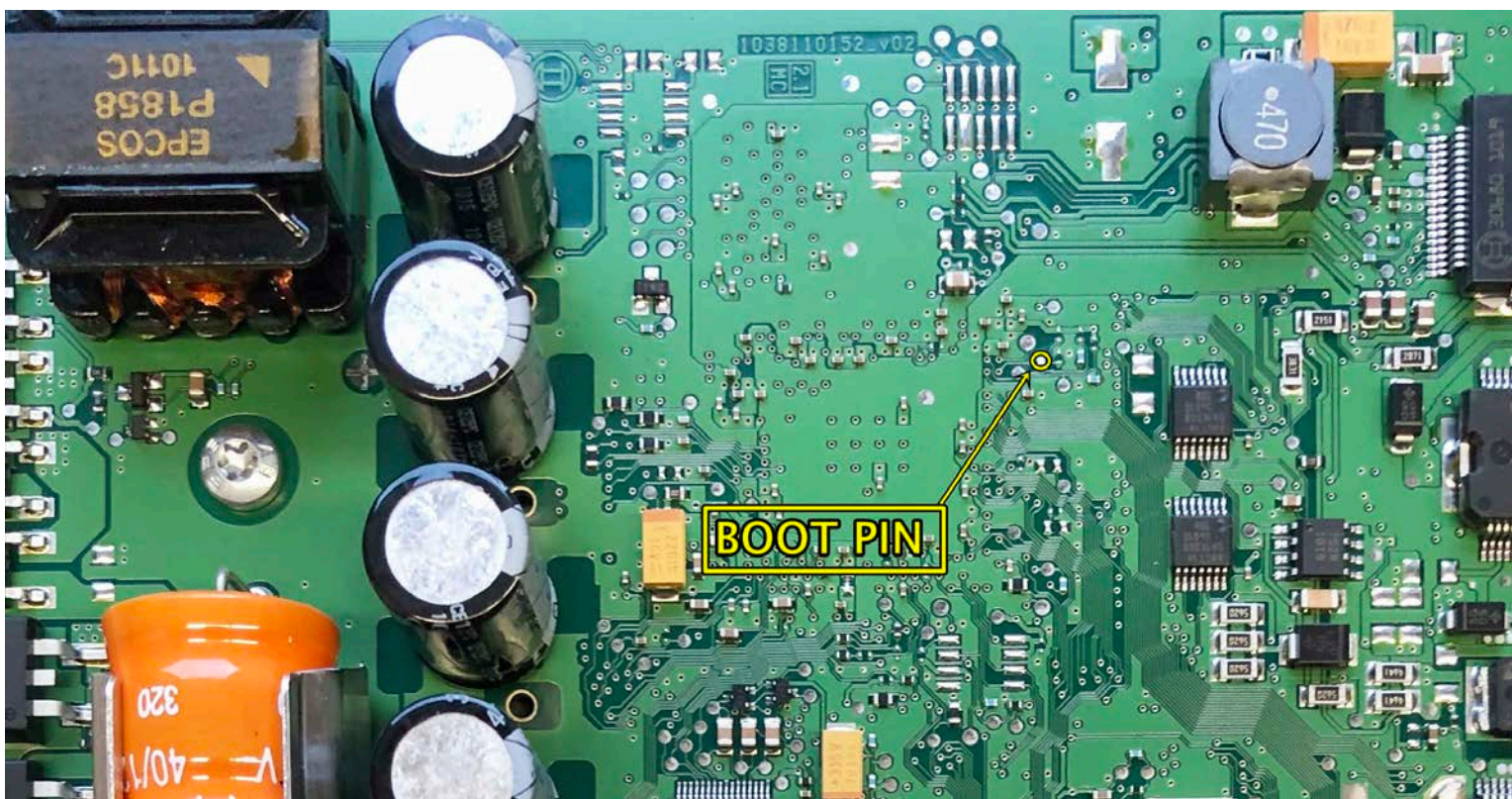
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

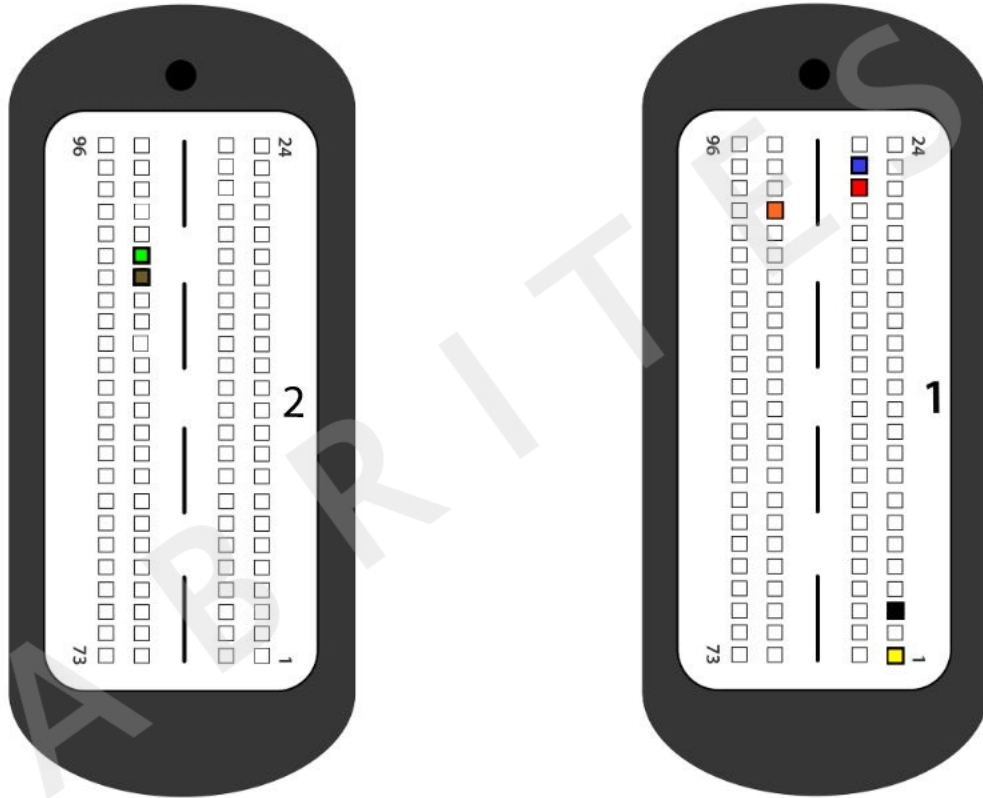
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP11 TC1796 - Boot connection:



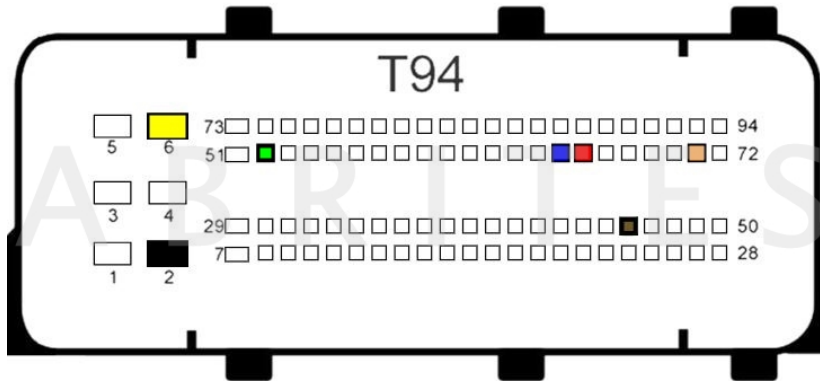
*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17CV41 TC1797 - Bench connection:



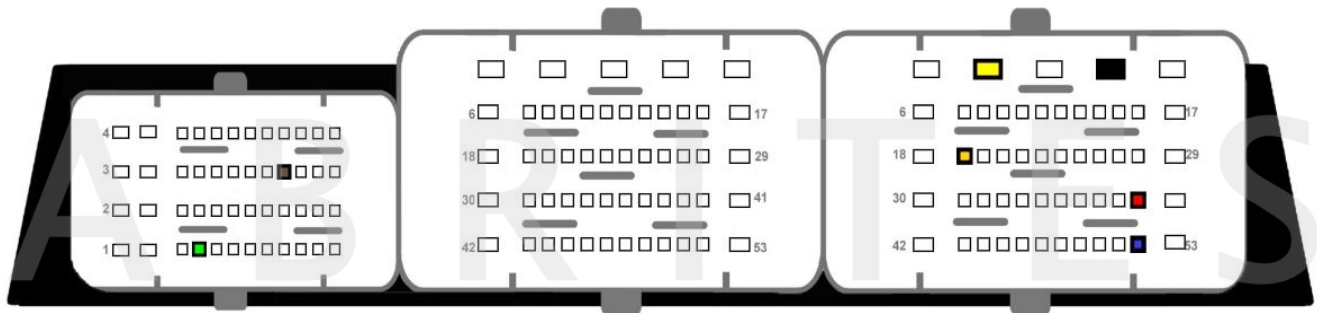
JM

BOSCH EDC17C55 TC1767 - Bench connection:

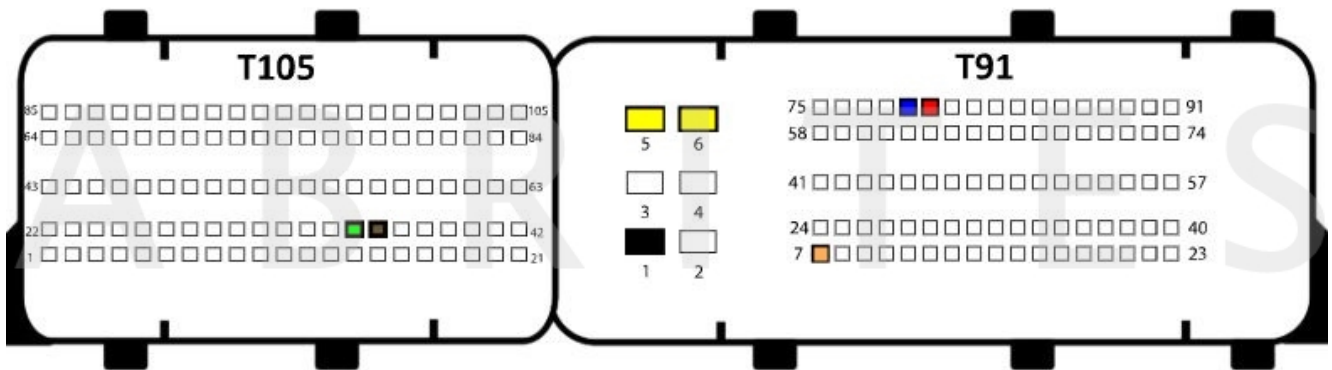


Jaguar

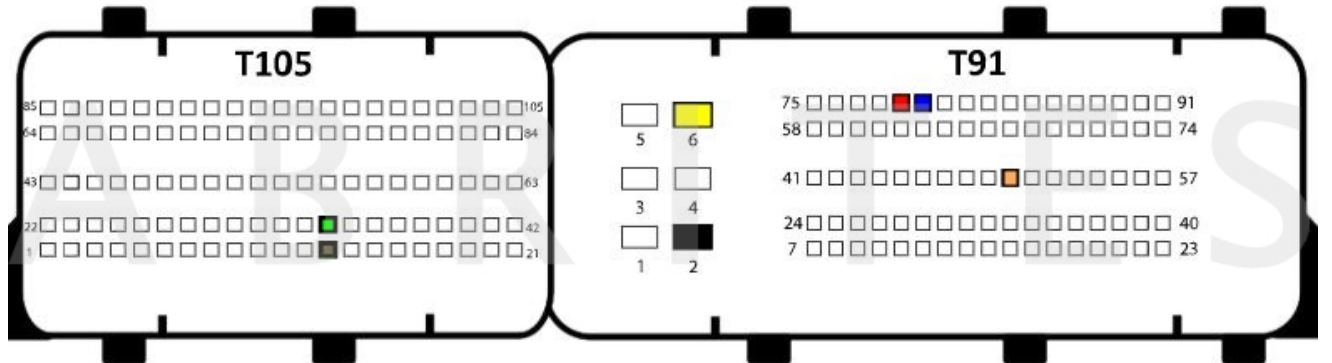
BOSCH EDC17CP42 TC1797 - Bench connection:



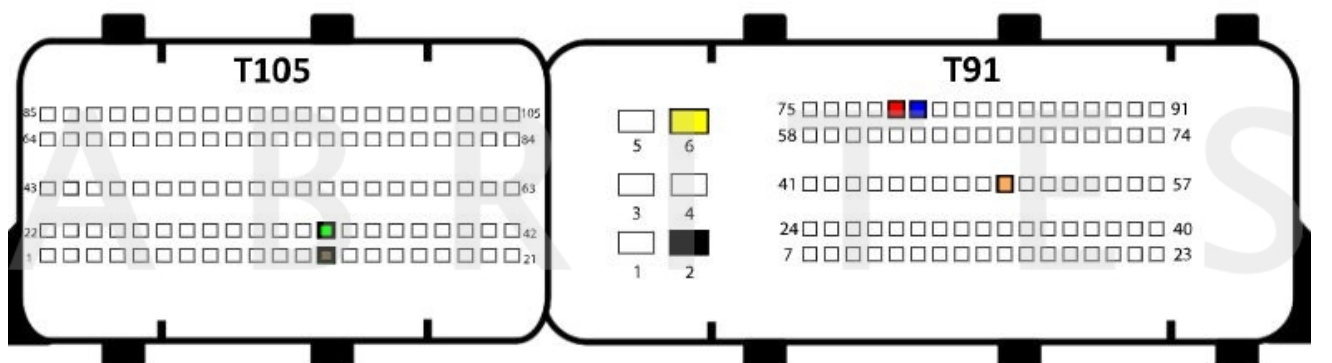
BOSCH EDC17CP55 TC1793 - Bench connection:



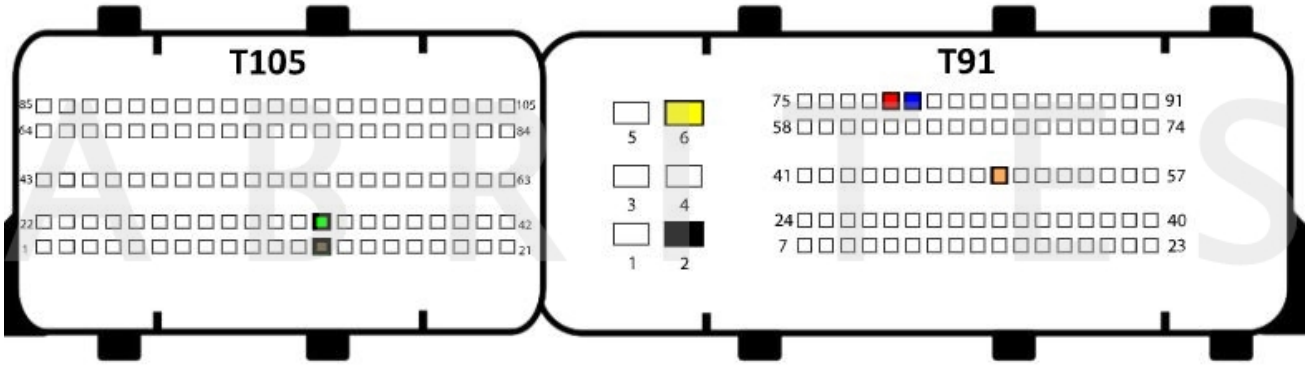
BOSCH MED17.8.3 TC1797 - Bench connection:



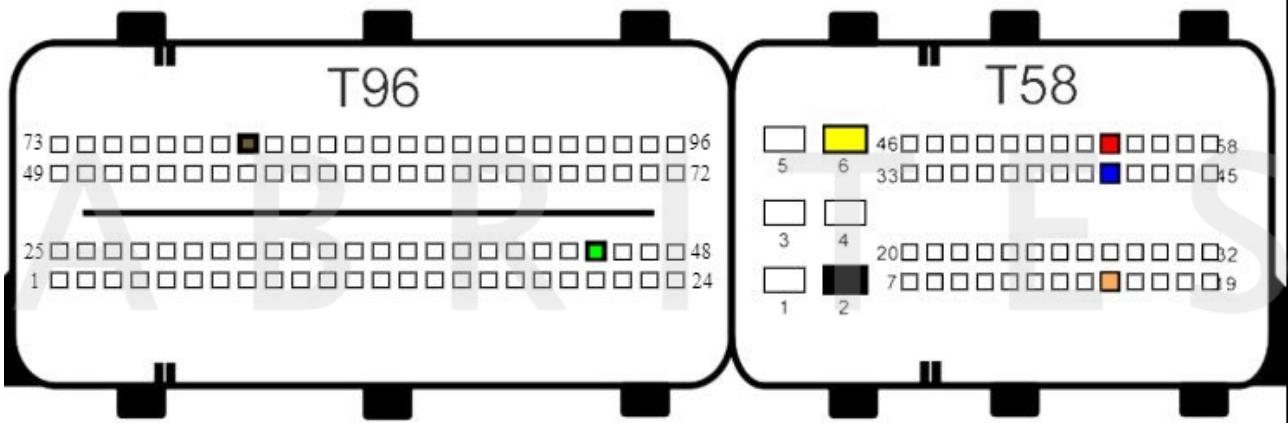
BOSCH MED17.8.31 TC1797 - Bench connection:



BOSCH MED17.8.32 TC1797 - Bench connection:

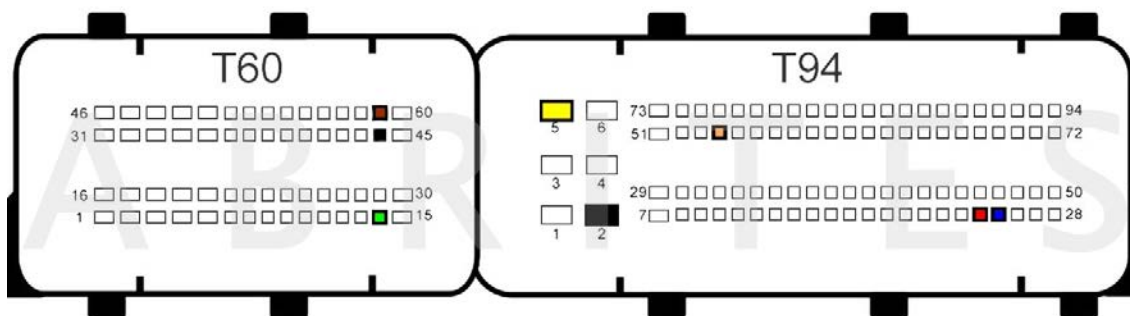


BOSCH MED17.9.7 TC1797 - Bench connection:

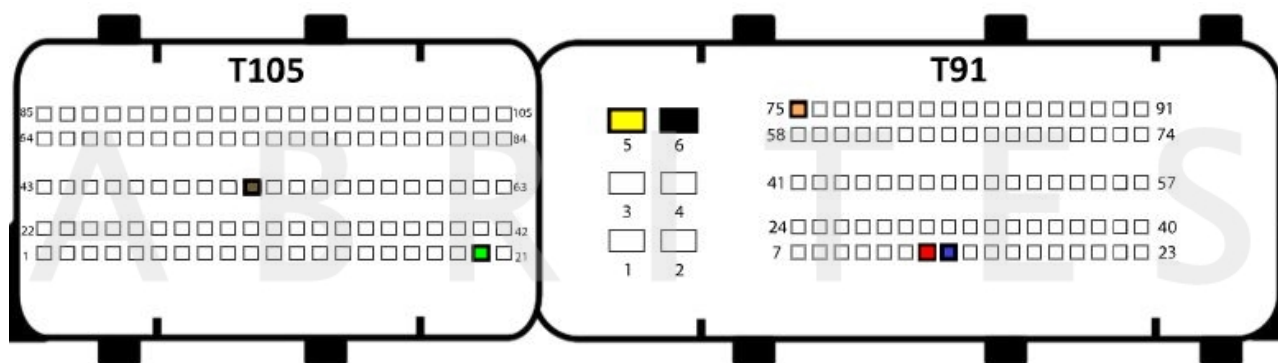


Jeep

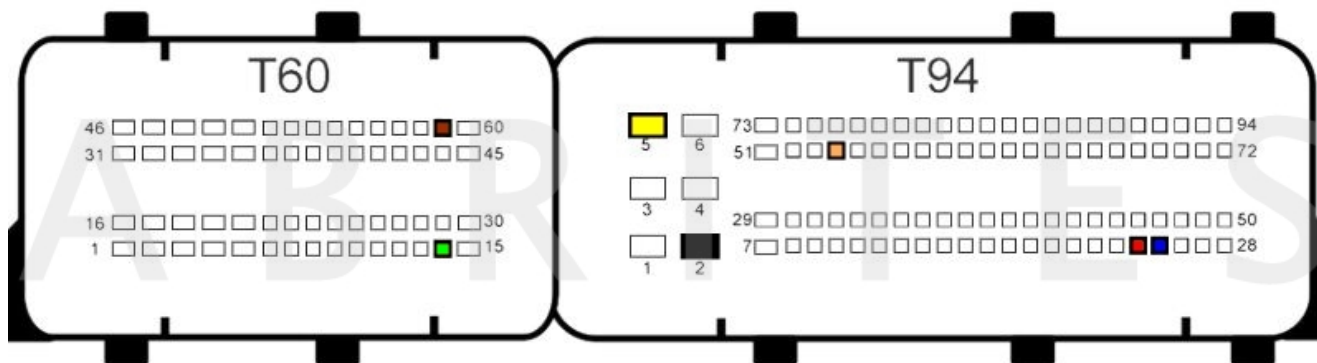
BOSCH EDC17C49 TC1797 - Bench connection:



BOSCH EDC17C69 TC1793 - Bench connection:



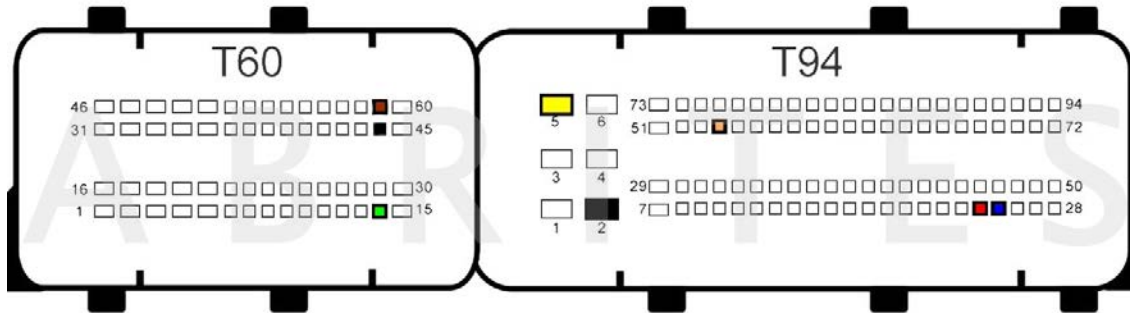
BOSCH EDC17C79 TC1797 - Bench connection:



BOSCH EDC17CP27 TC1796 - Diagram coming soon

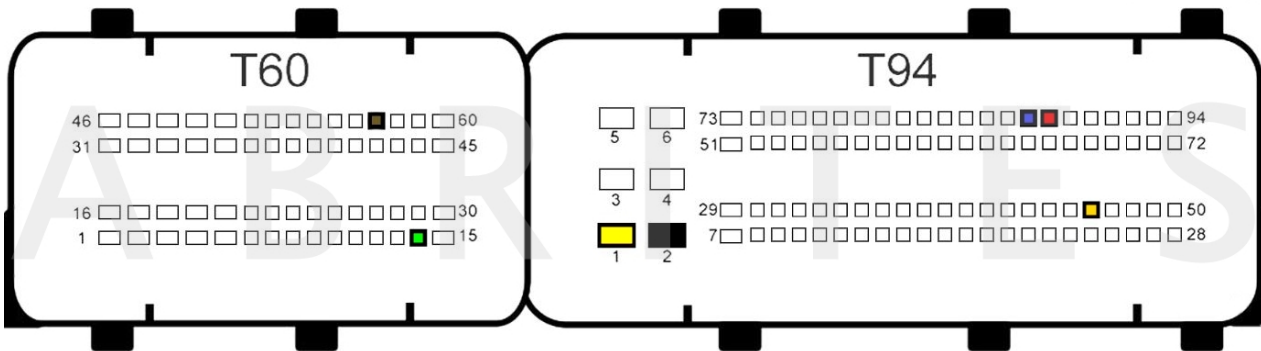
Karsan

BOSCH EDC17C49 TC1797 - Bench connection:

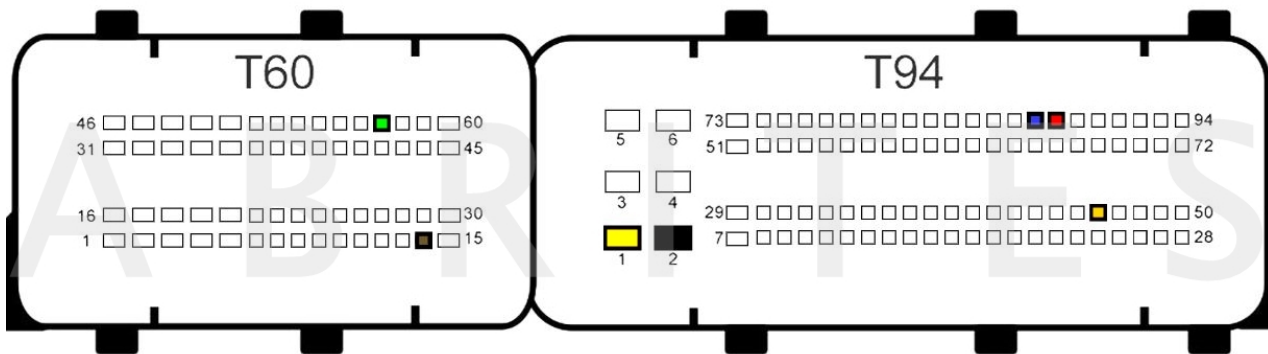


Kia

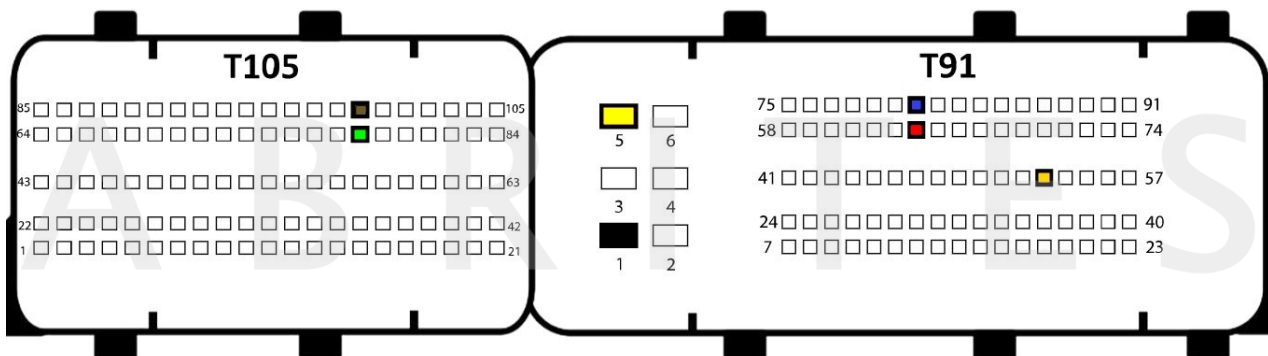
BOSCH EDC17C08 TC1766 - Bench connection:



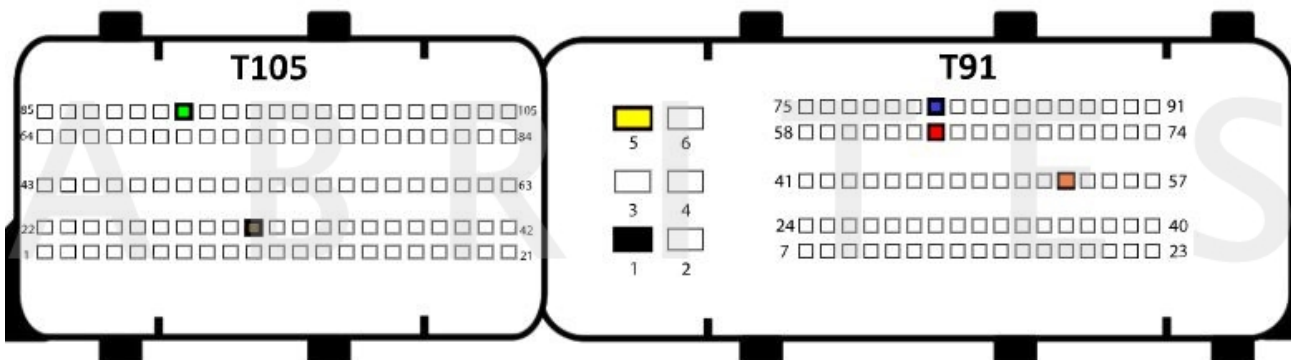
BOSCH EDC17C53 TC1767 - Bench connection:



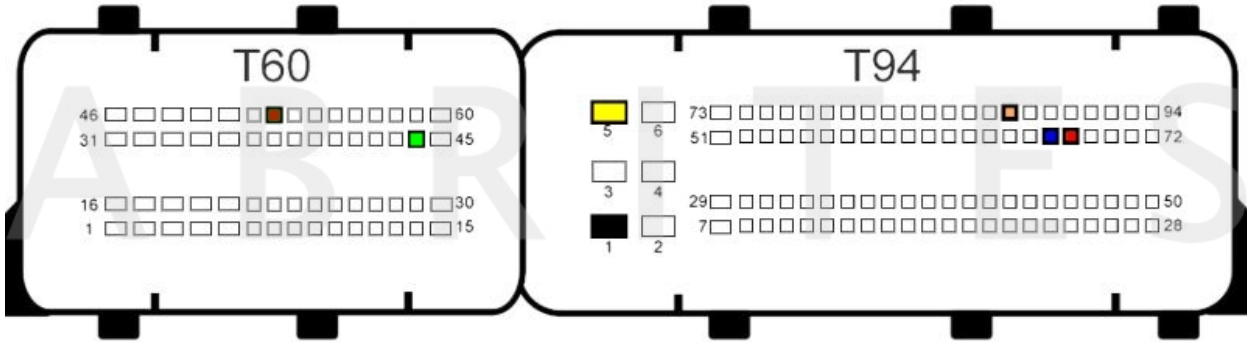
BOSCH EDC17C57 TC1793 - Bench connection:



BOSCH EDC17CP62 TC1793 - Bench connection:



BOSCH EDC17CP14 TC1796 - Bench connection:



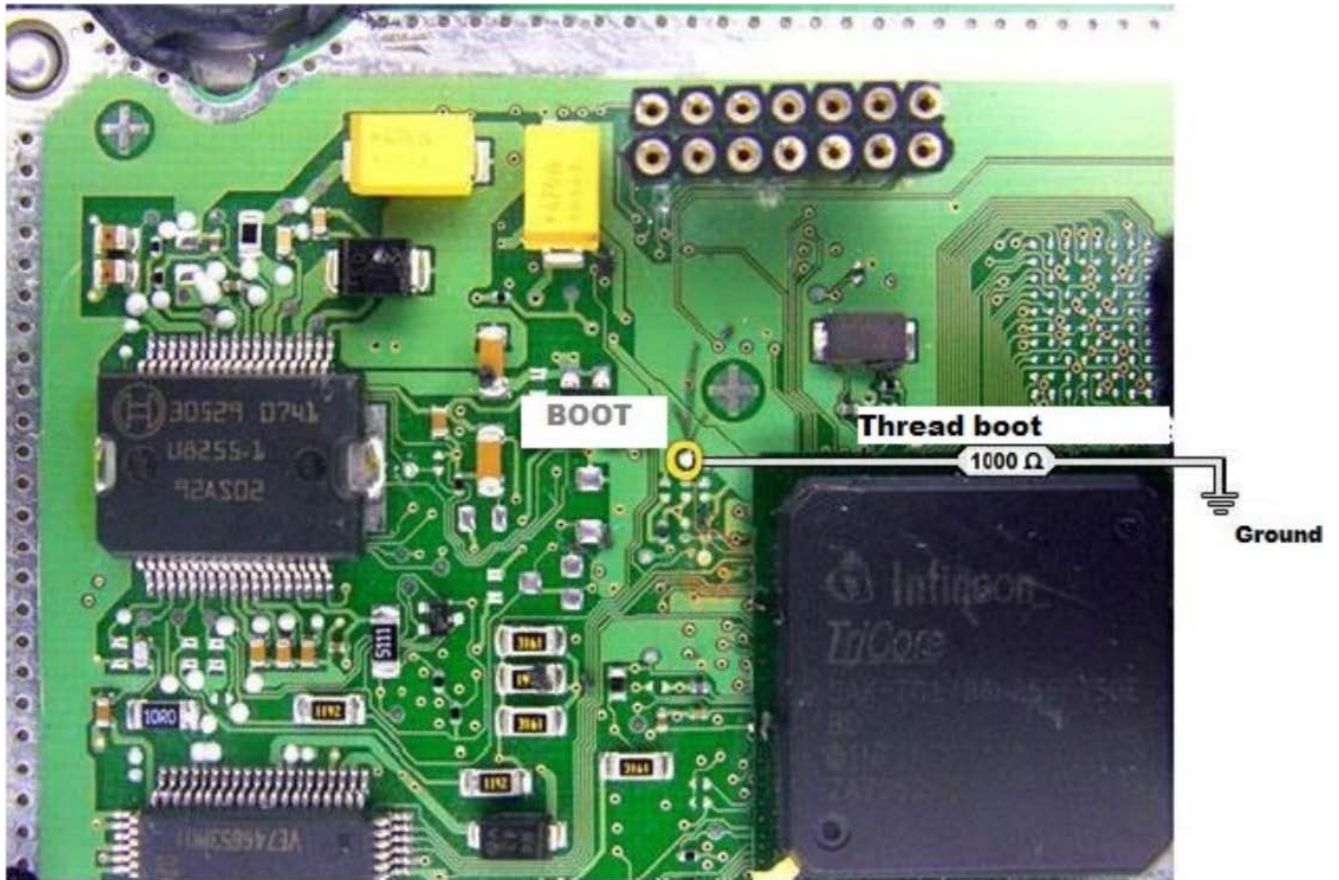
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

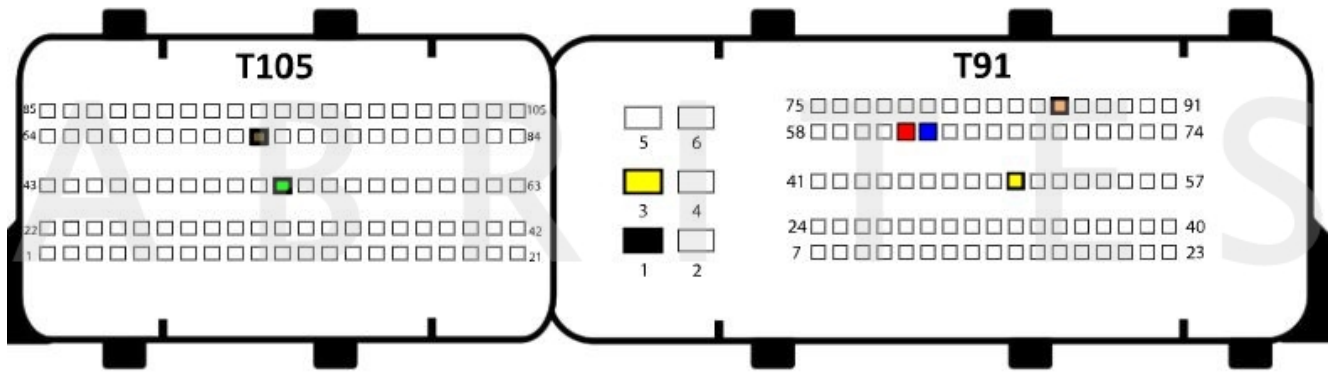
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP14 MASTER TC1796 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

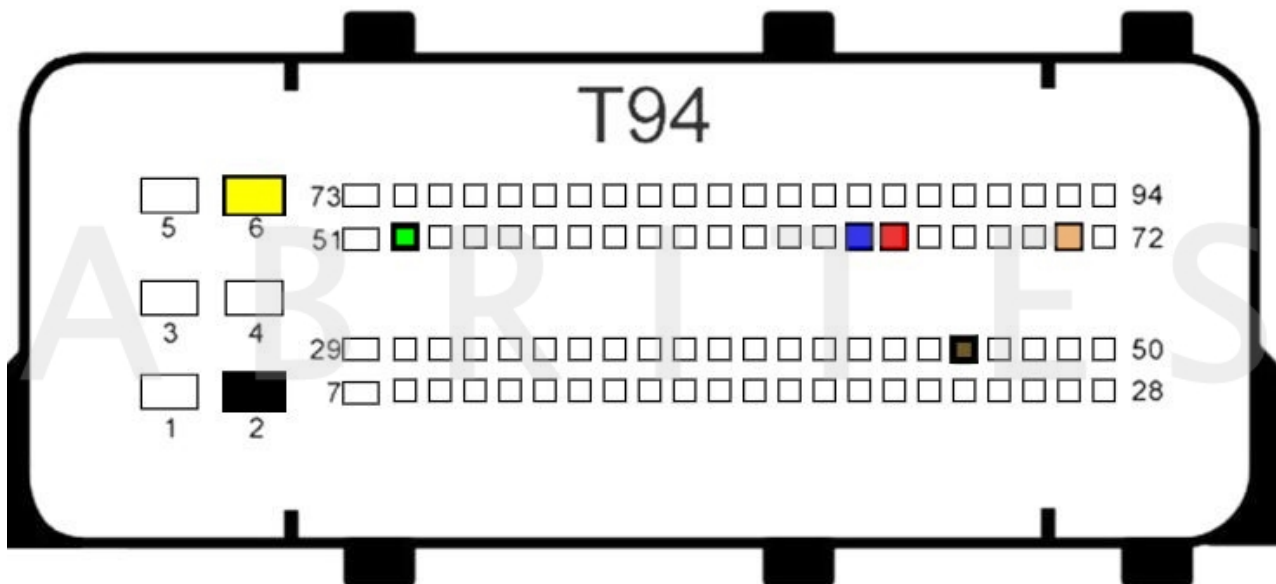
BOSCH MED17.9.30 TC1793 - Bench connection:



BOSCH MED17.9.8 TC1767 - Diagram coming soon

Kubota

BOSCH EDC17C55 TC1767 - Bench connection:

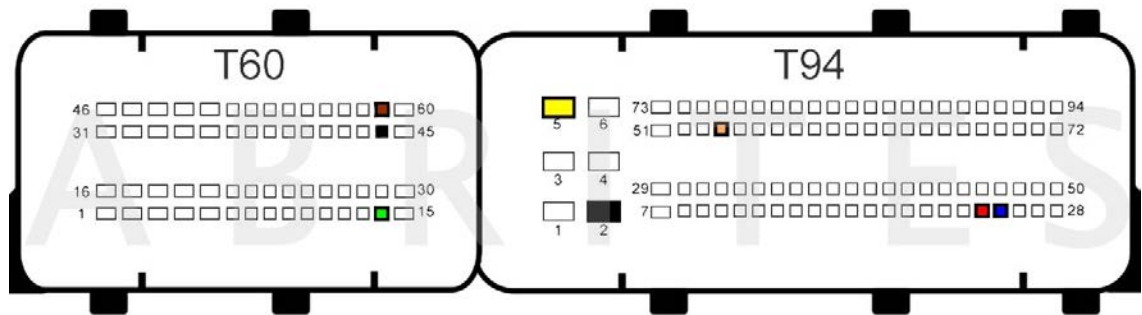


Lamborghini

BOSCH MED17.1.1HW55 MASTER TC1797 - Diagram coming soon

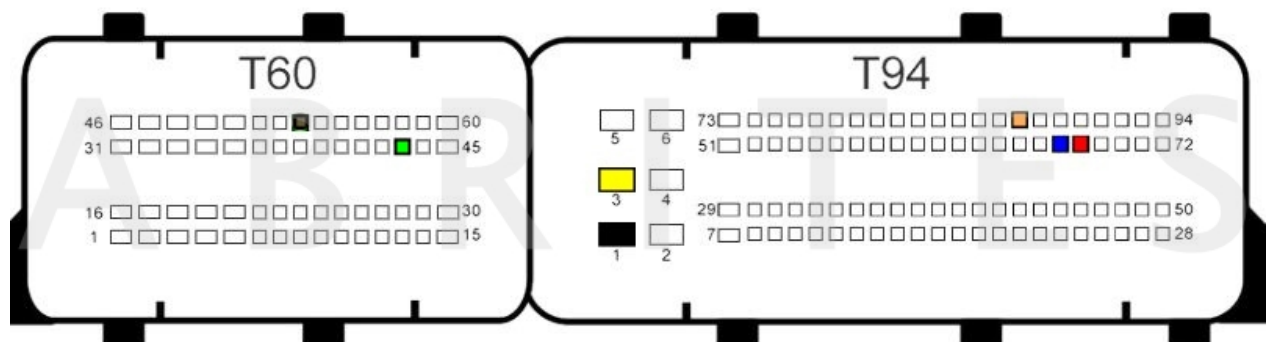
Lancia

BOSCH EDC17C49 TC1797 - Bench connection:

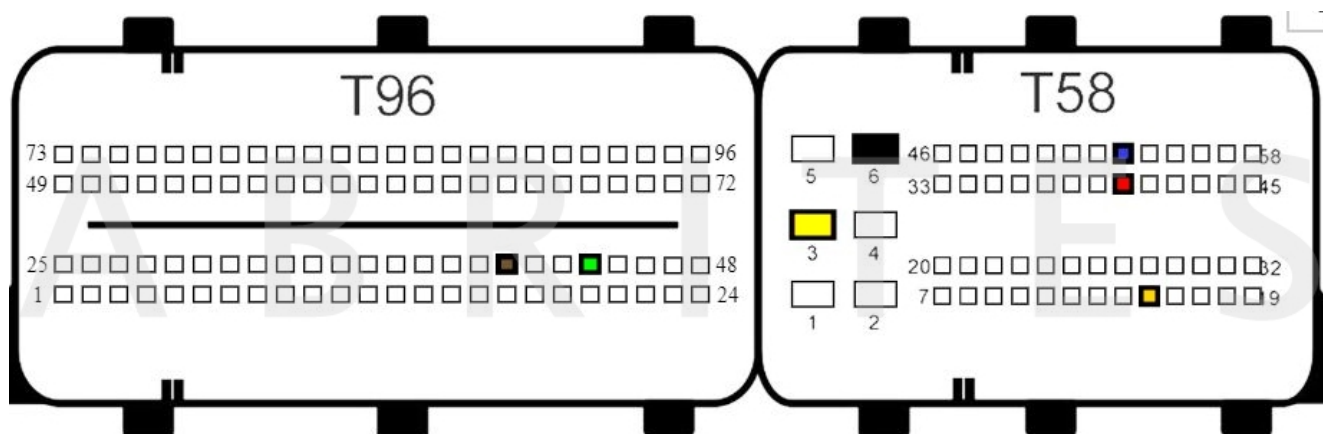


BOSCH EDC17CP27 TC1796 - Diagram coming soon

BOSCH MED17.3.1 TC1766 - Bench connection:



BOSCH EDC17CP11 TC1796 - Bench connection:



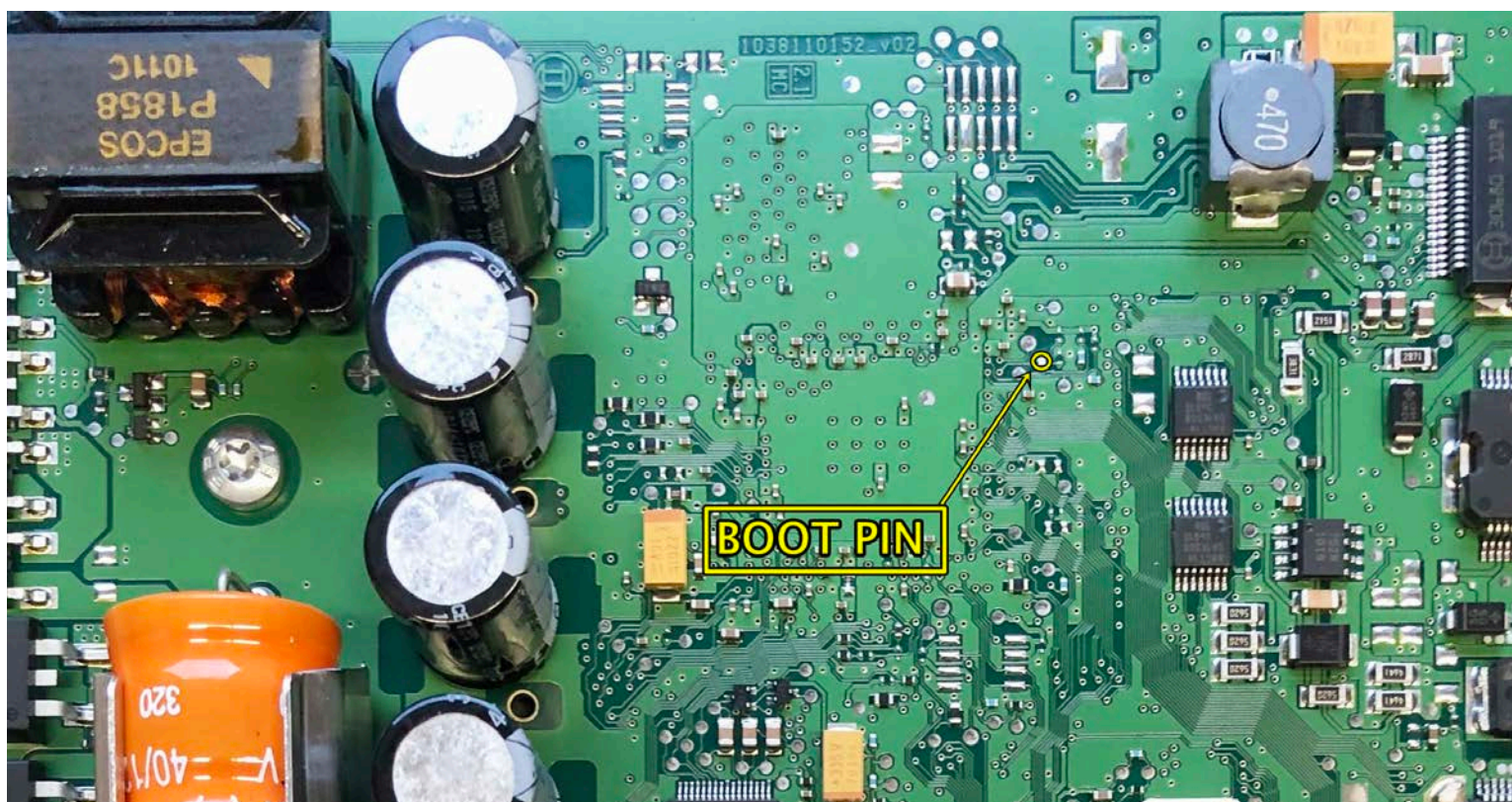
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

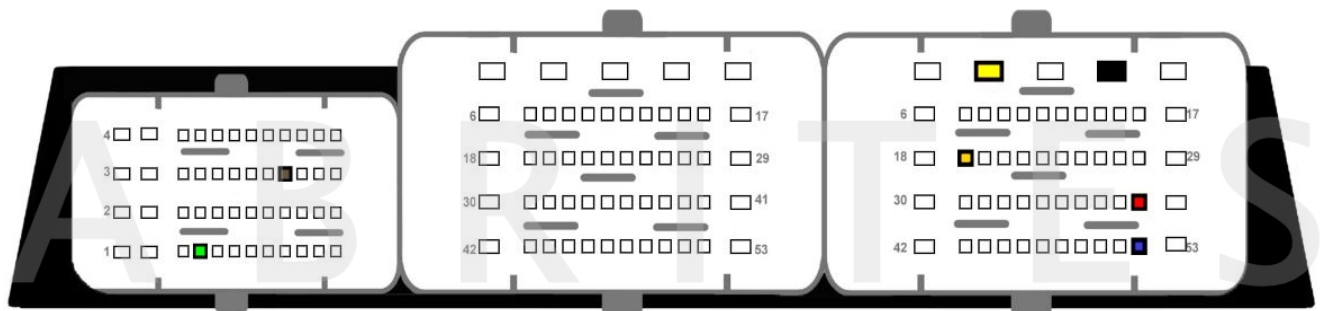
BOSCH EDC17CP11 TC1796 - Boot connection:



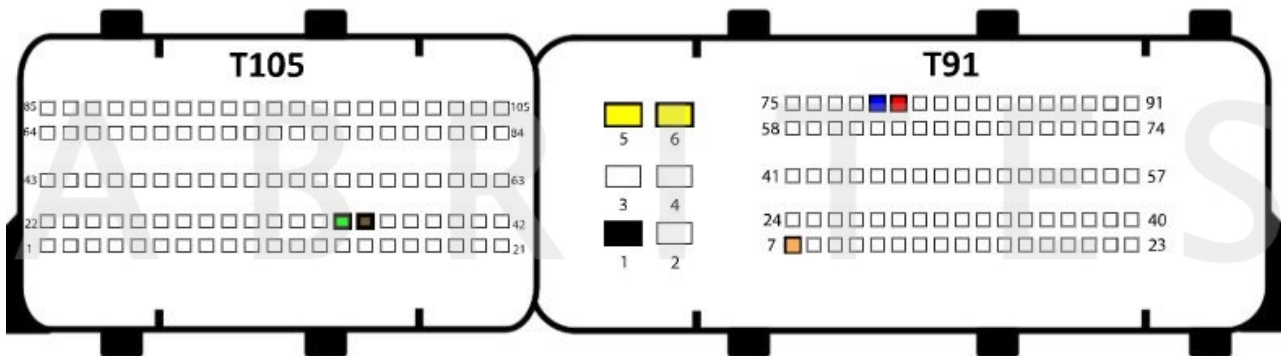
*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

Land Rover

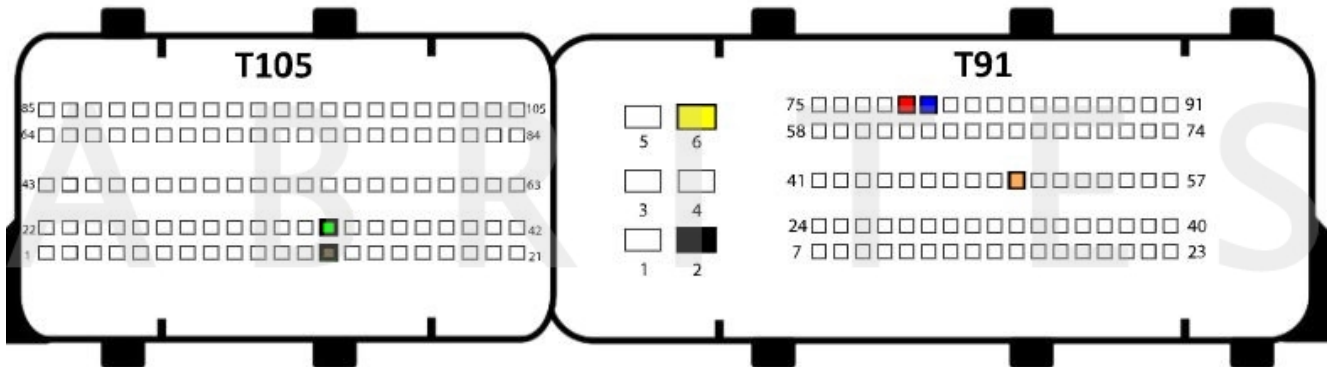
BOSCH EDC17CP42 TC1797 - Bench connection:



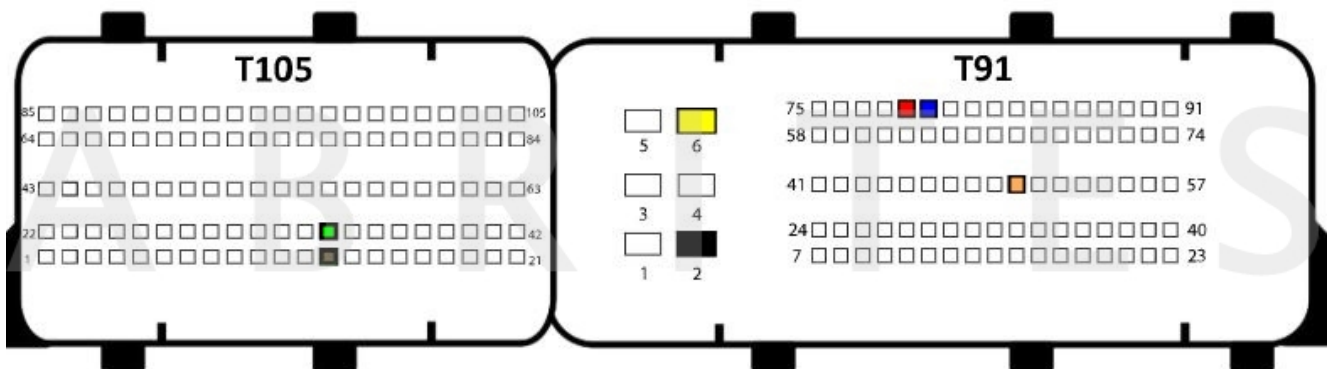
BOSCH EDC17CP55 TC1793 - Bench connection:



