



# PALAX Combi TSV-E

## ***PALAX Combi TSV-E electrical table***

2 Different electrical boxes has been used during manufacturing model TSV-E since 2000 to 2003.

This document shows both, so You can identify which one You have. You can also use these tables for measuring, if You have any problems with Your machine.

Computer's connector is the same at the both models (Deutsch 23 pin).

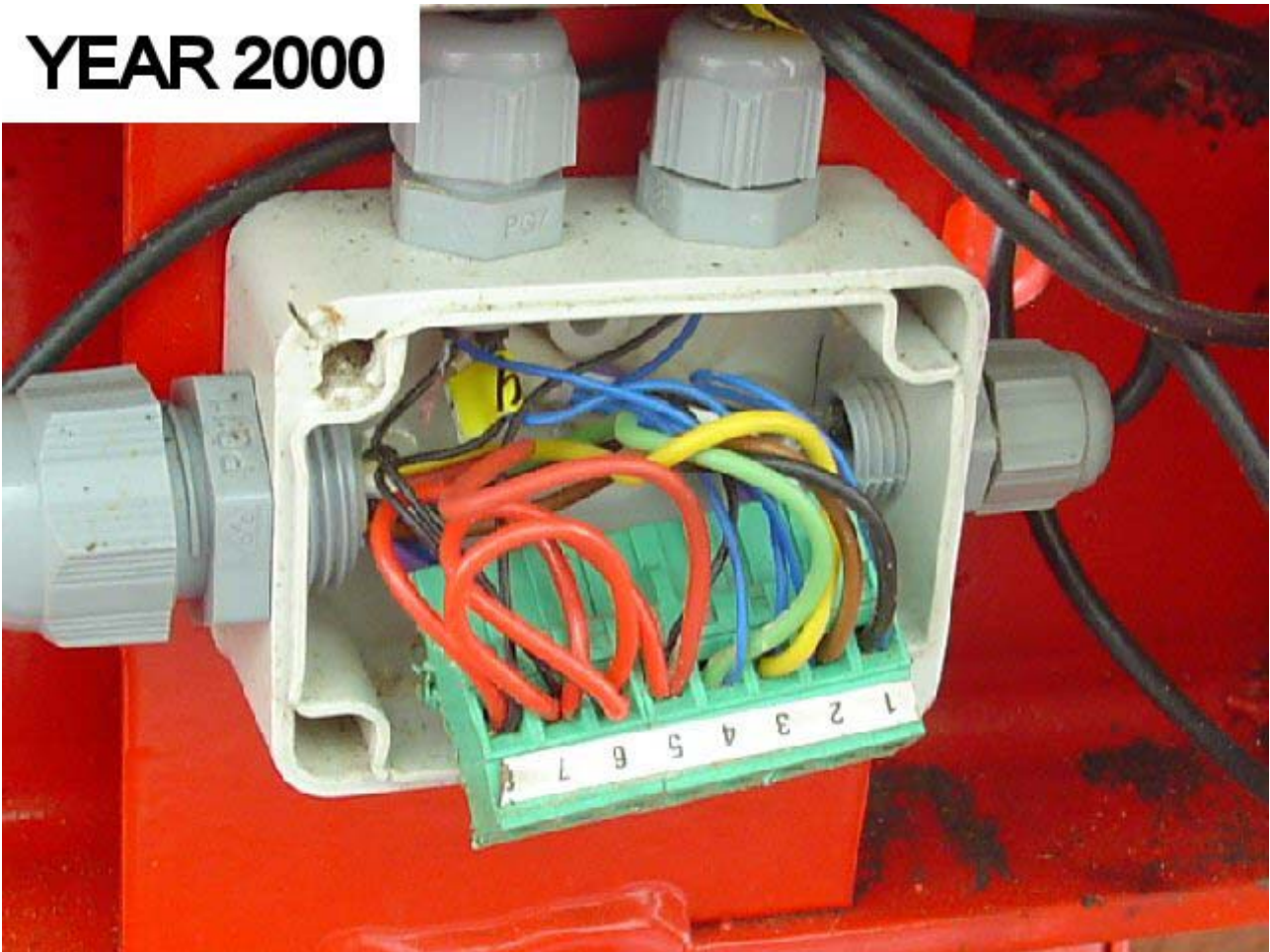
## ***Occasional malfunctions***

Mostly malfunctions are caused because of moisture or because connector's pins are became oxidized.

Usually malfunctions causing moisture has been condensate to the control logic's 23-pin connector. That connector is fully waterproof, so condensed moisture cannot evaporate. Therefore pins are becoming oxidized, and probably having some contact failures.