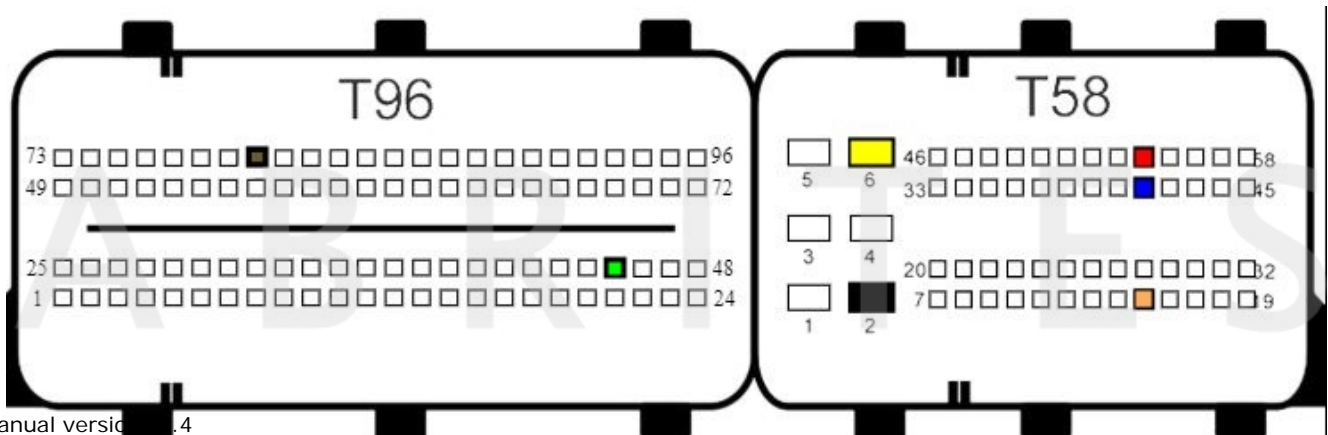
BOSCH MED17.8.31 TC1797 - Bench connection:



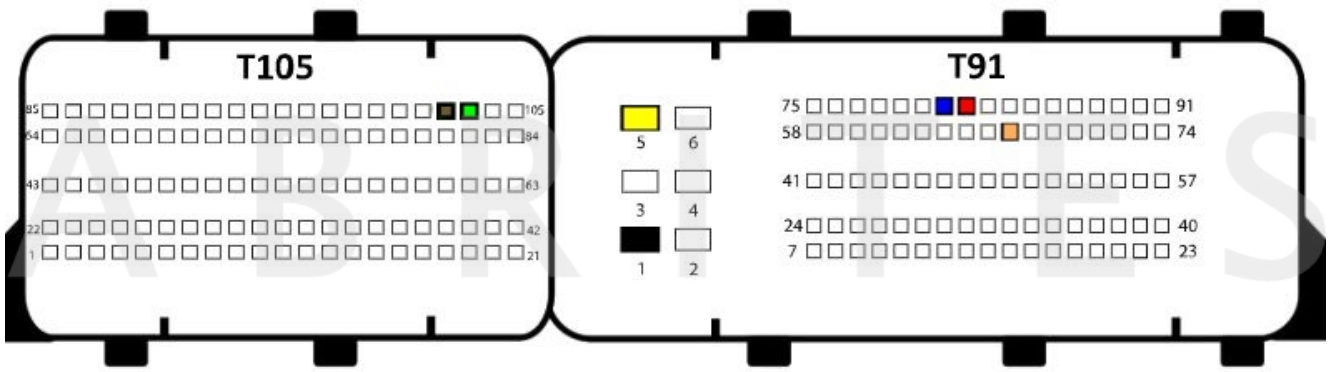
BOSCH MED17.8.32 TC1797 - Bench connection:



BOSCH MED17.9.7 TC1797 - Bench connection:

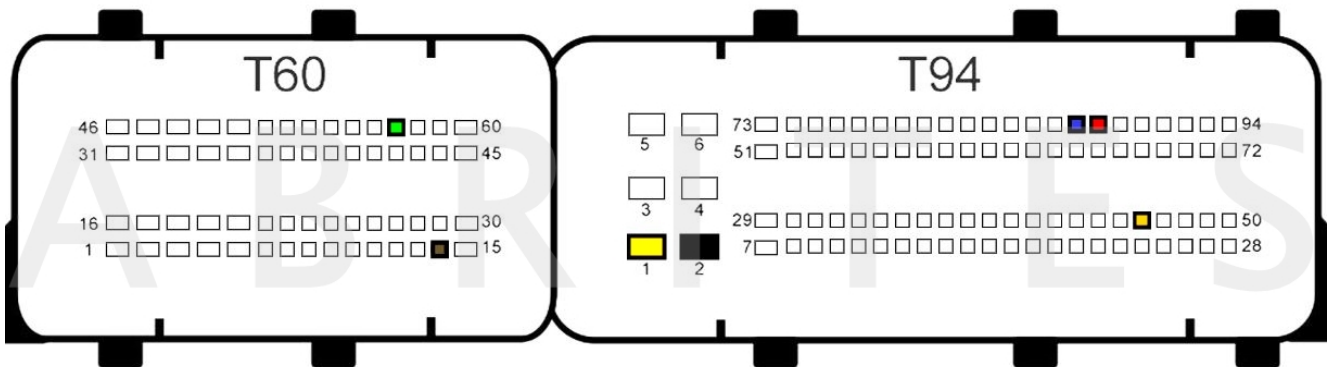


BOSCH MEDC17.9 TC1793 - Bench connection:

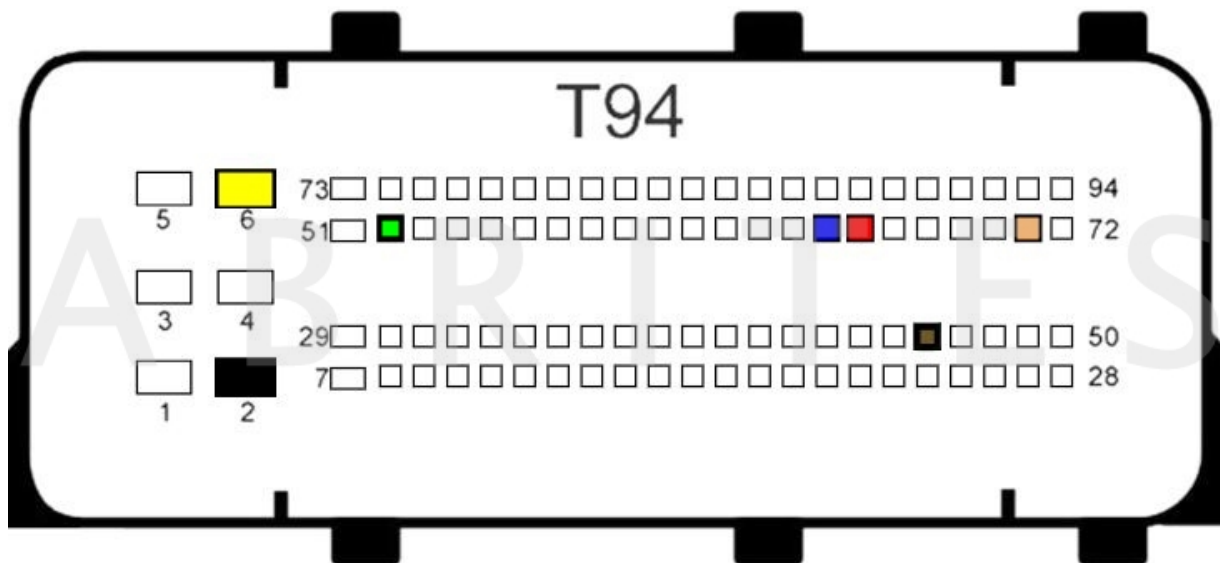


Mahindra

BOSCH EDC17C53 TC1767 - Bench connection:



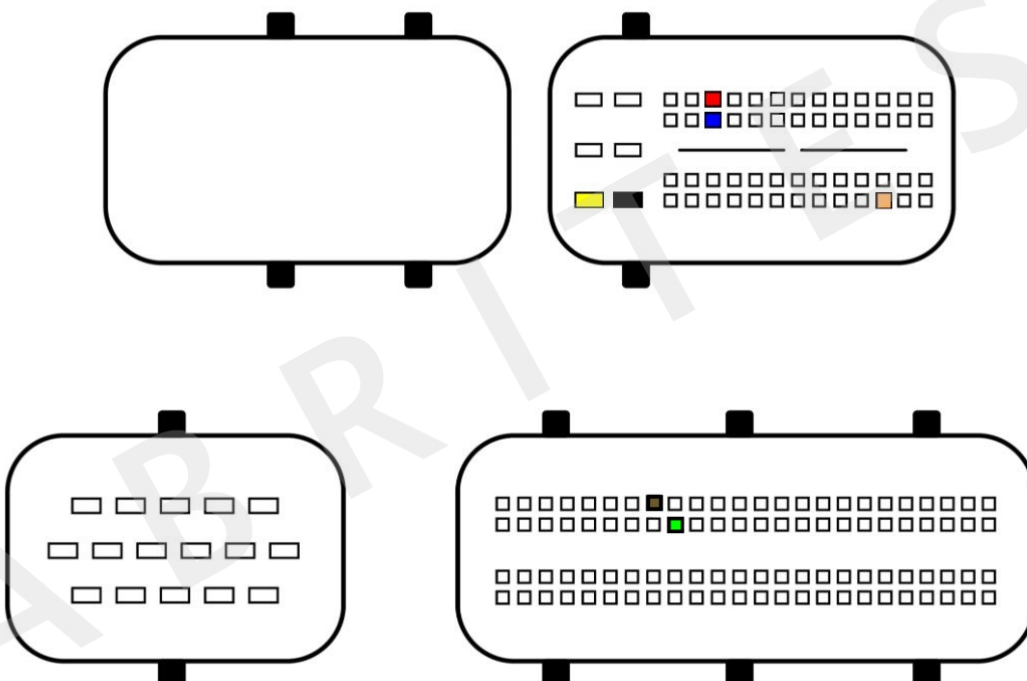
BOSCH EDC17C55 TC1767 - Bench connection:



BOSCH EDC17C63 TC1724 - Diagram coming soon

Man

BOSCH EDC17CV42 TC1797 - Bench connection:

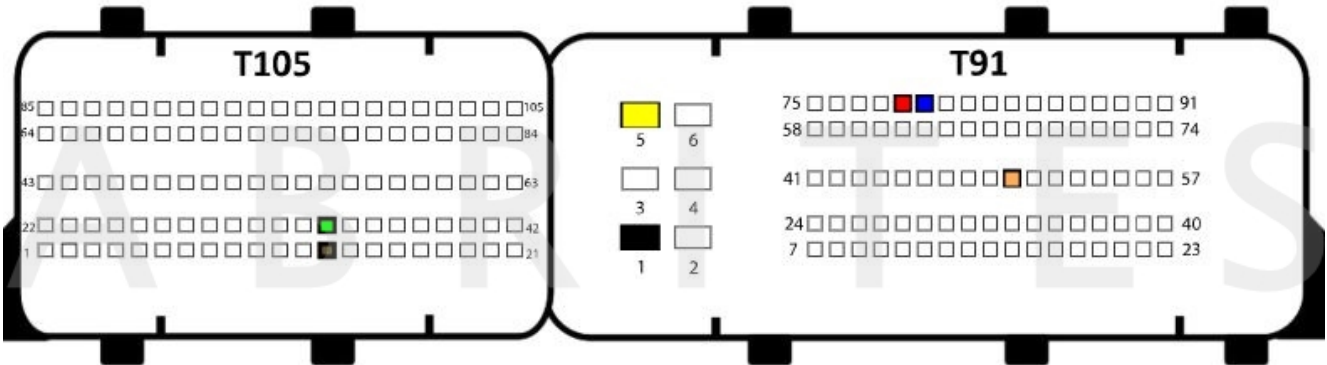


Maserati

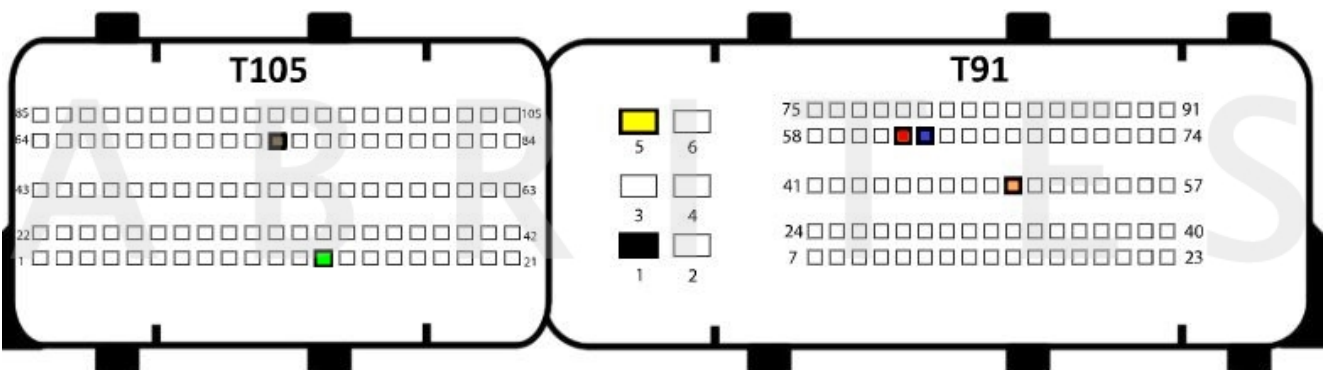
BOSCH EDC17C79 TC1797 - Bench connection:



BOSCH MED17.3.4 TC1797 - Bench connection:

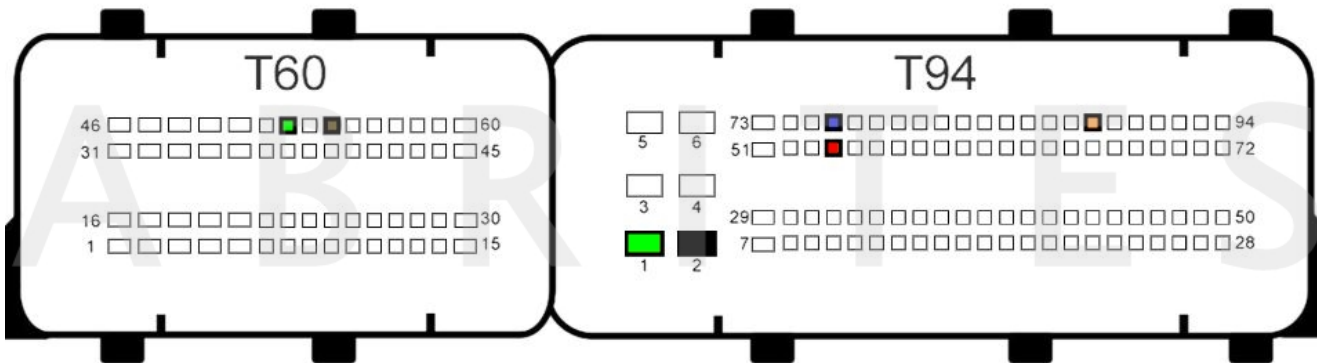


BOSCH MED17.3.5 TC1793 - Bench connection:

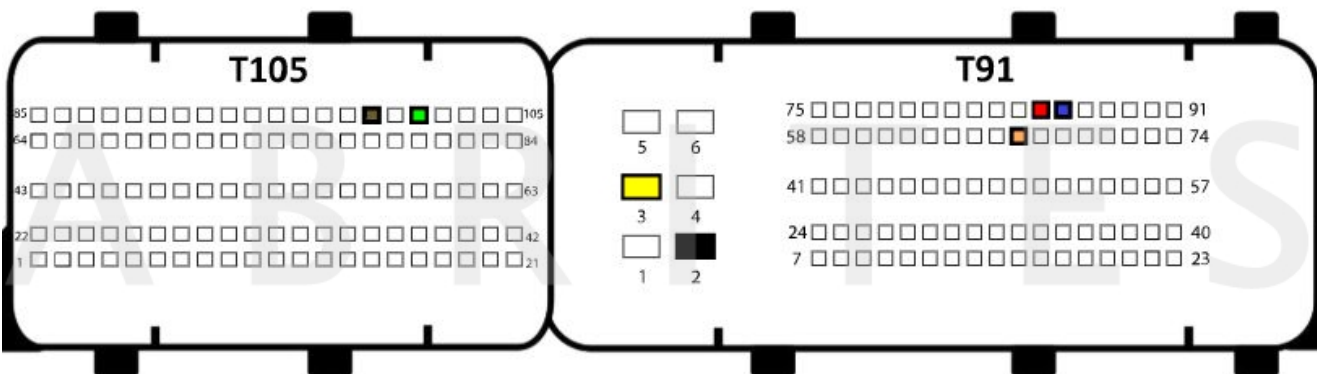


Massey Ferguson

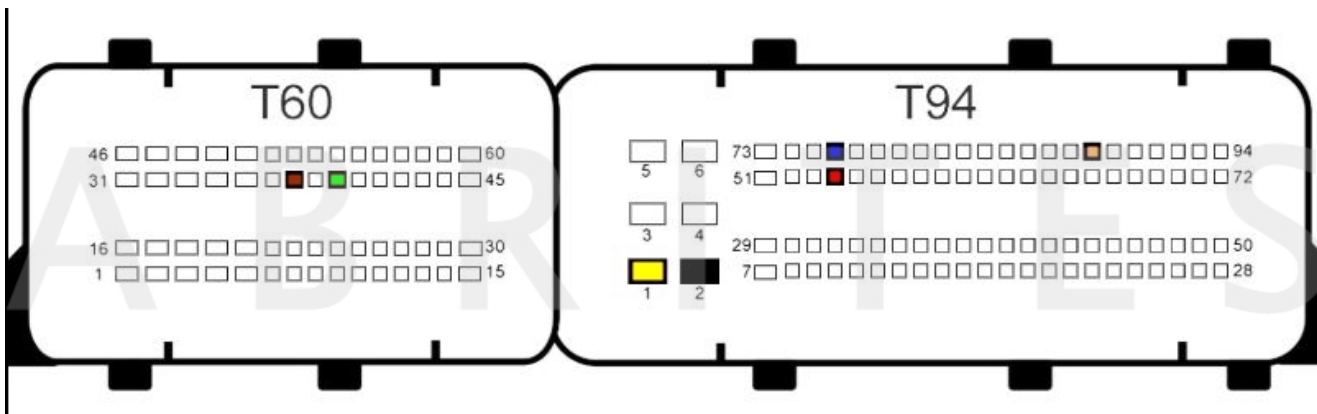
BOSCH EDC17CV44 TC1767 - Bench connection:



BOSCH EDC17CV52 TC1797 - Bench connection:

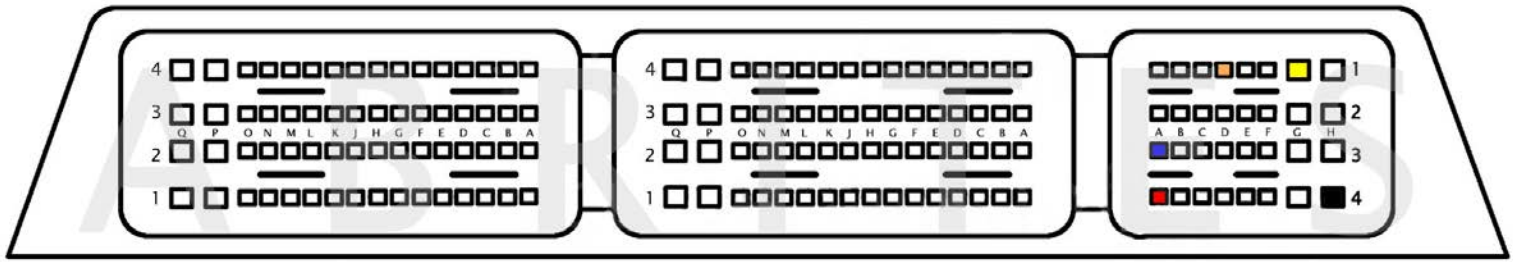


BOSCH EDC17CV54 TC1767 - Bench connection:



Mercedes

SID305 bench connection:



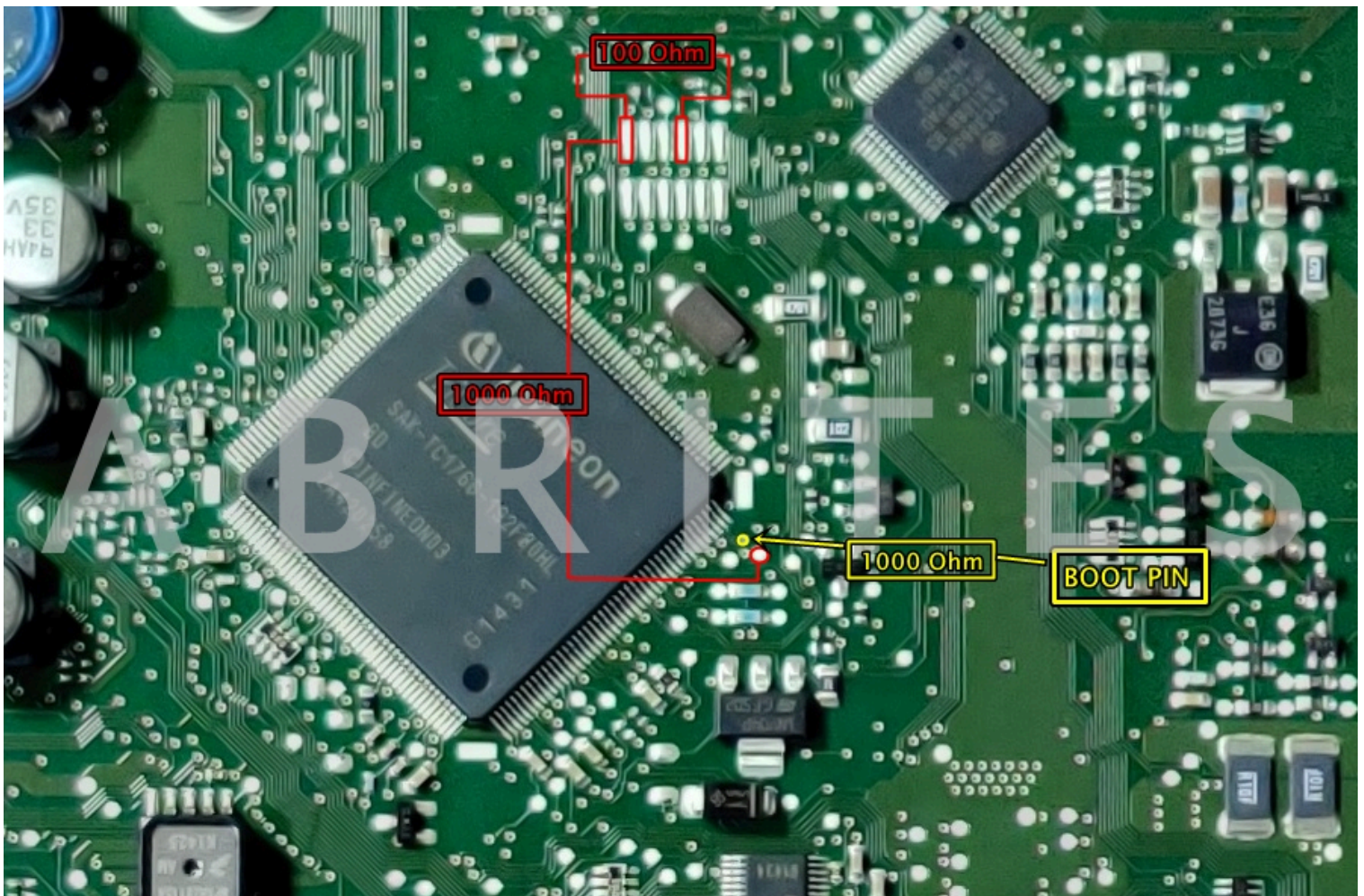
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

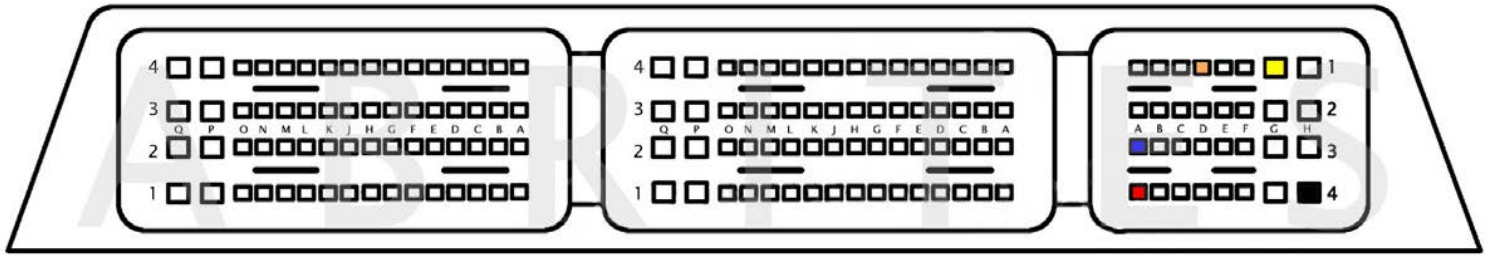
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

SID305 BSL Connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

SID307 bench connection:



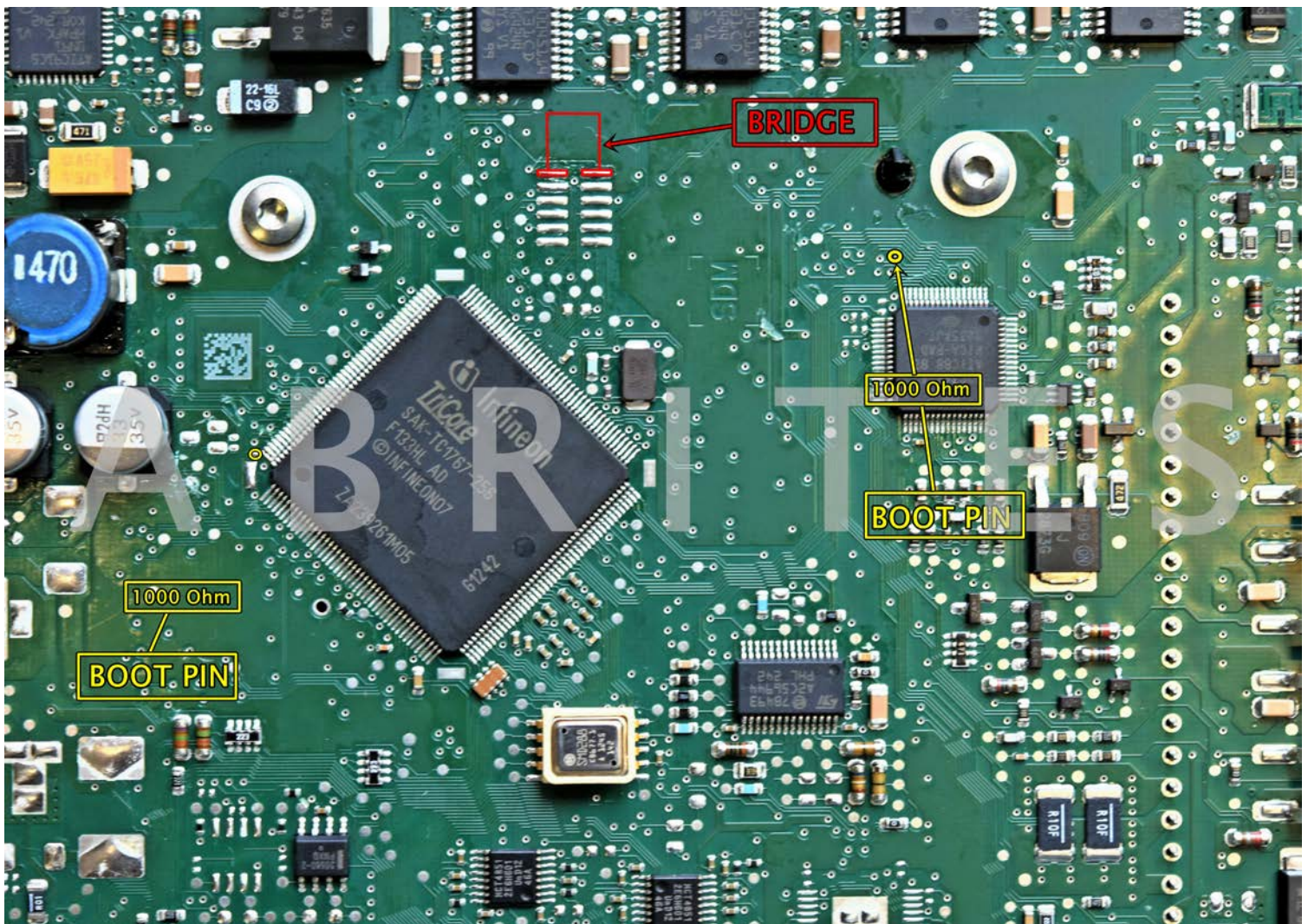
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

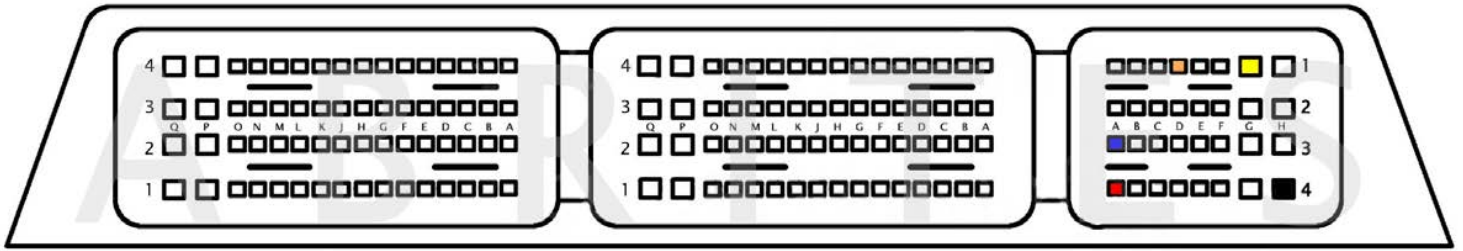
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

SID307 BSL Connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

SID310 - Bench connection:



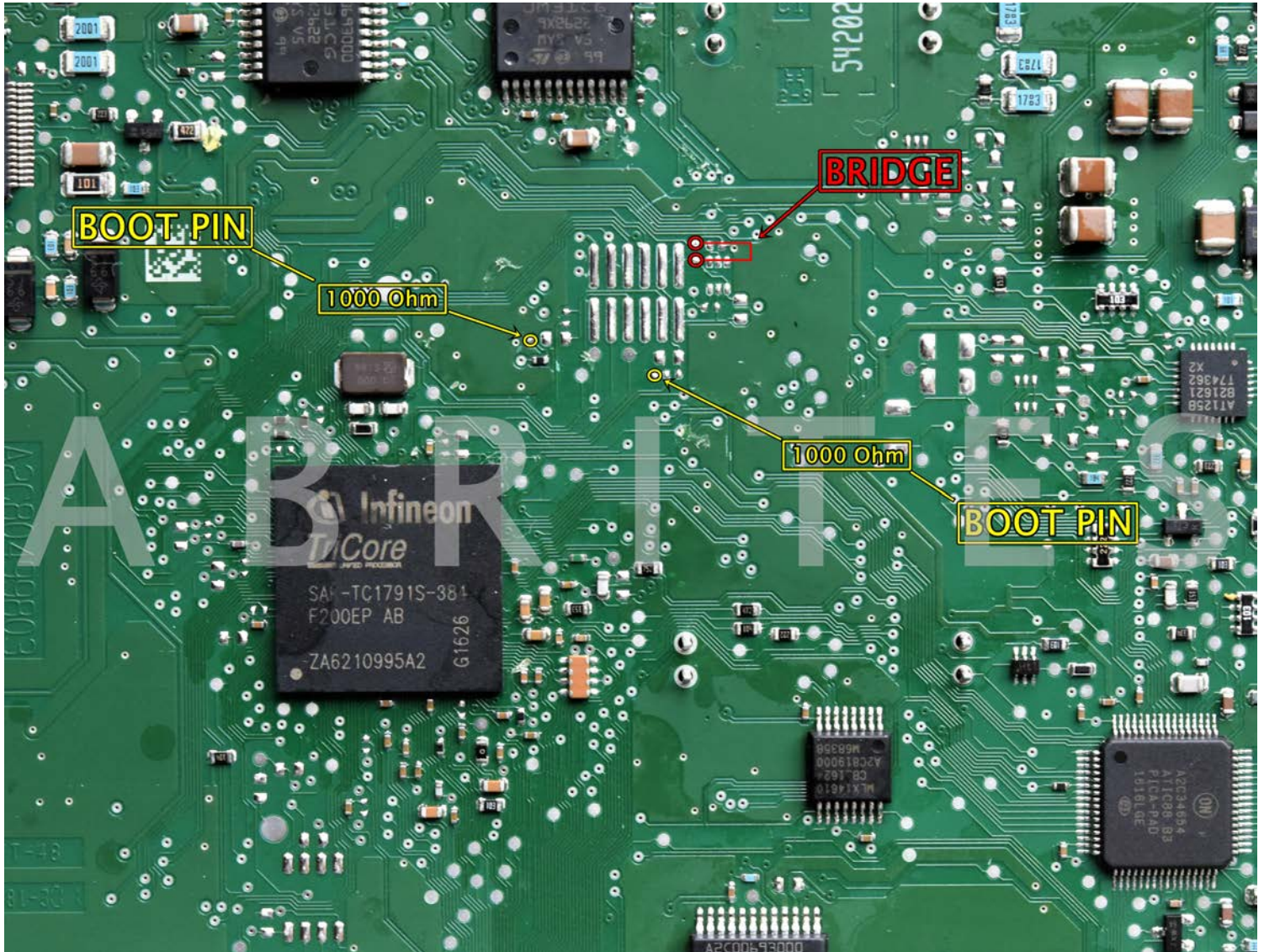
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

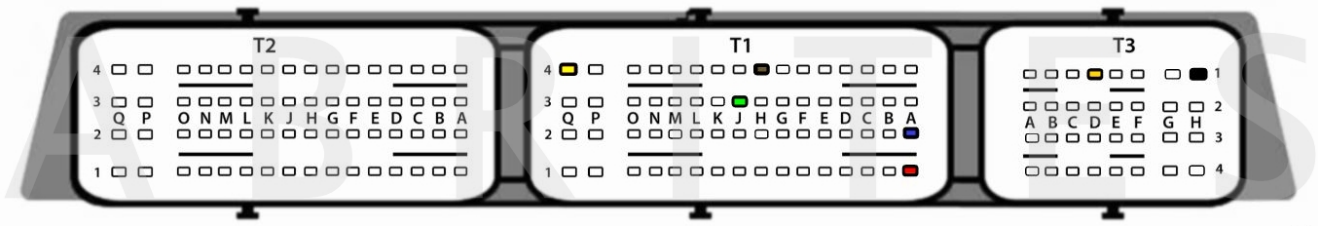
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

SID310 BSL Connection:



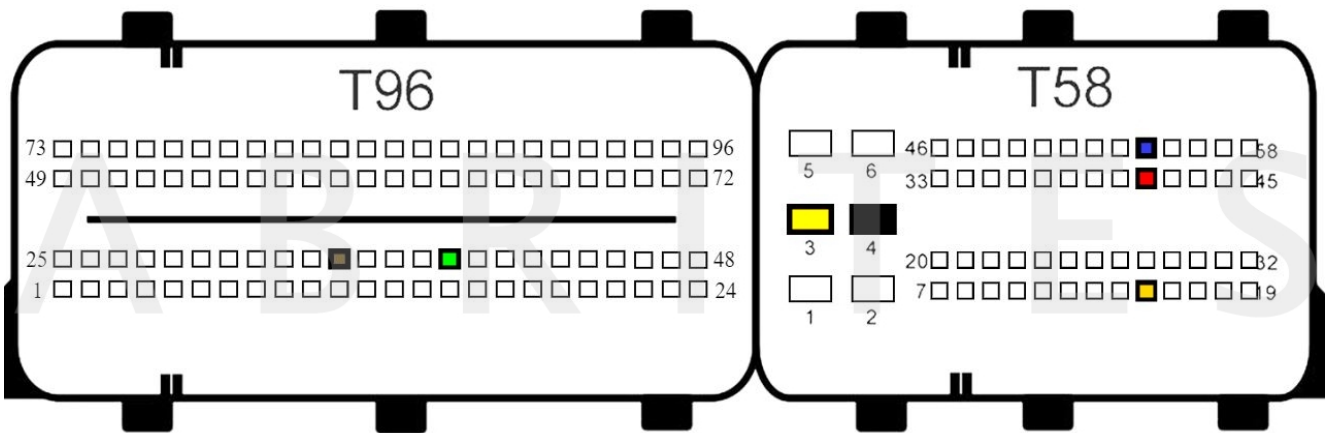
*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17C42 TC1767 - Bench connection:

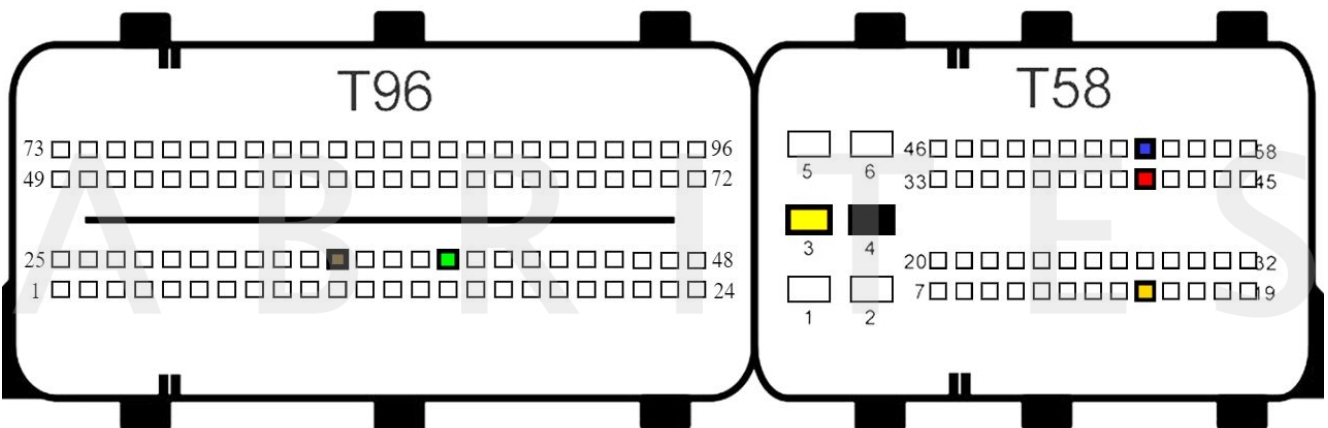


BOSCH EDC17C43 TC1797 - Diagram coming soon

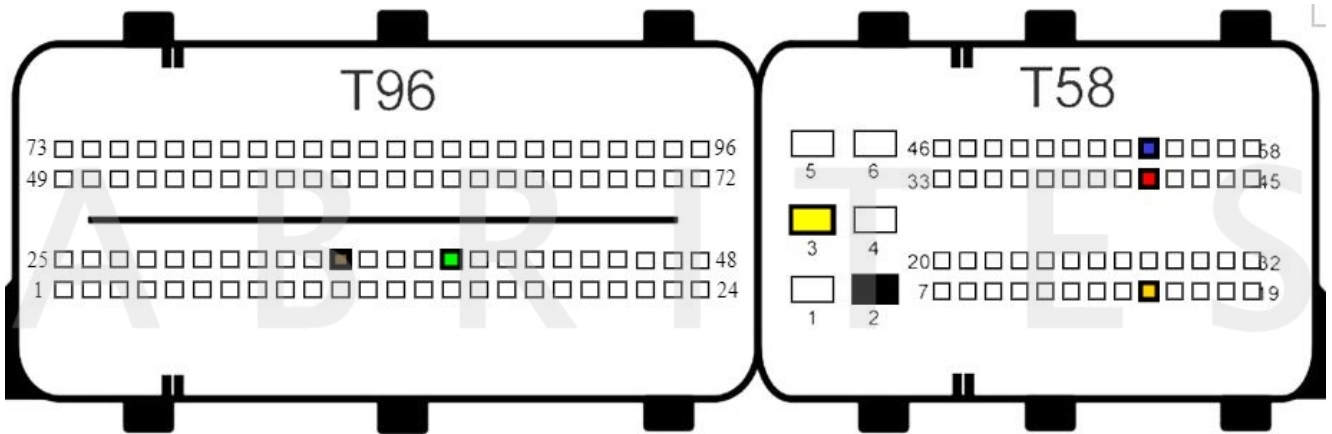
BOSCH EDC17C66 TC1793 - Bench connection:



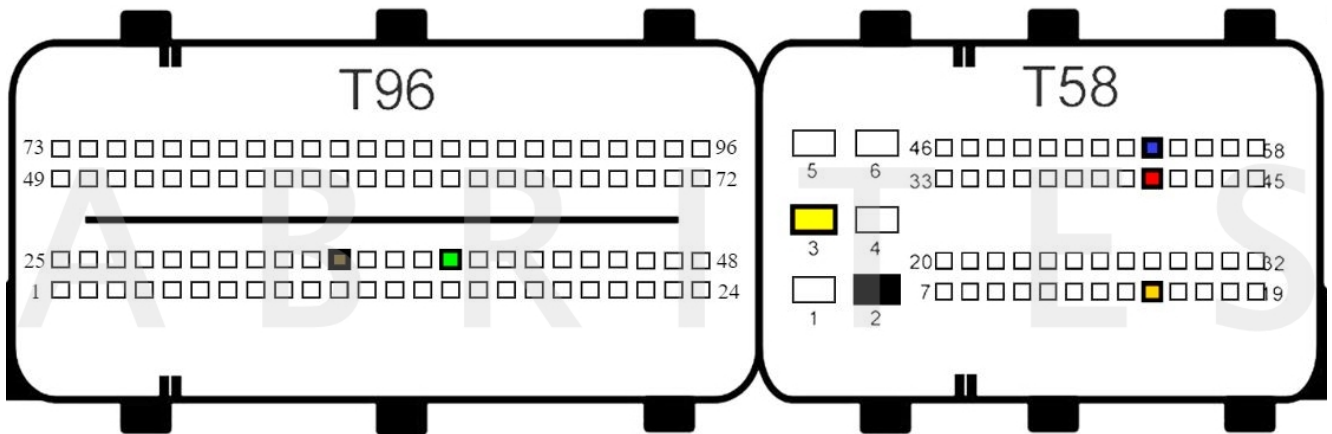
BOSCH EDC17CP01 TC1796 - Bench connection:



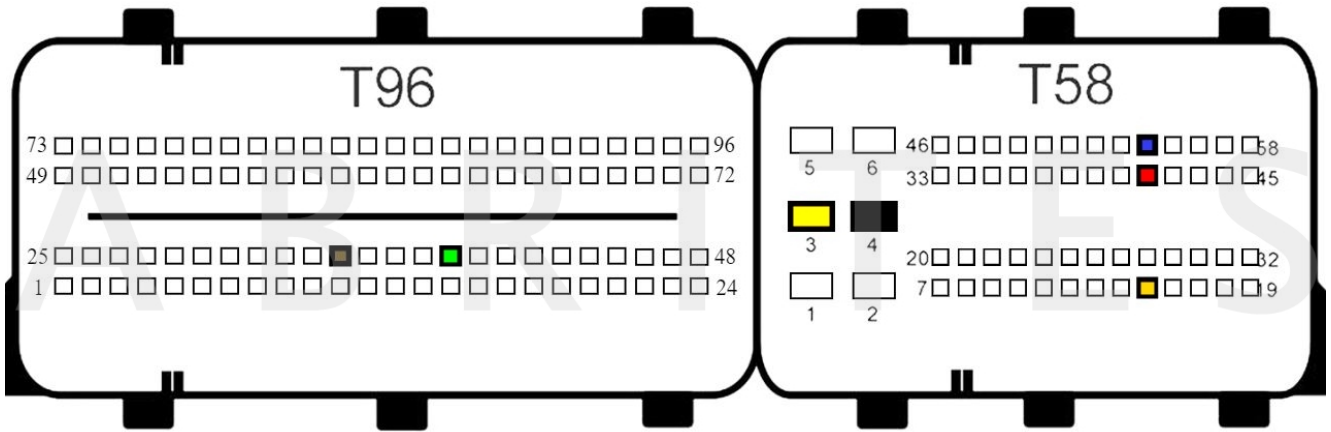
BOSCH EDC17CP10 TC1796 - Bench connection:



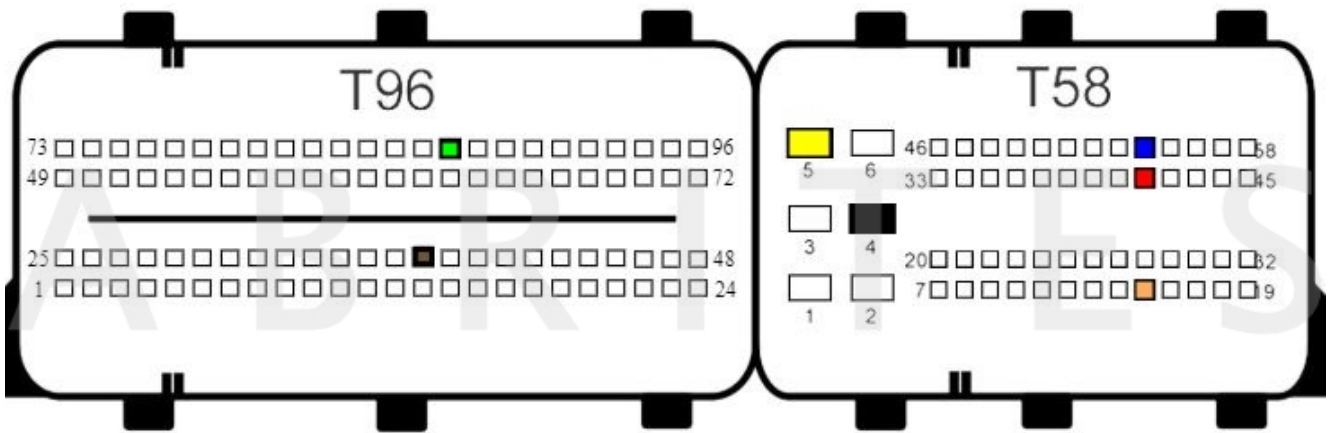
BOSCH EDC17CP46 TC1797 - Bench connection:



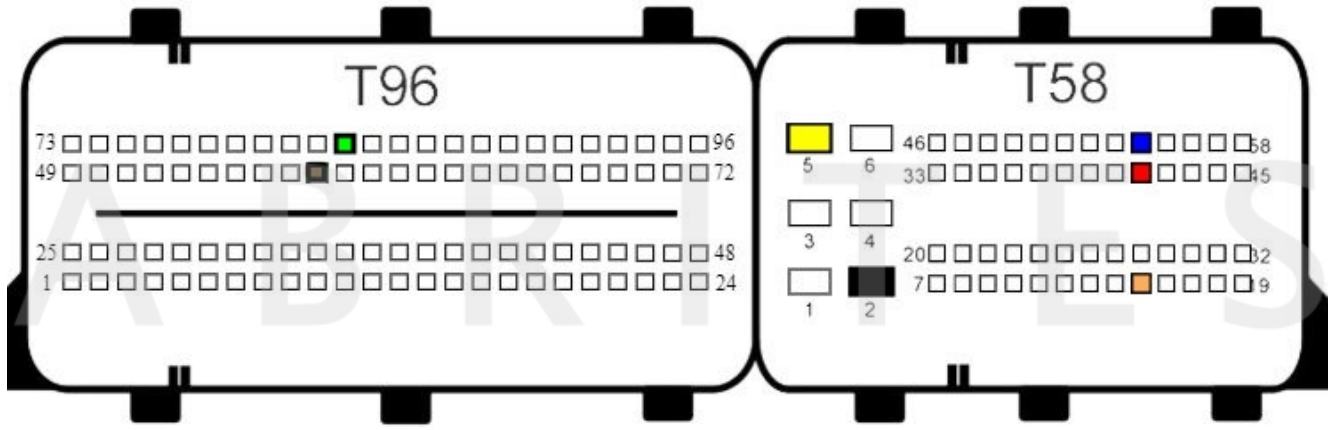
BOSCH EDC17CP57 TC1793 - Bench connection:



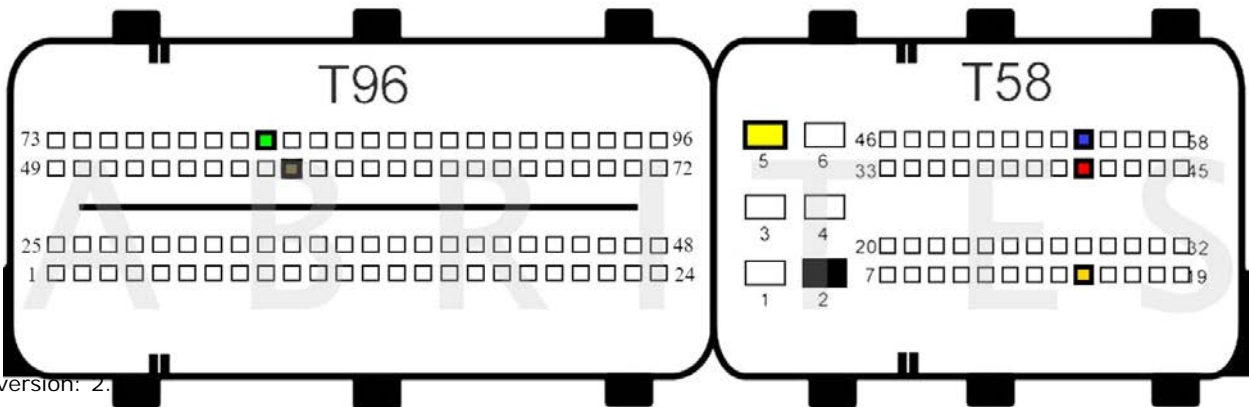
BOSCH EDC17CP60 TC1793 - Bench connection:



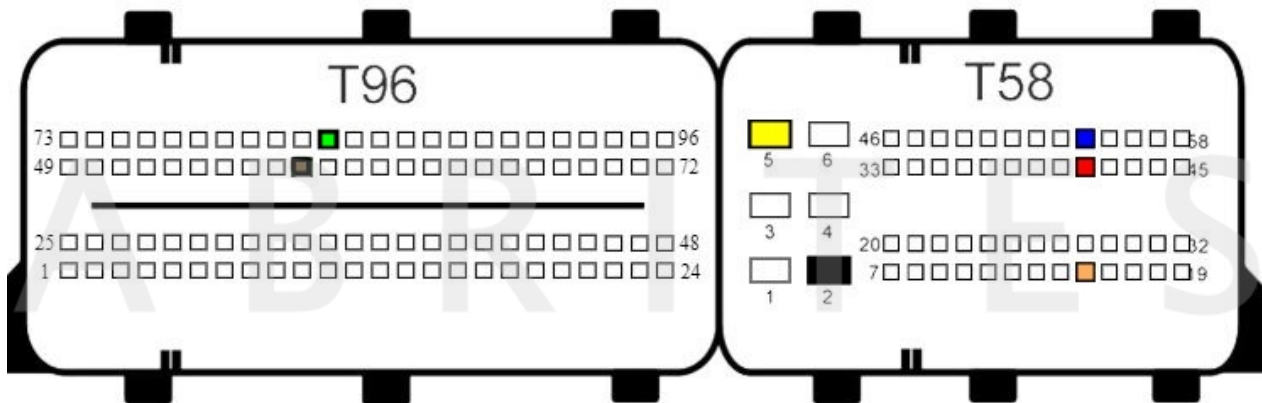
BOSCH MED17.7.1 TC1797 - Bench connection:



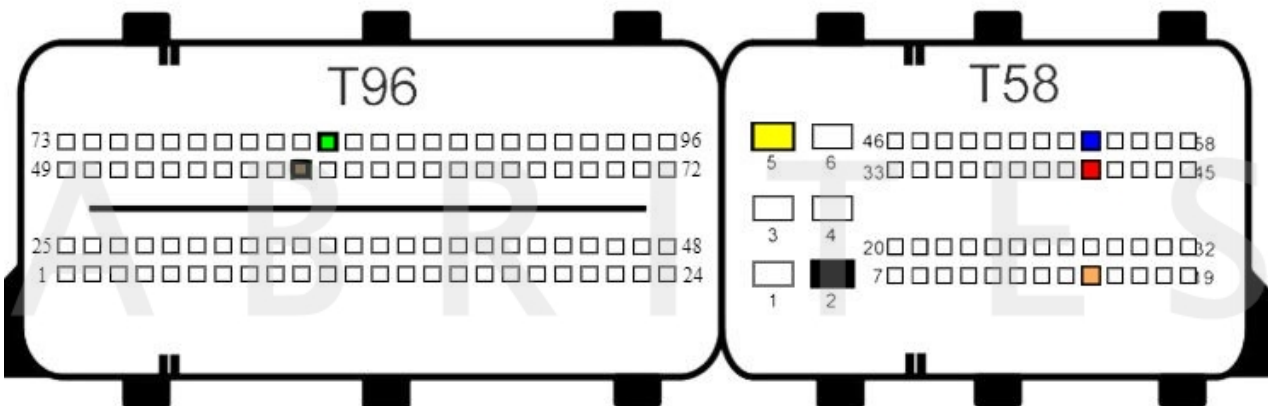
BOSCH MED17.7.2 TC1797 - Bench connection:



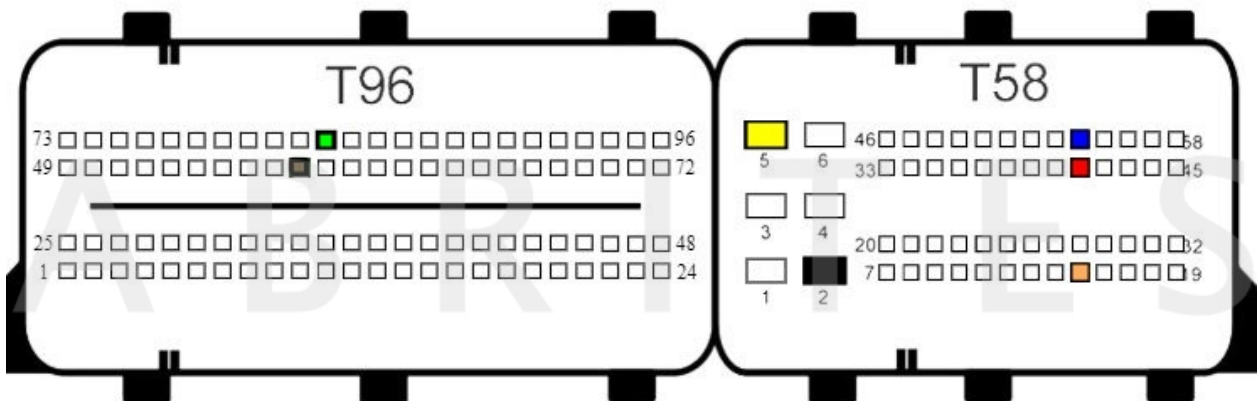
BOSCH MED17.7.3 TC1797 - Bench connection:



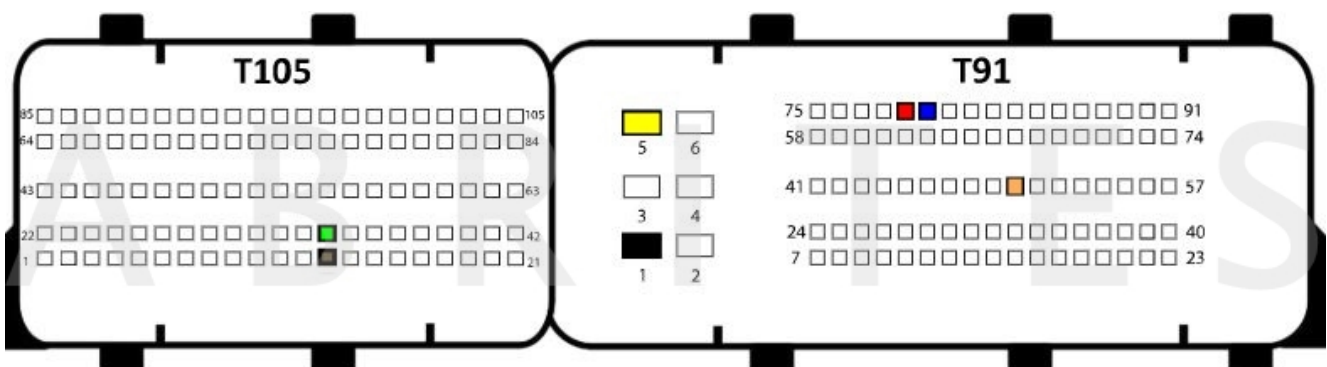
BOSCH MED17.7.3.1 TC1797 - Bench connection:



BOSCH MED17.7.5 TC1793 - Bench connection:

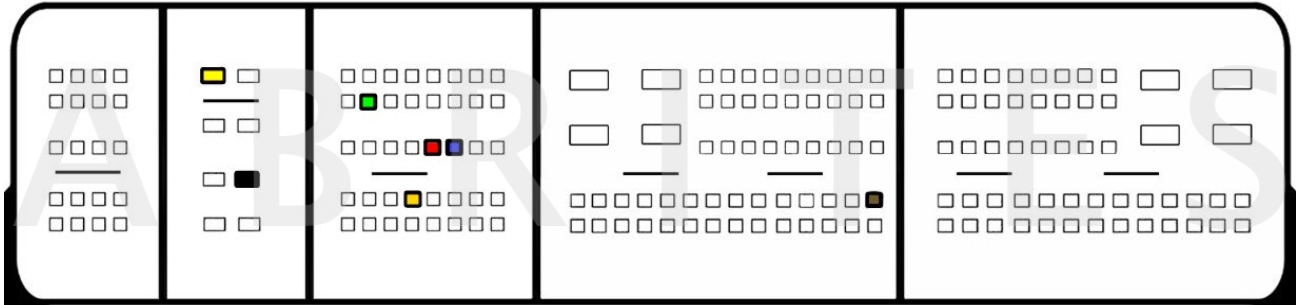


BOSCH MED17.7.8 TC1797 - Bench connection:

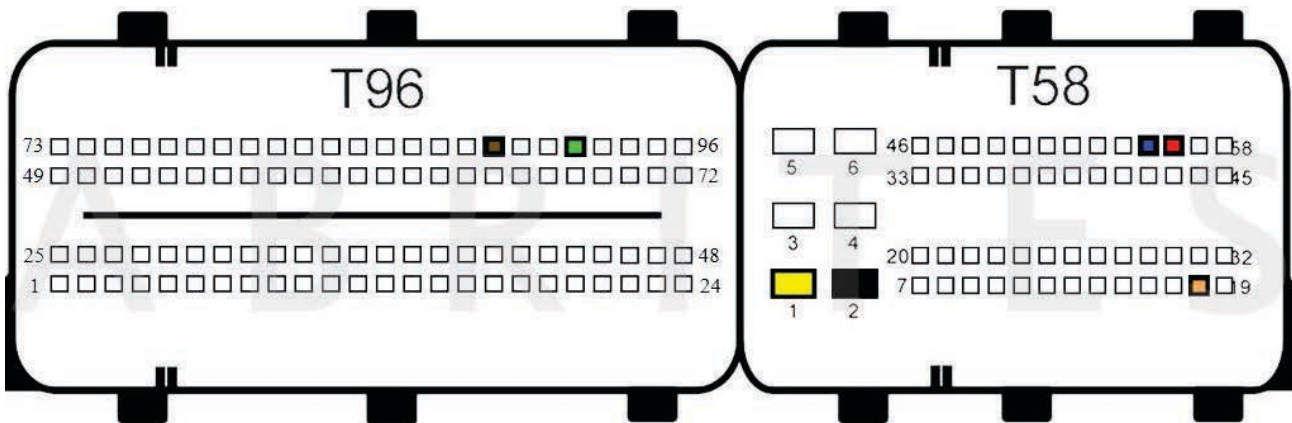


Mini

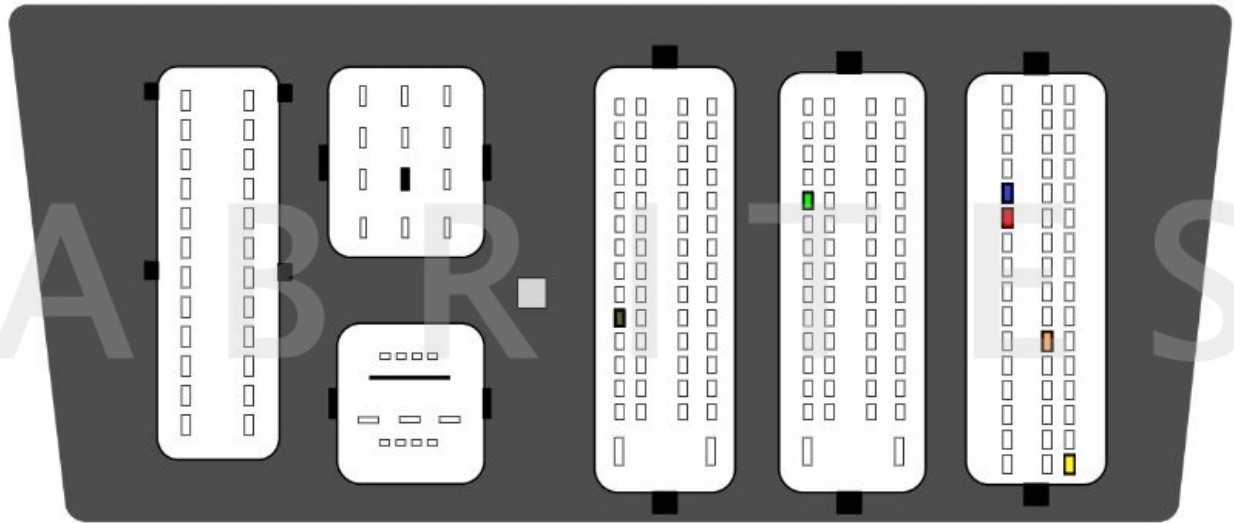
BOSCH EDC17C41 TC1797 - Bench connection:



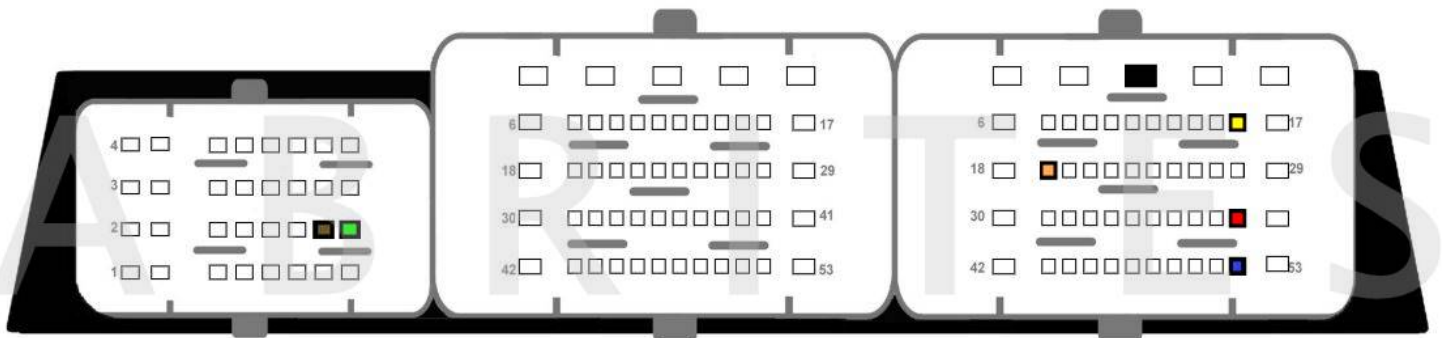
BOSCH EDC17C50 TC1797 - Bench connection:



BOSCH MEVD17.2.3 TC1793 - Bench connection:



BOSCH MED17.2 TC1796/TC1766- Bench connection:

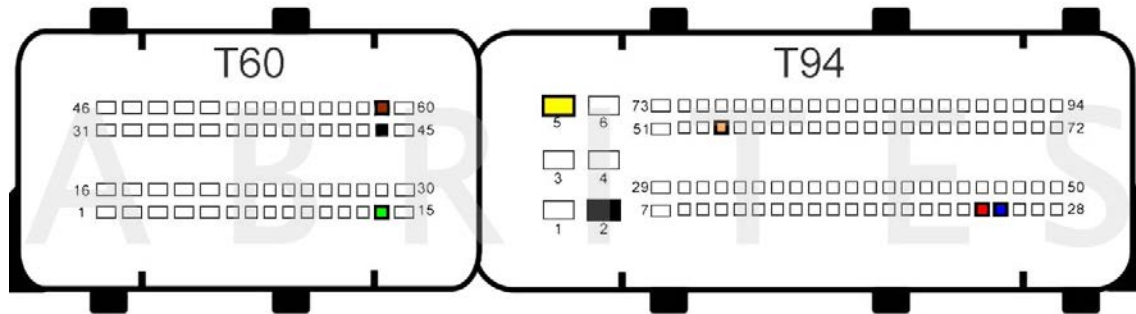


Mitsubishi

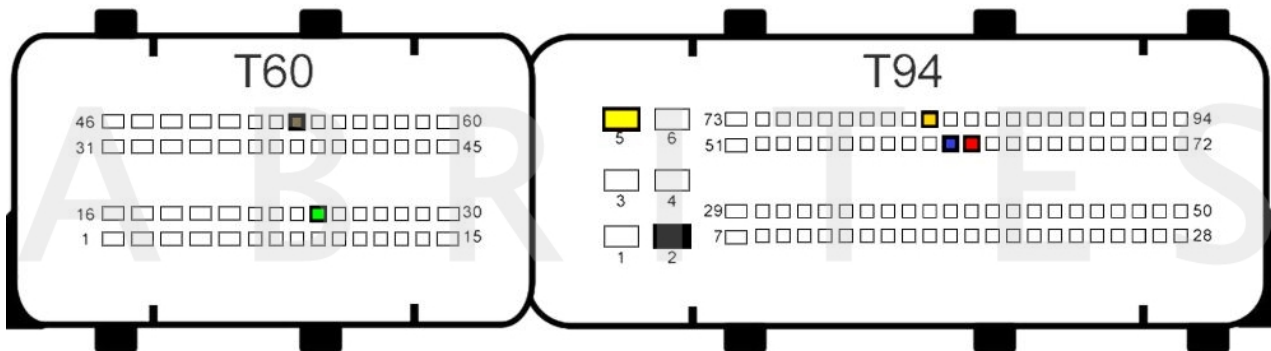
BOSCH EDC17CP15 TC1796 - Diagram coming soon

Mitsubishi Fuso

BOSCH EDC17C49 TC1797 - Bench connection:

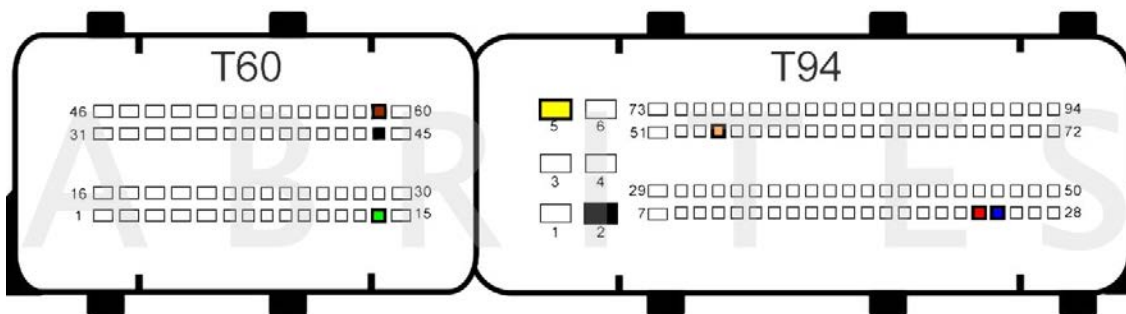


BOSCH EDC17CP52 TC1797 - Bench connection:



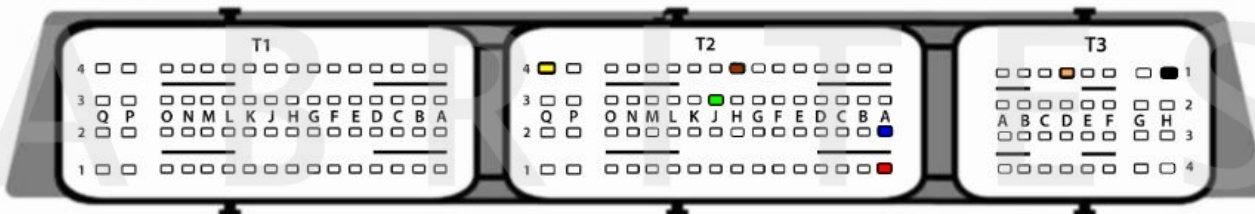
New Holland

BOSCH EDC17C49 TC1797 - Bench connection:

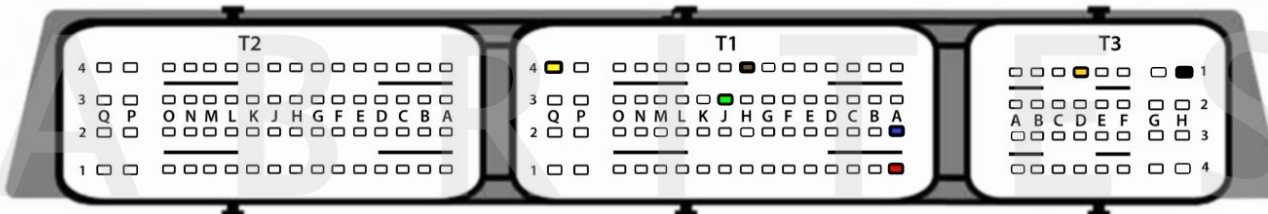


Nissan

BOSCH EDC17C11 TC1766 - Bench connection:

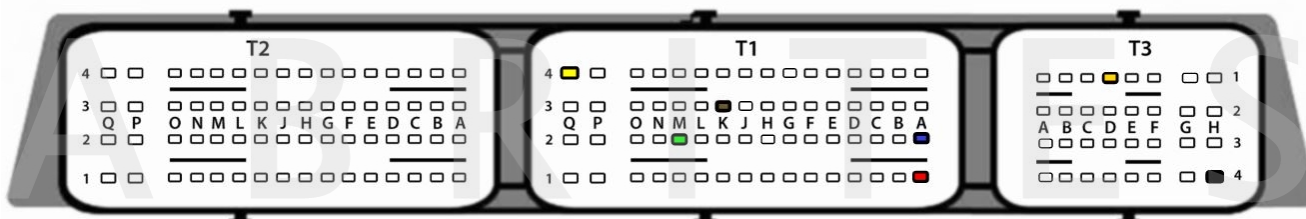


BOSCH EDC17C42 TC1767 - Bench connection:

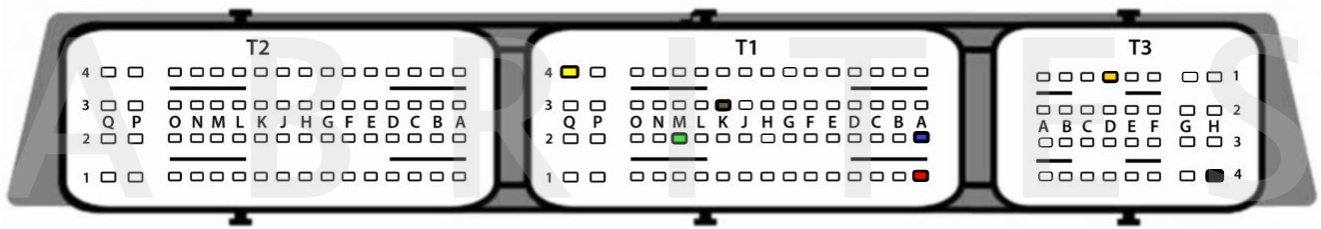


BOSCH EDC17C45 TC1767 - Diagram coming soon

BOSCH EDC17C84 TC1782 - Bench connection:

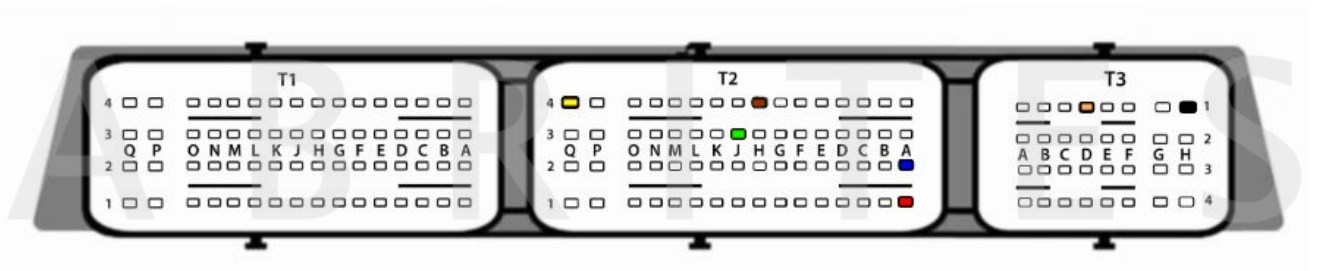


BOSCH EDC17C84_NEW TC1782 - Bench connection:

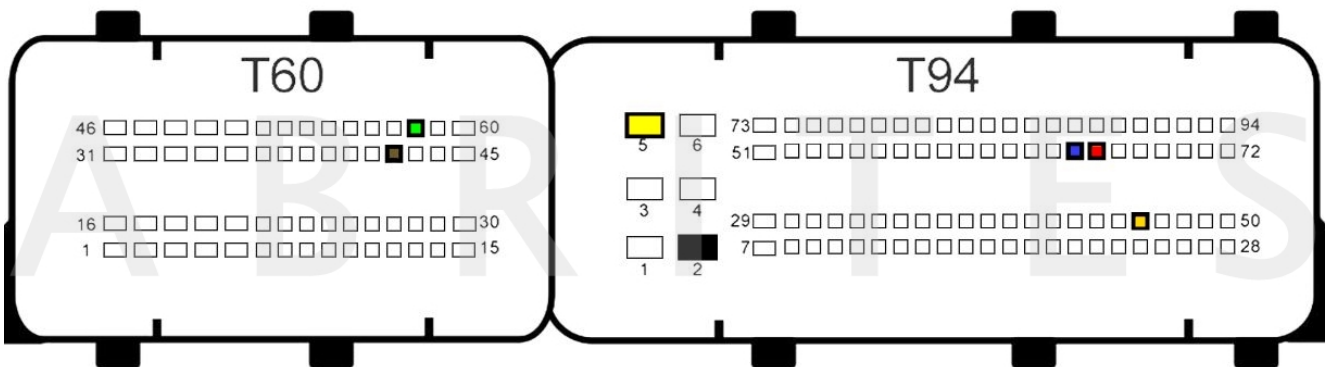


Opel

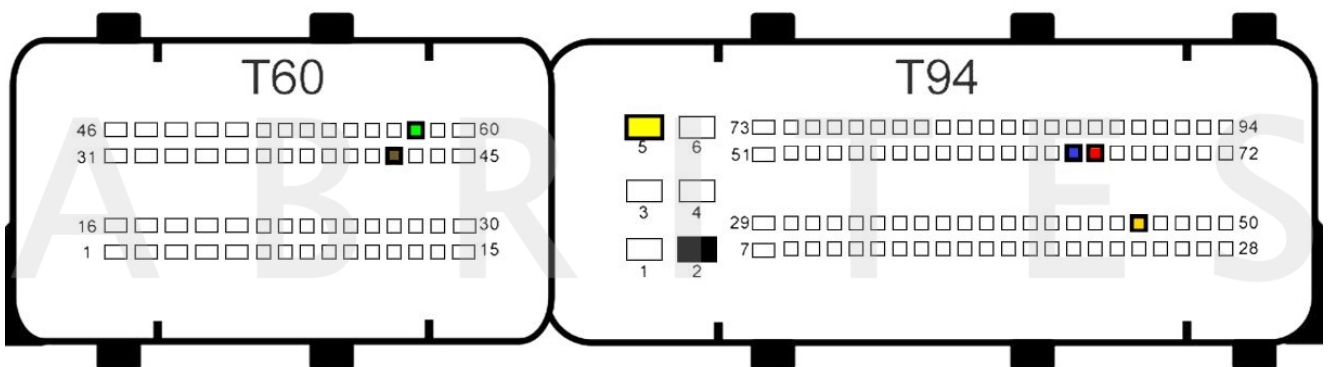
BOSCH EDC17C11 TC1766 - Bench connection:



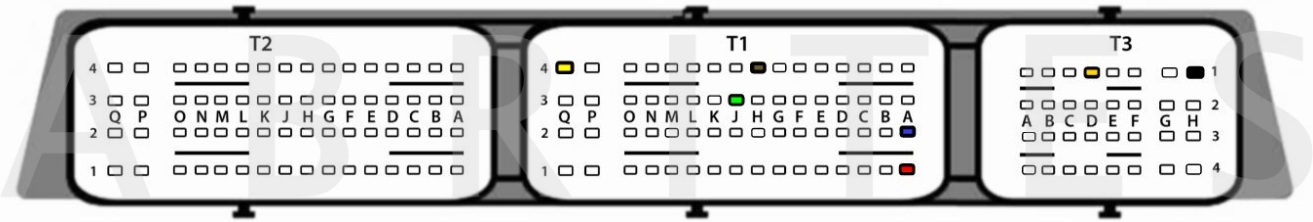
BOSCH EDC17C18 TC1766 - Bench connection:



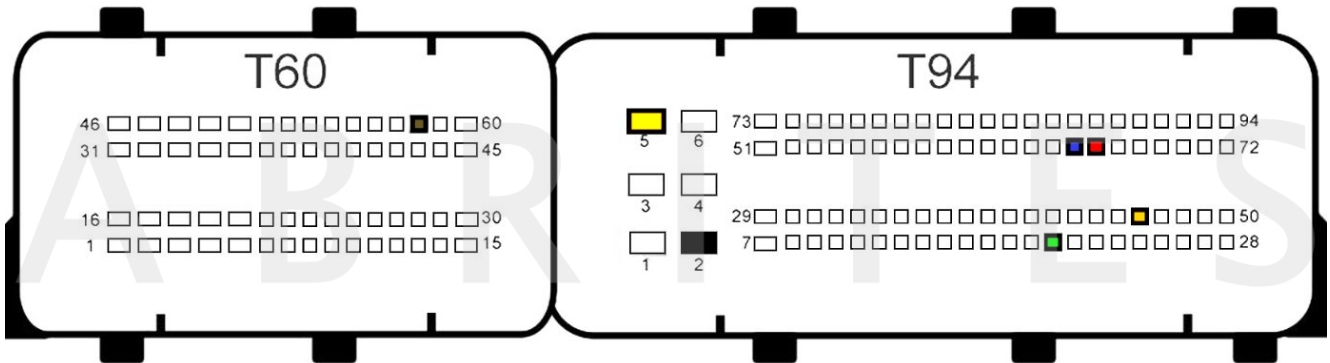
BOSCH EDC17C19 TC1792 - Bench connection:



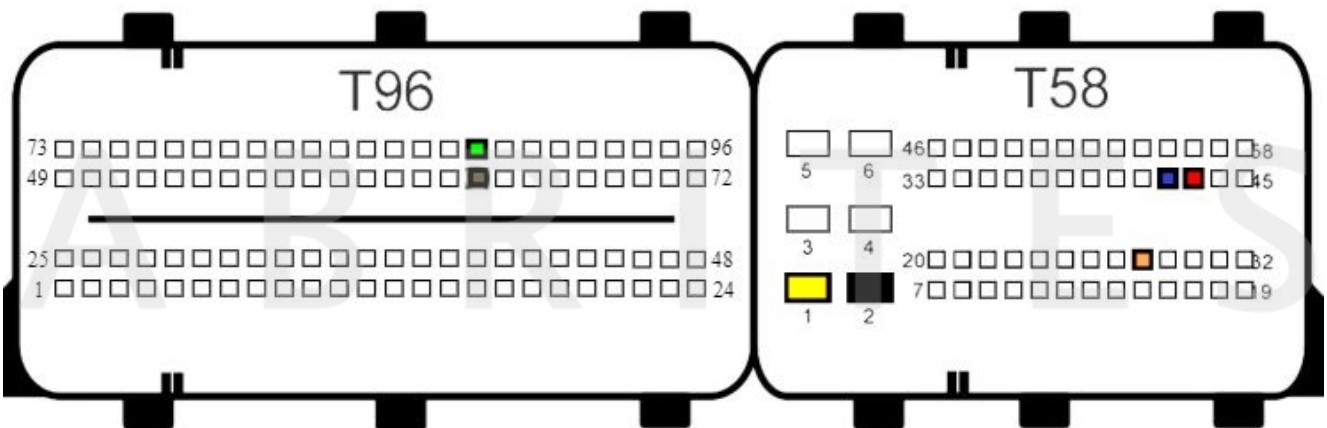
BOSCH EDC17C42 TC1767 - Bench connection:



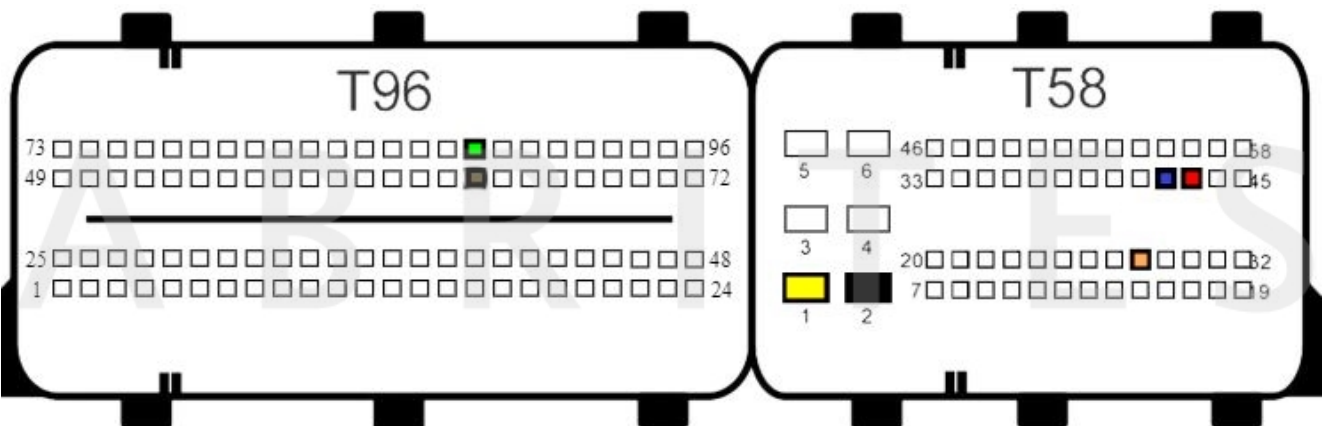
BOSCH EDC17C59 TC1767 - Bench connection:



BOSCH EDC17C84 TC1782 - Bench connection:

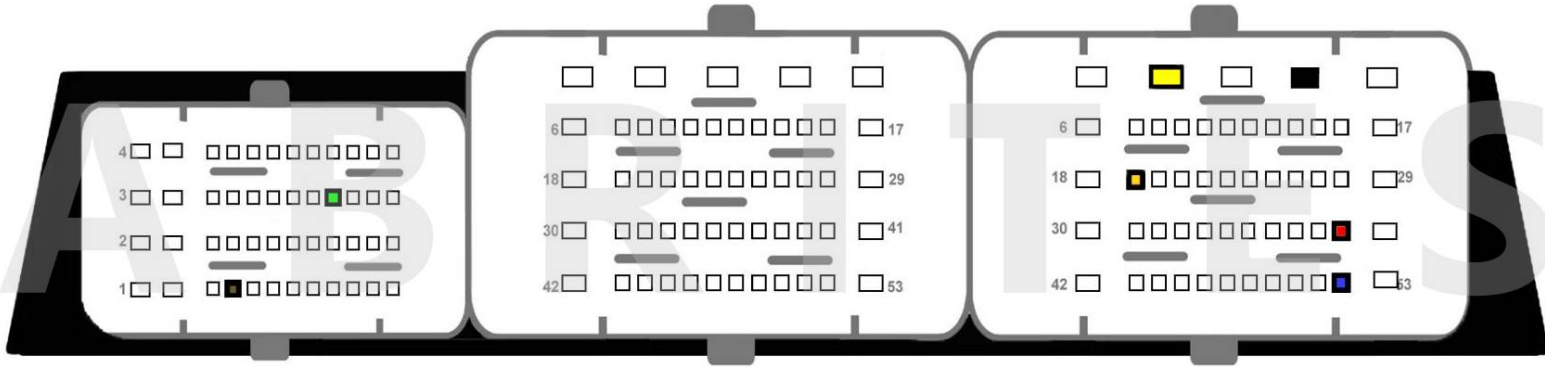


BOSCH EDC17CP47 TC1797 - Bench connection:

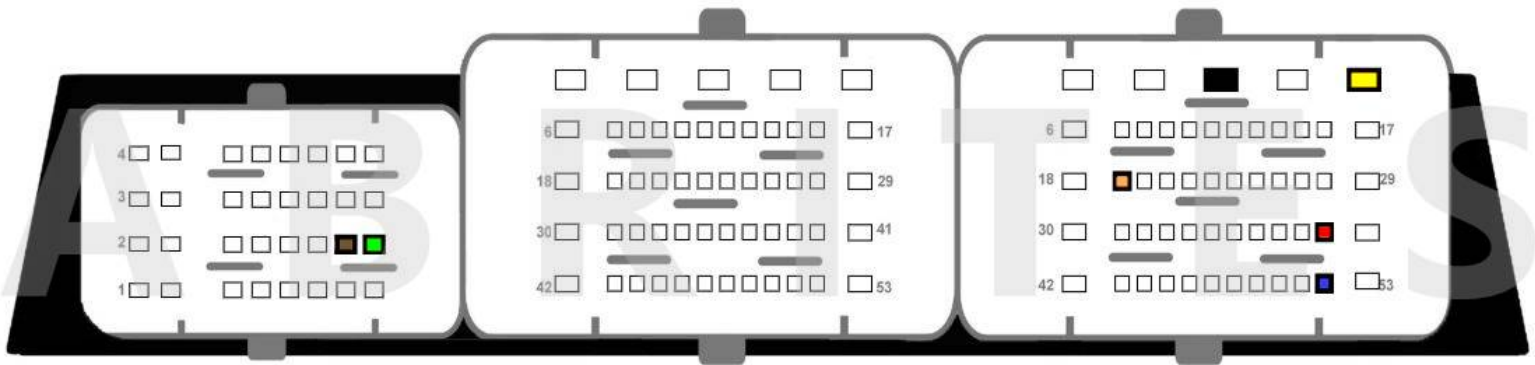


Peugeot

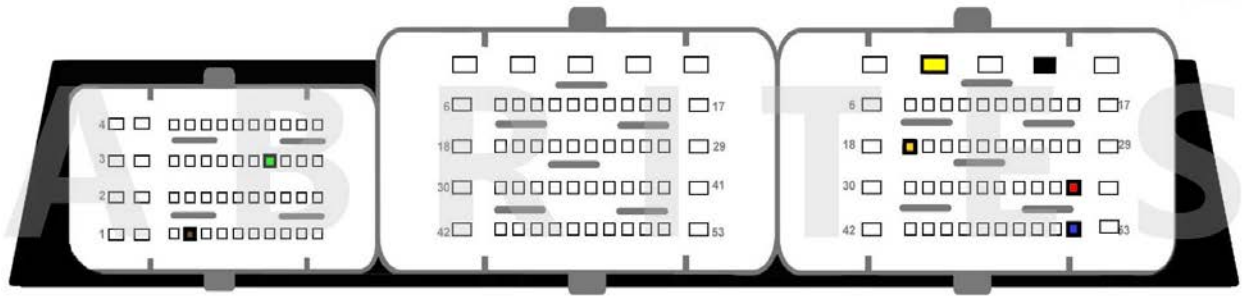
BOSCH EDC17C10 TC1796 - Bench connection:



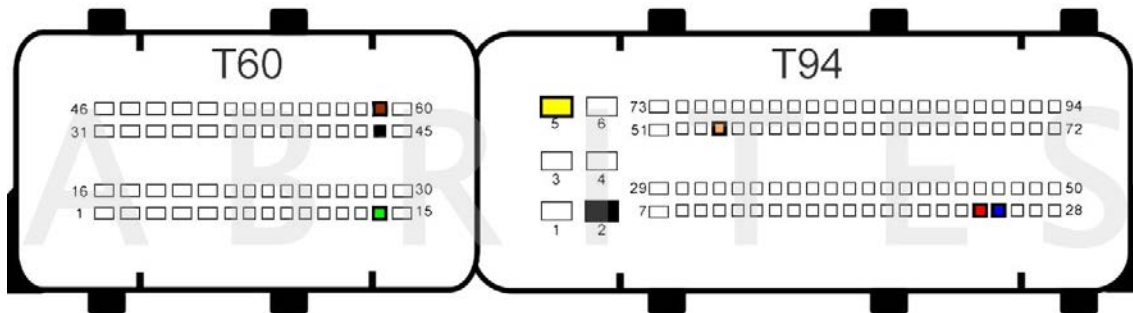
BOSCH MEV17.4 TC1766



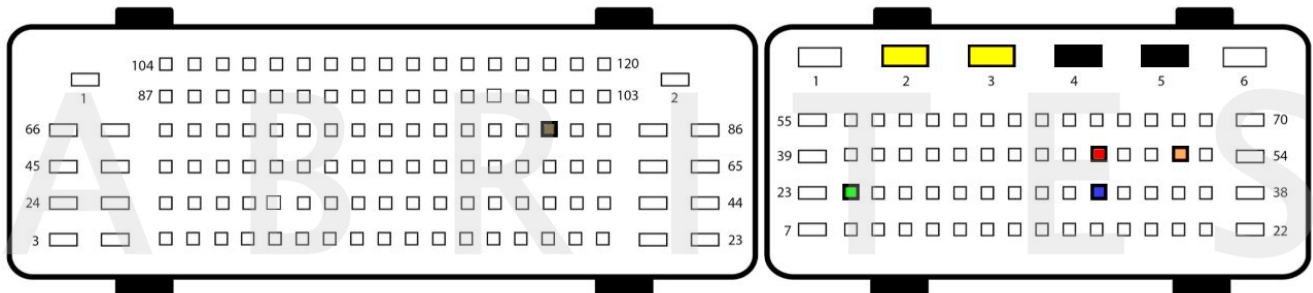
BOSCH EDC17C10 TC1797 - Bench connection:



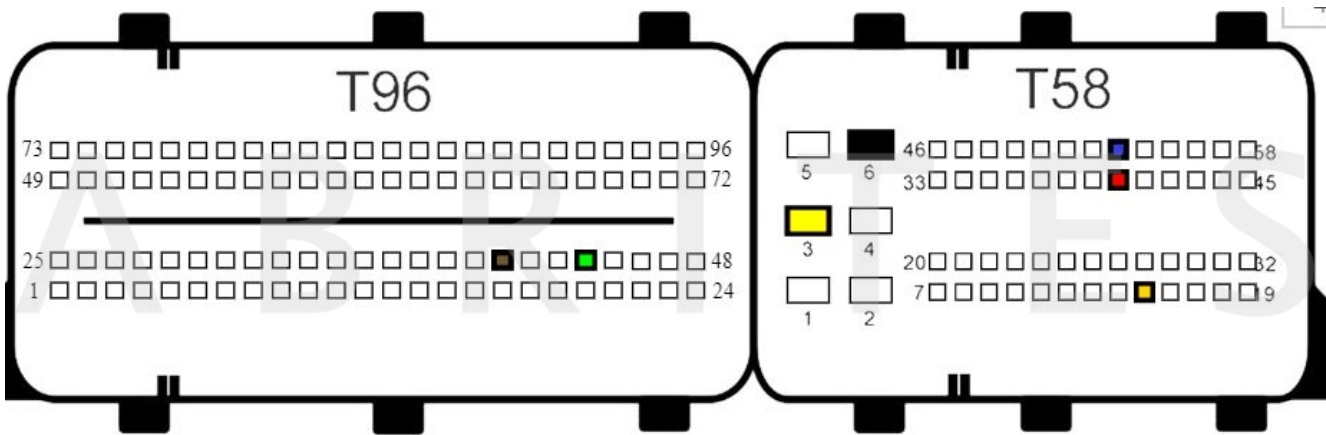
BOSCH EDC17C49 TC1797 - Bench connection:



BOSCH EDC17C60 TC1793 - Bench connection:



BOSCH EDC17CP11 TC1796 - Bench connection:



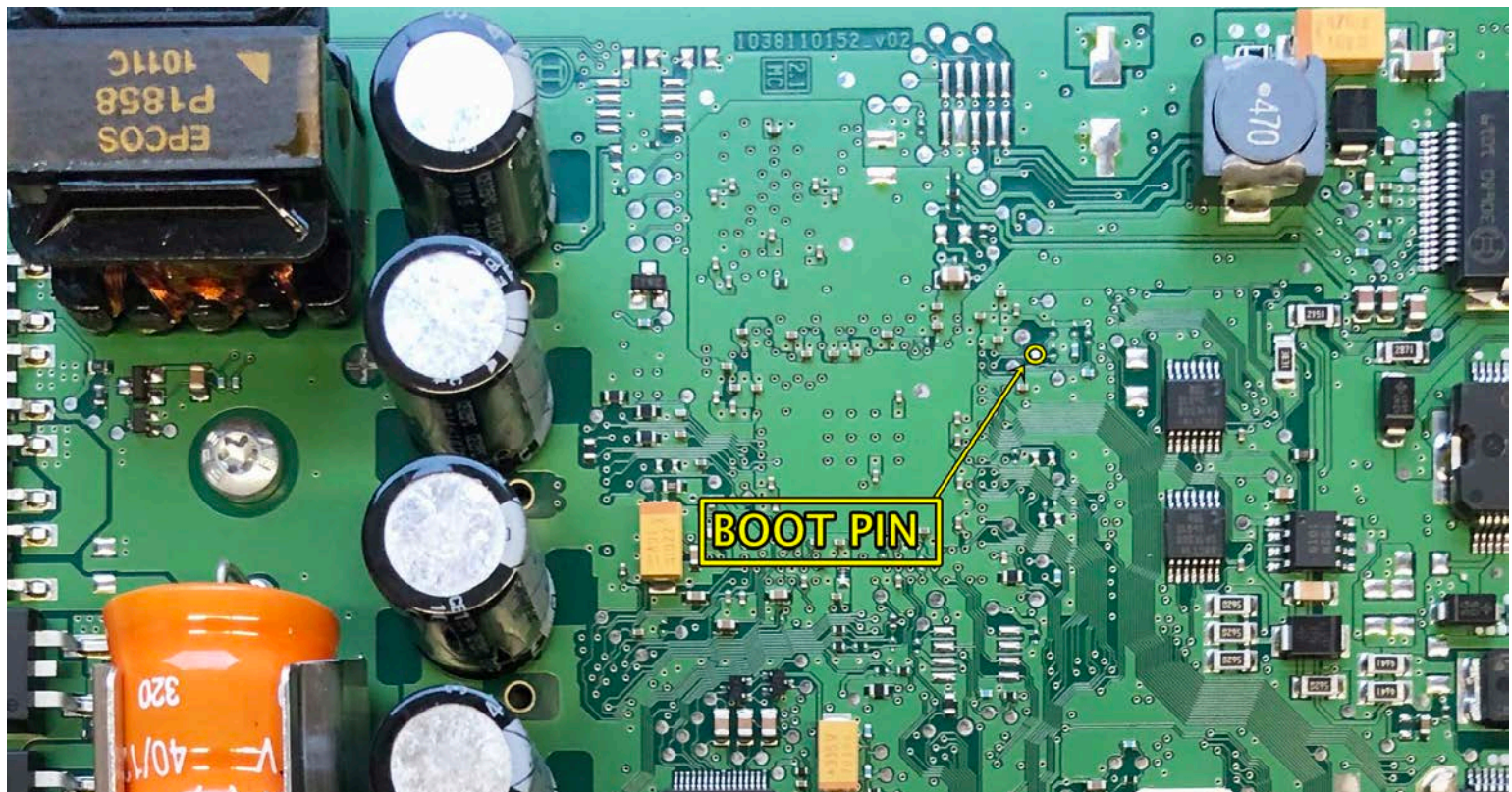
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

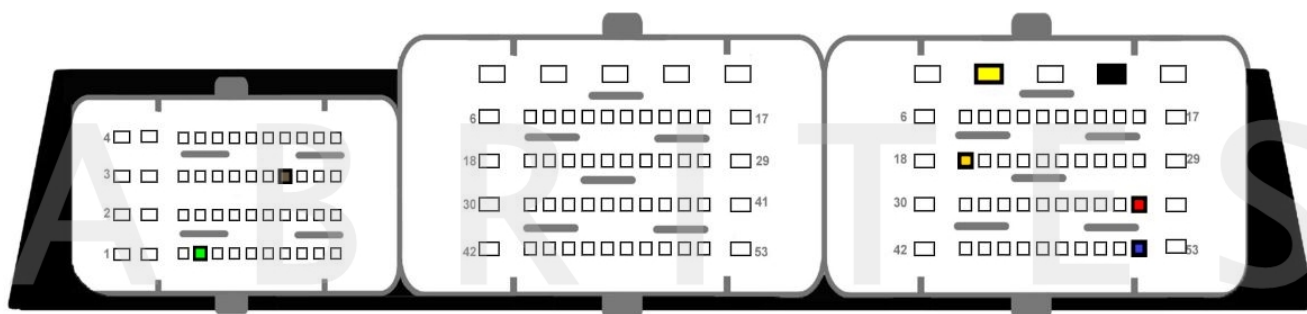
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP11 TC1796 - Boot connection:

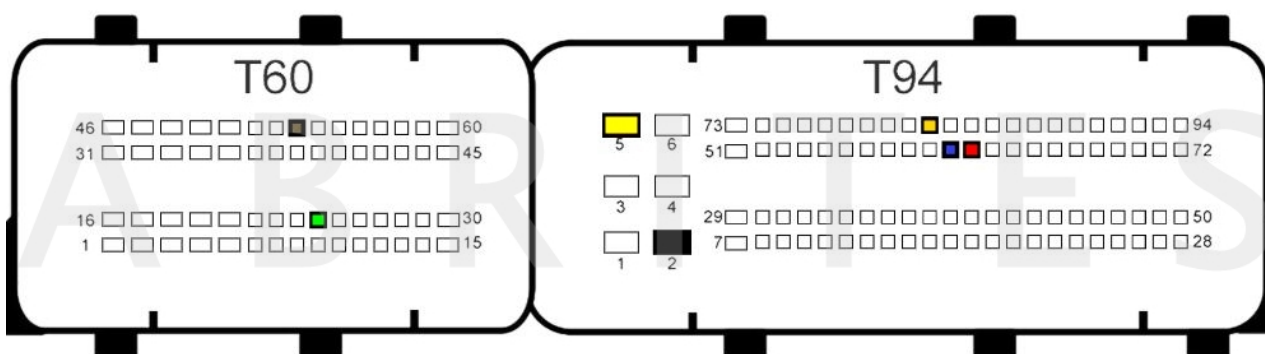


*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

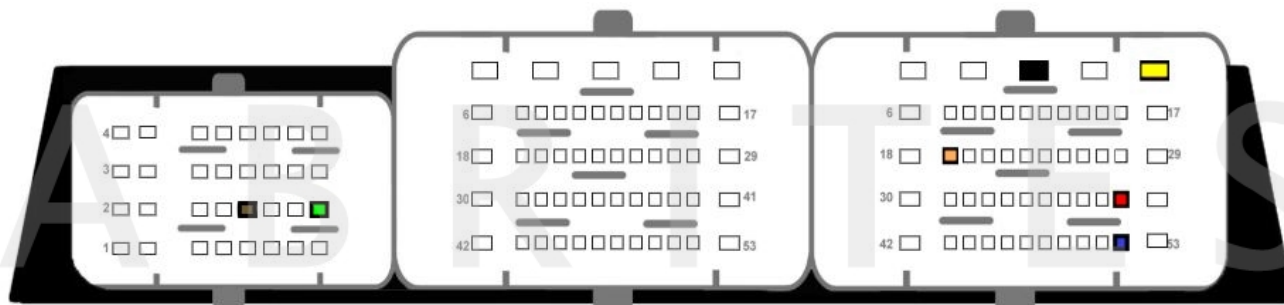
BOSCH EDC17CP42 TC1797 - Bench connection:



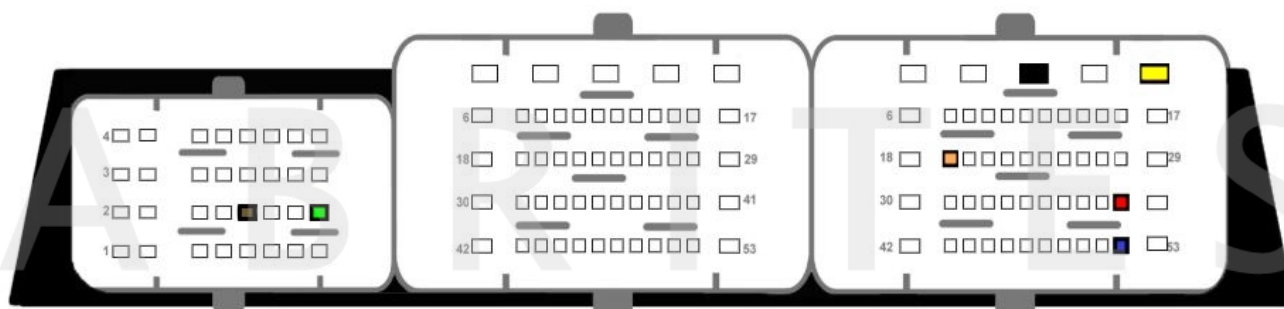
BOSCH EDC17CP52 TC1797 - Bench connection:



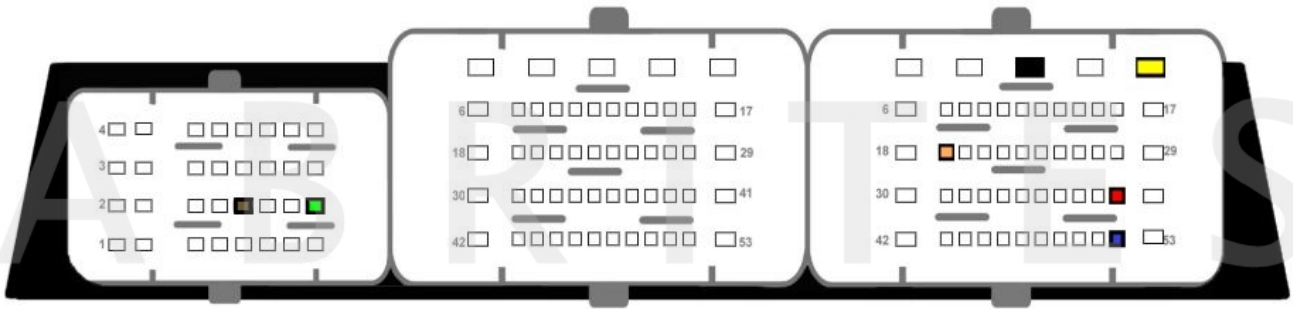
BOSCH MED17.4 TC1766 - Bench connection:



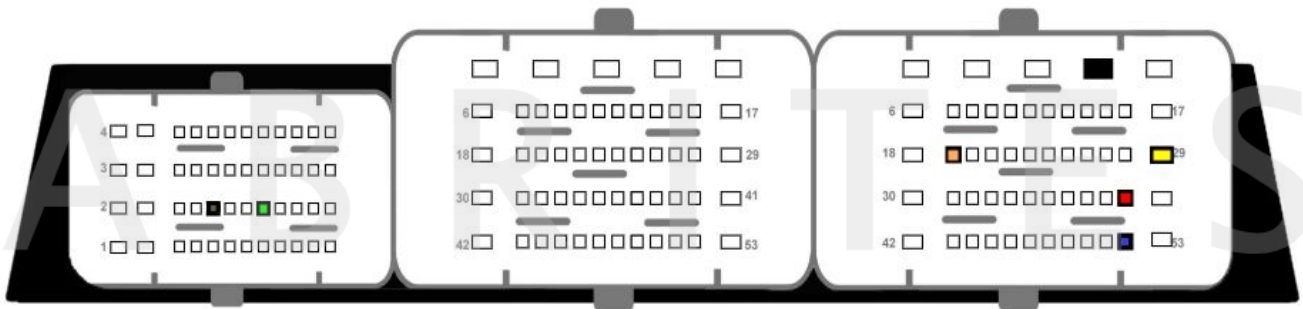
BOSCH MED17.4 TC1767 - Bench connection:



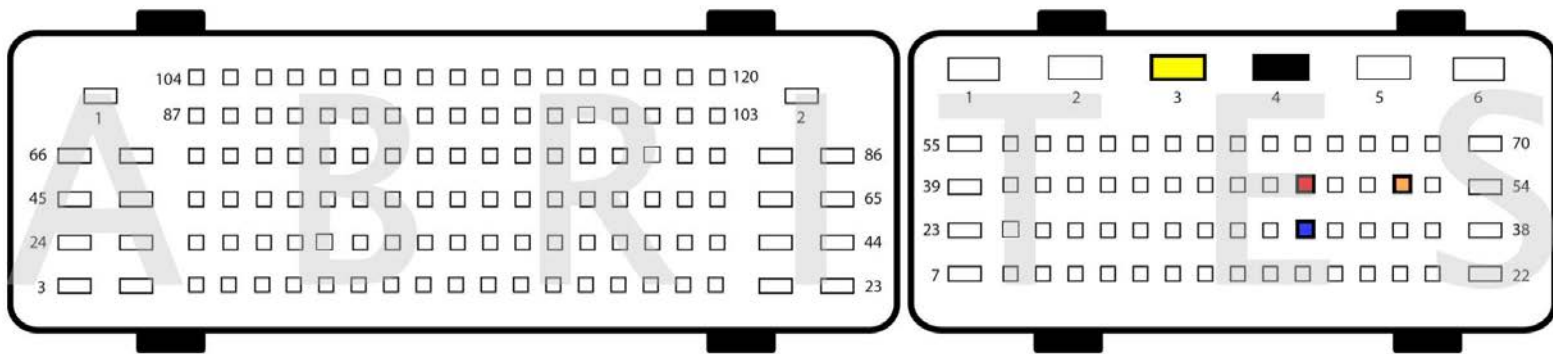
BOSCH MED17.4 TC1796 - Bench connection:



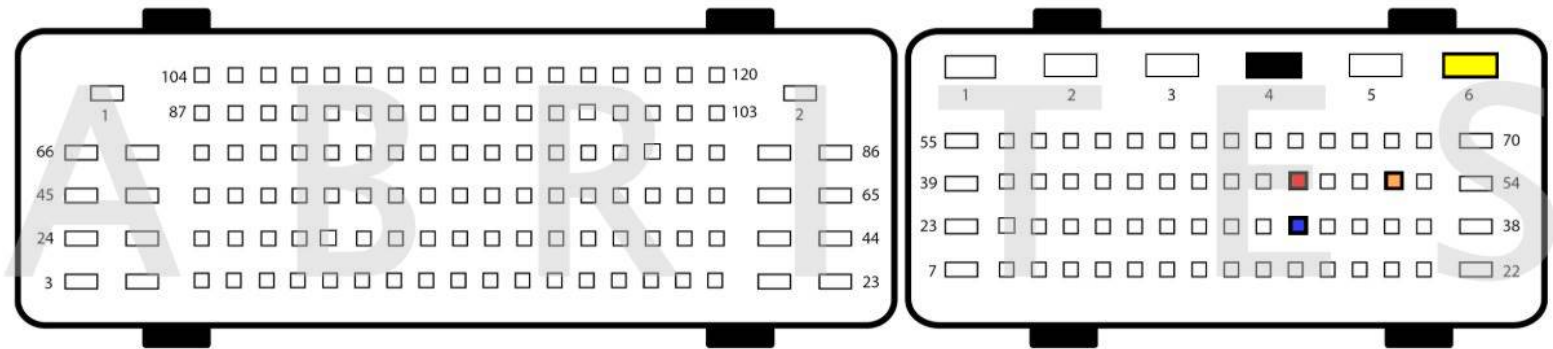
BOSCH MEVD17.4.4 TC1793 - Bench connection:



BOSCH MD1CS003 TC298TP - Bench connection:

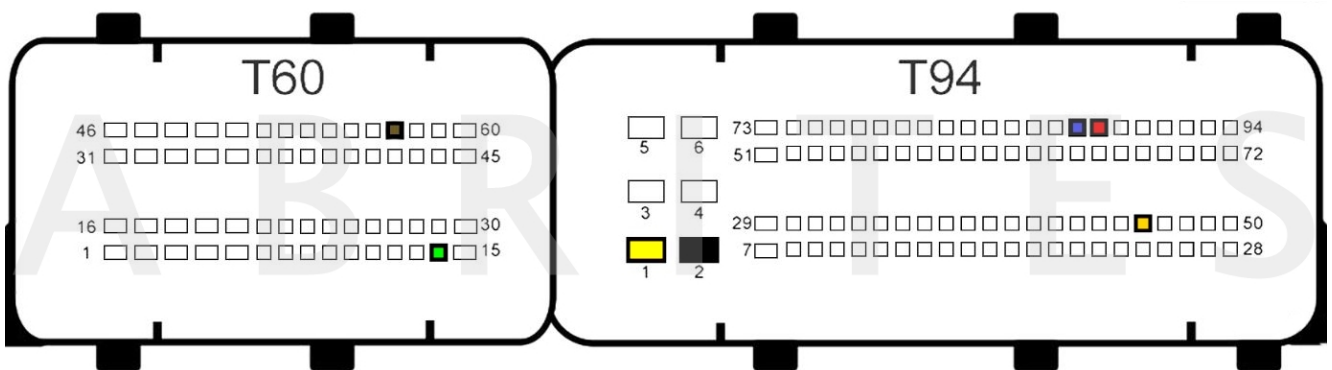


BOSCH MG1CS042 TC298TP - Bench connection:



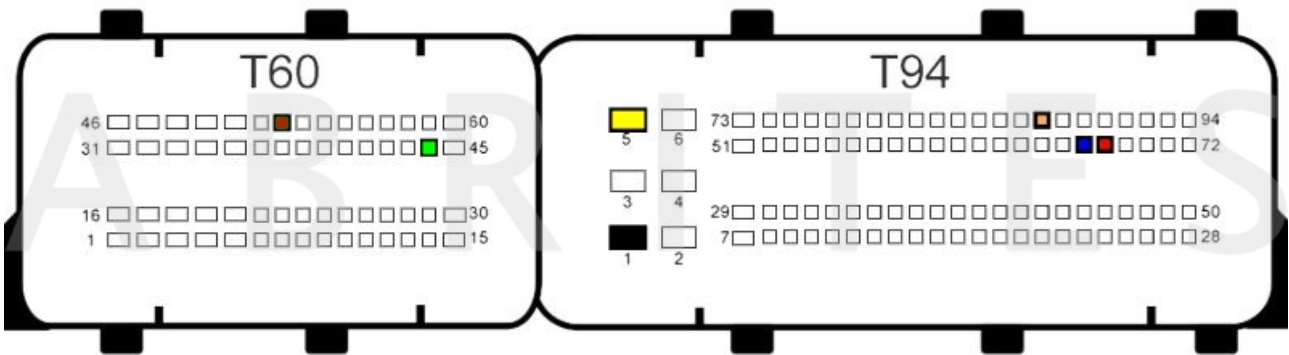
Piaggio

BOSCH EDC17C08 TC1766 - Bench connection:



Porsche

BOSCH EDC17CP14 TC1796 - Bench connection:



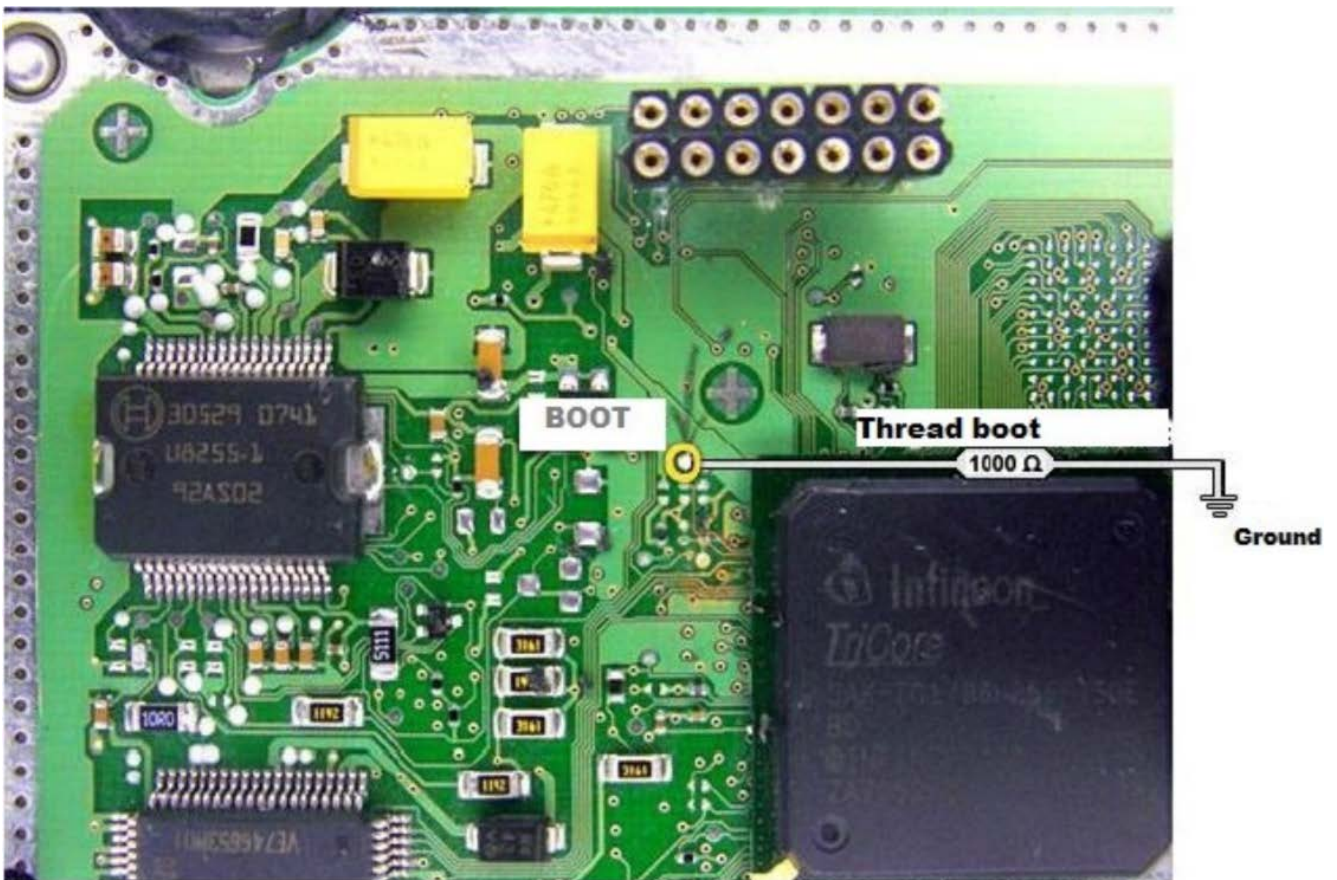
New CB401 DB15 cable Legend:

Power - **Yellow** (B+)
IGN - **Orange** (IGN)
GND - **Black** (GND)
CAN HI - **Red** (CAN6)
CAN LOW - **Blue** (CAN14)
 Boot - **White**

Old DB15 cable Legend:

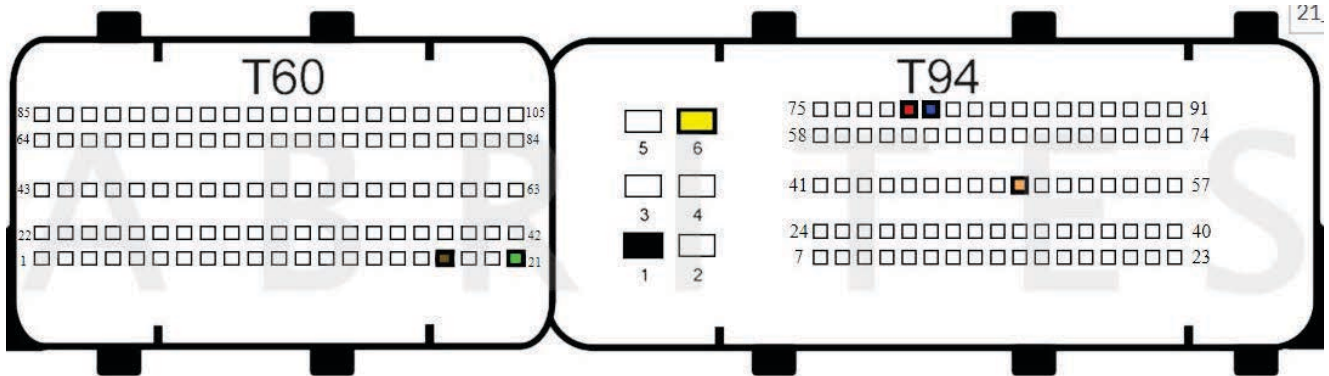
Power - **Yellow** (B+)
IGN - **Yellow/PINK** (IGN)
GND - **Black** (GND)
CAN HI - **Red** (CAN6)
CAN LOW - **Blue** (CAN14)
 Boot - **White**

BOSCH EDC17CP14 MASTER TC1796 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17CP44 MASTER TC1797 - Bench connection



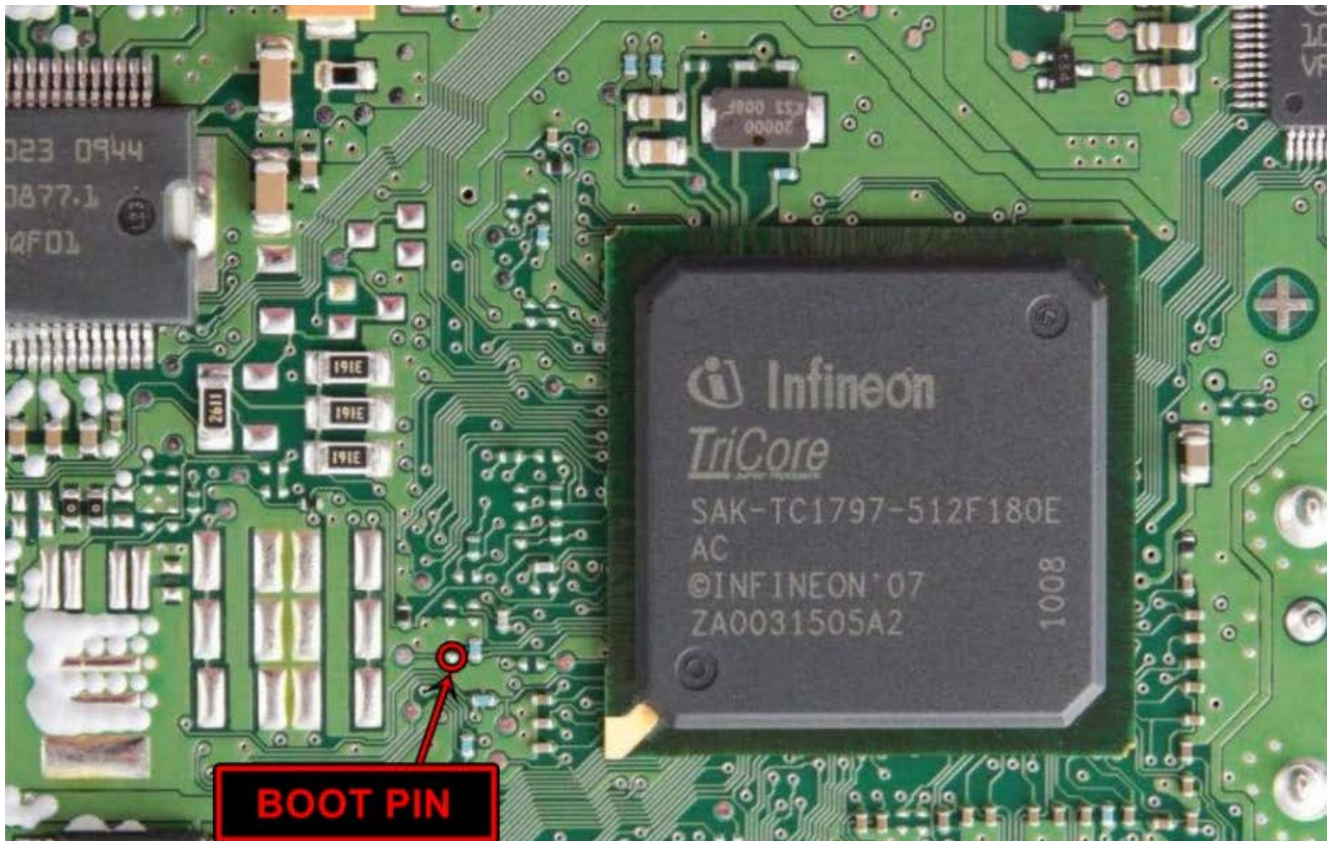
New CB401 DB15 cable Legend:

Power - **Yellow** (B+)
IGN - **Orange** (IGN)
GND - **Black** (GND)
CAN HI - **Red** (CAN6)
CAN LOW - **Blue** (CAN14)
Boot - **White**

Old DB15 cable Legend:

Power - **Yellow** (B+)
IGN - **Yellow/PINK** (IGN)
GND - **Black** (GND)
CAN HI - **Red** (CAN6)
CAN LOW - **Blue** (CAN14)
Boot - **White**

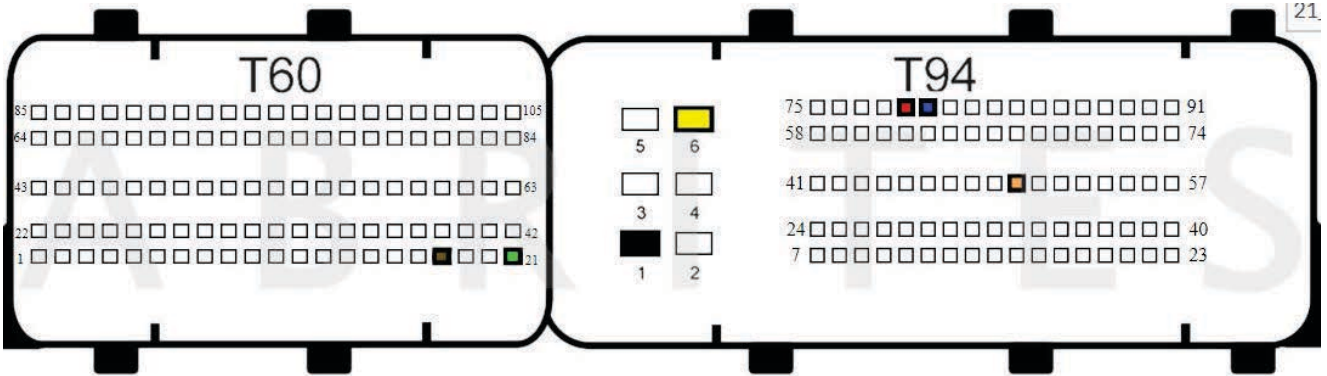
BOSCH EDC17CP44 MASTER TC1797 - BSL connection:



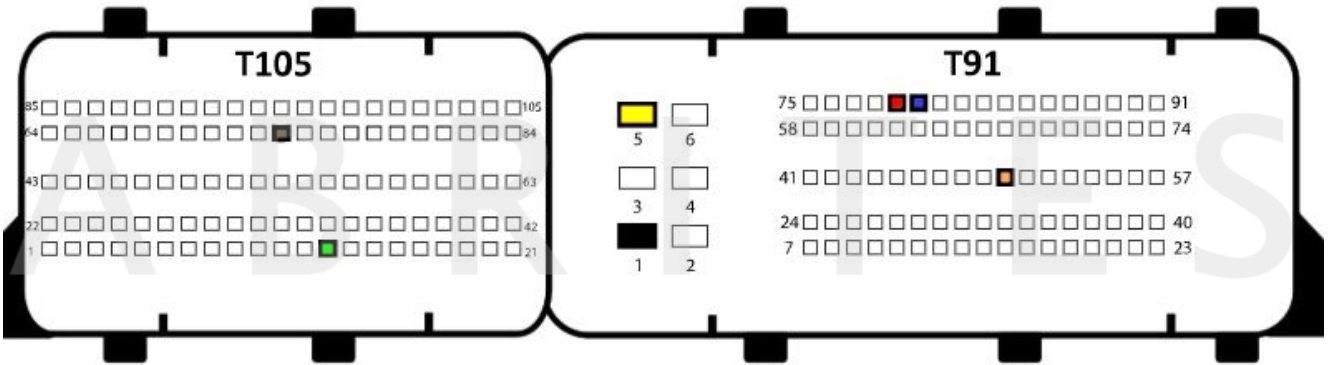
*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17CP44 SLAVE TC1797 - Bench connection:

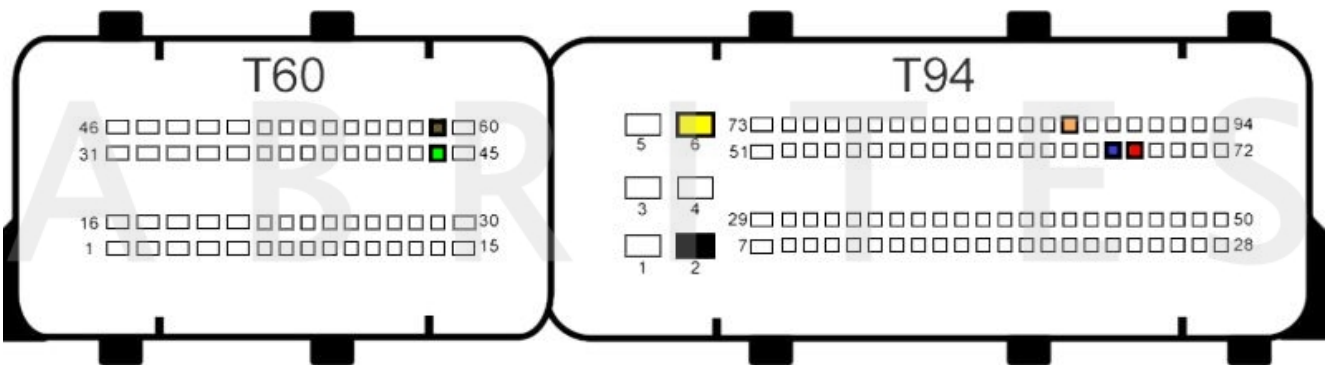
21



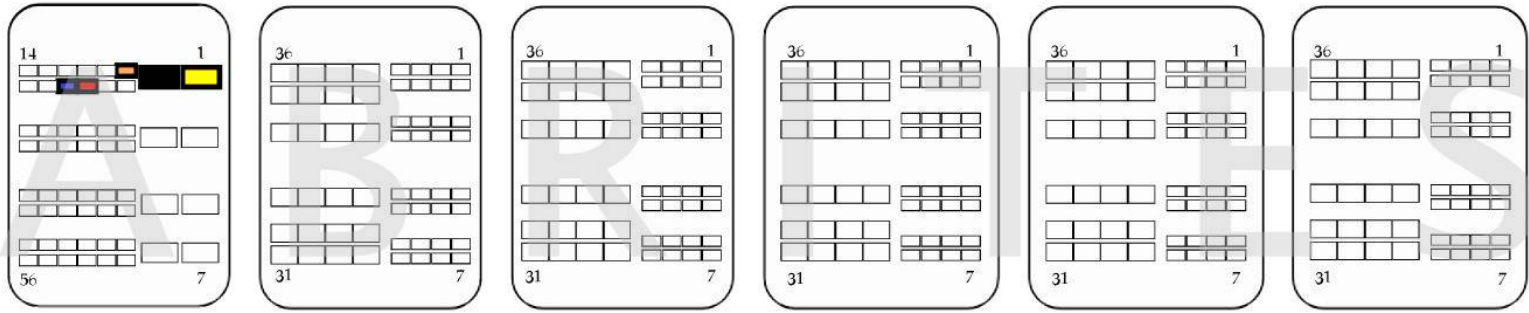
BOSCH MED17.1.11 TC1797 - Bench connection:



BOSCH MED17.1.6 TC1797 - Bench connection:

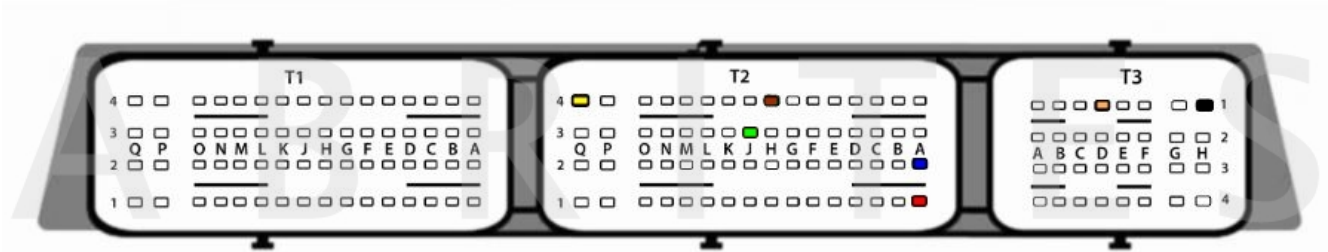


BOSCH MG1CP007 TC299TP - Bench connection:

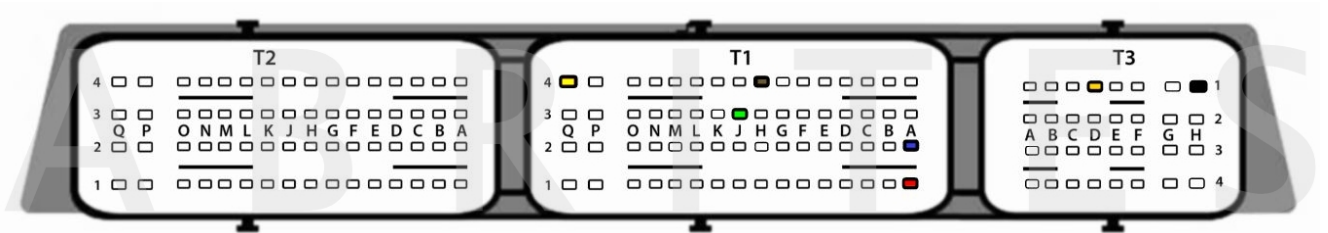


Renault

BOSCH EDC17C11 TC1766 - Bench connection:

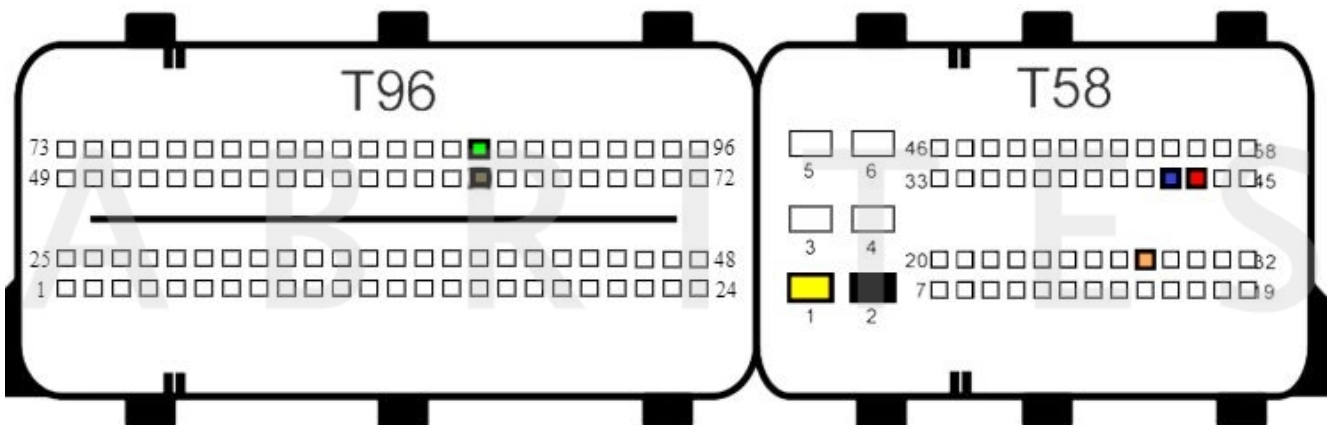


BOSCH EDC17C42 TC1767 - Bench connection:

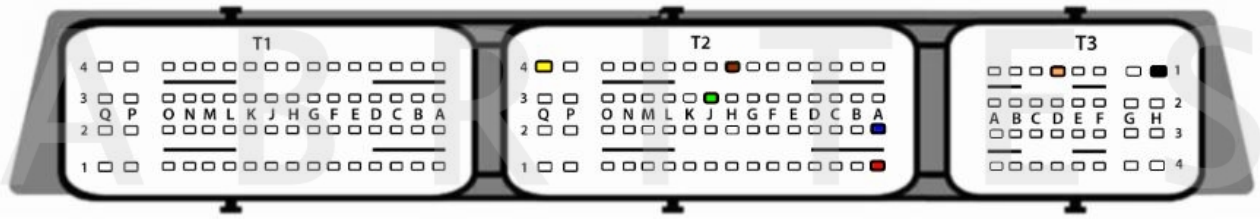


BOSCH EDC17C45 TC1767 - Diagram coming soon

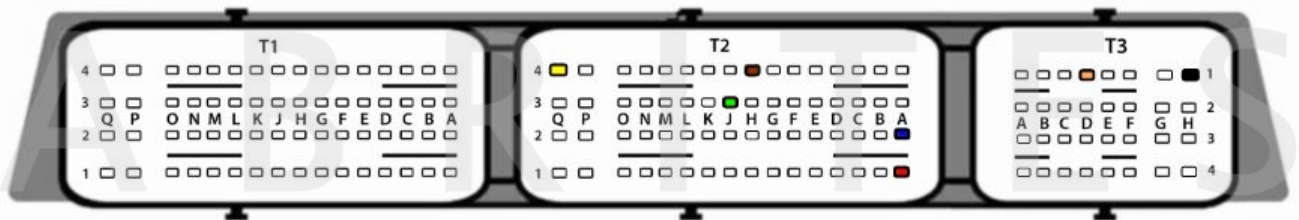
BOSCH EDC17C84 TC1782 - Bench connection:



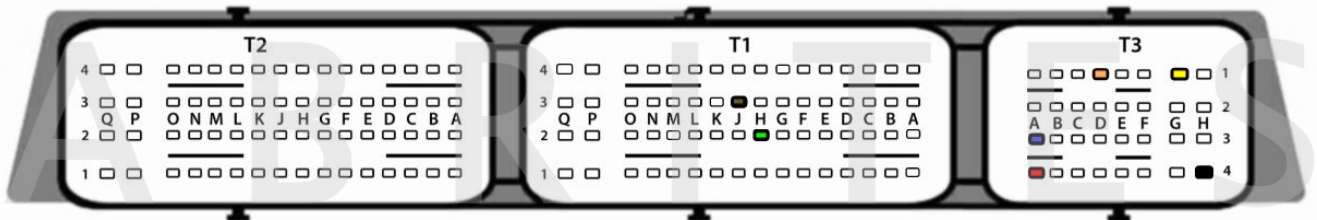
BOSCH EDC17CP19 TC1766 - Bench connection:



BOSCH EDC17CP58 TC1767 - Bench connection:



BOSCH ME17.9.20 - Bench connection:

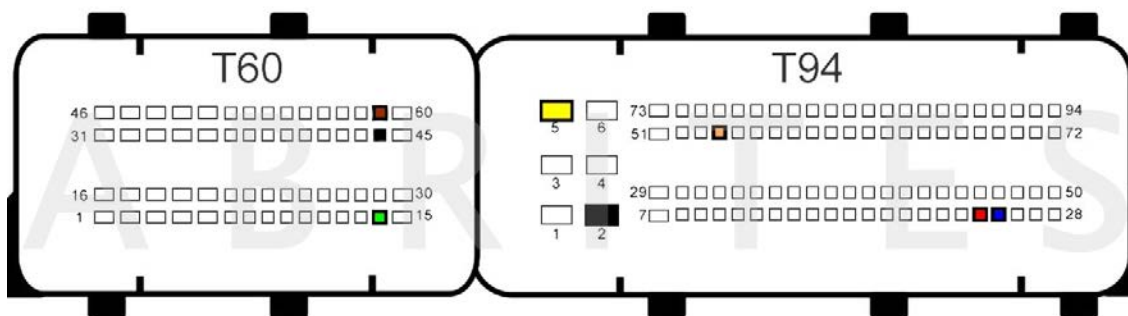


Renault Trucks

BOSCH EDC17C45 TC1767- Diagram coming soon

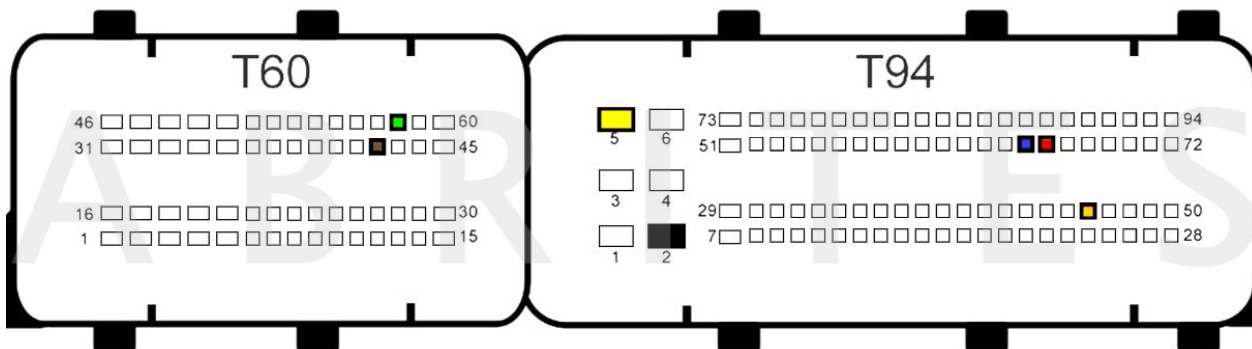
STEYR

BOSCH EDC17C49 TC1797 - Bench connection:

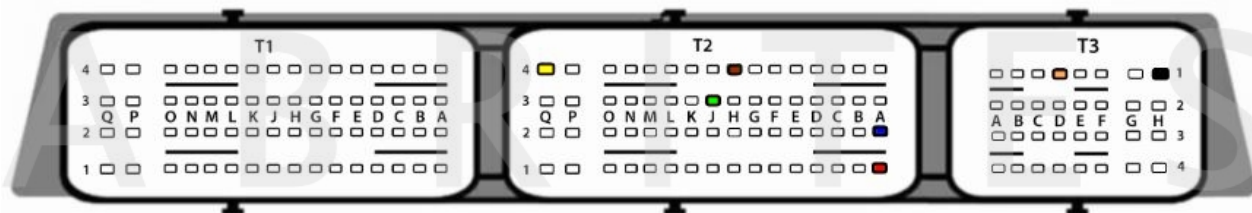


Saab

BOSCH EDC17C19 TC1792 - Bench connection:



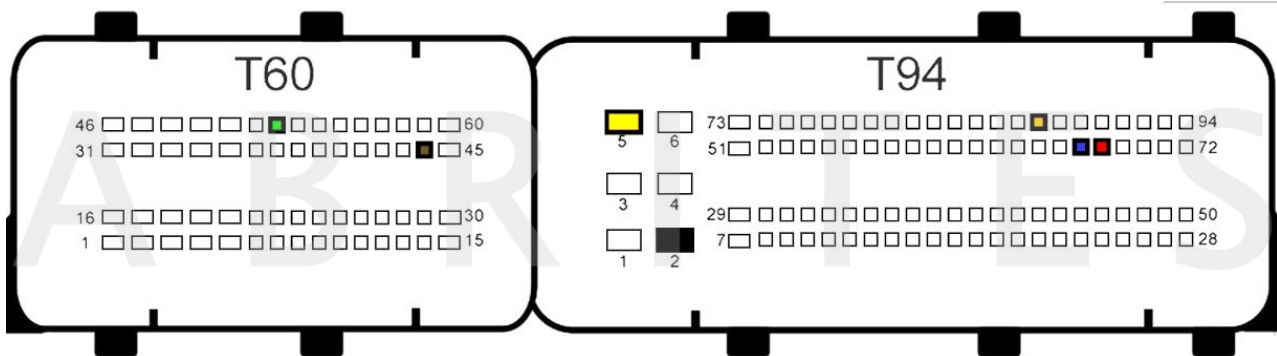
BOSCH EDC17CP19 TC1766 - Bench connection:



BOSCH EDC17CP21 TC1792 - Diagram coming soon

Seat

BOSCH EDC17C46 TC1767 - Bench connection:



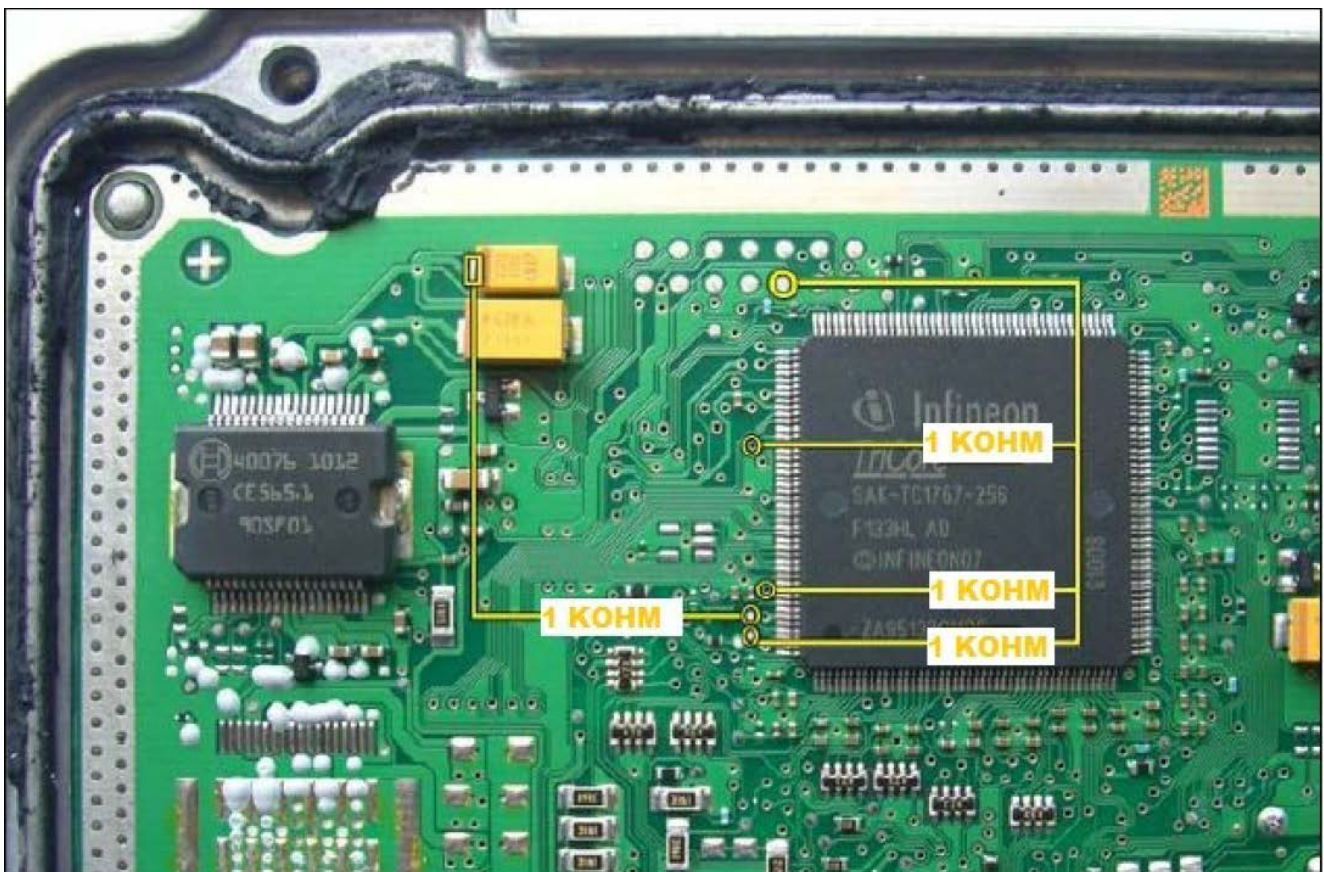
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

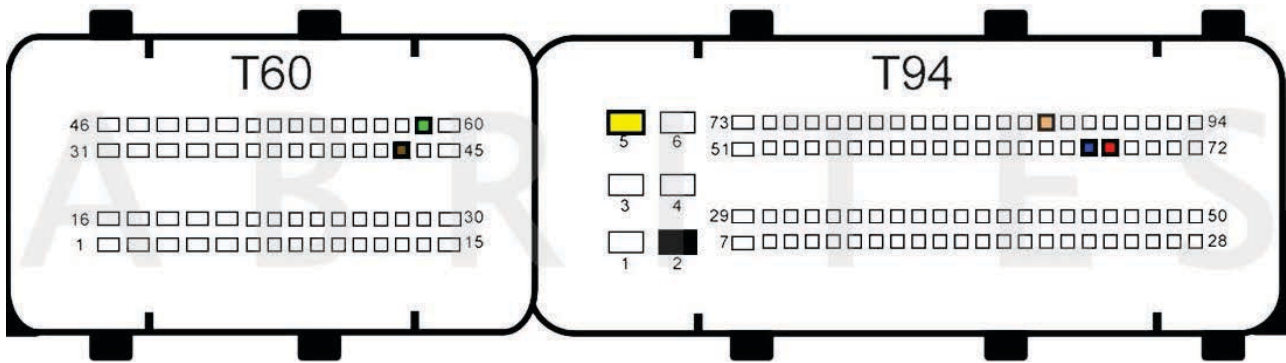
Old DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17C46 TC1767 - BSL connection:



BOSCH EDC17C64 TC1797 - Bench connection:



New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

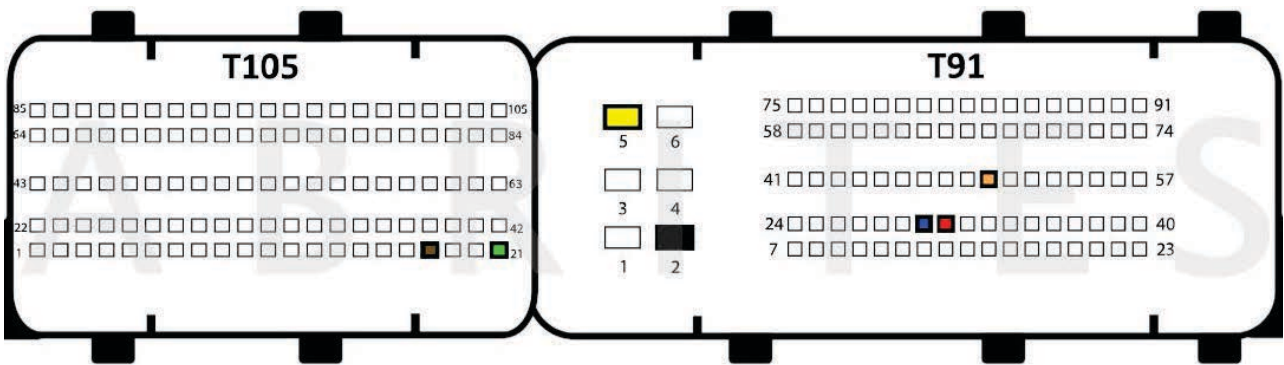
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17C64 TC1797- BSL connection:

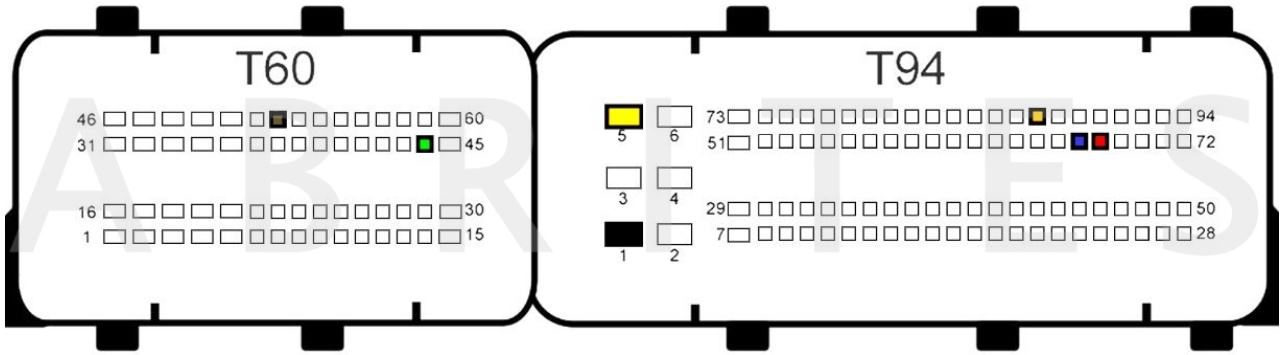


*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17C74 TC1793 - Bench connection:



EDC17CP04 TC1796 - Bench connection:



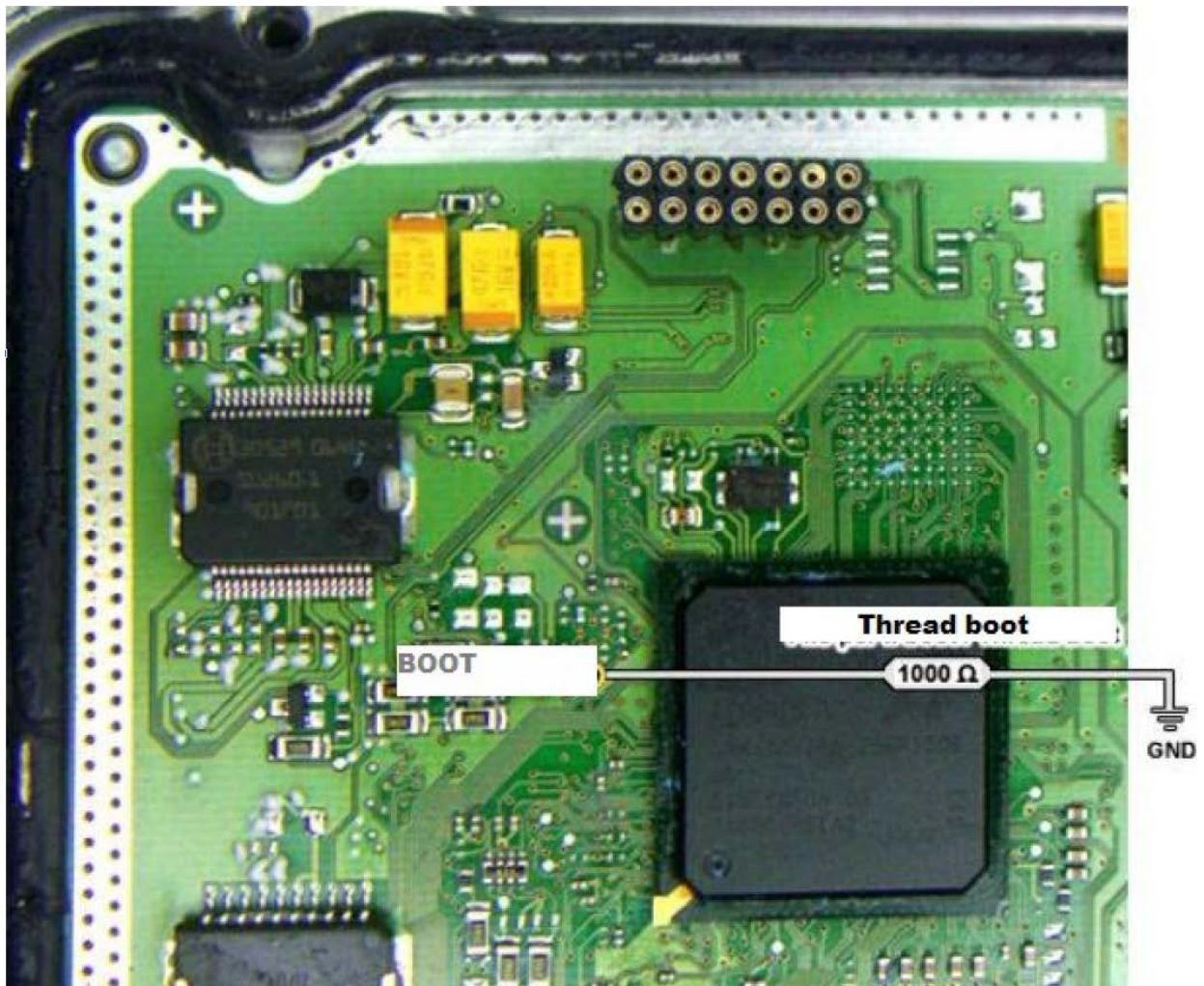
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

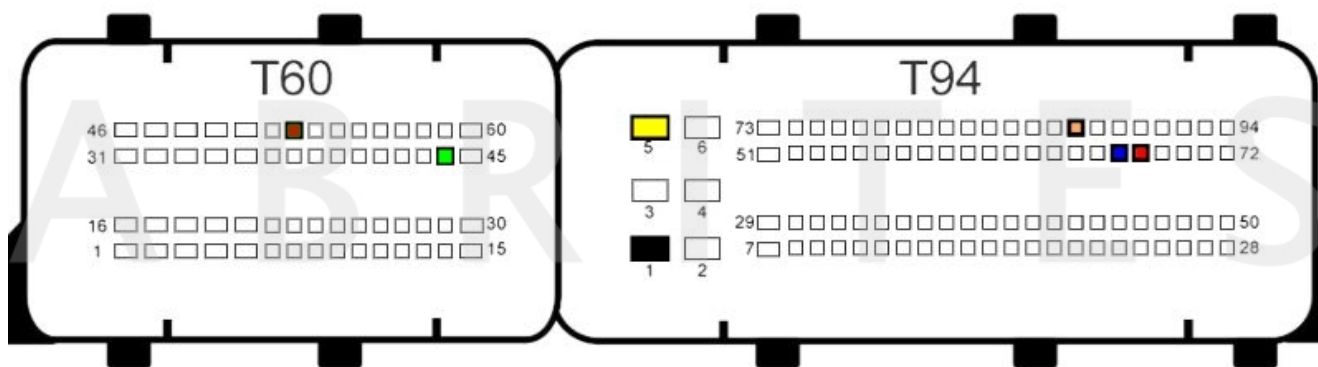
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP04 TC1796 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17CP14 TC1796 - Bench connection:



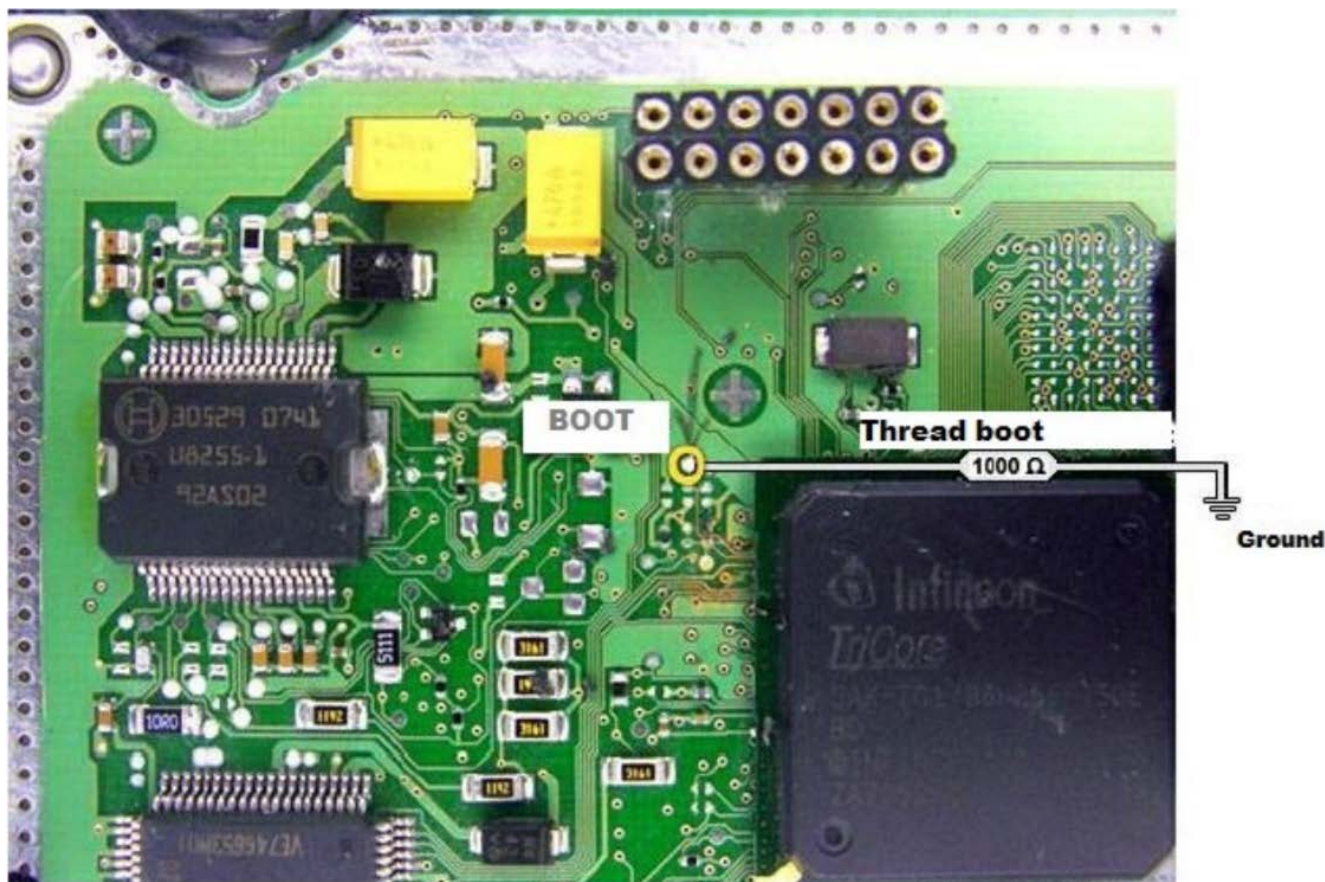
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