We recommend to use some lubricant spray for electrical devices (for example PRF 7-78, Kontakt Chemie Kontakt 61, CRC 2-26 etc.), because these chemicals will prevent oxidizing.

**YEAR 2000**



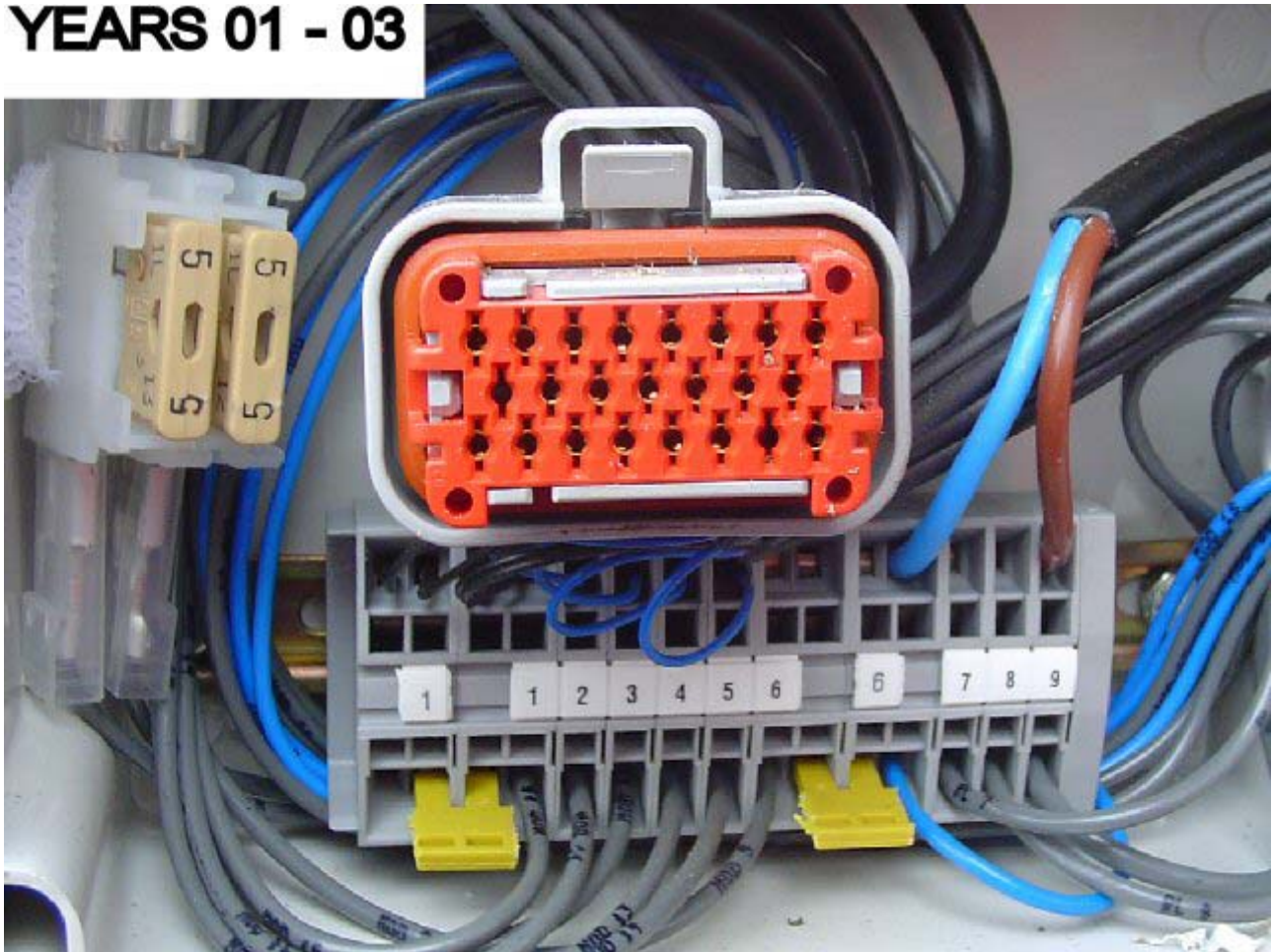
**ELECTRIC BOX  
CONNECTOR NR.**

**FROM / TO**

**CONTROL LOGIC'S CONNECTOR  
PIN NR.**

1	Mesh cage's sensor	11
2	"Cylinder in" -sensor	12
3	"Cylinder out" -sensor	13
4	Launch sensor for splitting	14
5	+12V Voltage	16
6	+12V Voltage	16
7	+12V Voltage	16
8	+12V Voltage	16