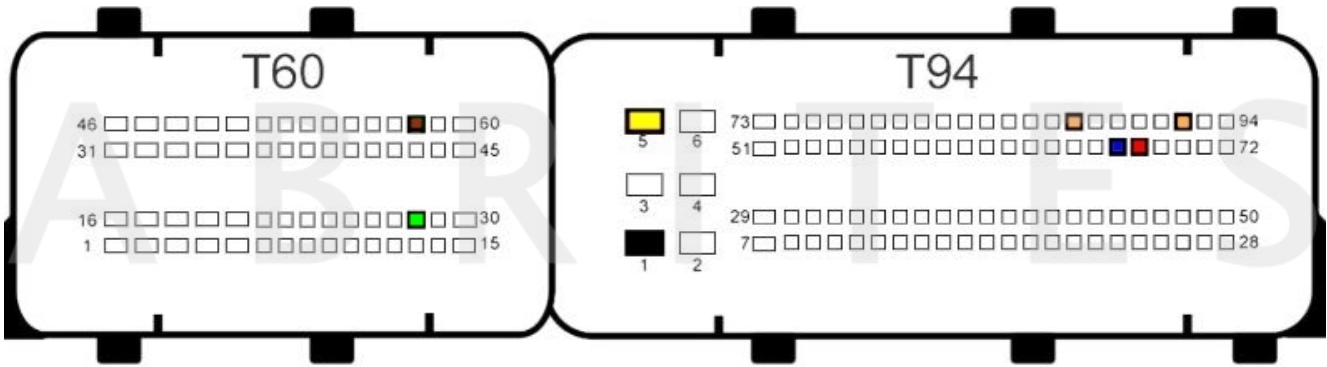
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP14 MASTER TC1796 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17U01 TC1766 - Bench connection:



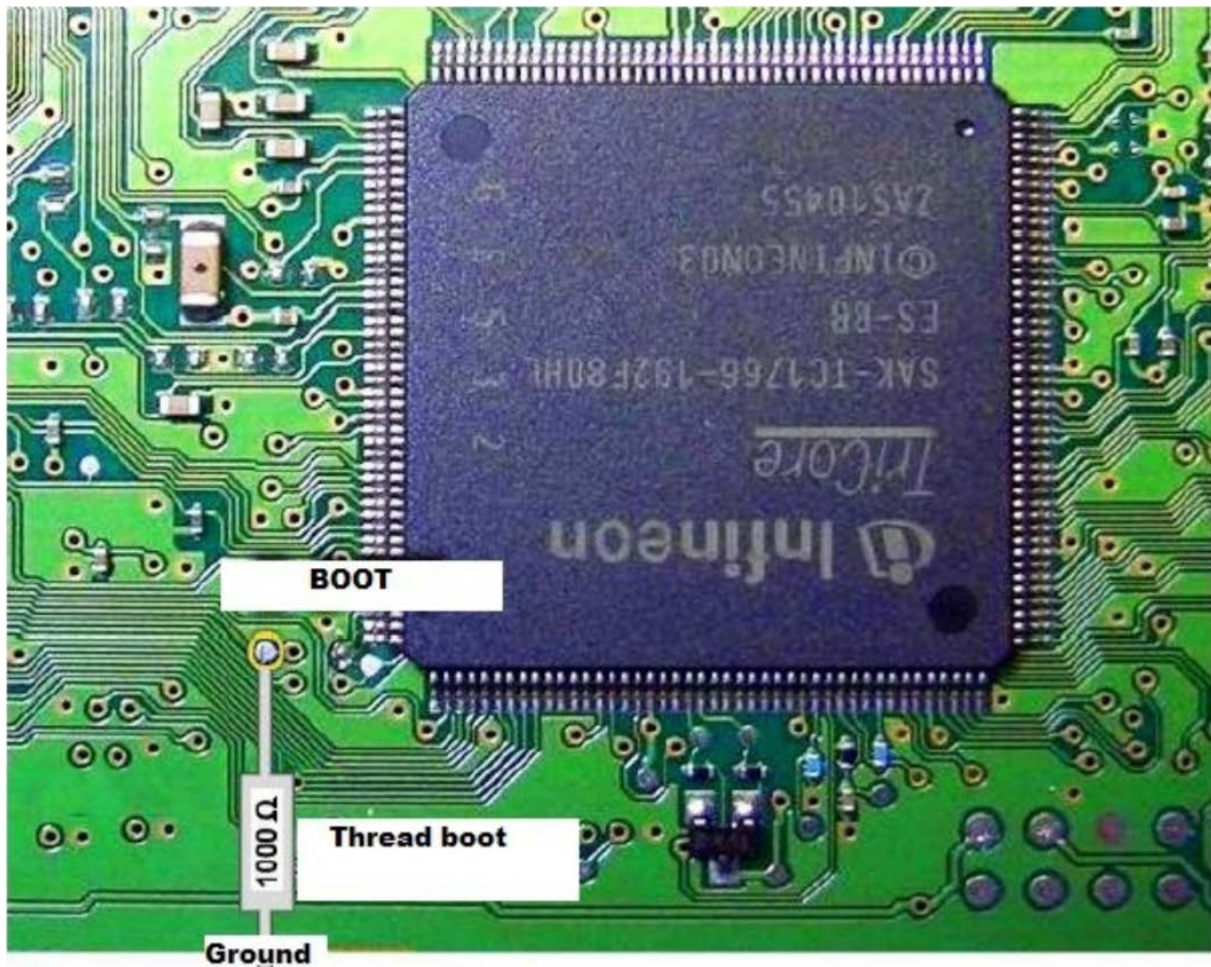
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

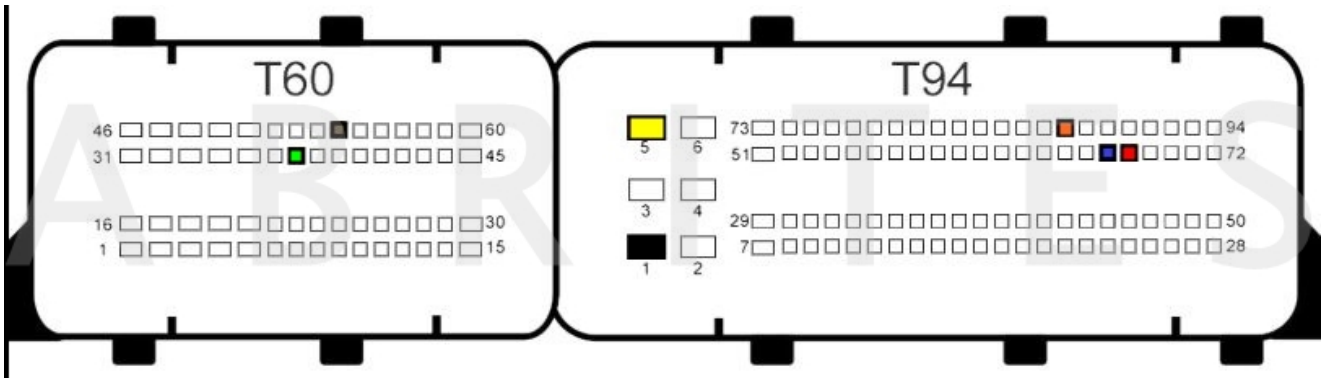
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17U01 TC1766 - BSL connection:

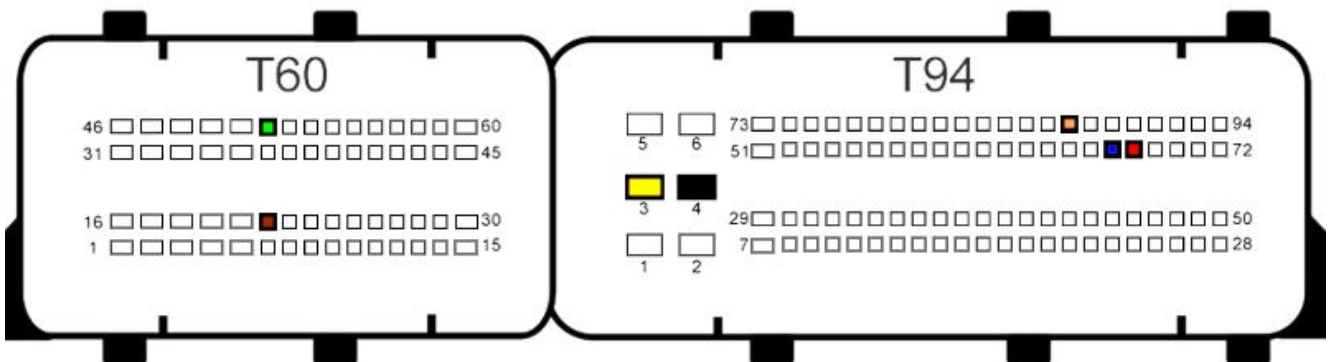


*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

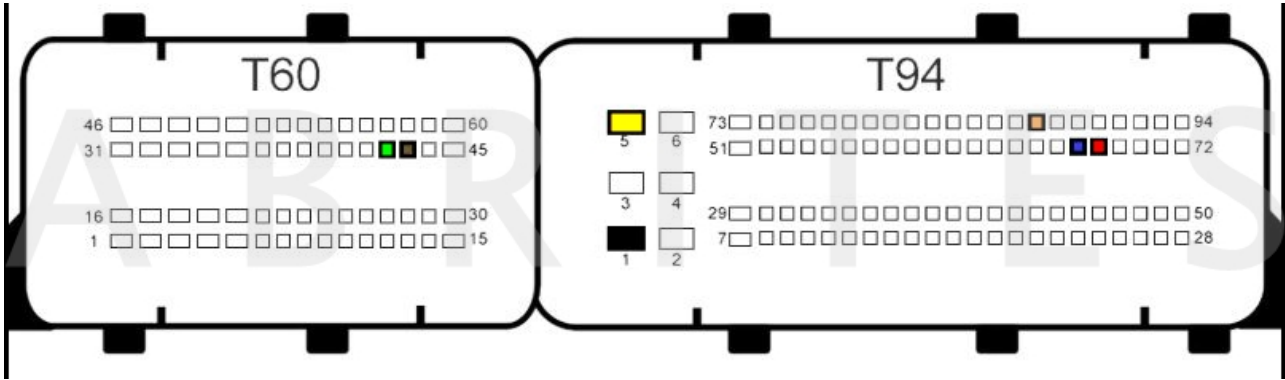
BOSCH MED17.1 TC1796 - Bench connection:



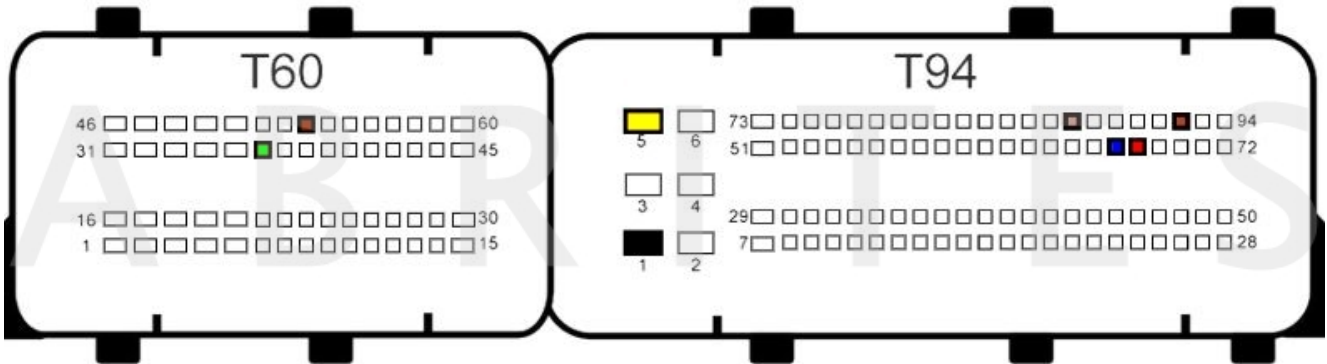
BOSCH MED17.1.21 TC1793 - Bench connection:



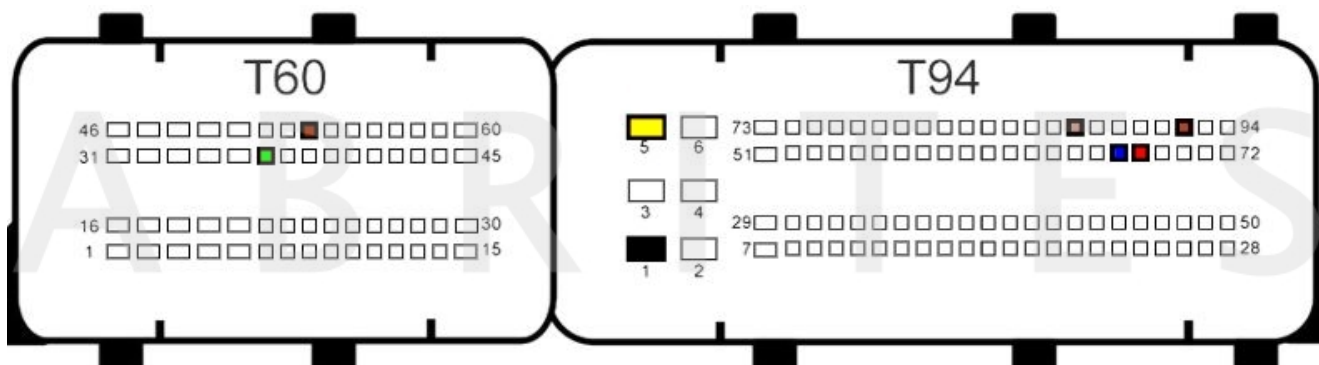
BOSCH MED17.1.27 - Bench connection:



BOSCH MED17.5 TC1766 - Bench connection:



BOSCH MED17.5.1 TC1766 - Bench connection:



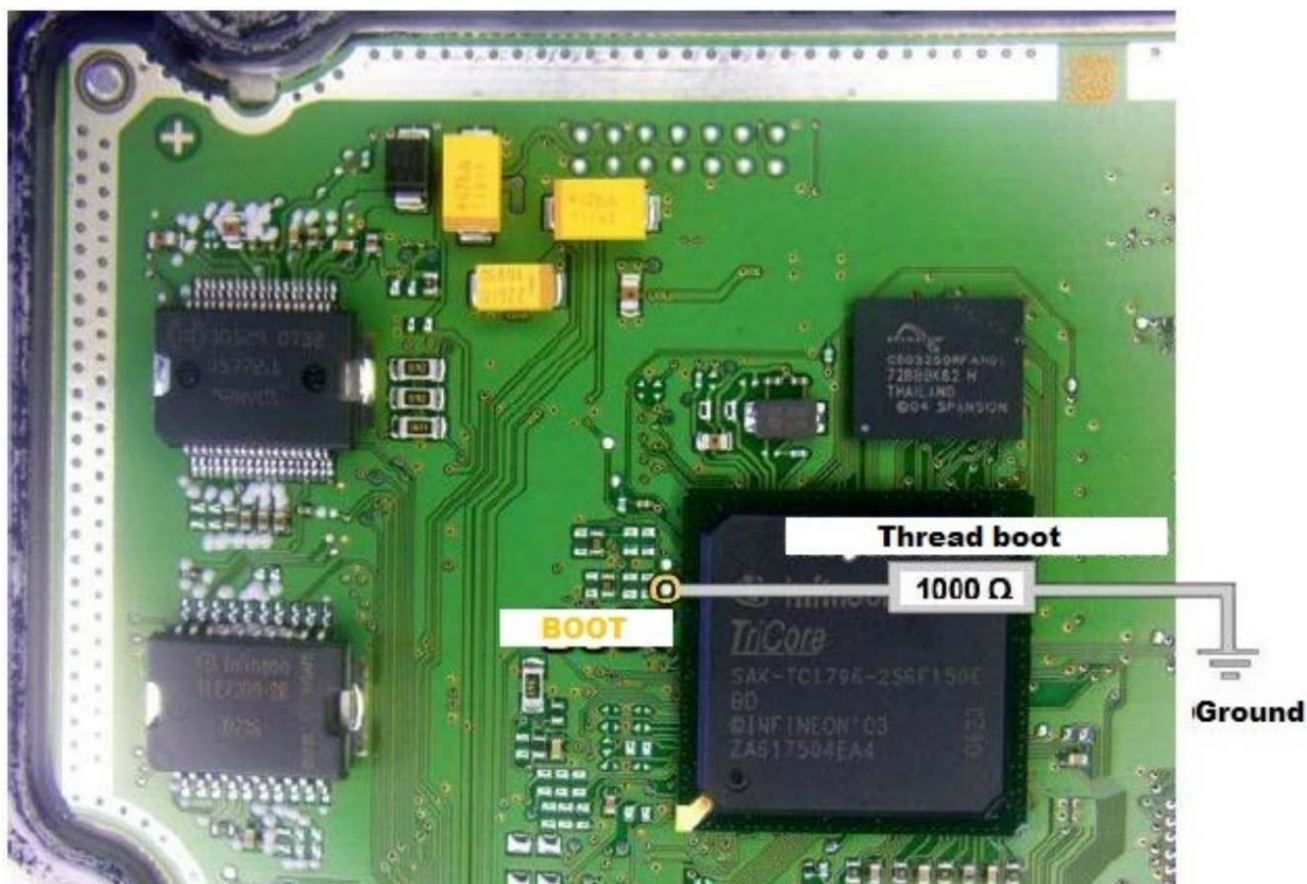
New CB401 DB15 cable Legend:

Power - **Yellow** (B+)
IGN - **Orange** (IGN)
GND - **Black** (GND)
CAN HI - **Red** (CAN6)
CAN LOW - **Blue** (CAN14)
Boot - **White**

Old DB15 cable Legend:

Power - **Yellow** (B+)
IGN - **Yellow/PINK** (IGN)
GND - **Black** (GND)
CAN HI - **Red** (CAN6)
CAN LOW - **Blue** (CAN14)
Boot - **White**

BOSCH MED17.5.1 TC1796 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH MED17.5.1 TC1796 Bench connection:



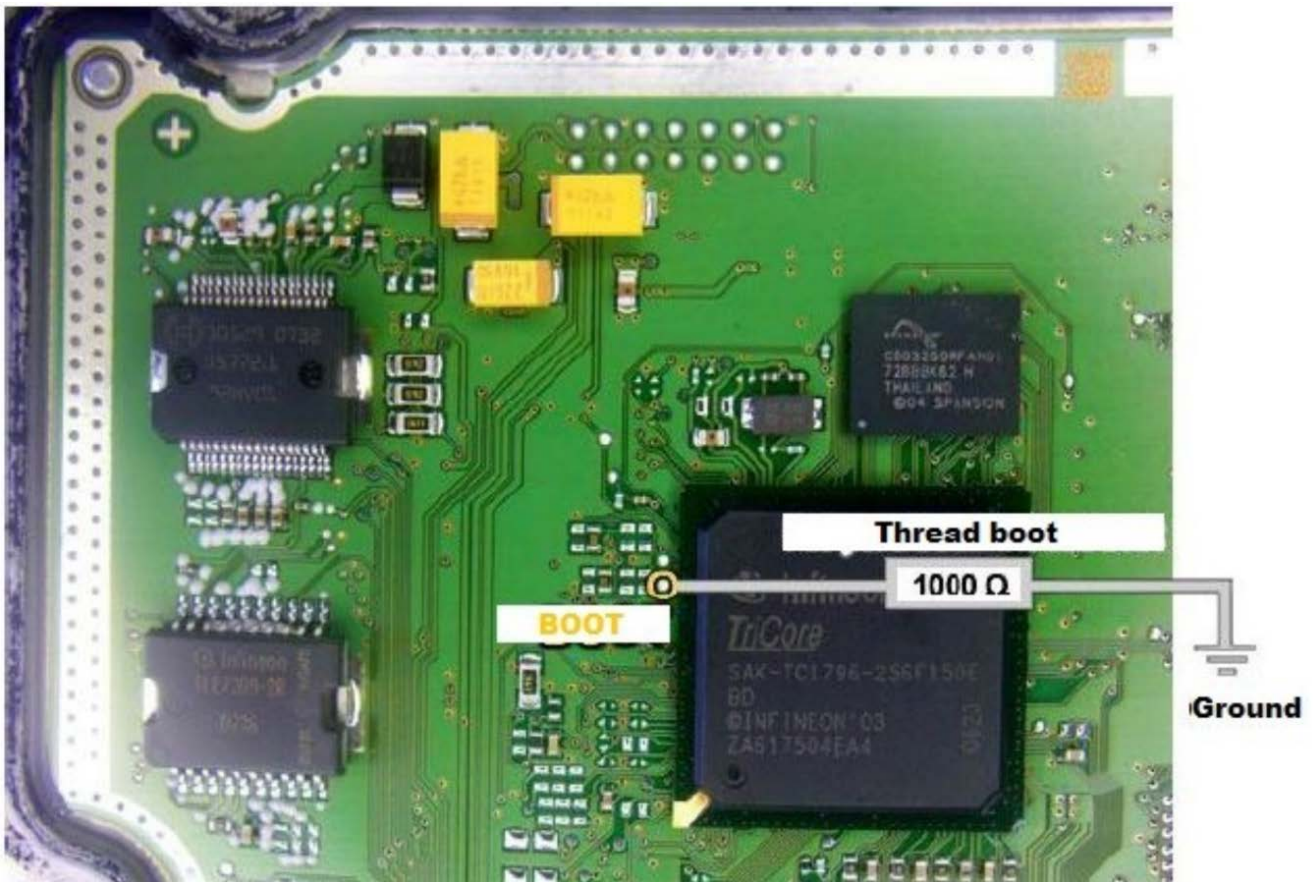
New CB401 DB15 cable Legend:

Power - **Yellow** (B+)
IGN - **Orange** (IGN)
GND - **Black** (GND)
CAN HI - **Red** (CAN6)
CAN LOW - **Blue** (CAN14)
 Boot - **White**

Old DB15 cable Legend:

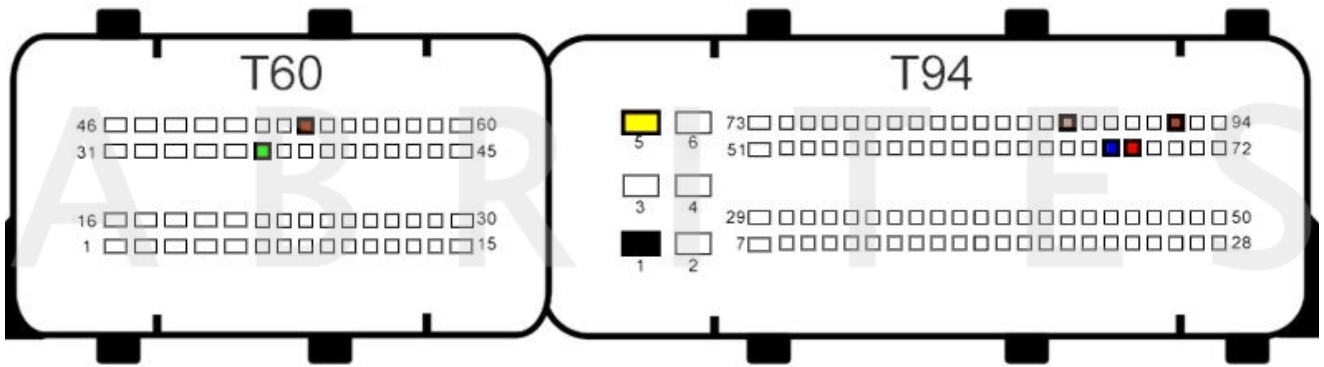
Power - **Yellow** (B+)
IGN - **Yellow/PINK** (IGN)
GND - **Black** (GND)
CAN HI - **Red** (CAN6)
CAN LOW - **Blue** (CAN14)
 Boot - **White**

BOSCH MED17.5.1 TC1796 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH MED17.5.2 TC1767 - Bench connection:



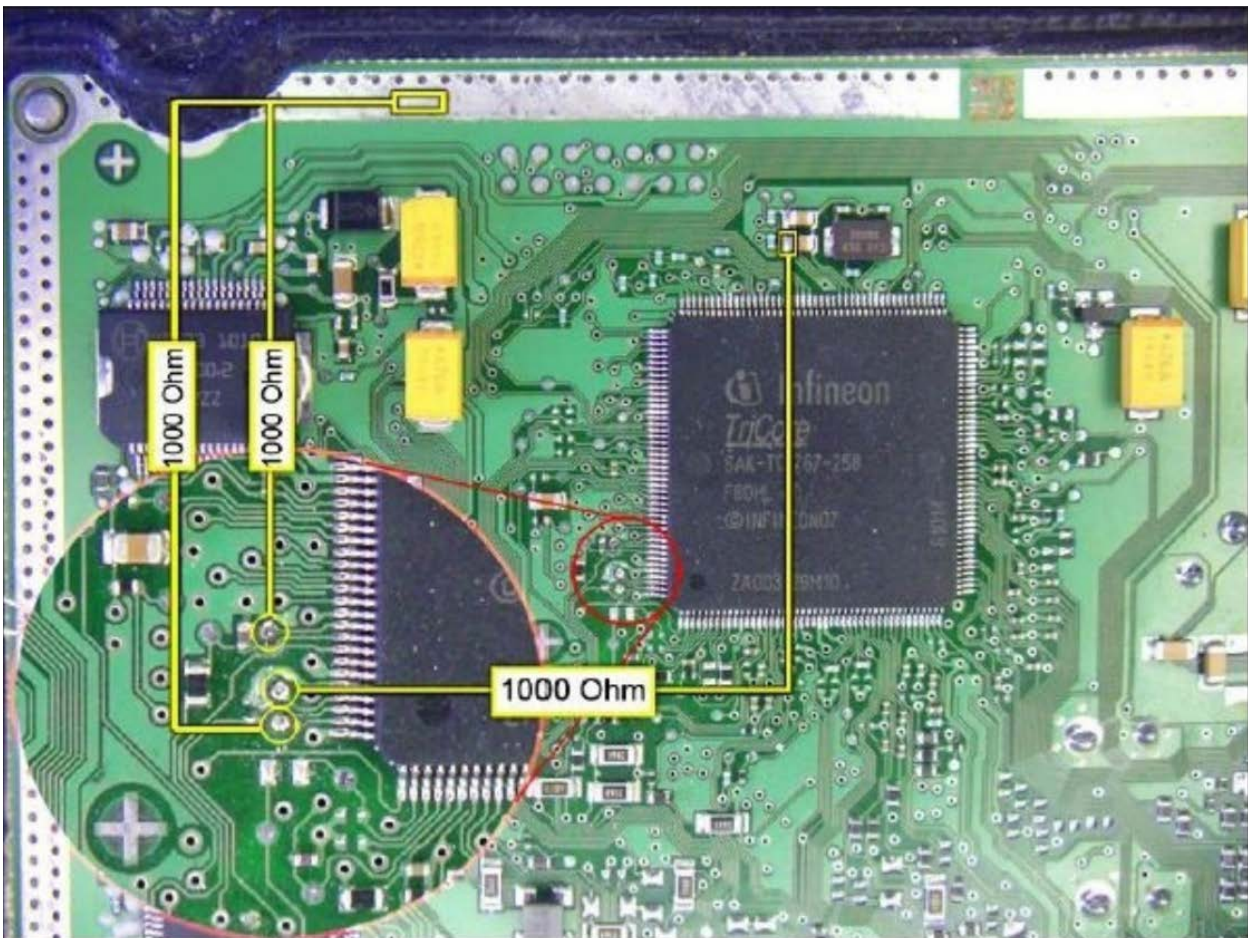
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

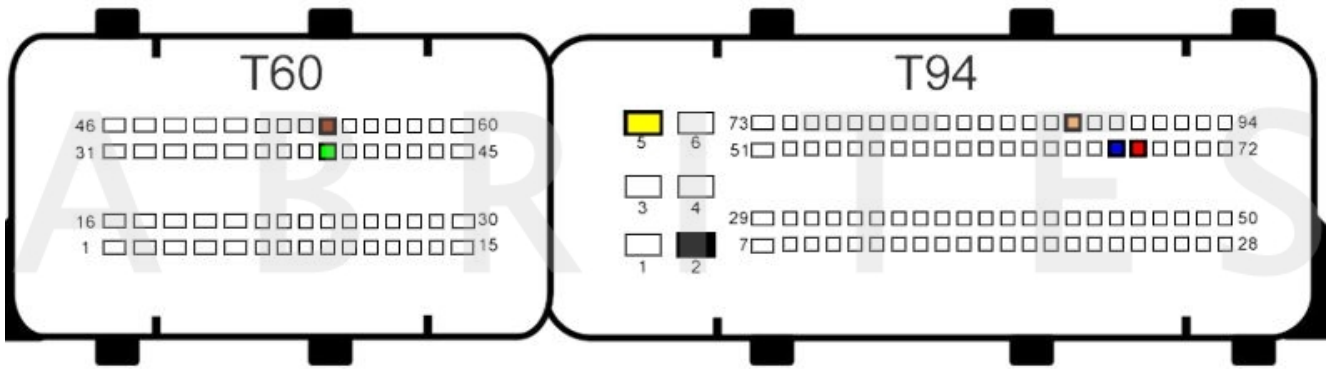
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH MED17.5.2 TC1767 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH MED17.5.20 TC1766 - Bench connection:



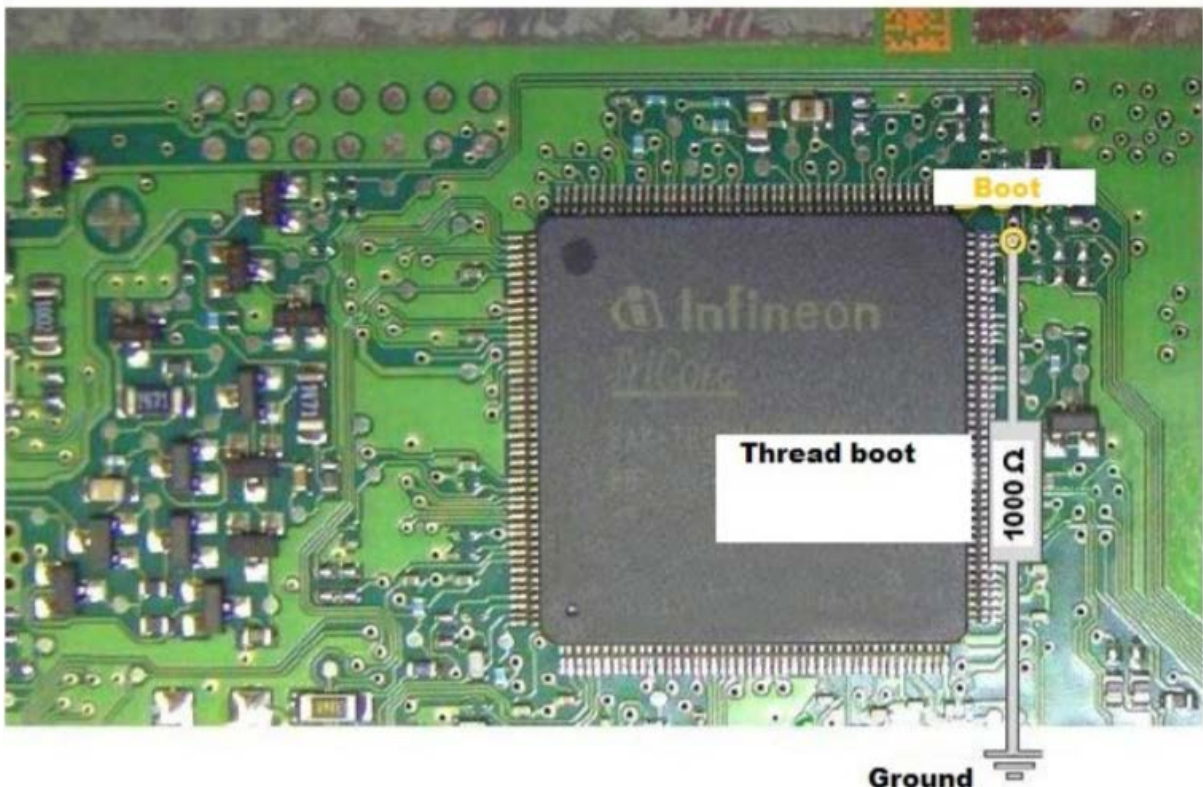
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

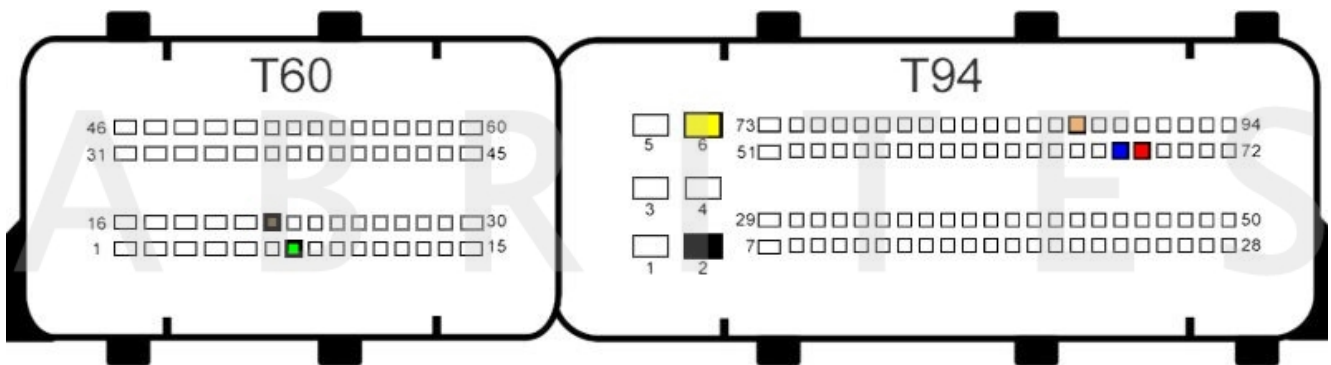
Old DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

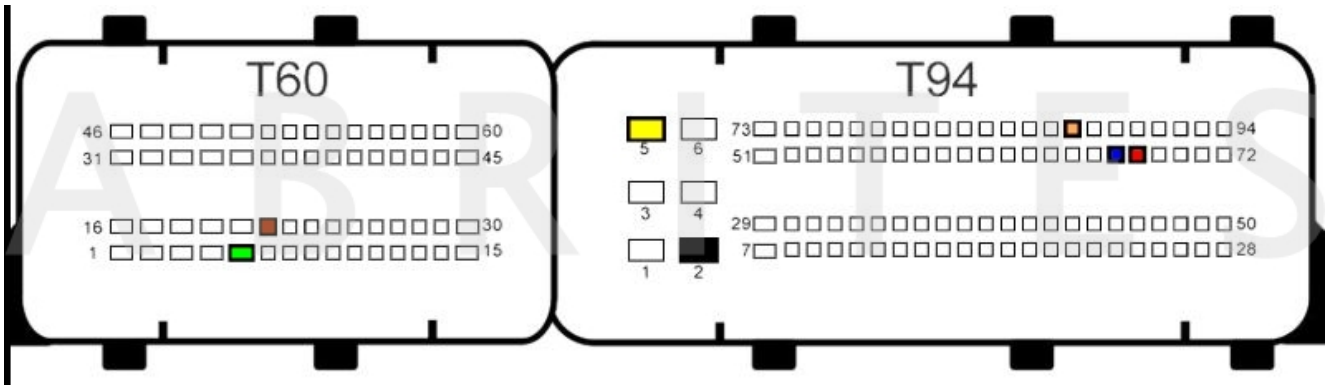
BOSCH MED17.5.20 TC1766- BSL connection:



BOSCH MED17.5.21 TC1782 - Bench connection:



BOSCH MED17.5.25 TC1782 - Bench connection:



New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

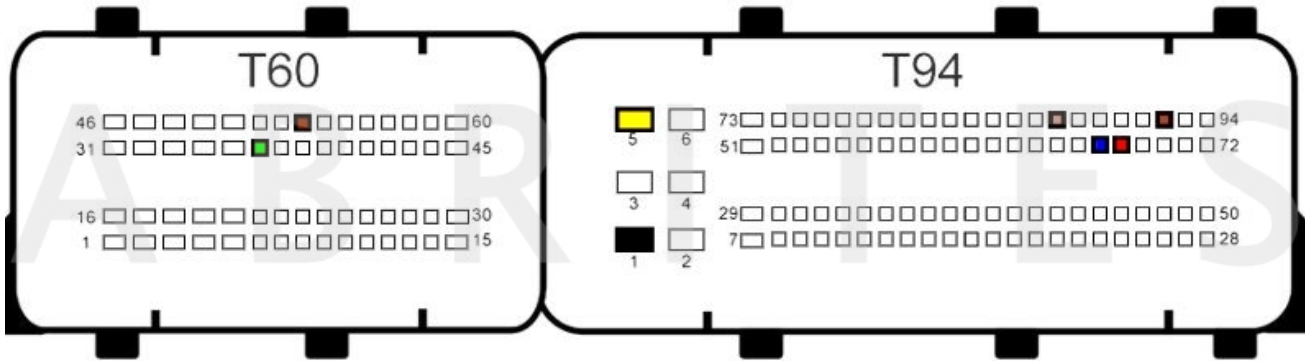
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH MED17.5.25 TC1782- BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH MED17.5.5 TC1766 - Bench connection:



New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

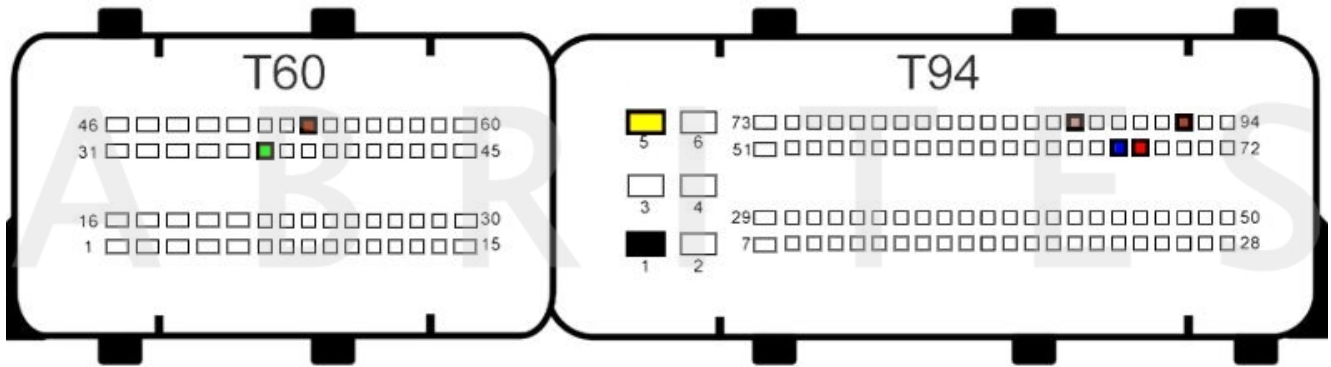
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH MED17.5.5 TC1766 - BSL connection:



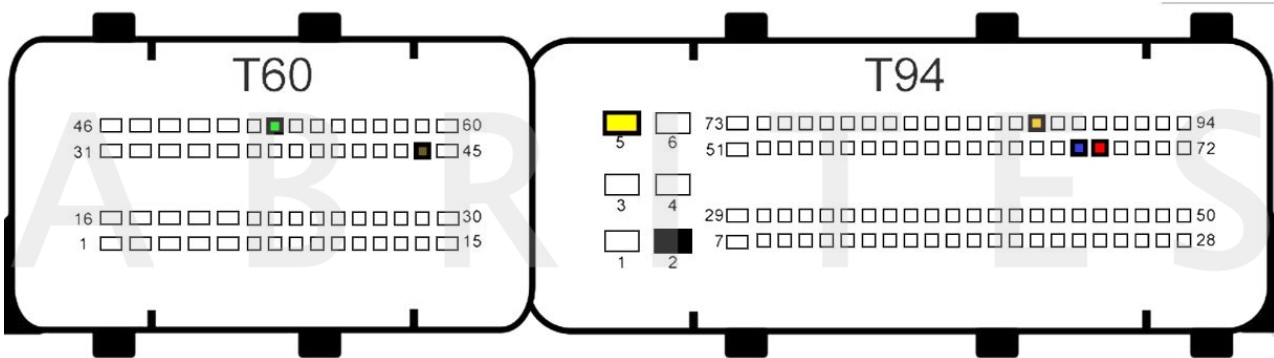
*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH MED17.5.5-HW02 TC1767 - Bench connection:



Skoda

BOSCH EDC17C46 TC1767 - Bench connection:



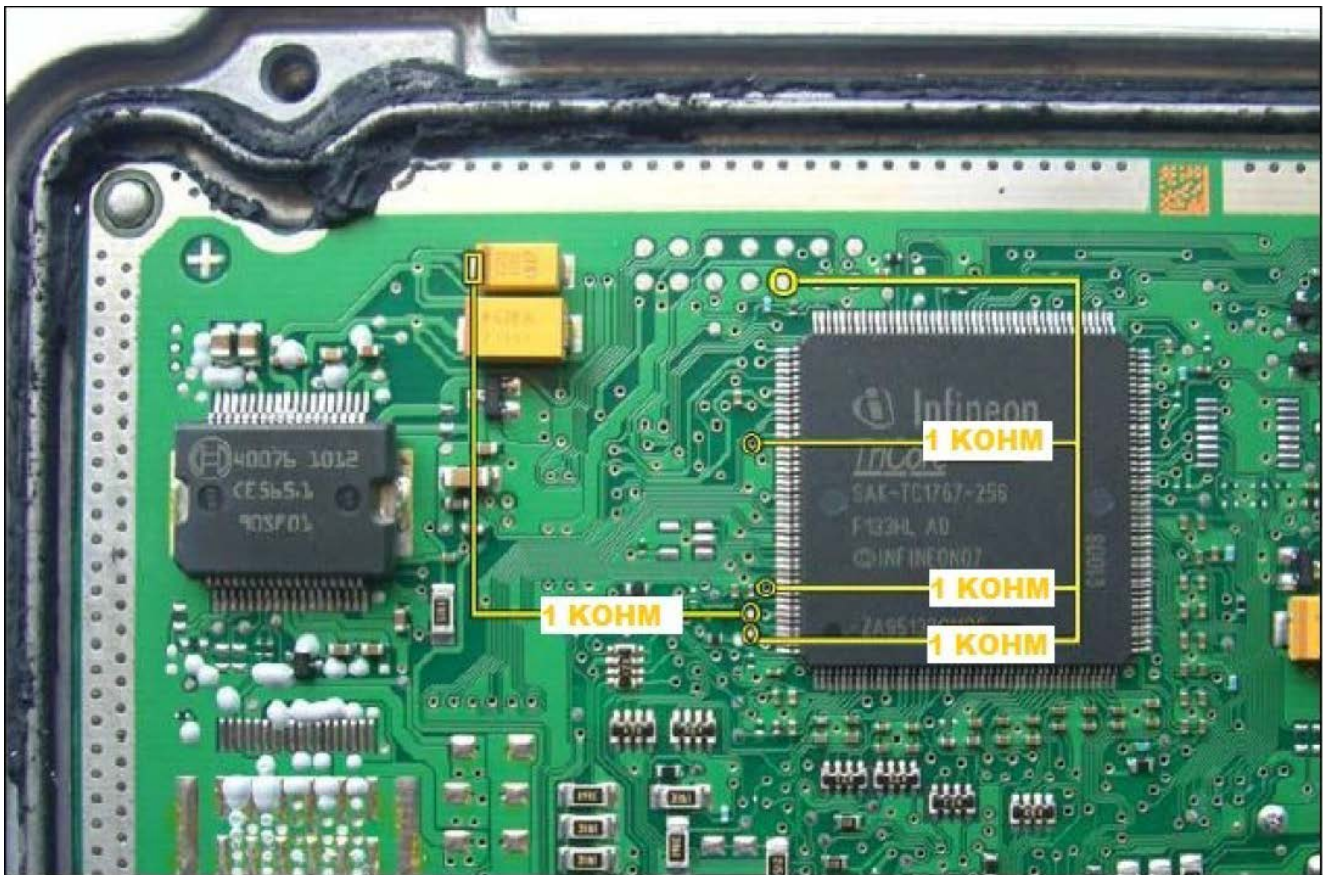
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

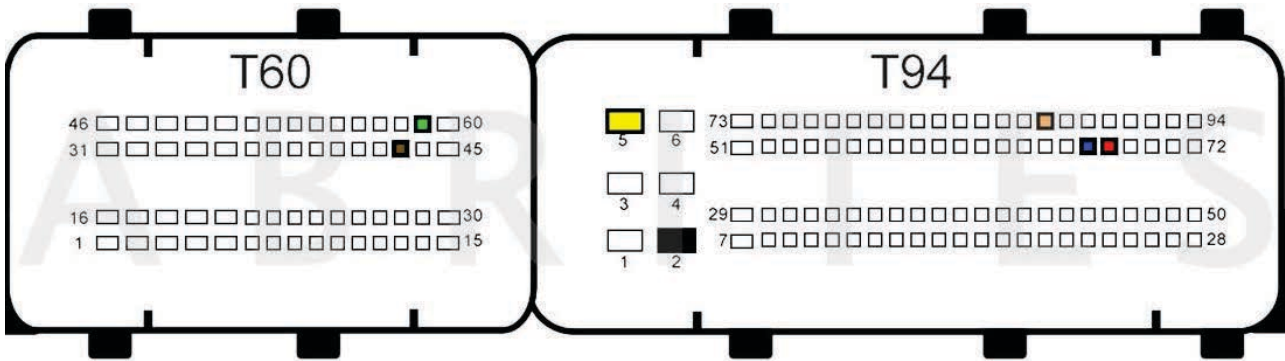
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17C46 TC1767 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17C64 TC1797 - Bench connection:



New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

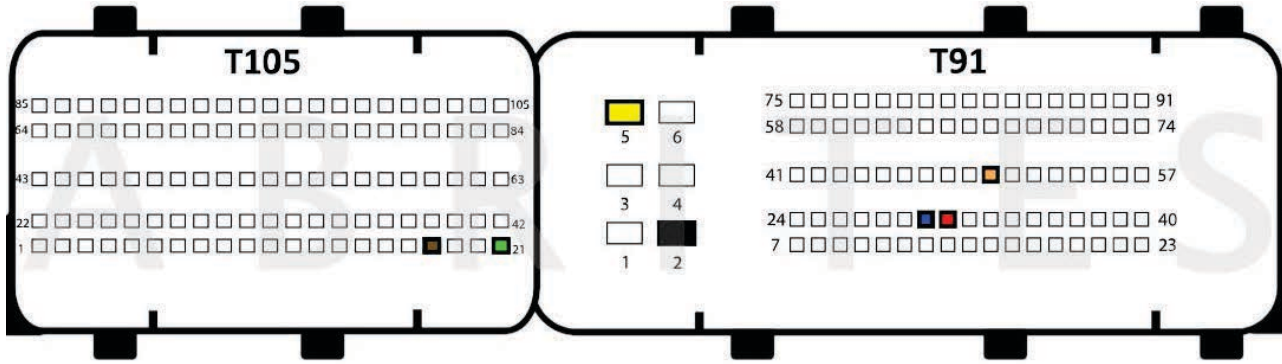
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17C64 TC1797- BSL connection:

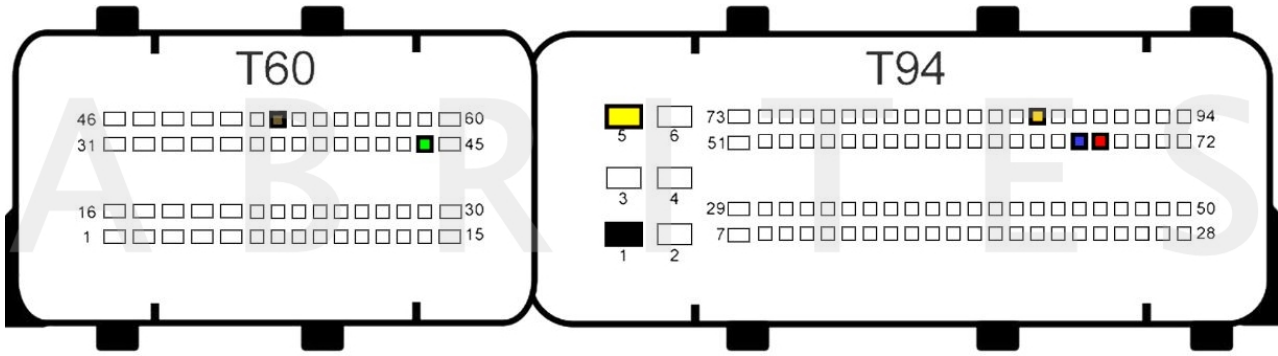


*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

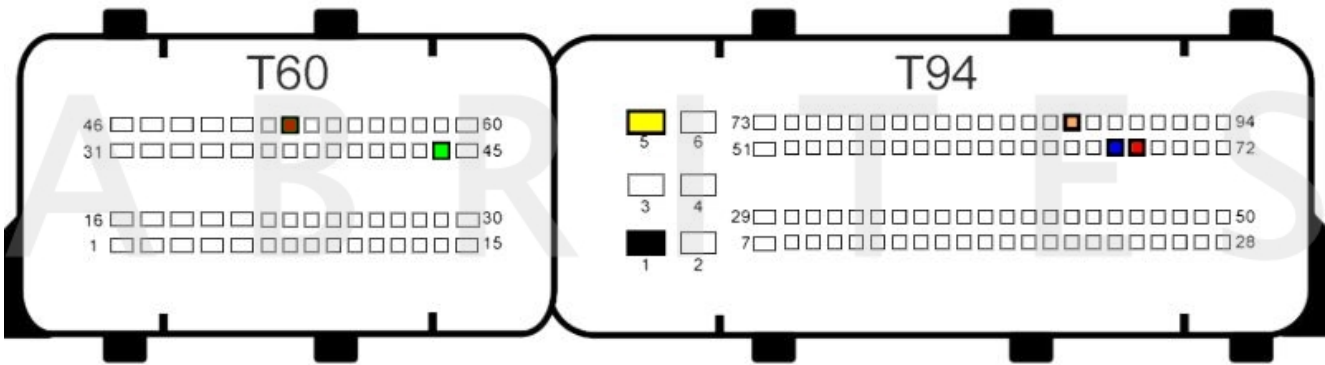
BOSCH EDC17C74 TC1793 - Bench connection:



BOSCH EDC17CP04 TC1796 - Bench connection:



BOSCH EDC17CP14 TC1796 - Bench connection:



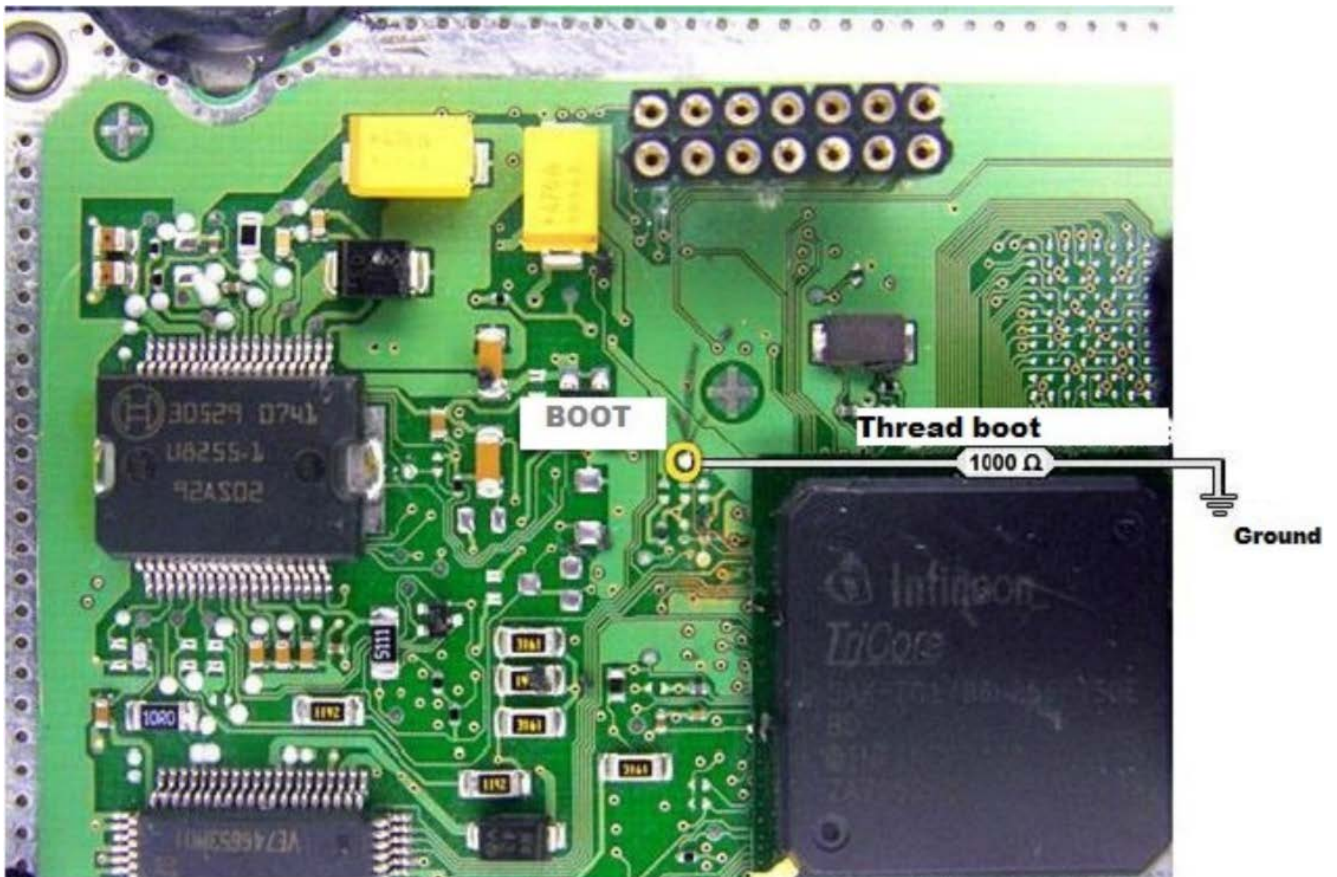
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