**YEARS 01 - 03**



**ELECTRIC BOX  
CONNECTOR NR.**

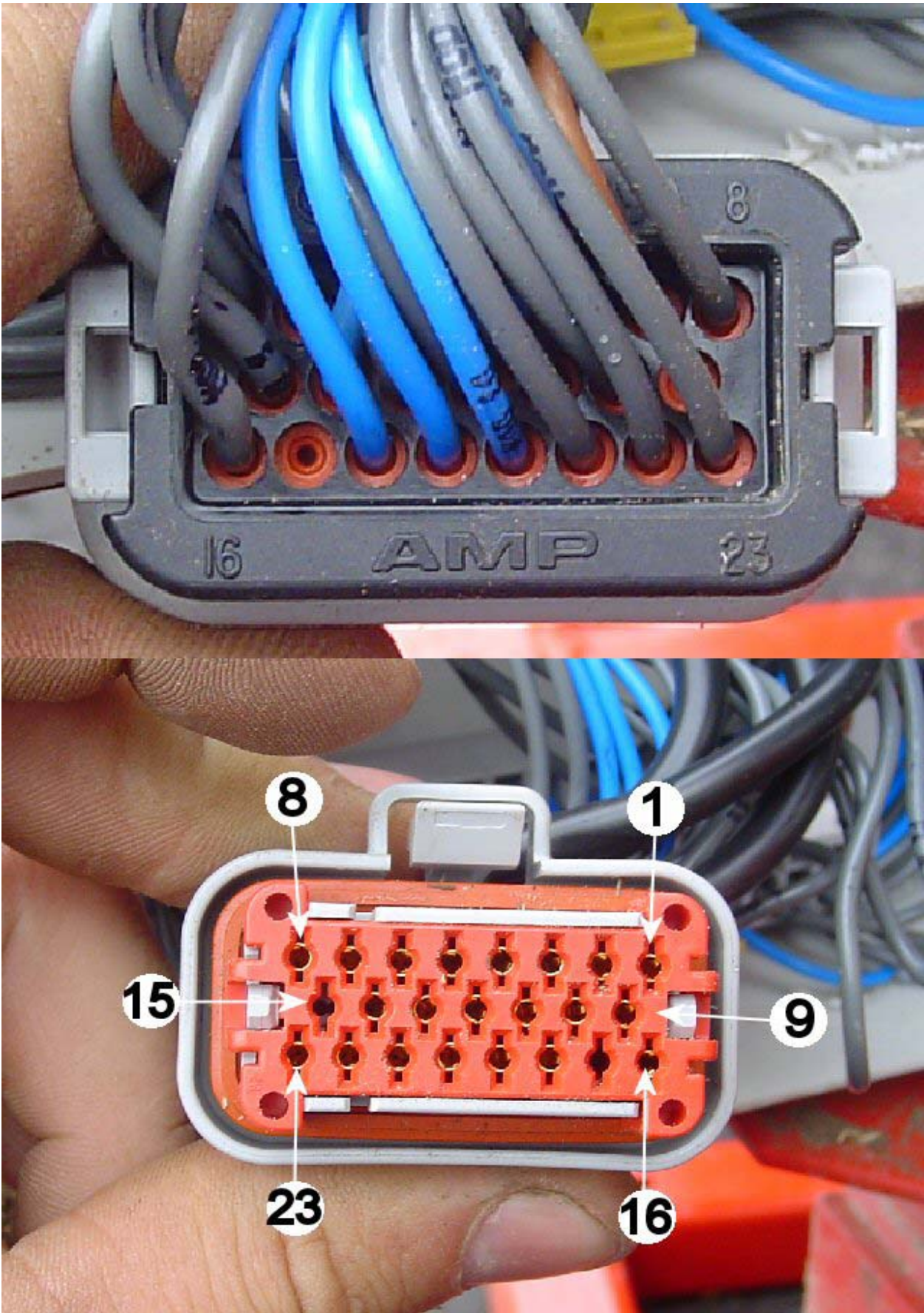
**FROM / TO**

1	+12V Voltage
2	Mesh cage's sensor
3	"Cylinder in" -sensor
4	"Cylinder out" -sensor
5	Launch sensor for splitting
6	Ground 0V
7	OPTIONAL
8	OPTIONAL
9	To emergency -switch

**COMPUTER'S CONNECTOR  
PIN NR.**

16
11
12
13
14
9





These pictures will help You to understand pin´s numbers.