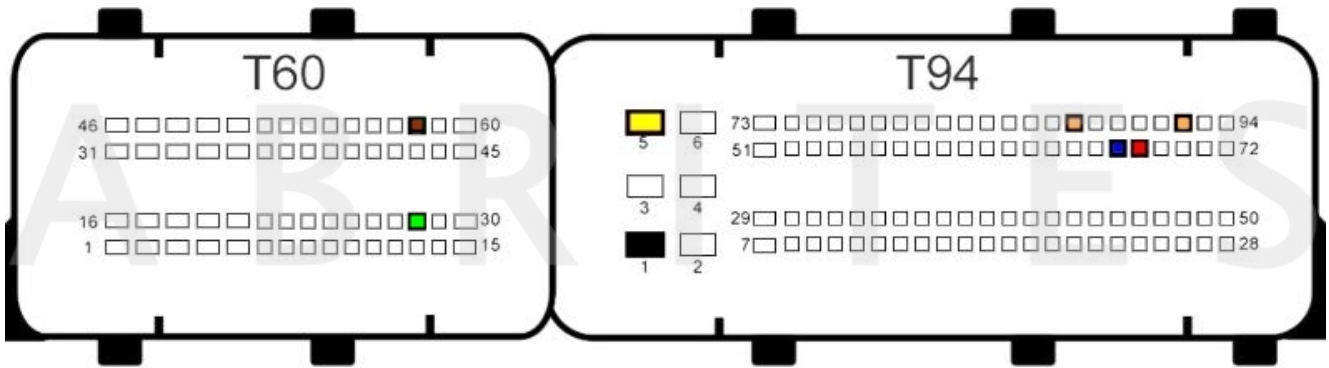
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP14 MASTER TC1796 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17U01 TC1766 - Bench connection:



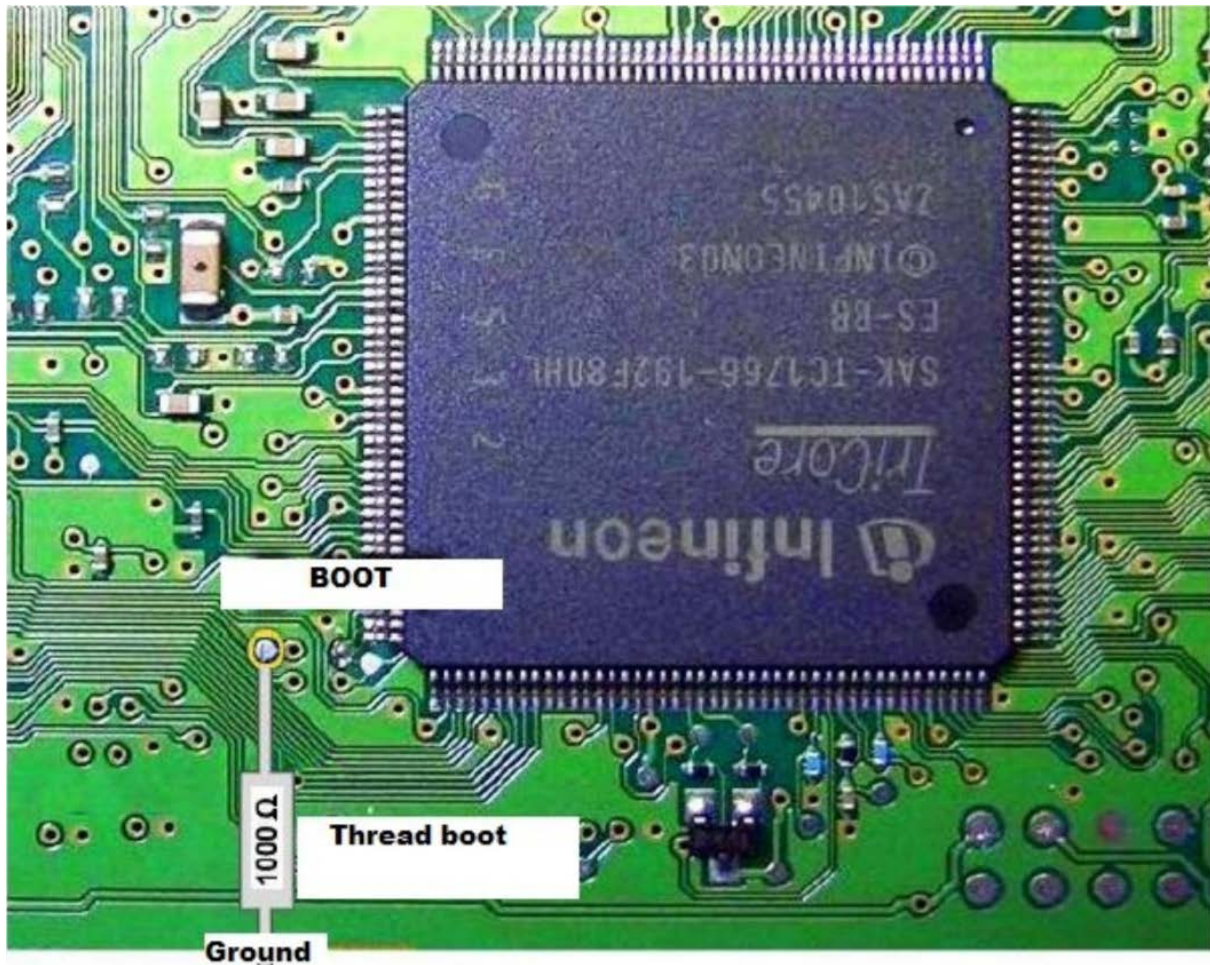
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

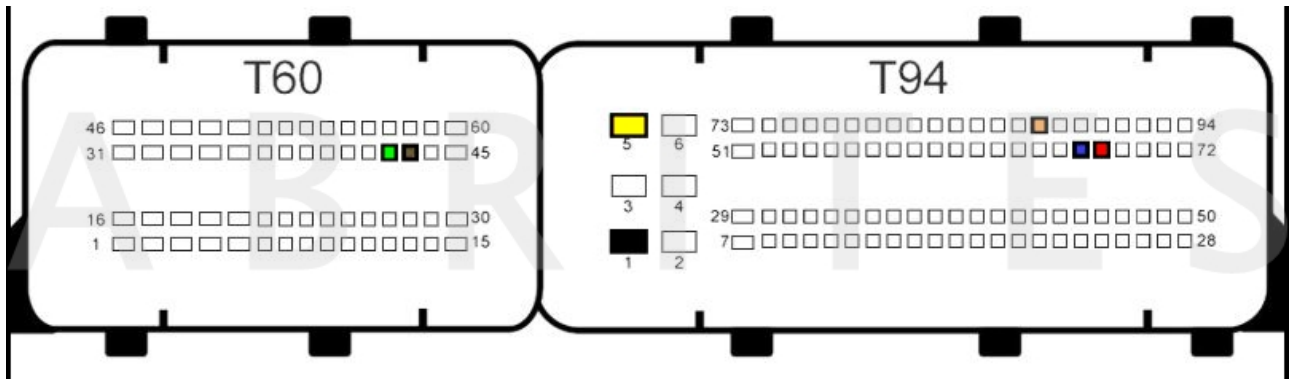
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17U01 TC1766 - BSL connection:

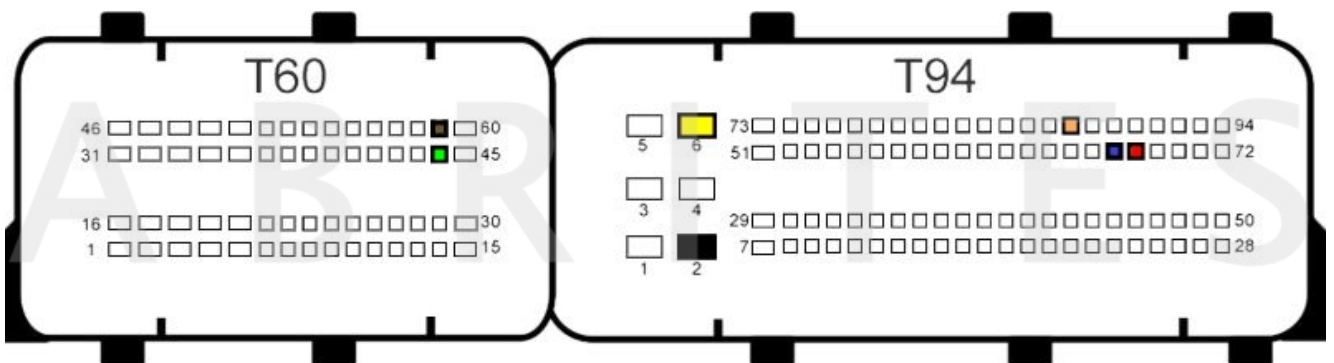


*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

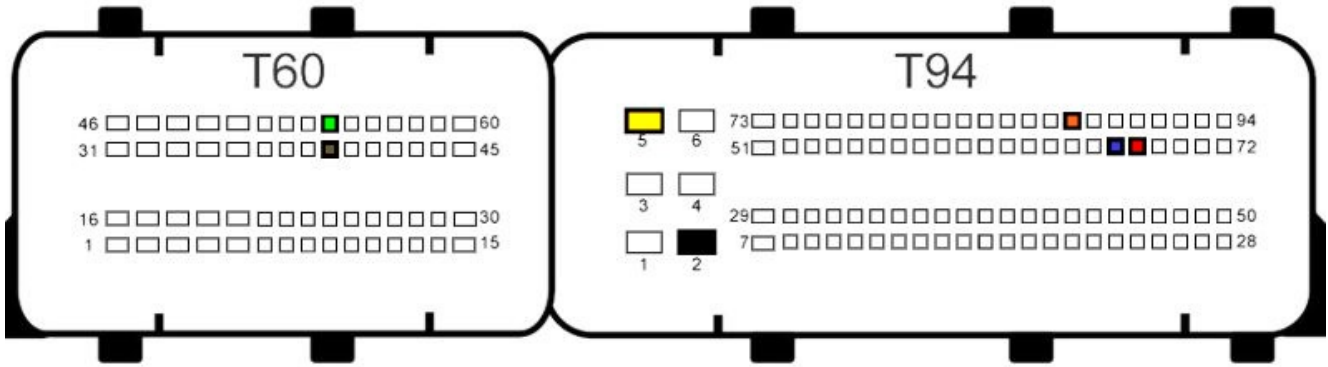
BOSCH MED17.1.27 - Bench connection:



BOSCH MED17.1.6 TC1797 - Bench connection:



BOSCH MED17.5.20 TC1766 - Bench connection:



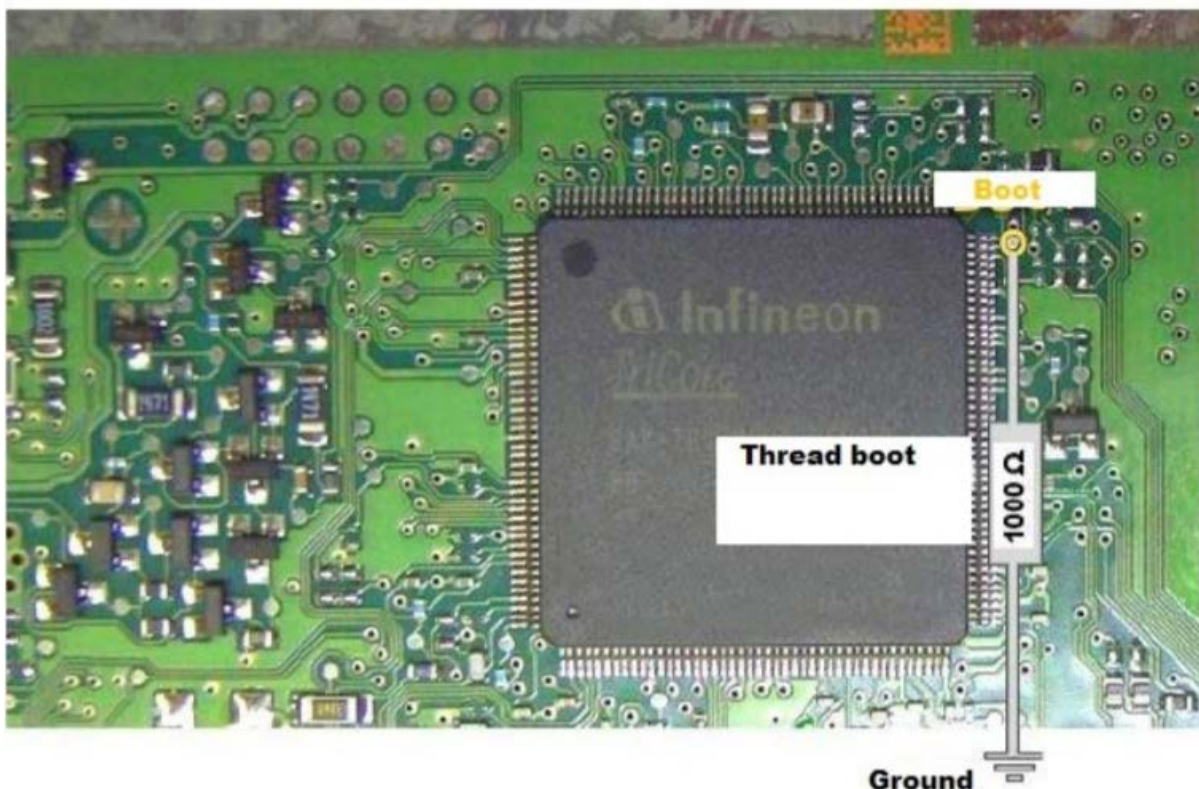
New CB401 DB15 cable Legend:

Power - **Yellow** (B+)
 IGN - **Orange** (IGN)
 GND - **Black** (GND)
 CAN HI - **Red** (CAN6)
 CAN LOW - **Blue** (CAN14)
 Boot - **White**

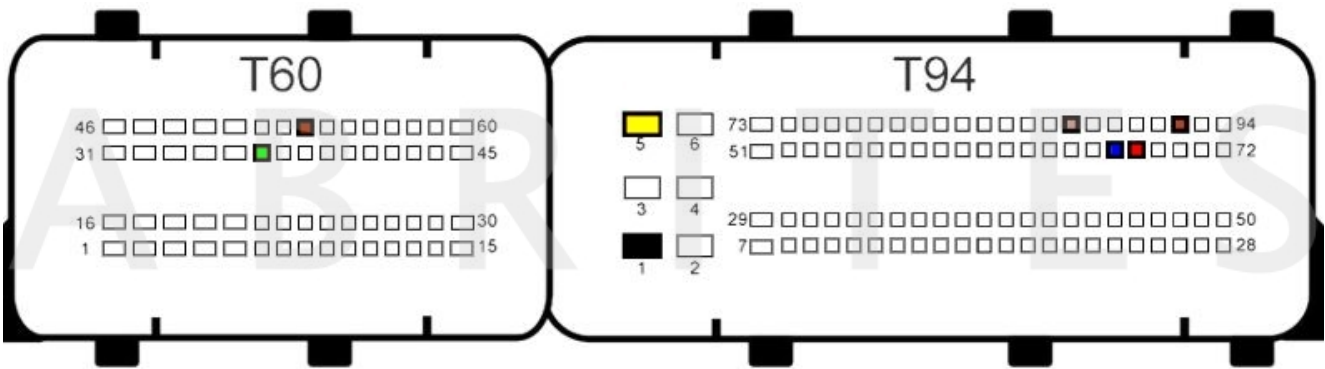
Old DB15 cable Legend:

Power - **Yellow** (B+)
 IGN - **Yellow/PINK** (IGN)
 GND - **Black** (GND)
 CAN HI - **Red** (CAN6)
 CAN LOW - **Blue** (CAN14)
 Boot - **White**

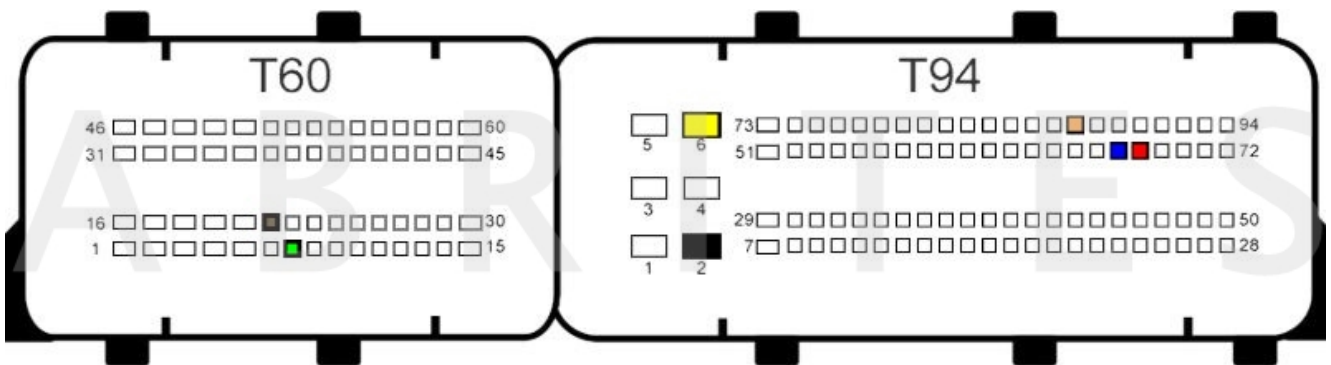
BOSCH MED17.5.20 TC1766- BSL connection:



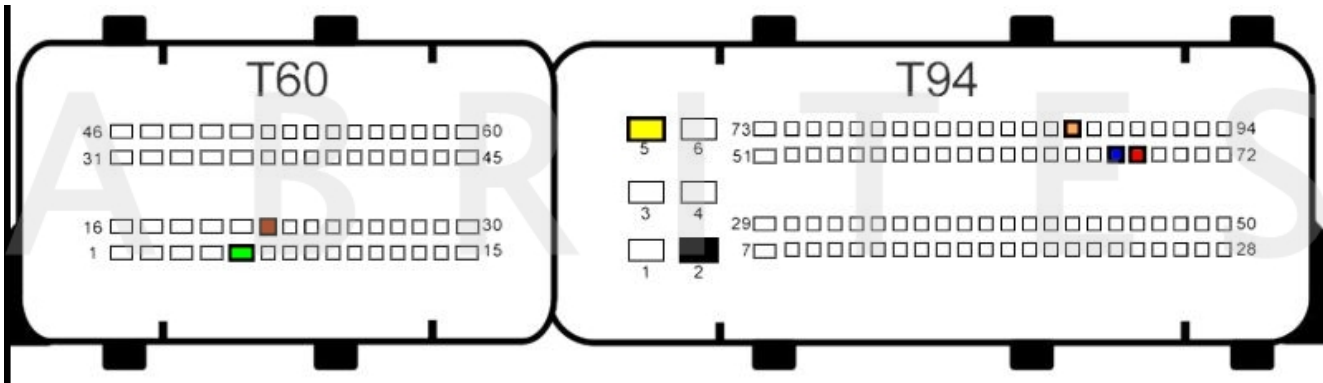
BOSCH MED17.5 TC1766 - Bench connection:



BOSCH MED17.5.21 TC1782 - Bench connection:



BOSCH MED17.5.25 TC1782 - Bench connection:



New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

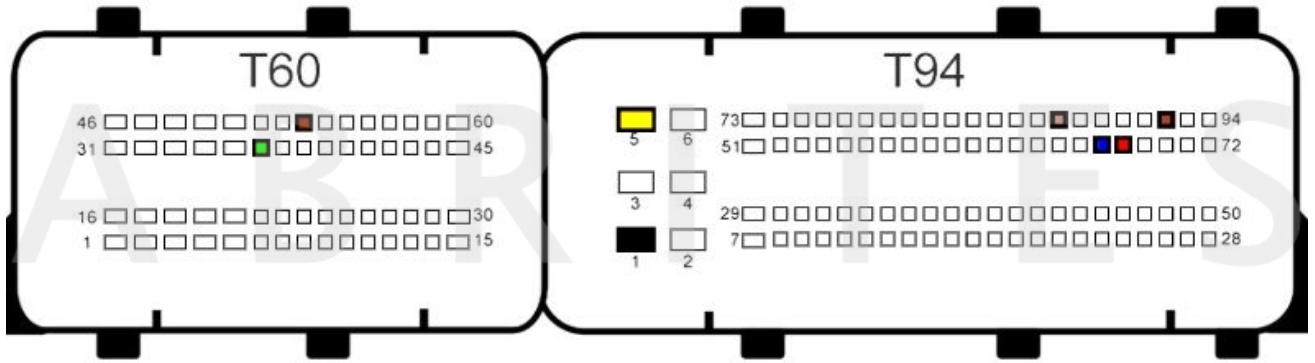
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH MED17.5.25 TC1782- BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH MED17.5.5 TC1766 - Bench connection:



New CB401 DB15 cable Legend:

Power - **Yellow** (B+)
IGN - **Orange** (IGN)
GND - **Black** (GND)
CAN HI - **Red** (CAN6)
CAN LOW - **Blue** (CAN14)
Boot - **White**

Old DB15 cable Legend:

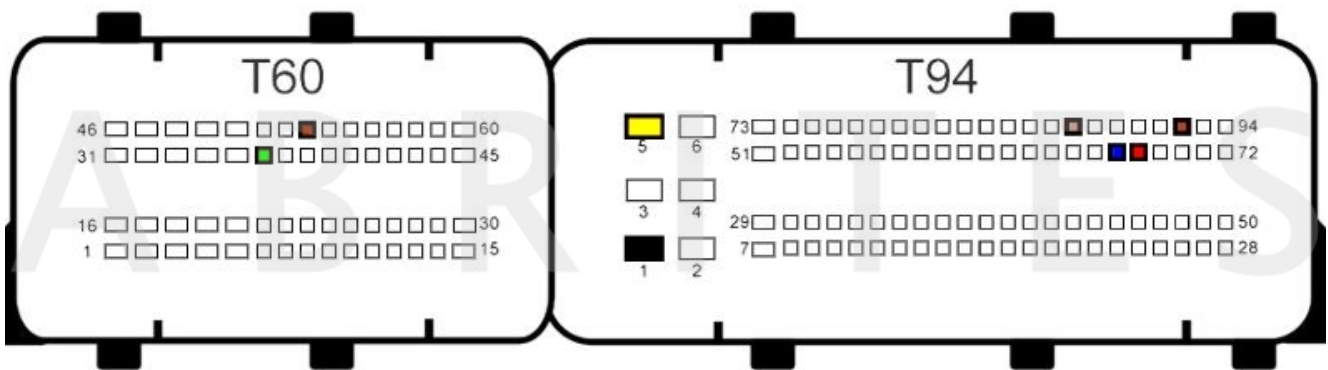
Power - **Yellow** (B+)
IGN - **Yellow/PINK** (IGN)
GND - **Black** (GND)
CAN HI - **Red** (CAN6)
CAN LOW - **Blue** (CAN14)
Boot - **White**

BOSCH MED17.5.5 TC1766 - BSL connection:



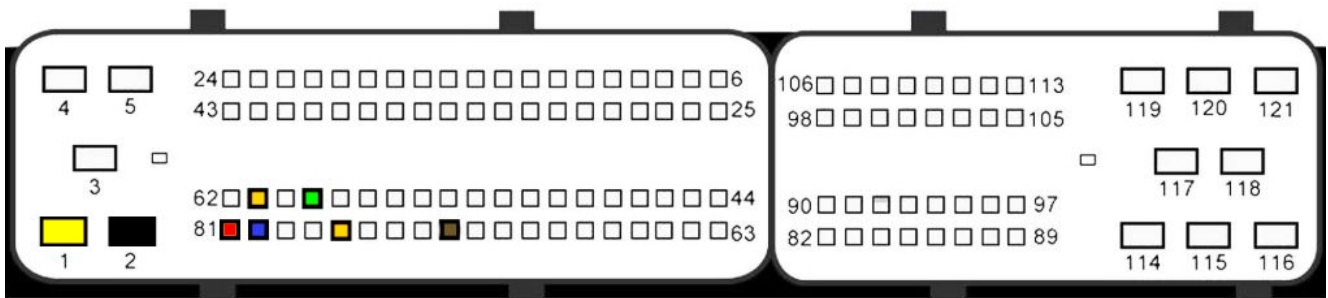
*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH MED17.5.5-HW02 TC1767 - Bench connection:

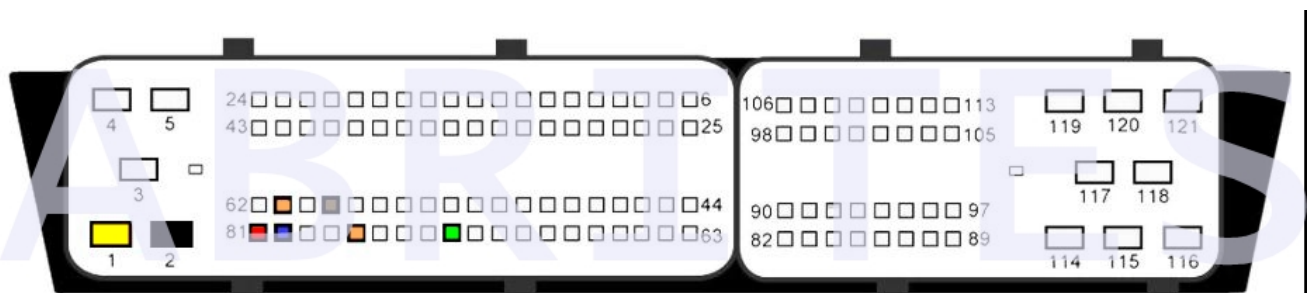


Subaru

BOSCH EDC17CP07 TC1766 - Bench connection:

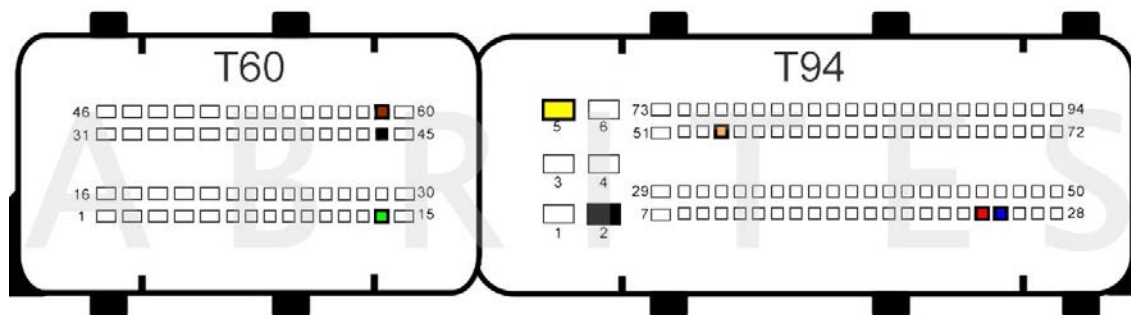


BOSCH EDC17CP37 TC1766 - Bench connection:

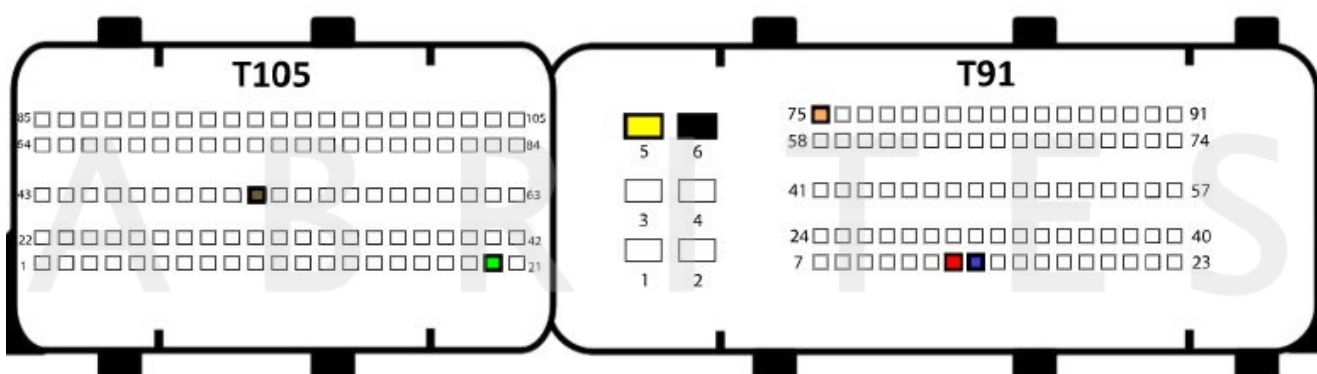


Suzuki

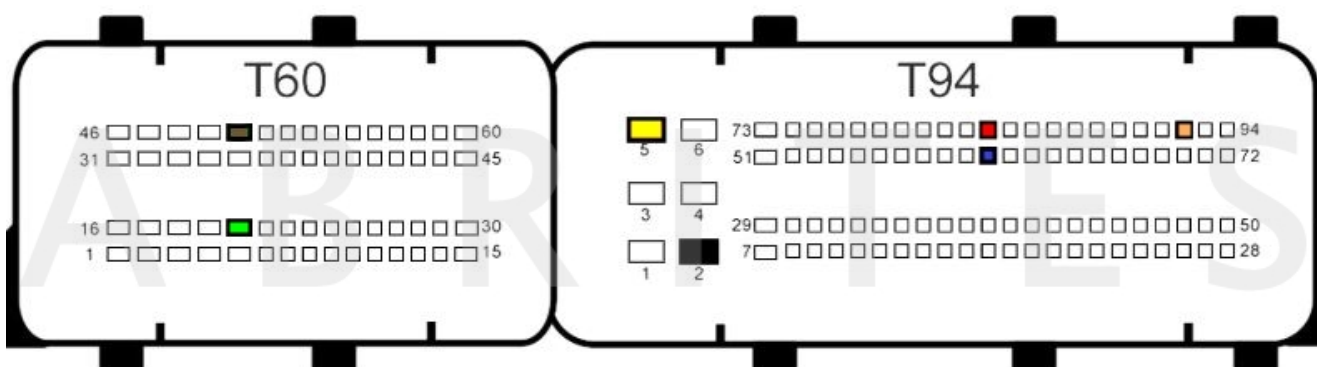
BOSCH EDC17C49 TC1797 - Bench connection:



BOSCH EDC17C69 TC1793 - Bench connection:

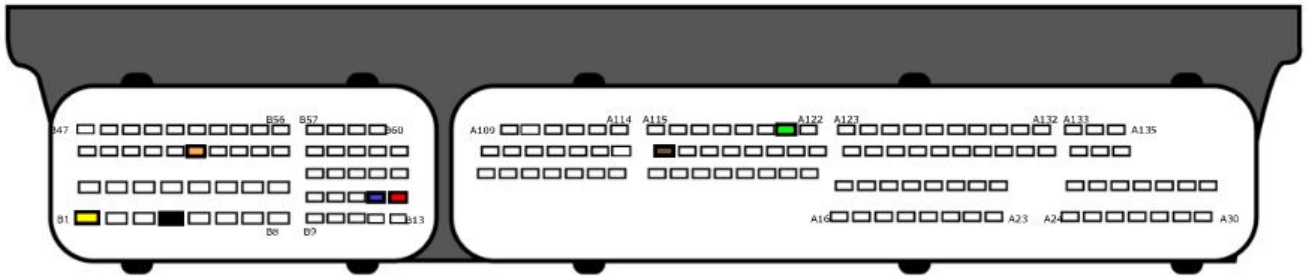


BOSCH MED17.9.63 TC1793 - Bench connection:



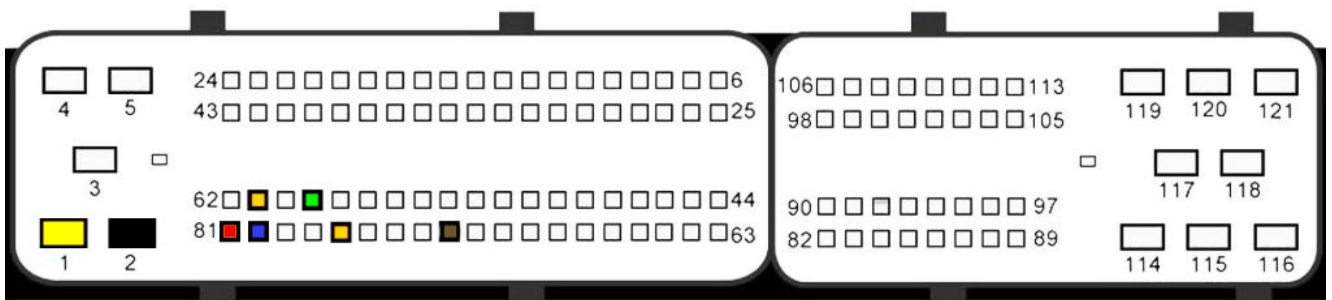
Toyota

BOSCH EDC17C47 TC1782 - Bench connection:

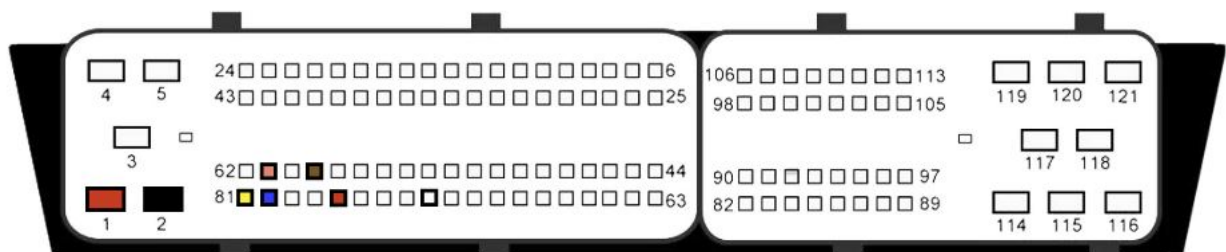


BOSCH EDC17C73 TC1793 - Diagram coming soon

BOSCH EDC17CP07 TC1766 - Bench connection:

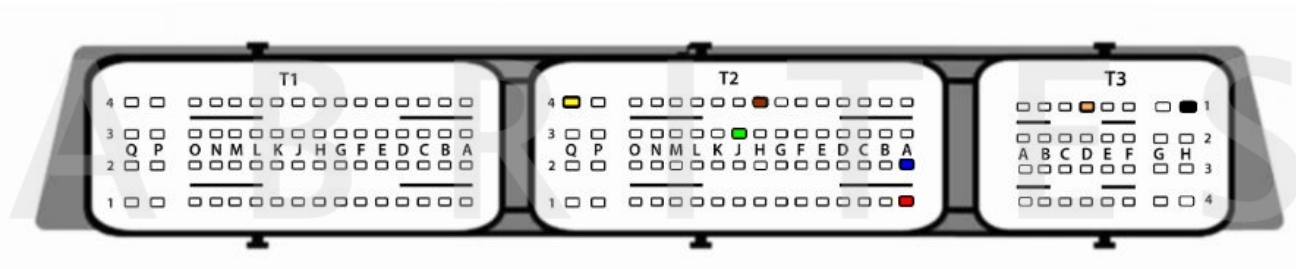


BOSCH EDC17CP37 TC1766 - Bench connection:

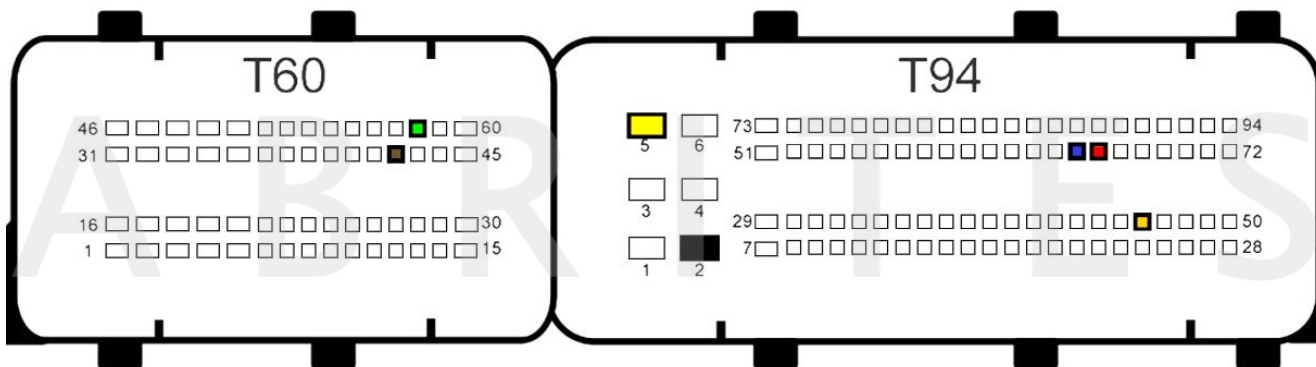


Vauxhall

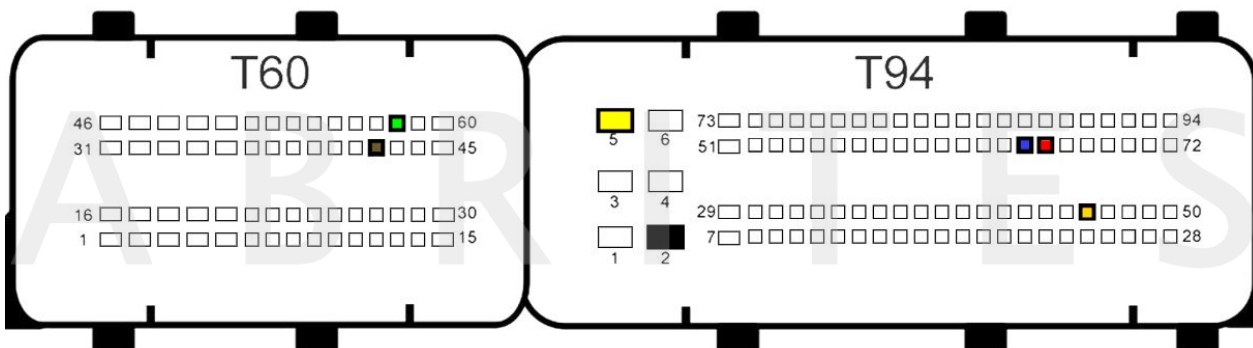
BOSCH EDC17C11 TC1766 - Bench connection:



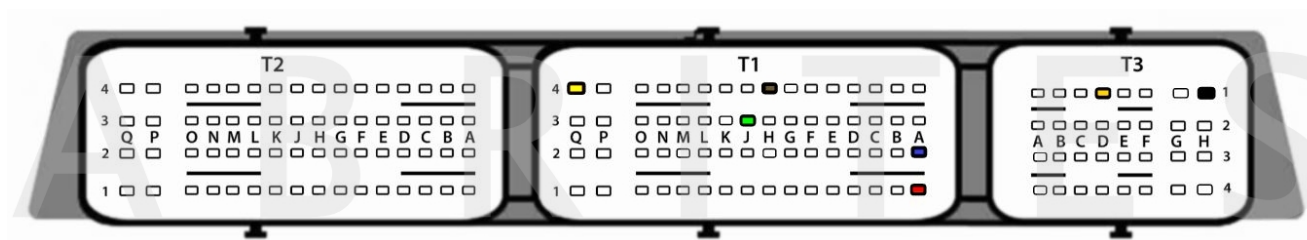
BOSCH EDC17C18 TC1766 - Bench connection:



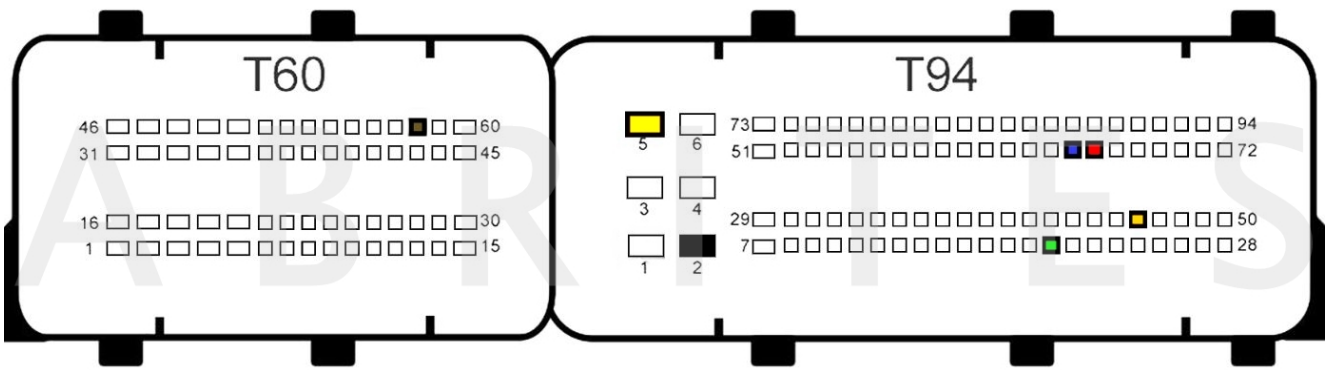
BOSCH EDC17C19 TC1792 - Bench connection:



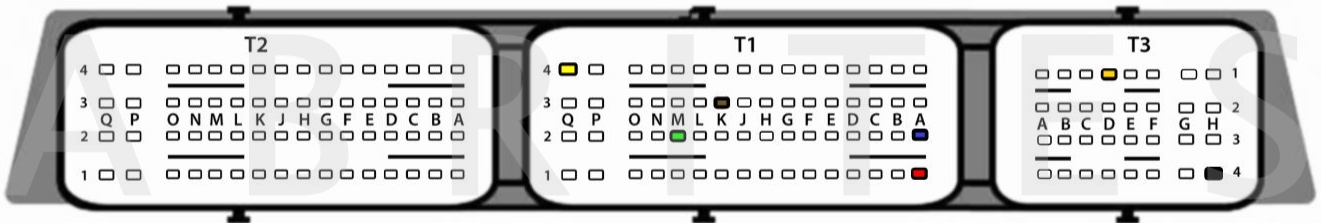
BOSCH EDC17C42 TC1767 - Bench connection:



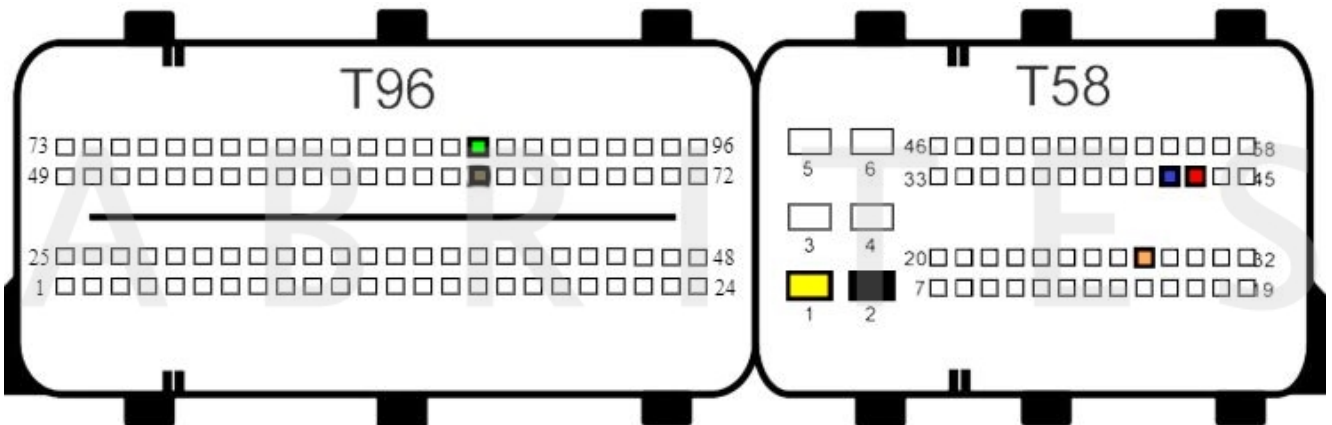
BOSCH EDC17C59 TC1767 - Bench connection:



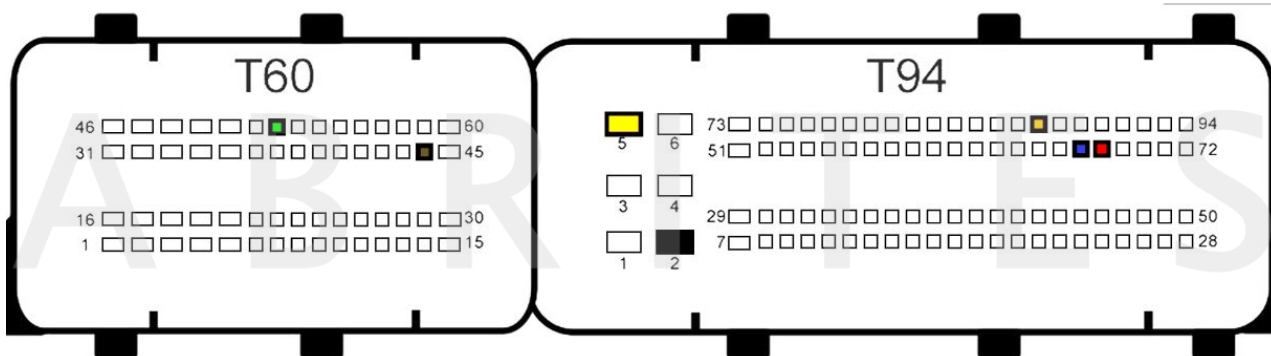
BOSCH EDC17C84 TC1782 - Bench connection:



BOSCH EDC17CP47 TC1797 - Bench connection:



Volkswagen (VW) BOSCH EDC17C46 TC1767 - Bench connection:



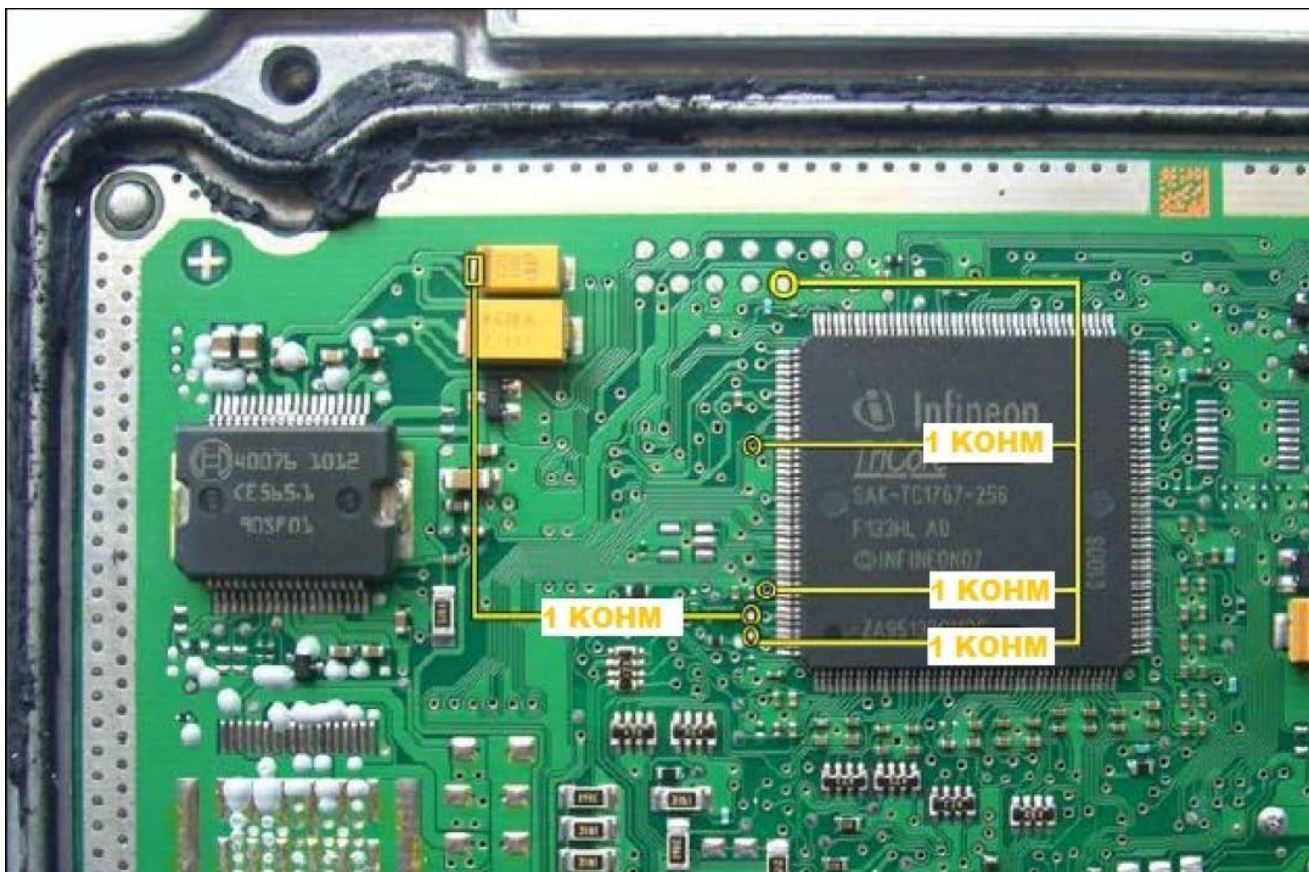
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

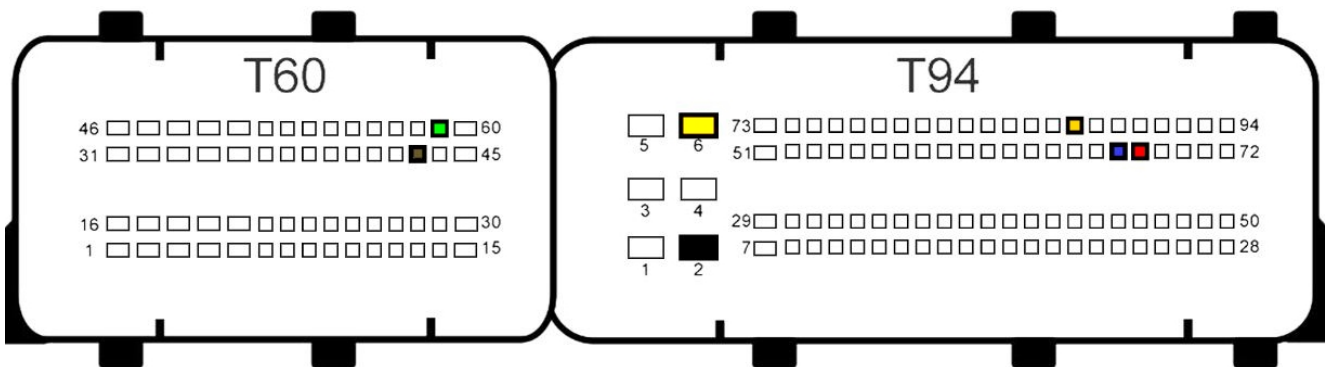
Old DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

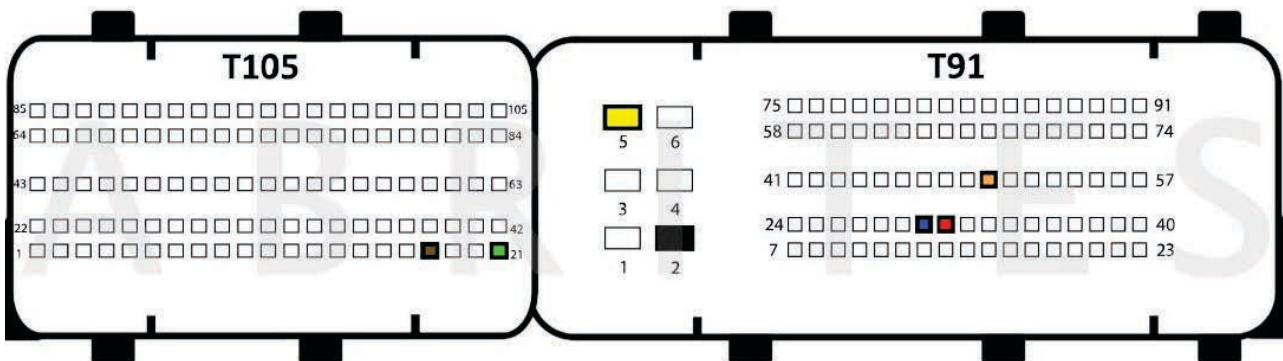
BOSCH EDC17C46 TC1767 - BSL connection:



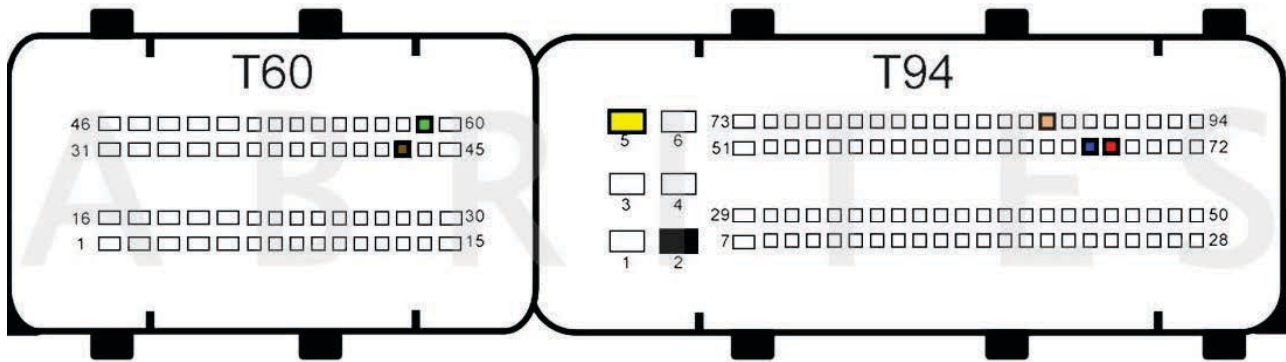
BOSCH EDC17C54 TC1797 - Bench connection:



BOSCH EDC17C74 TC1793 - Bench connection:



BOSCH EDC17C64 TC1797 - Bench connection:



New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

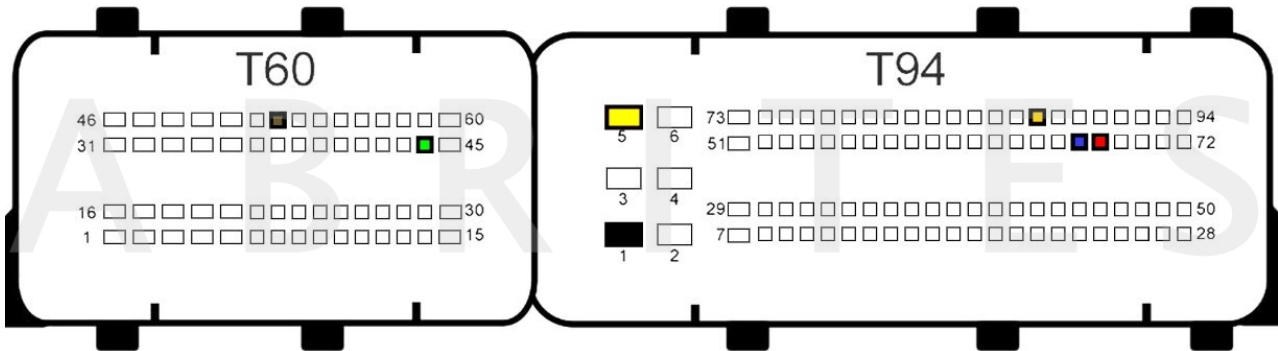
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17C64 TC1797- BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17CP04 TC1796 - Bench connection:



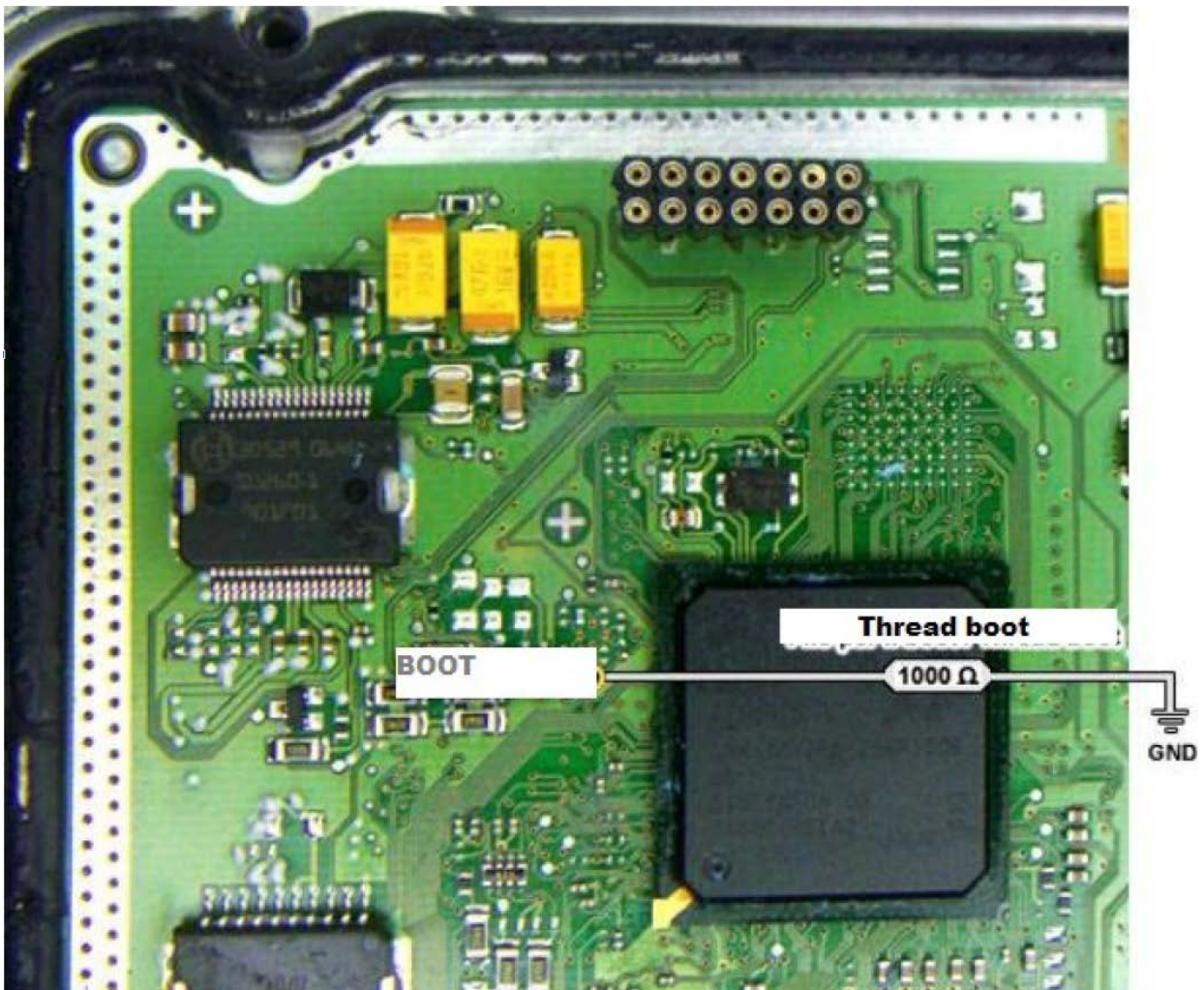
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

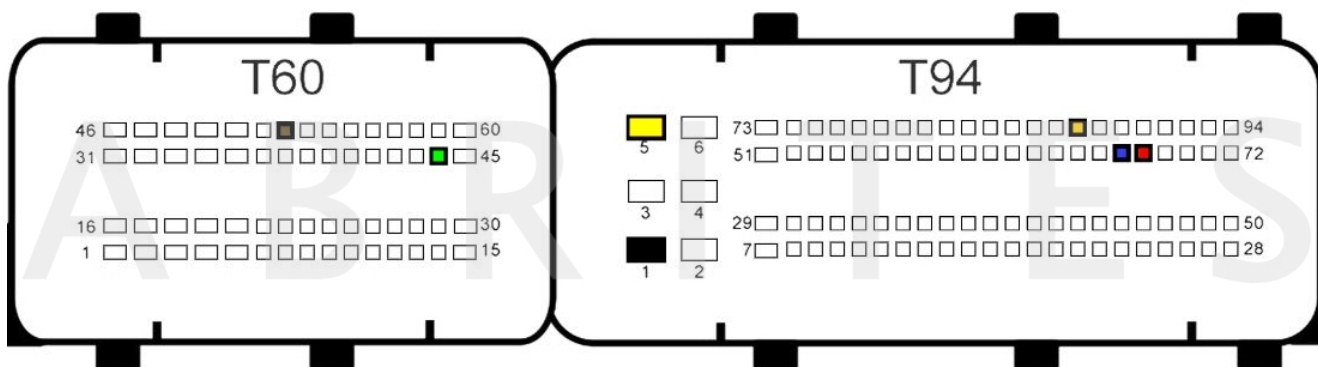
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP04 TC1796 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17CP20 TC1796 - Bench connection:



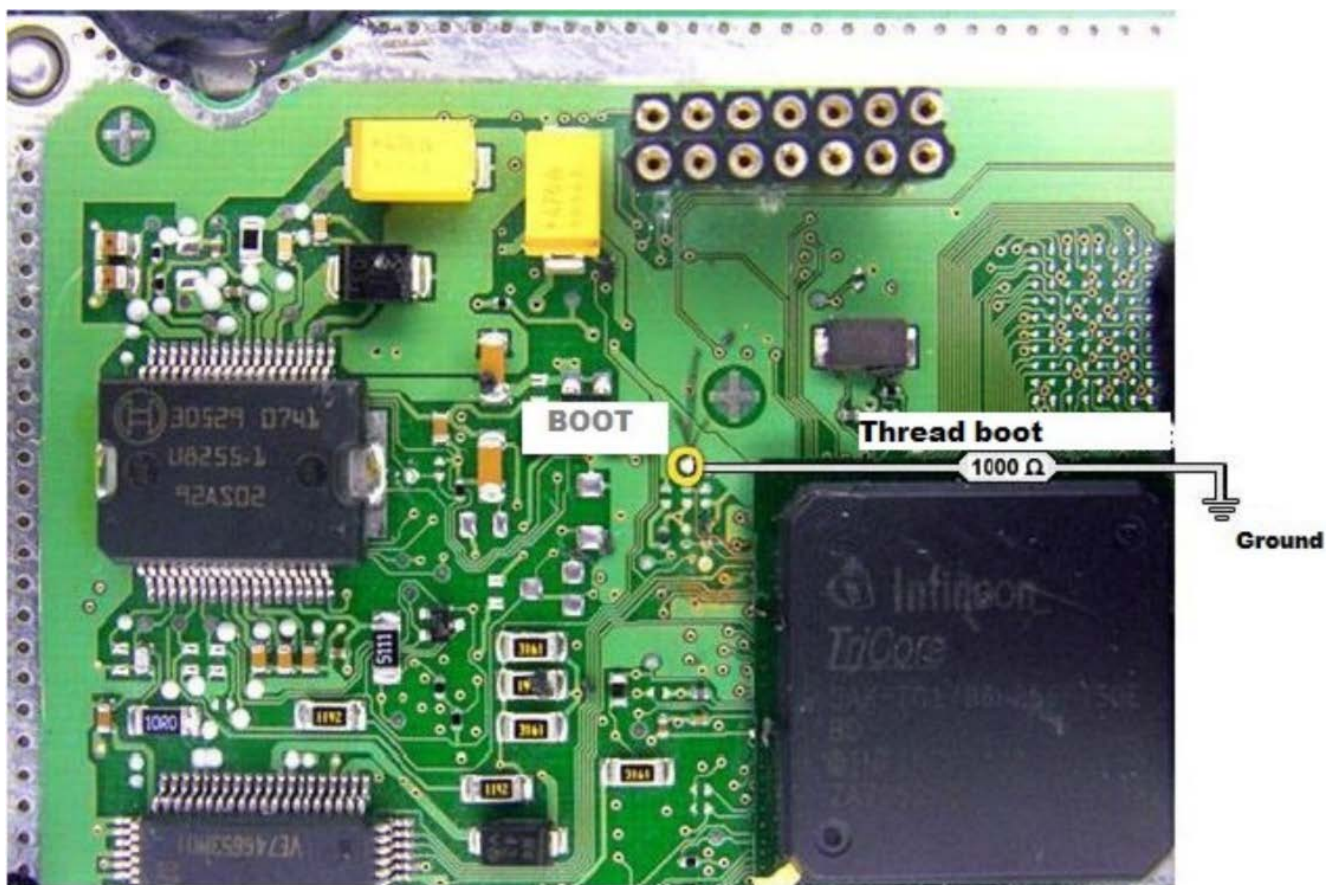
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

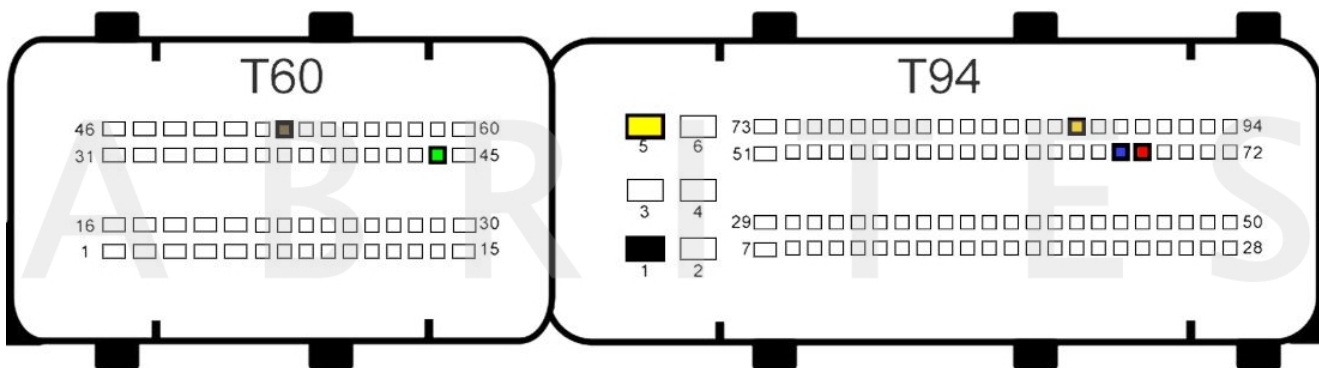
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP20 TC1796 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17CP20-CRAFTE TC1796 - Bench connection:



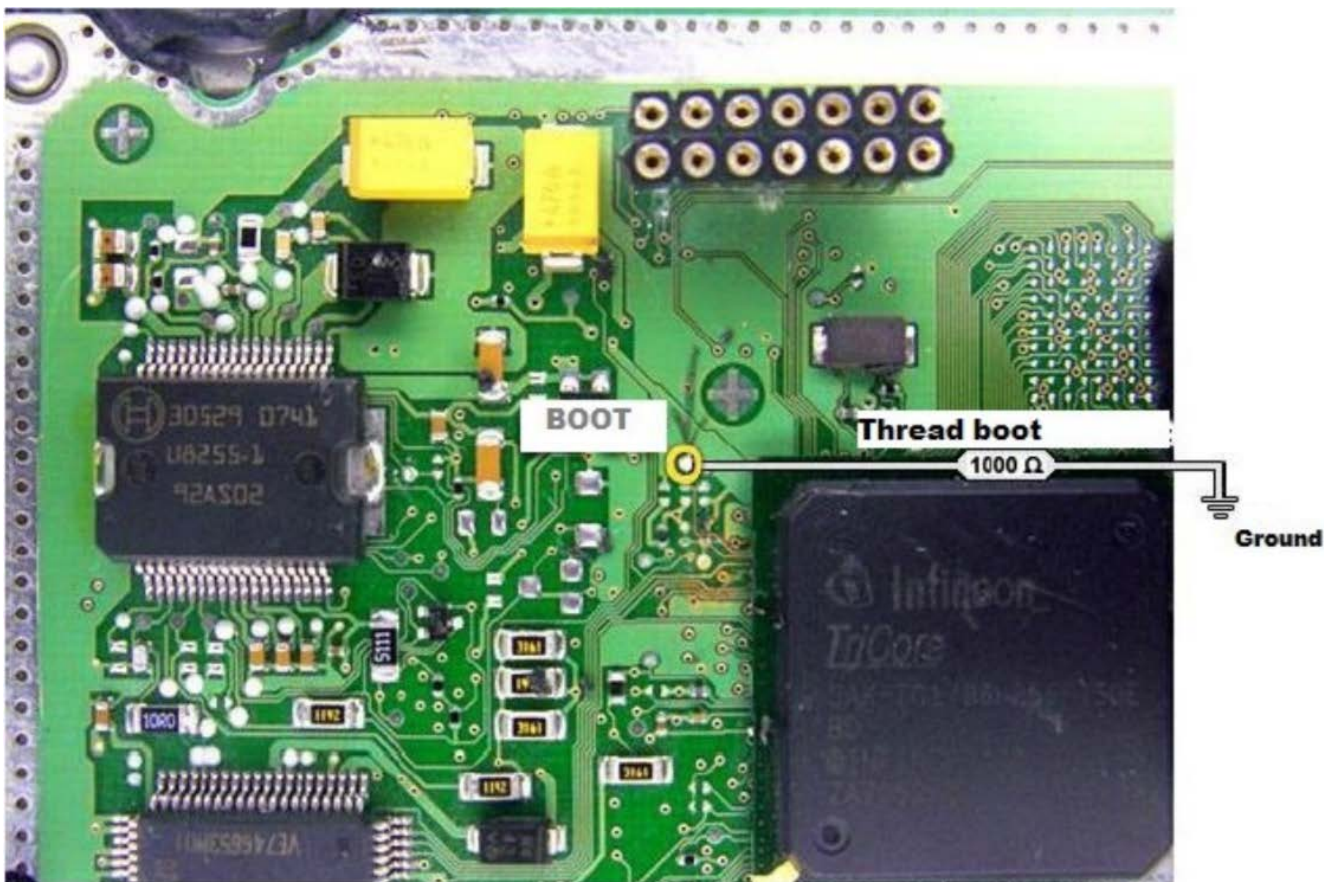
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

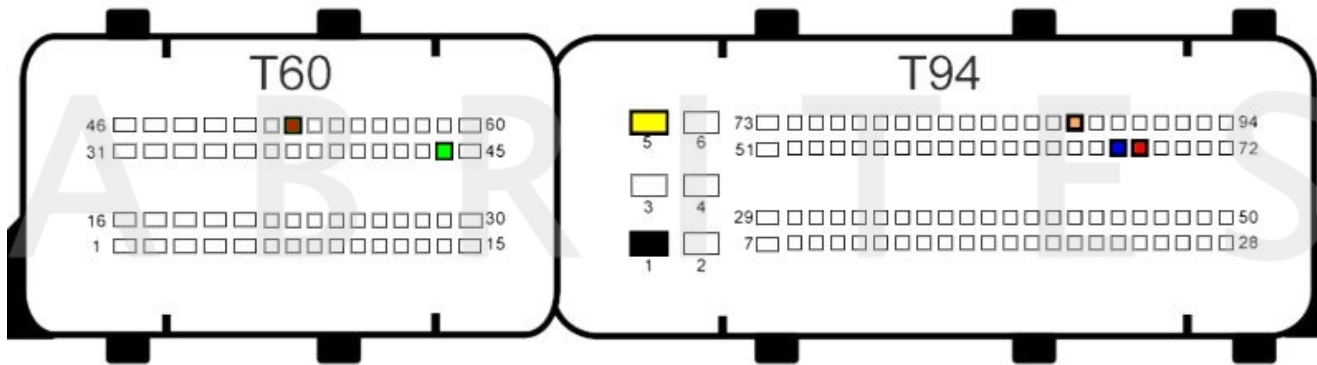
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP20 Crafter TC1796 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17CP14 TC1796 - Bench connection:



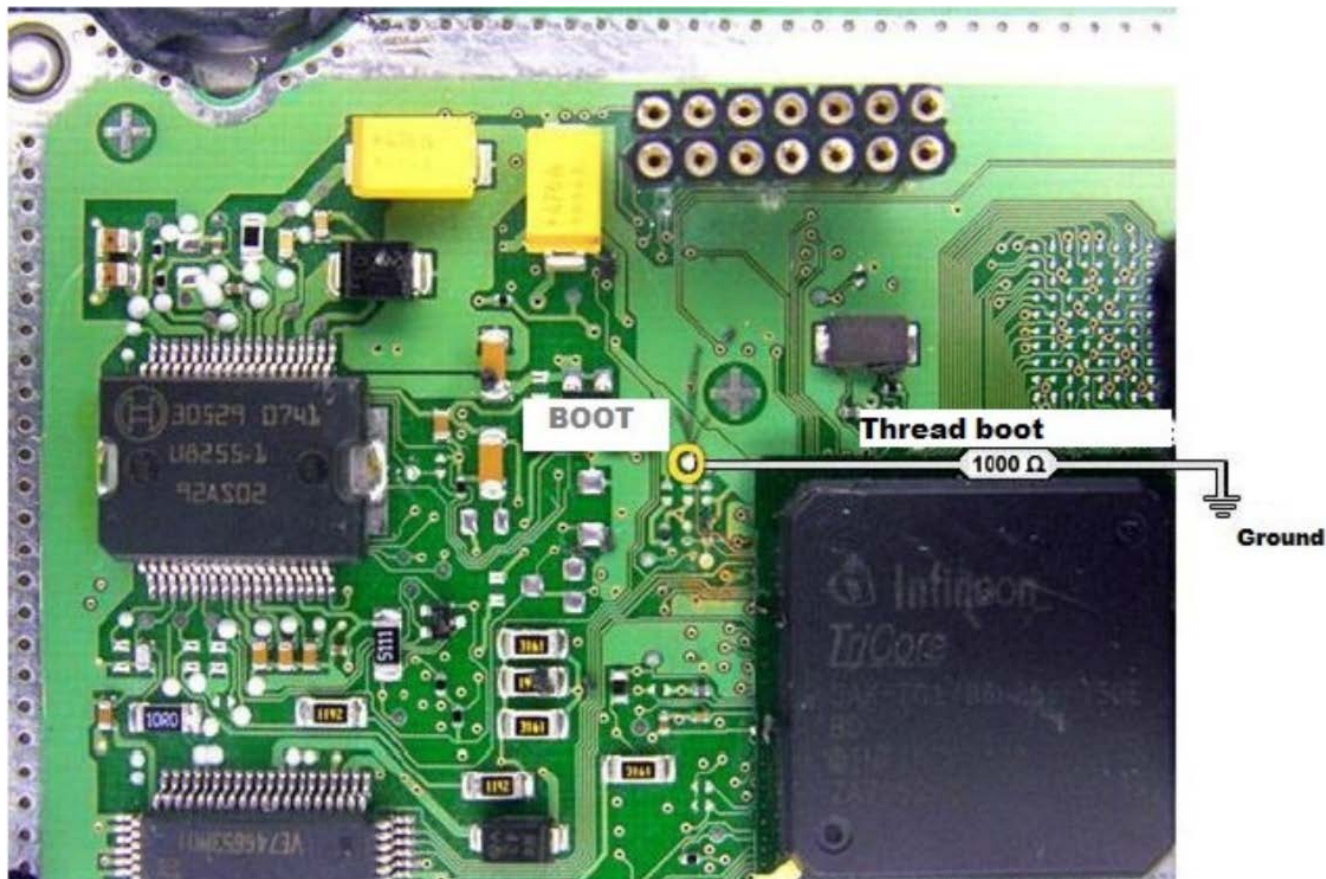
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

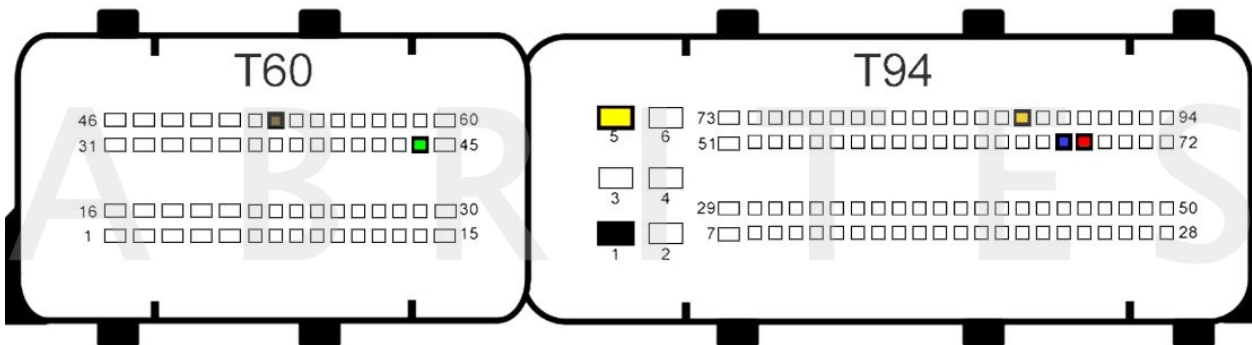
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP14 MASTER TC1796 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17CP24 TC1796 - Bench connection:



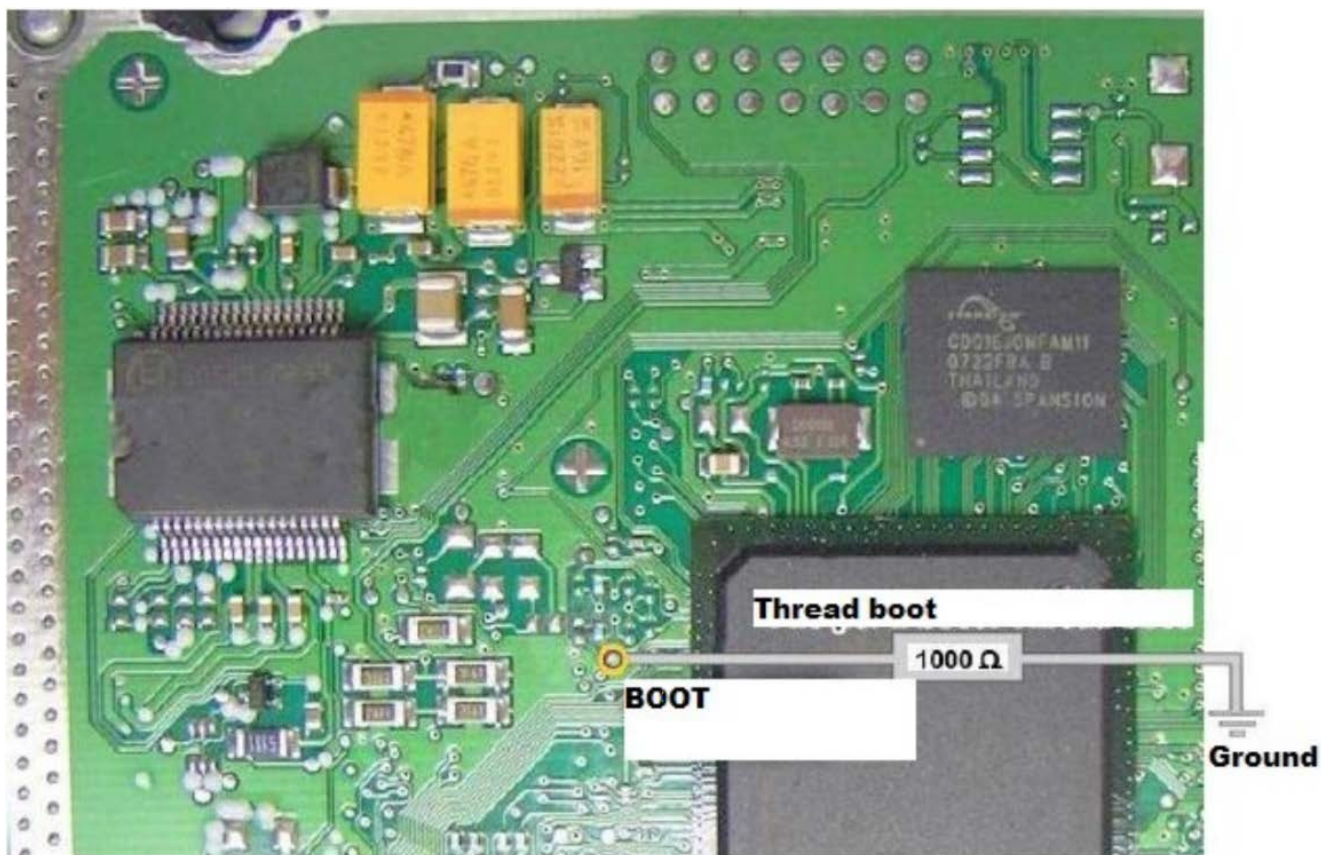
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

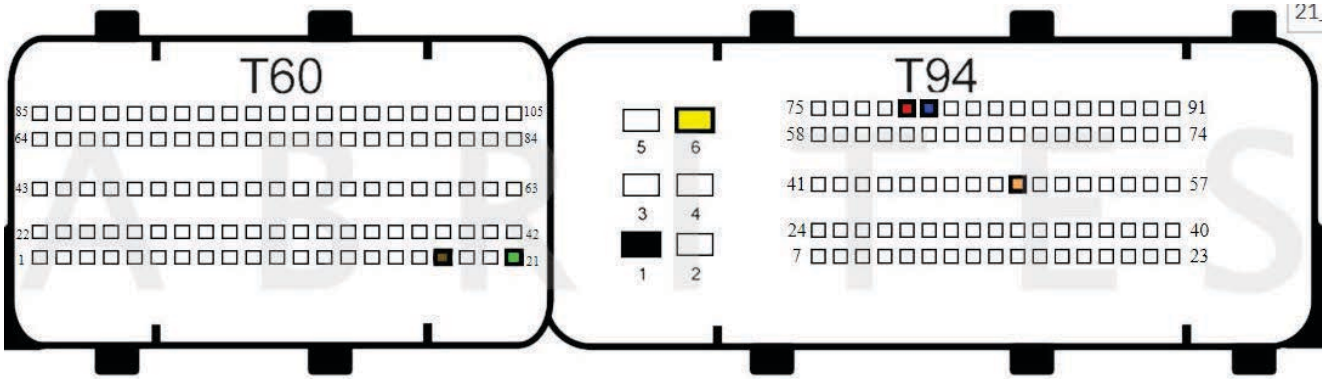
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP24 TC1796 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17CP44 TC1797 - Bench connection:



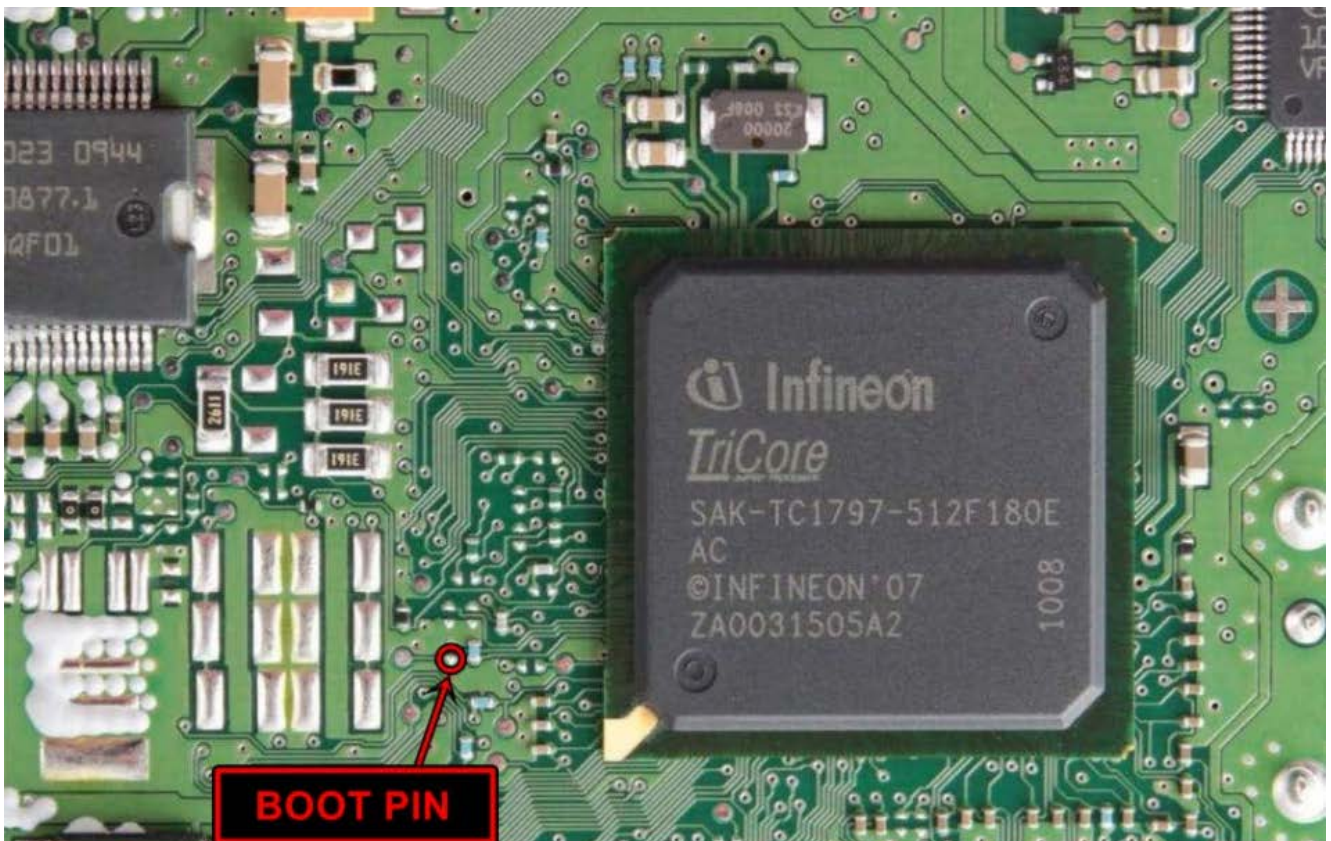
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

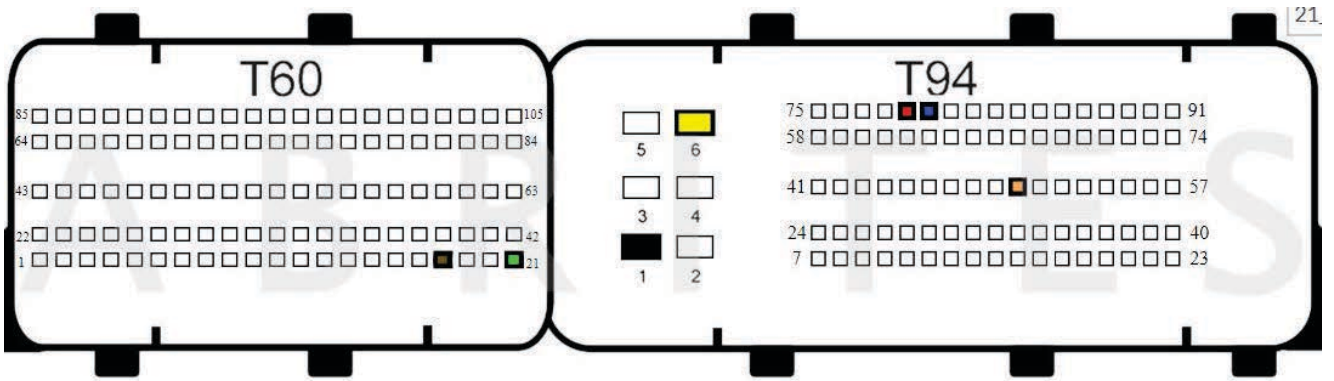
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17CP44 MASTER TC1797 - BSL connection:

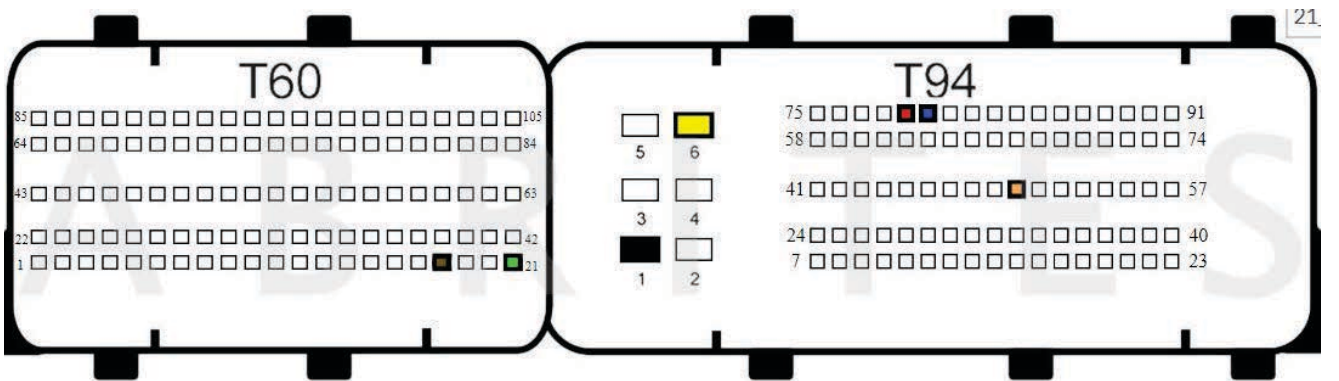


*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

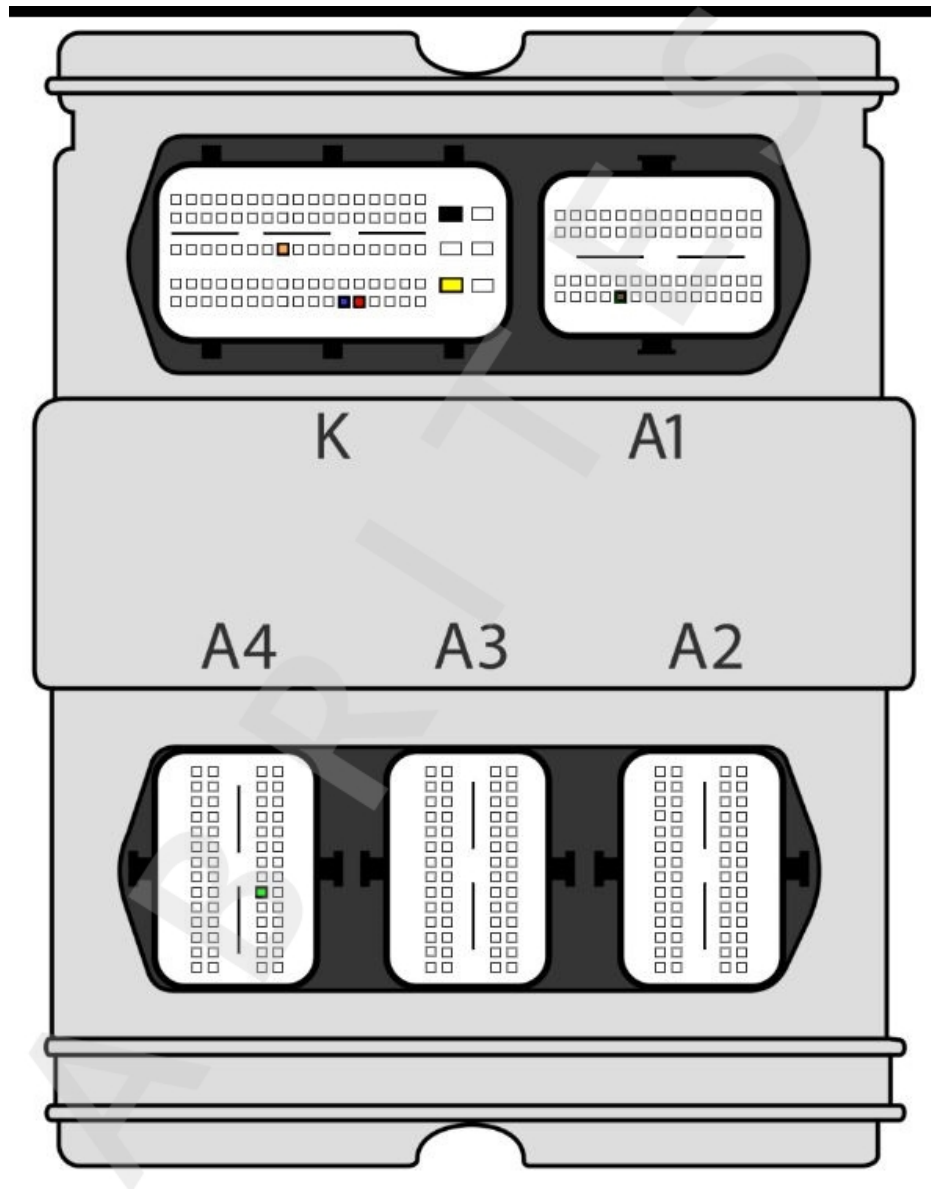
BOSCH EDC17CP44 MASTER TC1797 - Bench connection:



BOSCH EDC17CP44 SLAVE TC1797 - Bench connection:



EDC17CP54 TC1793 - Bench connection:



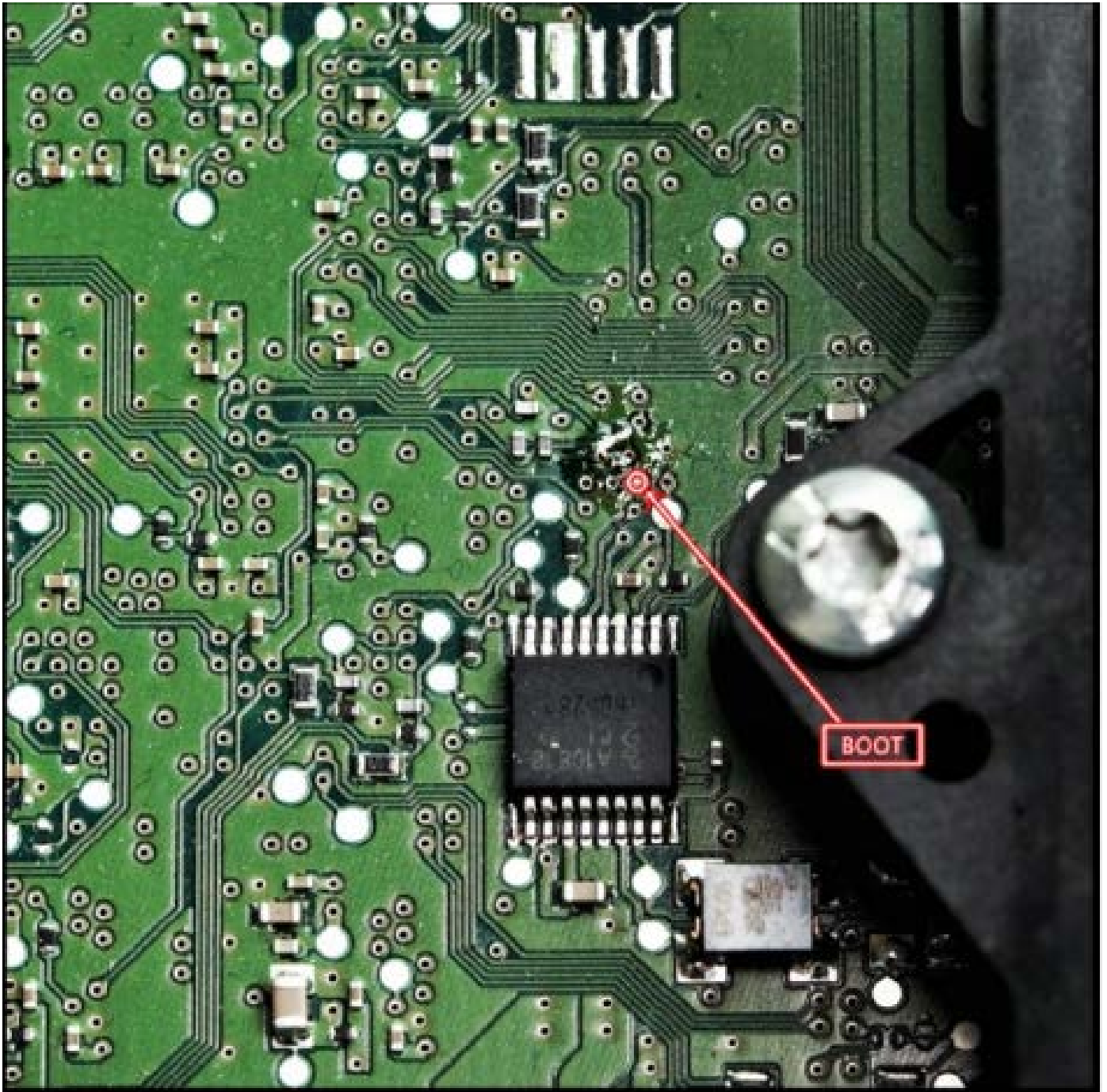
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

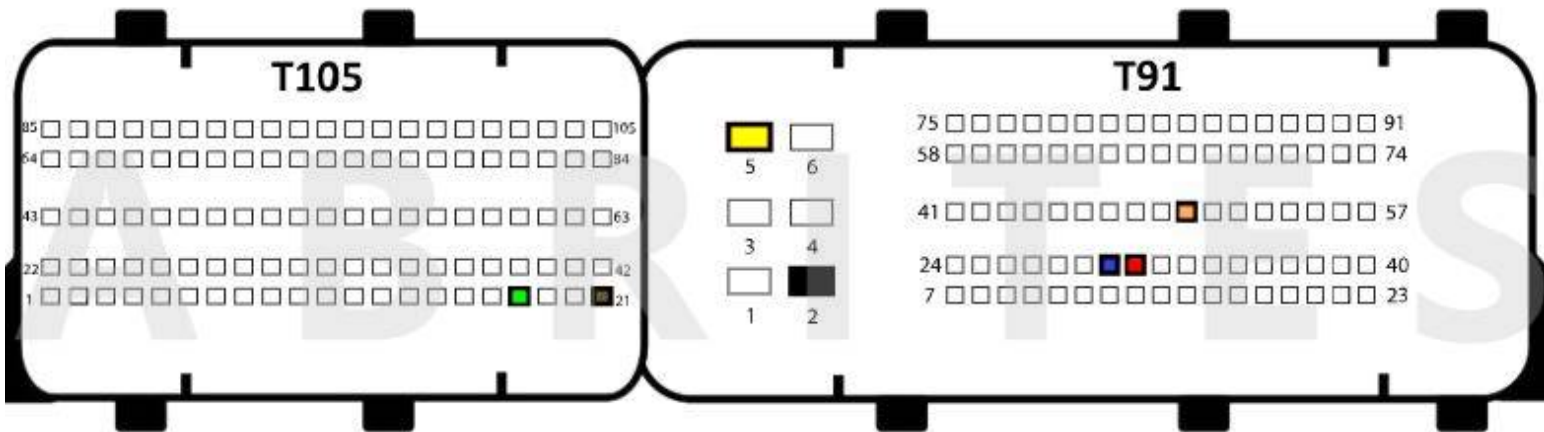
Old DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

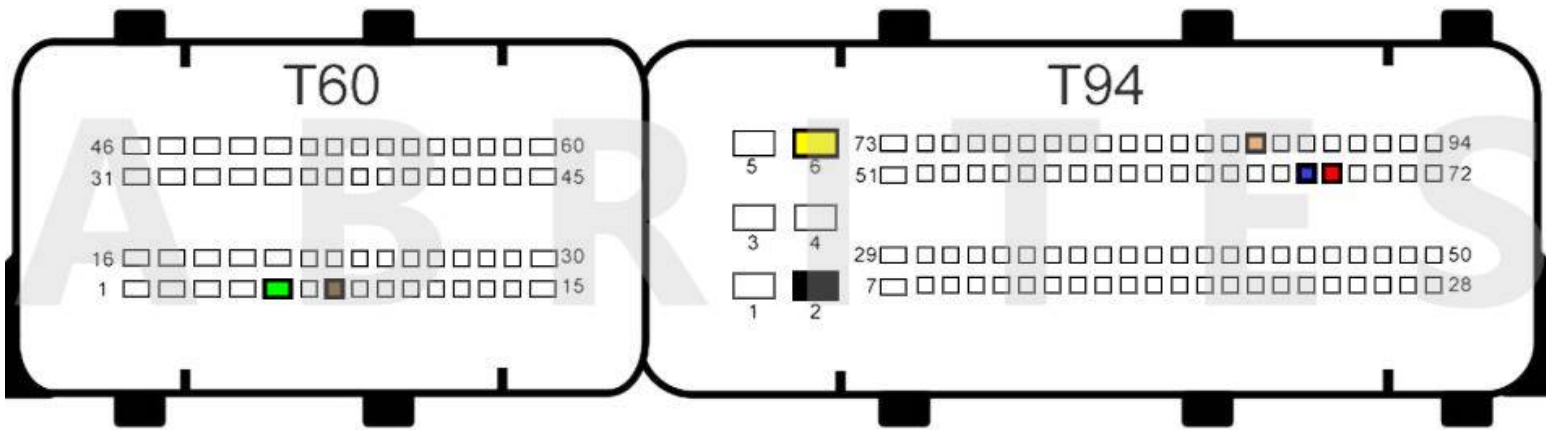
EDC17CP54 TC1793- BSL connection:



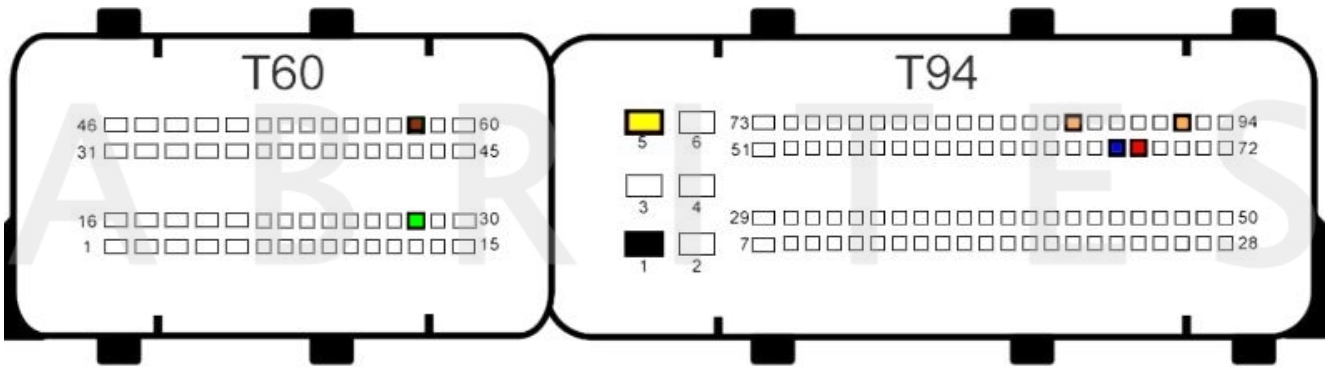
BOSCH EDC17CP74 TC1793 - Bench connection:



BOSCH ME17.5.26 - Bench connection



BOSCH EDC17U01 TC1766 - Bench connection:



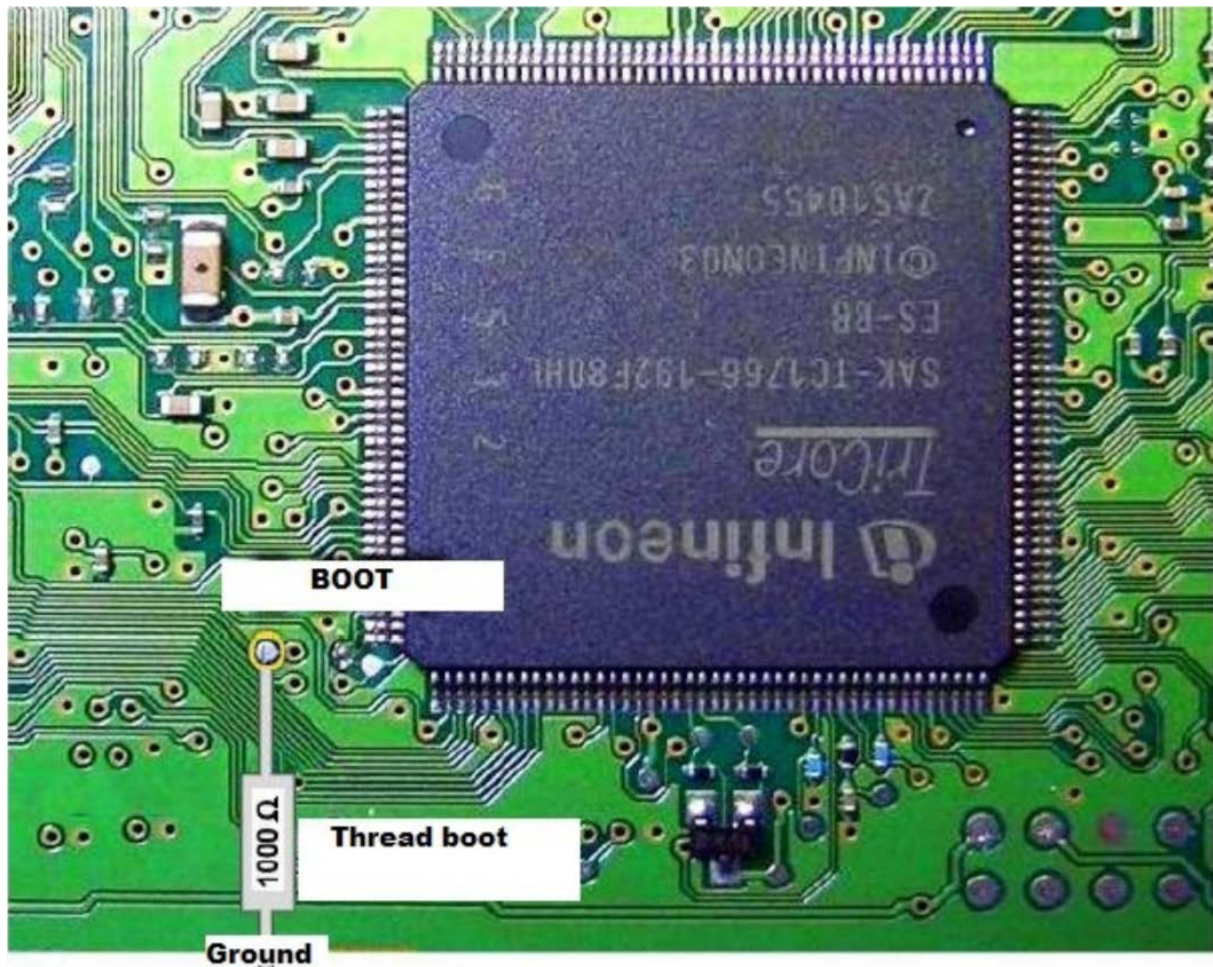
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

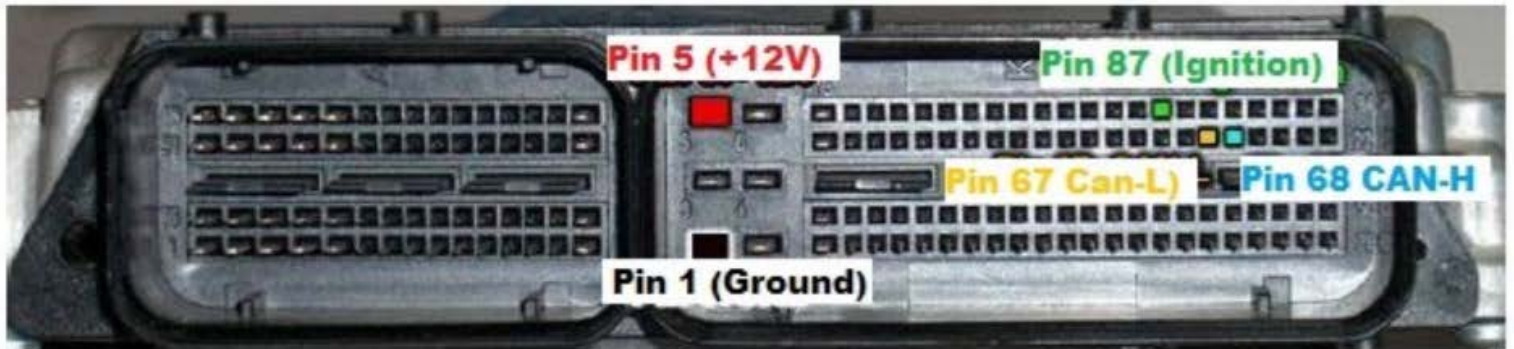
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH EDC17U01 TC1766 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH EDC17U05 TC1796 - Bench connection:



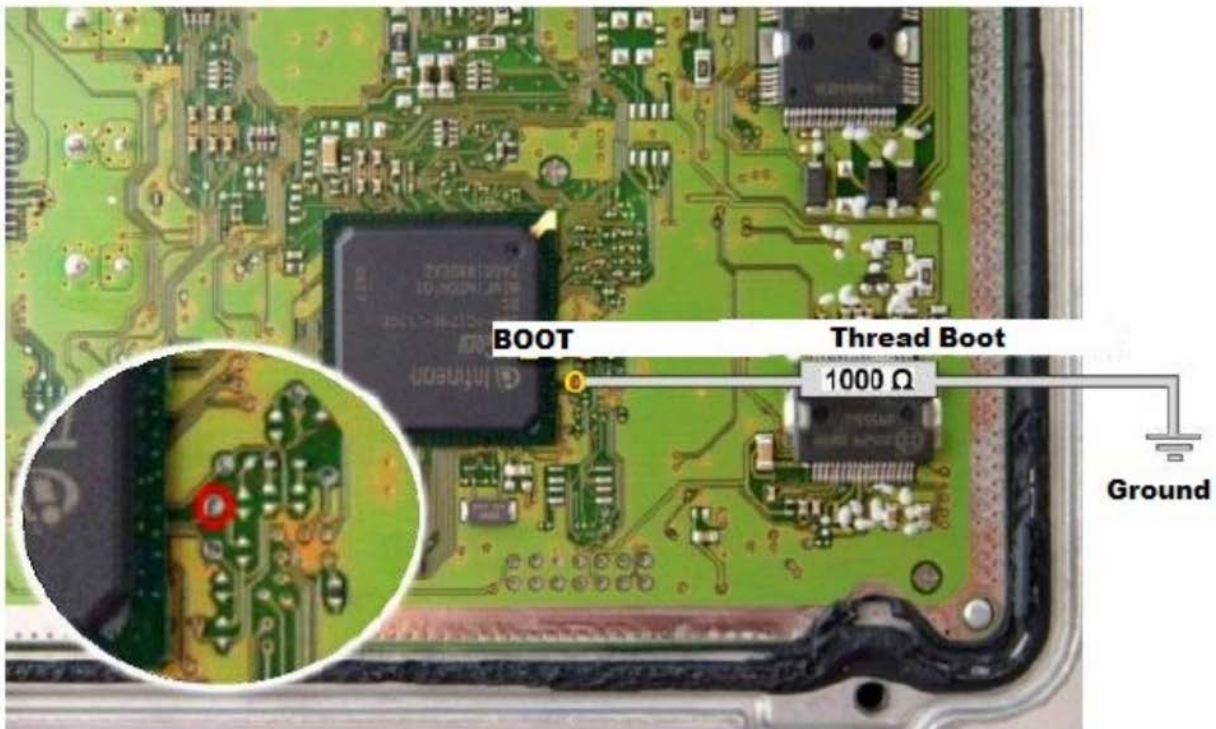
New CB401 DB15 cable Legend:

Power - **Yellow** (B+)
IGN - **Orange** (IGN)
GND - **Black** (GND)
CAN HI - **Red** (CAN6)
CAN LOW - **Blue** (CAN14)
Boot - **White**

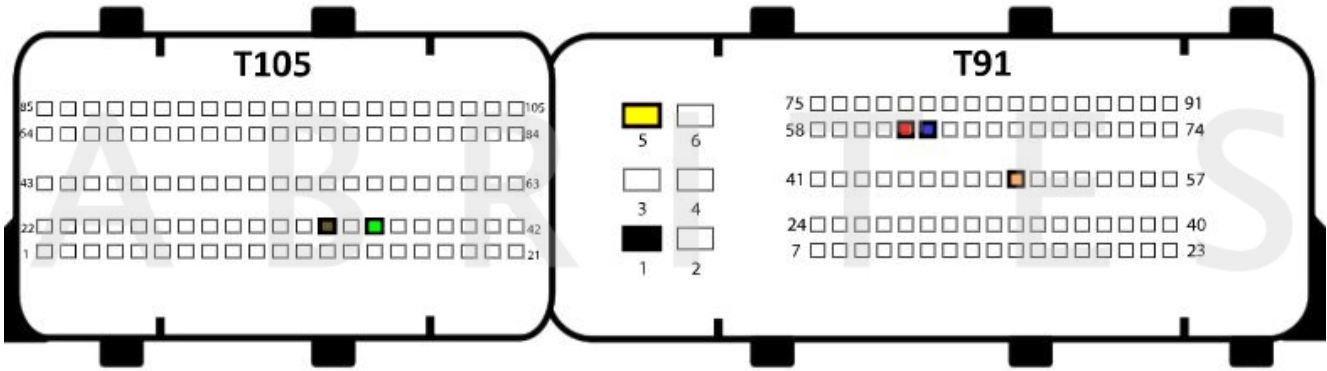
Old DB15 cable Legend:

Power - **Yellow** (B+)
IGN - **Yellow/PINK** (IGN)
GND - **Black** (GND)
CAN HI - **Red** (CAN6)
CAN LOW - **Blue** (CAN14)
Boot - **White**

BOSCH EDC17U05 TC1796 - BSL connection:



BOSCH MED17.1.1 TC1796 - Bench connection:



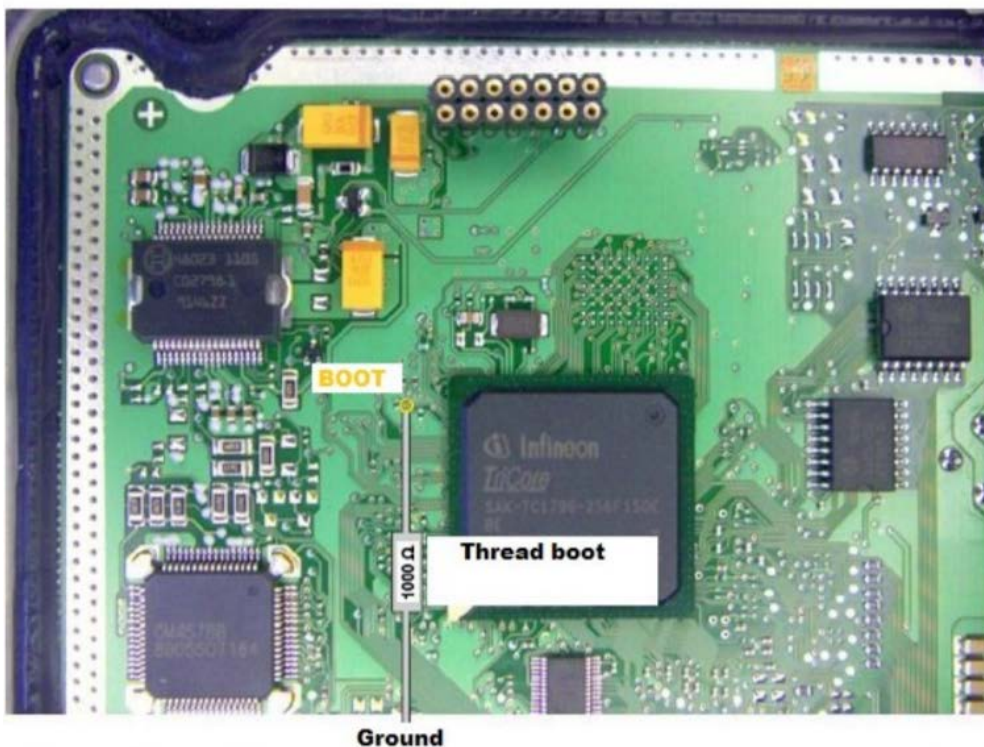
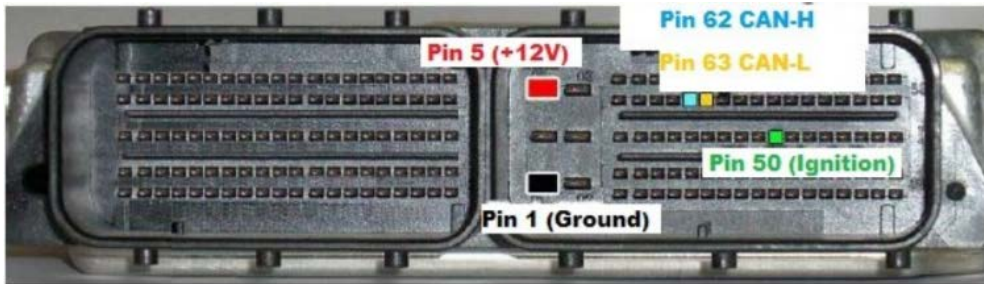
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

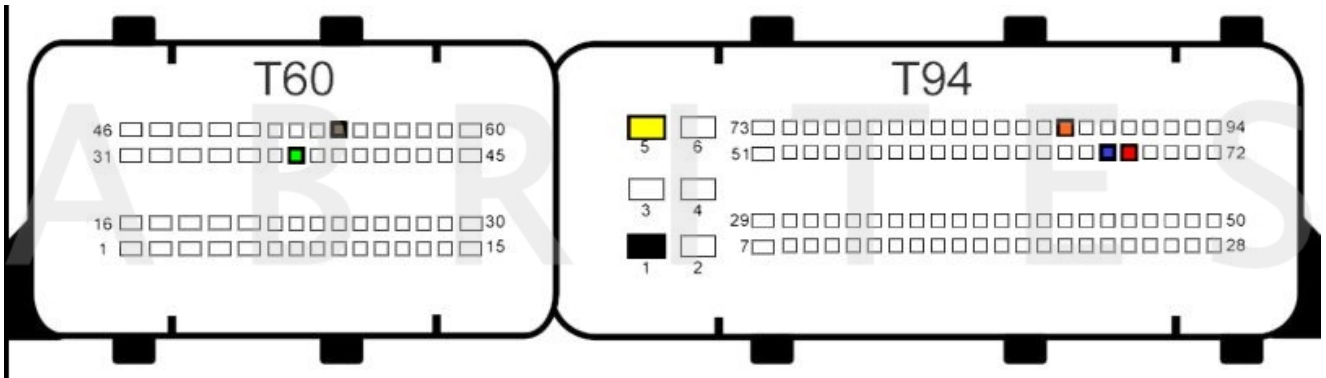
Old DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

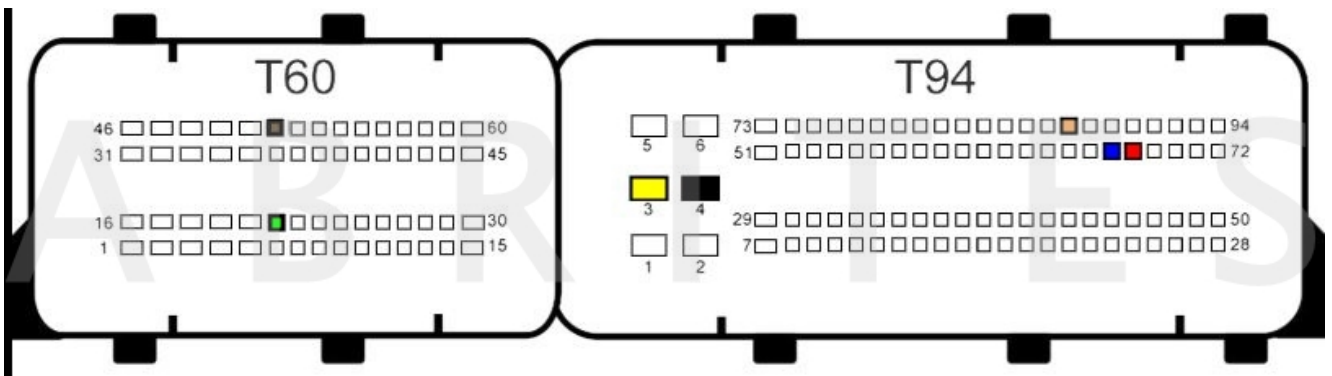
BOSCH MED17.1.1 TC1796 - BSL connection:



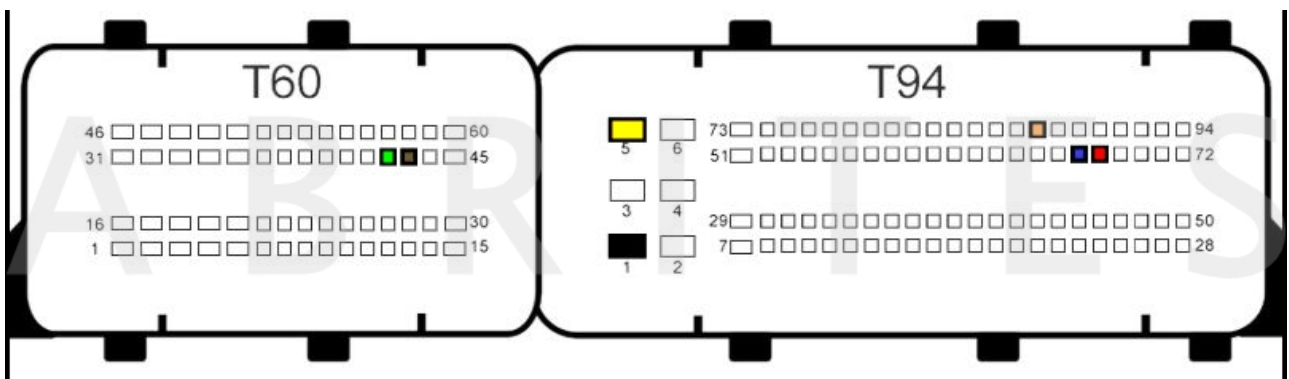
BOSCH MED17.1 TC1796 - Bench connection:



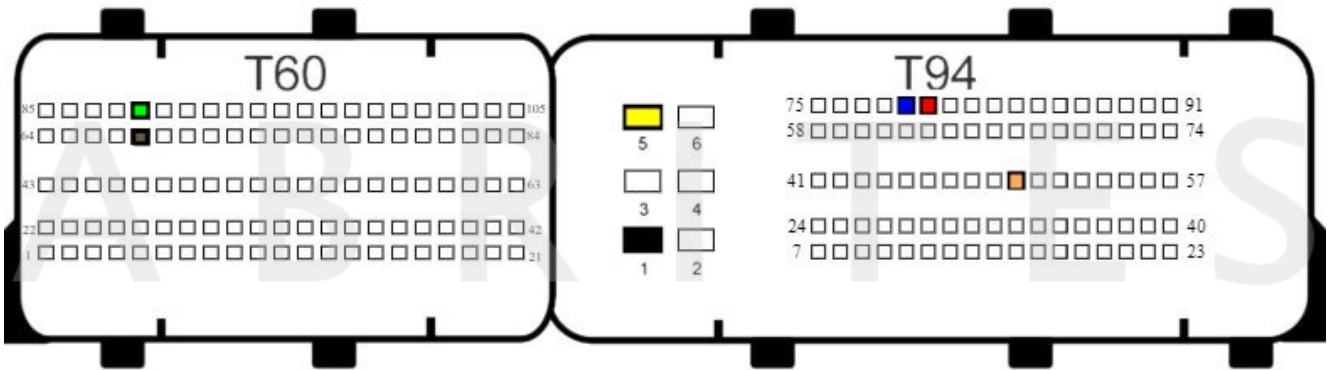
BOSCH MED17.1.21 TC1793 - Bench connection:



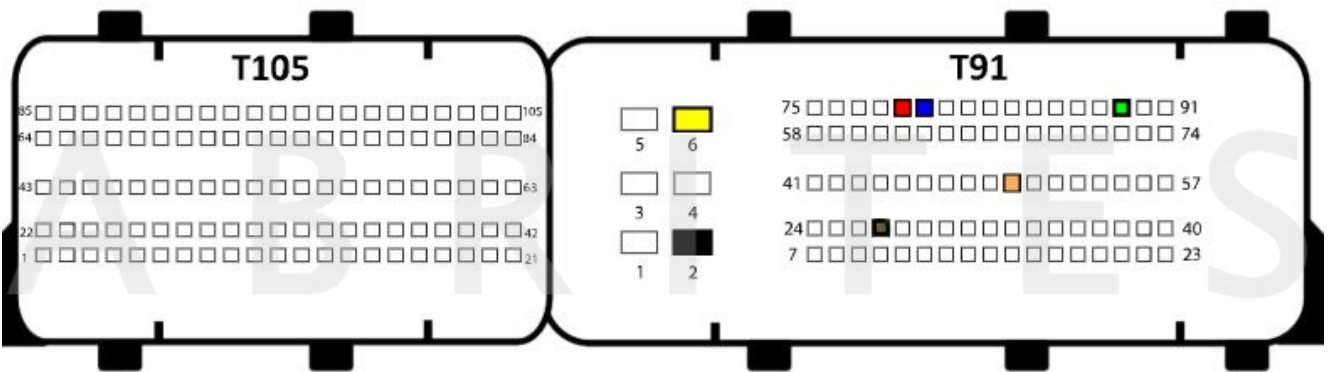
BOSCH MED17.1.27 - Bench connection:



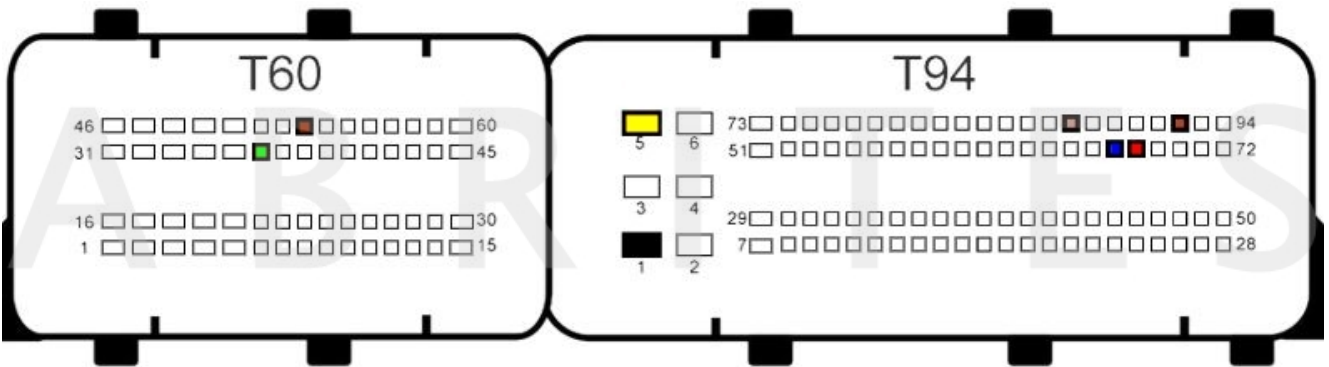
BOSCH MED17.1.61 TC1793 - Bench connection:



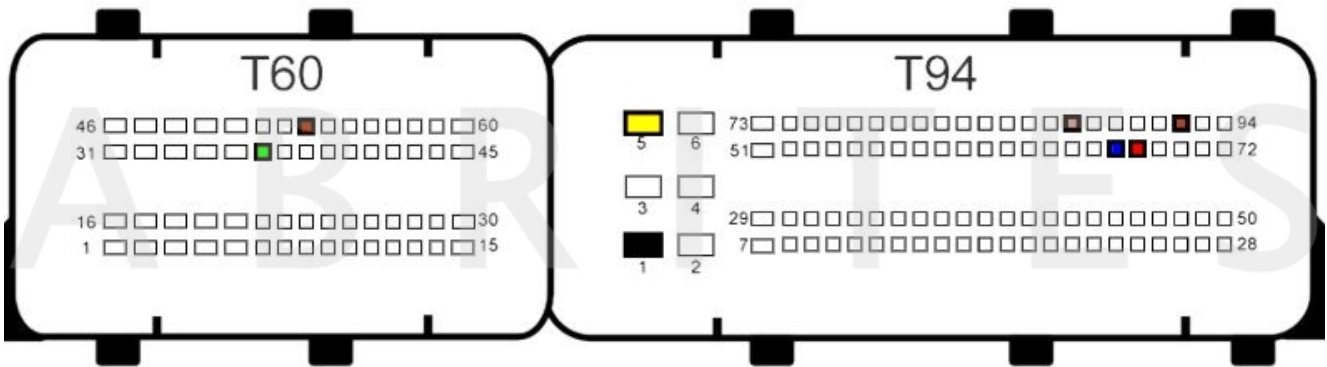
BOSCH MED17.1.62 TC1793 - Bench connection:



BOSCH MED17.5 TC1766 - Bench connection:



BOSCH MED17.5.1 TC1766 - Bench connection:



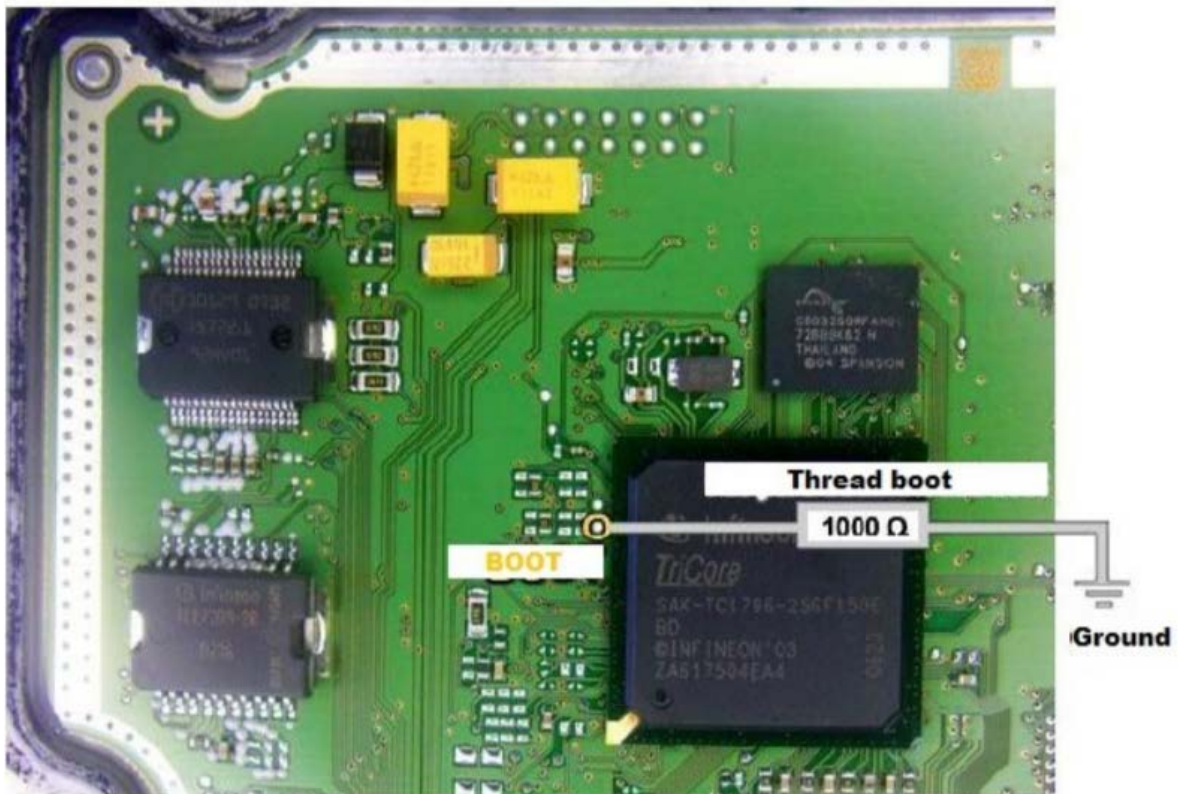
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

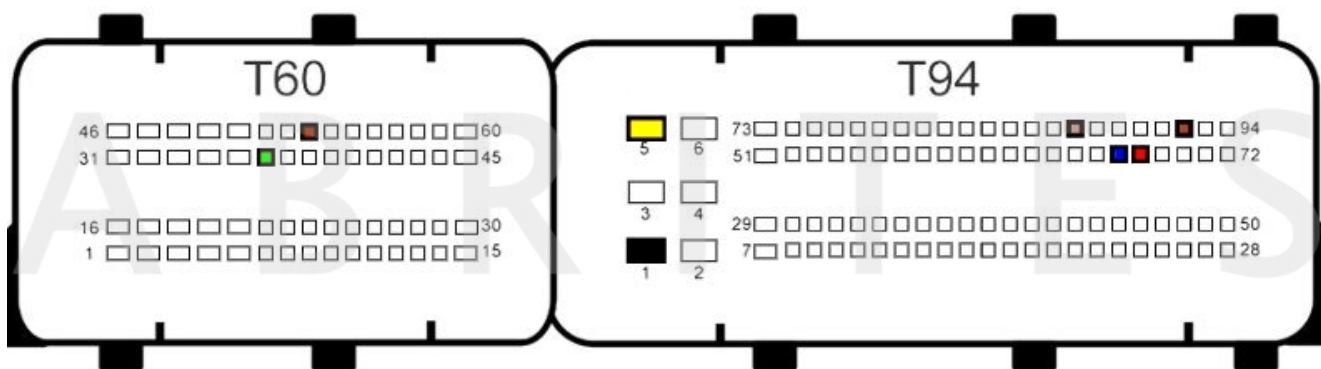
Old DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH MED17.5.1 TC1766- BSL connection:



BOSCH MED17.5.2 TC1767 - Bench connection:



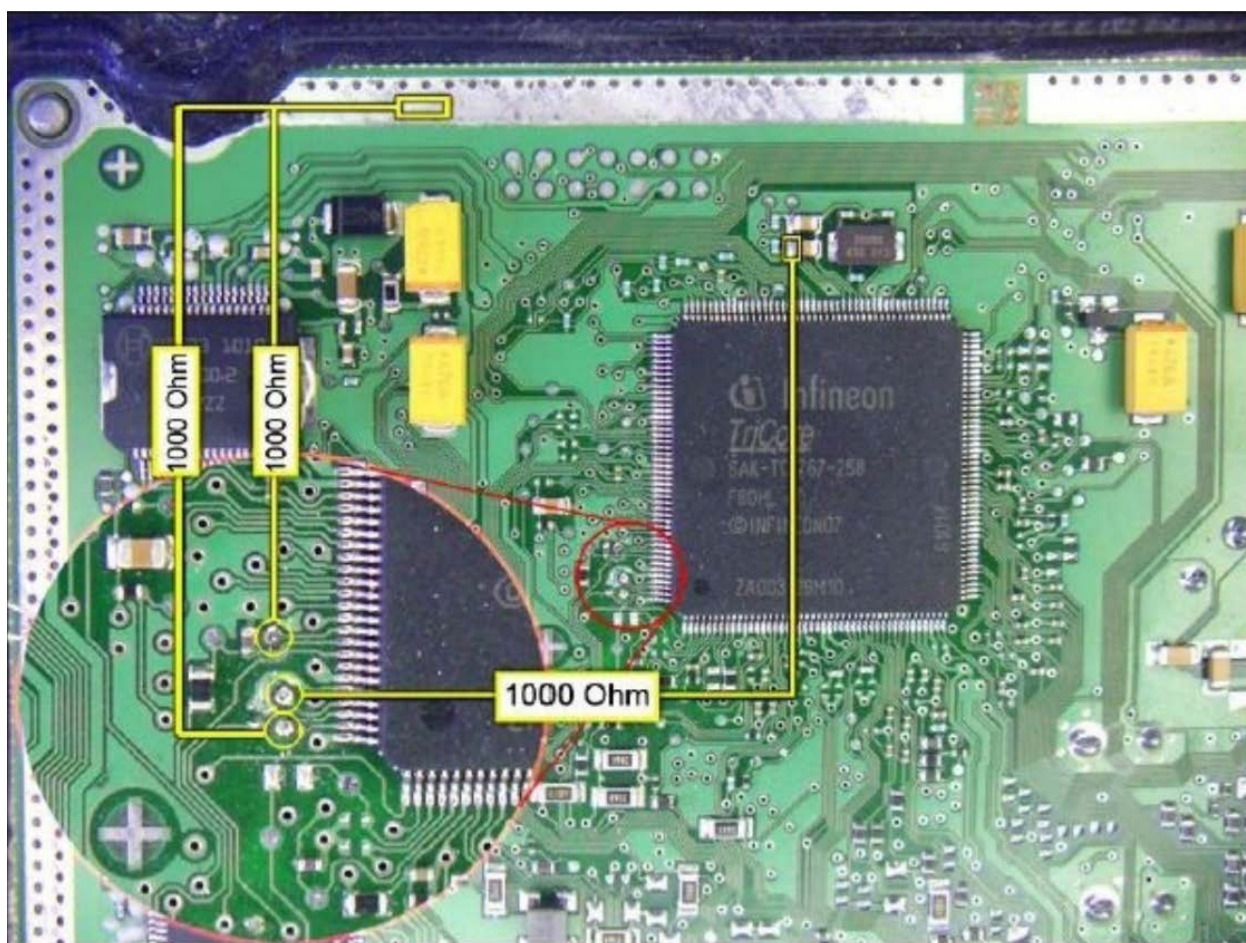
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

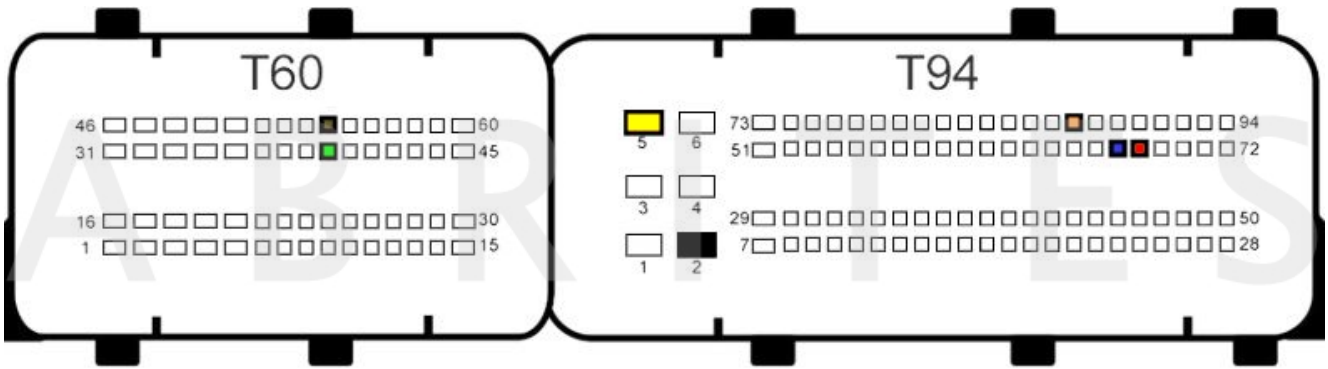
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH MED17.5.2 TC1767 - BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH MED17.5.20 TC1766 - Bench connection:



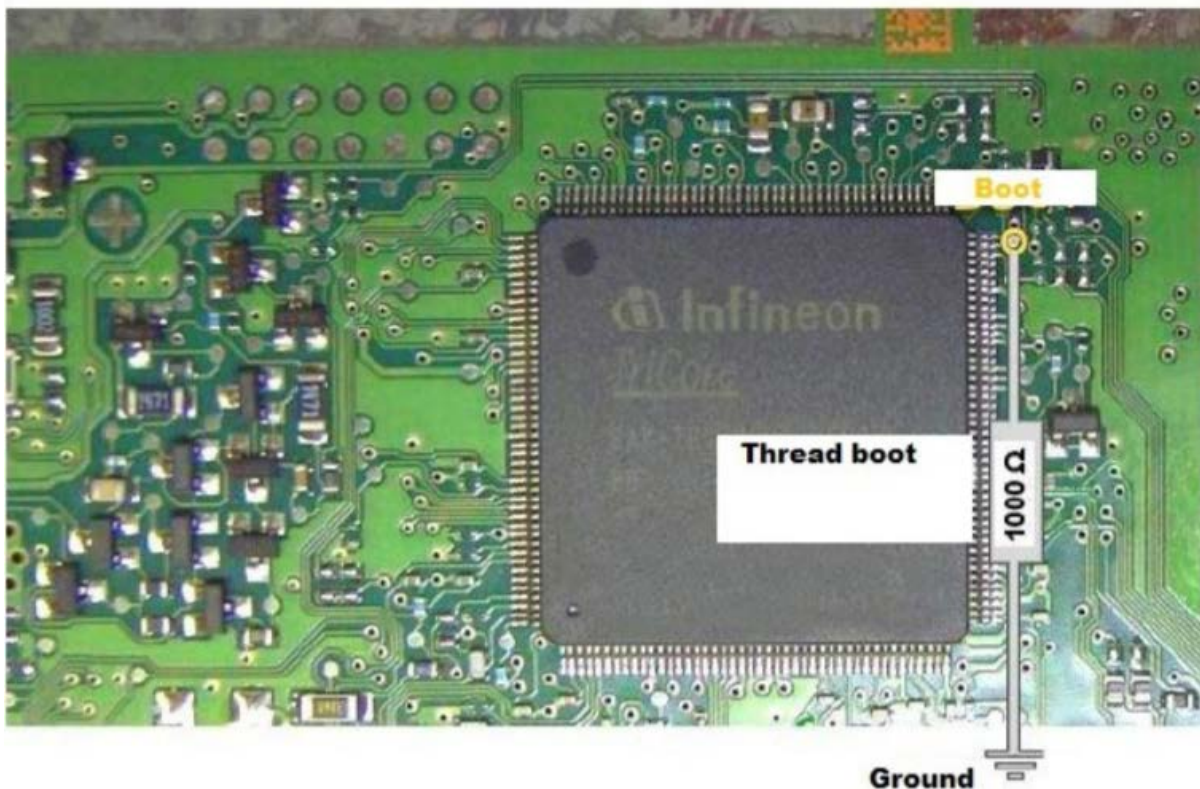
New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

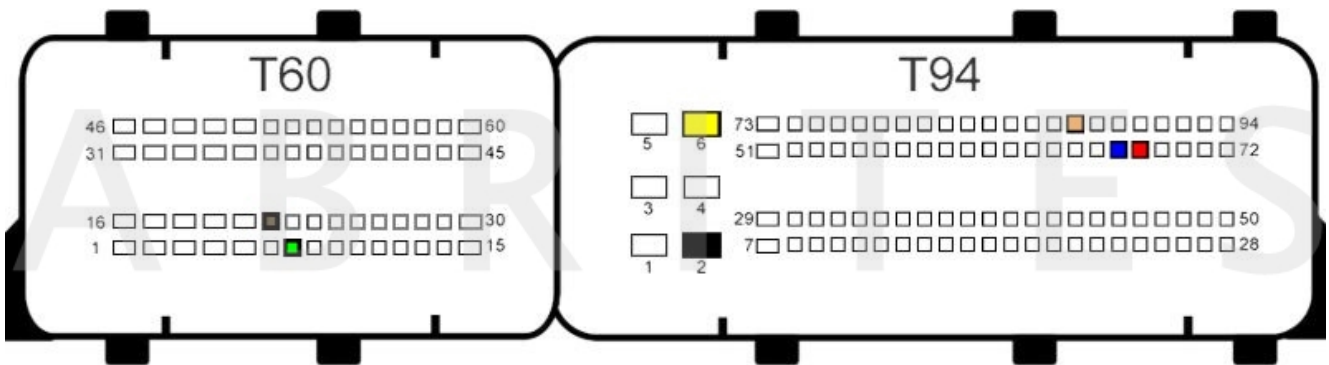
Old DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

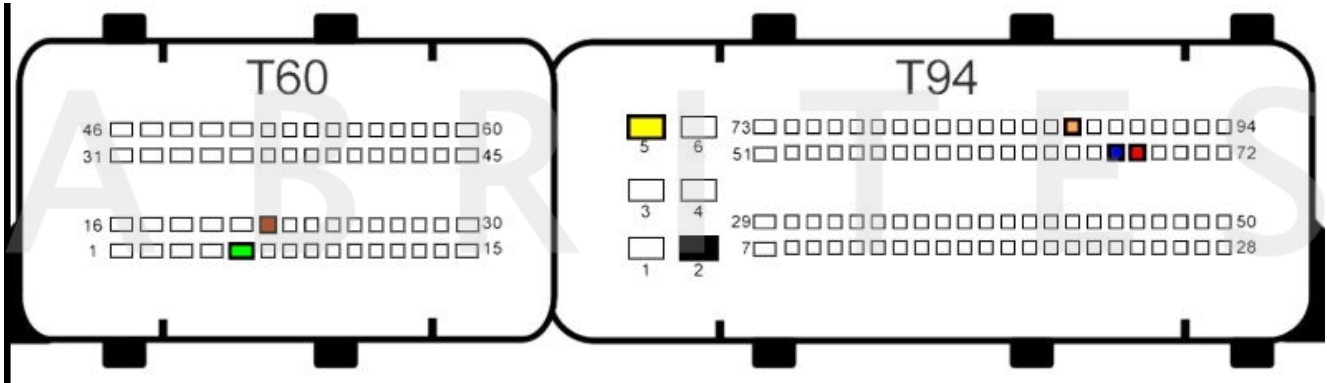
BOSCH MED17.5.20 TC1766- BSL connection:



BOSCH MED17.5.21 TC1782 - Bench connection:



BOSCH MED17.5.25 TC1782 - Bench connection:



New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

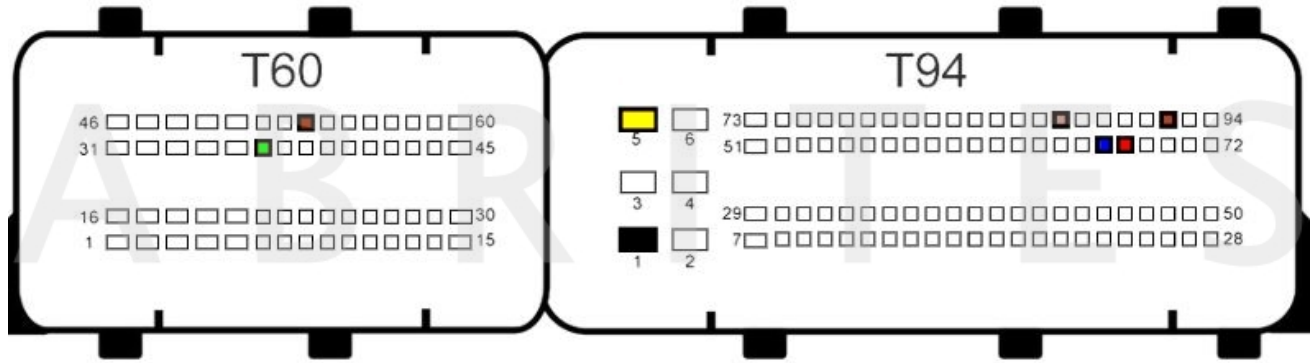
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH MED17.5.25 TC1782- BSL connection:



*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH MED17.5.5 TC1766 - Bench connection:



New CB401 DB15 cable Legend:

- Power - **Yellow** (B+)
- IGN - **Orange** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

Old DB15 cable Legend:

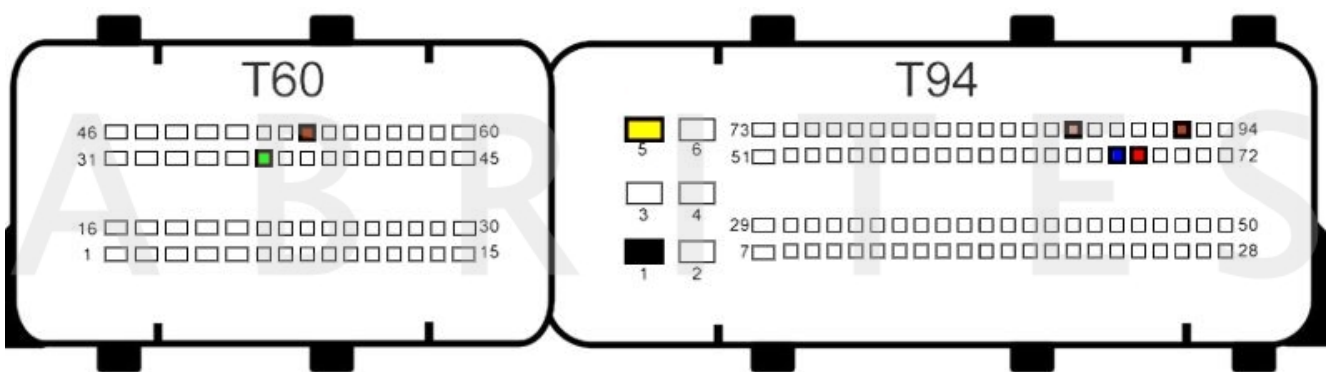
- Power - **Yellow** (B+)
- IGN - **Yellow/PINK** (IGN)
- GND - **Black** (GND)
- CAN HI - **Red** (CAN6)
- CAN LOW - **Blue** (CAN14)
- Boot - **White**

BOSCH MED17.5.5 TC1766 - BSL connection:



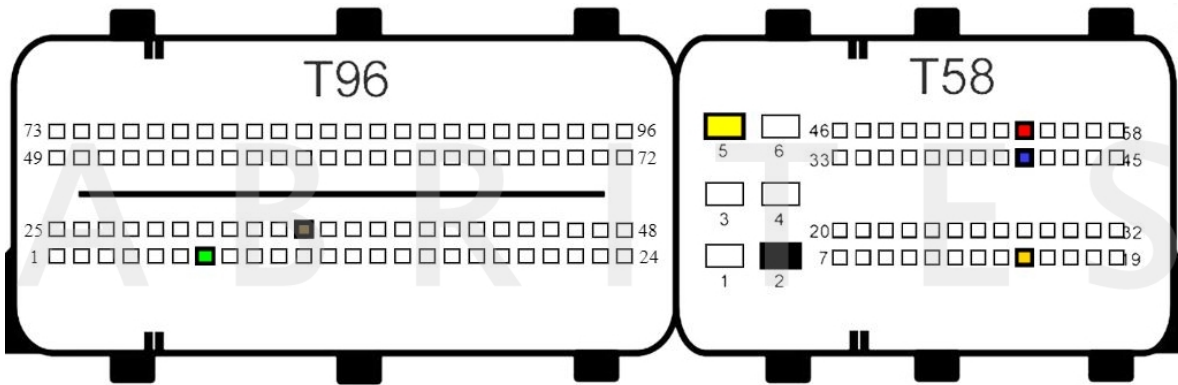
*Note: When reading the ECU in BSL mode, the usage of the DS-Box is optional. A cable wiring diagram can be found on page 10 in this user manual.

BOSCH MED17.5.5-HW02 TC1767/TC1766 - Bench connection:

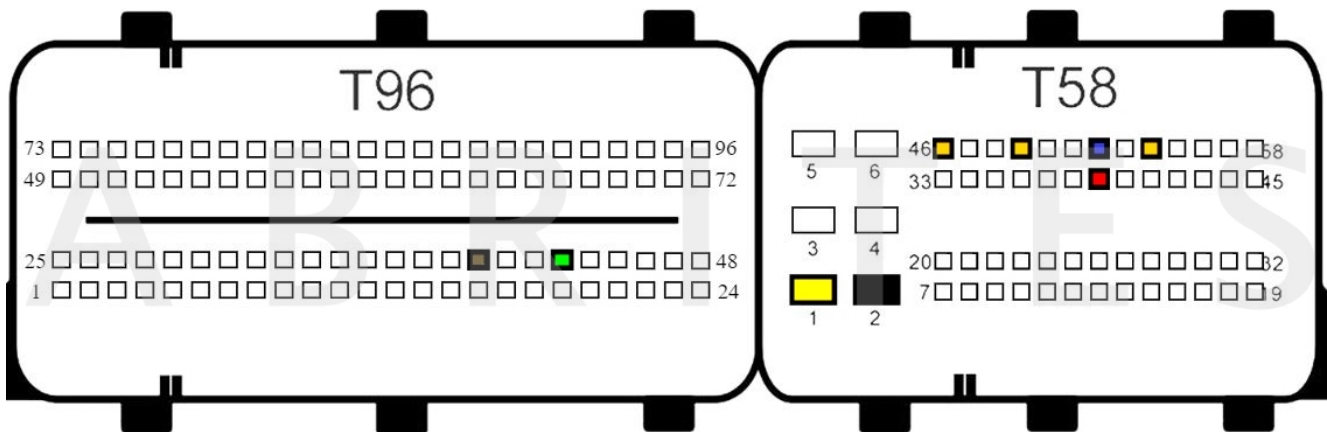


Volvo

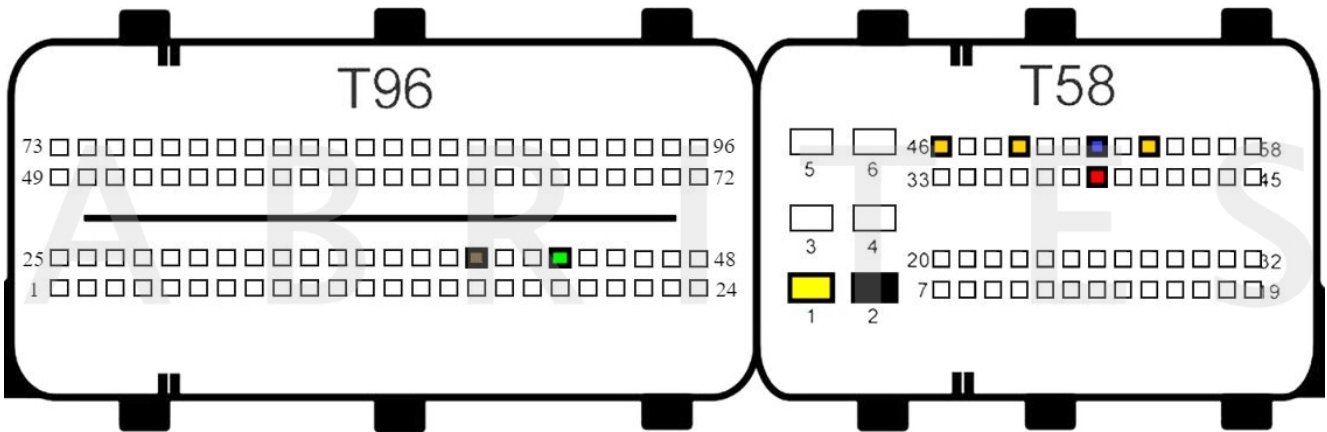
BOSCH EDC17CP22 TC1796 - Bench connection:



BOSCH EDC17CP48 TC1797 - Bench connection:

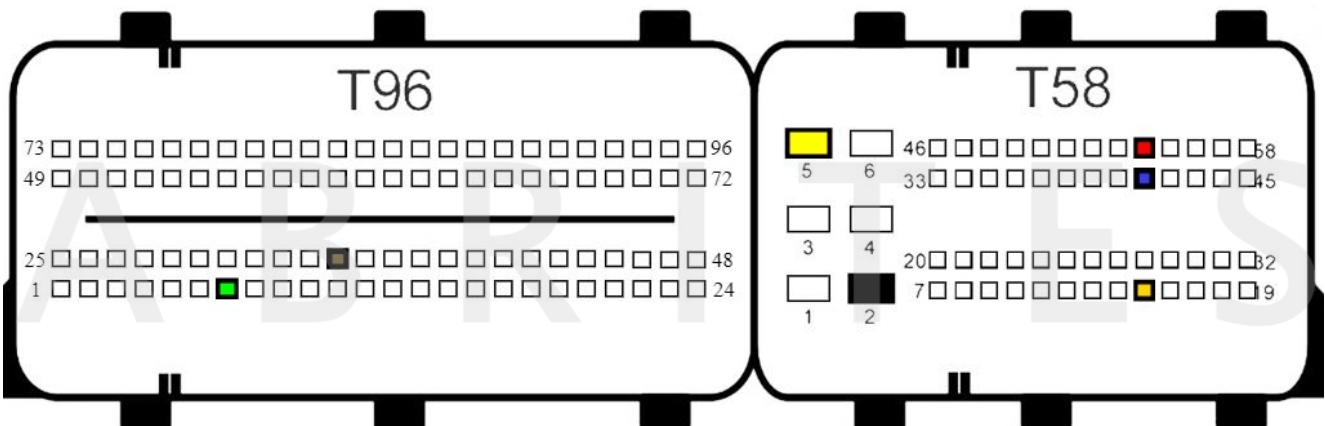


BOSCH EDC17CP68 TC1797 - Bench connection:

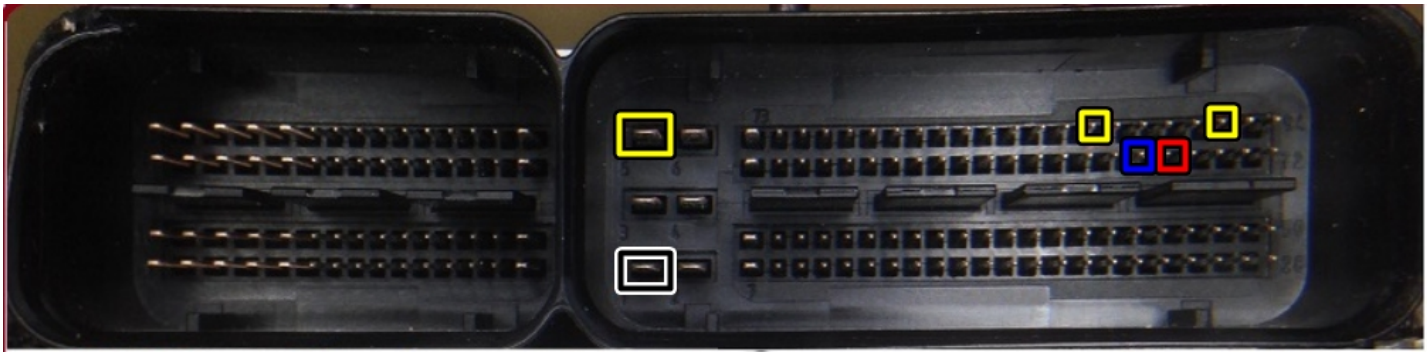


Volvo Penta

BOSCH EDC17CP22 TC1796 - Bench connection:



Simos PCR2.1 - Bench connection:



Yellow B+ (+12V Power)
Black GND (Ground)

Red CAN HI
Blue CAN LOW

