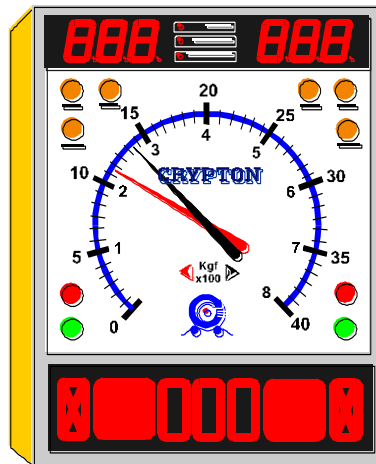


CRYPTON

In tune with the future



Commercial Vehicle Roller Brake Tester.

CVBT 8000

INSTALLATION MANUAL

TES1347/A
Aug 2001

IMPORTANT

Every reasonable effort has been made to ensure that information within these Operating Instructions is correct at the time of release, but Crypton cannot accept-responsibility for any errors that may occur.

The information in these Operating Instructions is subject to change without notice, and does not represent a commitment on the part of Crypton.

Service & Warranty

The reliability of this equipment is fully supported by our service agents, with repair workshops and field service engineers to provide a full range of After-Sales Care, including installation, contract maintenance, factory overhaul and emergency repairs on site. Please refer to the page at the end of this manual for full details.

Note:

Your attention is drawn to our Terms & Conditions of Sale, particularly paragraph 2. If a service engineer is called out. under service warranty where, upon inspection and test the equipment is found to be in full working order and no fault found, the user is liable to be charged the cost incurred for this call out. Before calling out an engineer, ensure your equipment is faulty by checking its operation, particularly mains supply and fault codes/self test if applicable.

WARNING:

Do not attempt to operate this equipment unless you have read and understood these instructions.

Cables:

Cable no.	EWJ no.	Type	Location/Function
1	LT0000	13x0.50 [⊙]	Yellow box – Right roller unit
2	LT0000	13*0.50 [⊙]	Yellow box – Left Roller unit
3			Internal cable
4	LT1022	Flat cable	Internal cable
5			Internal cable
6	LT1003	2x0.50 [⊙]	Yellow box – cable transducers
7	LT1006	13x1.0 [⊙] + earth, screened	Yellow box – Display console
8	Not used for EB30		
9	Not used for EB30		
10			
11	LT1007	3x2x0.14 [⊙] pair twined screened	Yellow box – PC
12			
13			
14	LT1006	13x1.0 [⊙] + earth, screened	Display console – slave console
15			
16	LT1015	3x0.50 [⊙] screened	Yellow box – radio transducers
17	LF1014	4x0.50 [⊙]	Control – emergency stop
18	Not used for EB30		
19	Not used for EB30		
20	Not used for EB30		

Note that the cable number correspond to the plug number.

For location see next page.

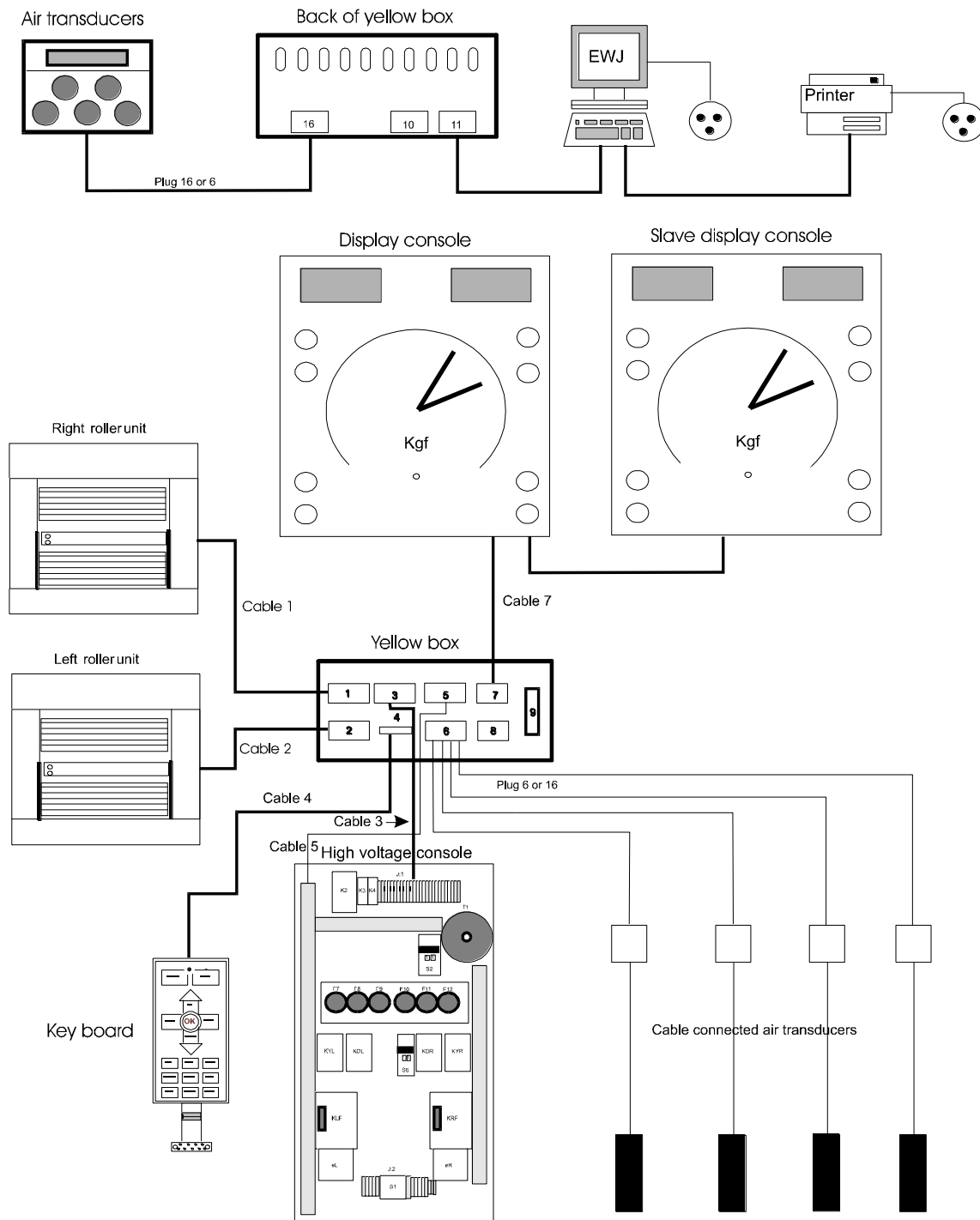
Cables number 1, 2, 7, and 11 are not provided in the kit.

The cables have to be fitted with Molex pins. The pins are included in the kit. A pair of Molex pliers no. HTR 1031E and an extractor tool no. HTL038 are necessary to fit the pins. These tools are manufactured in UK.

Important: The sockets are fitted with female plugs except one at a different place in each socket to avoid the plug being placed in the wrong socket. In socket one it is plug 1, in socket 2 it is plug 2 etc.

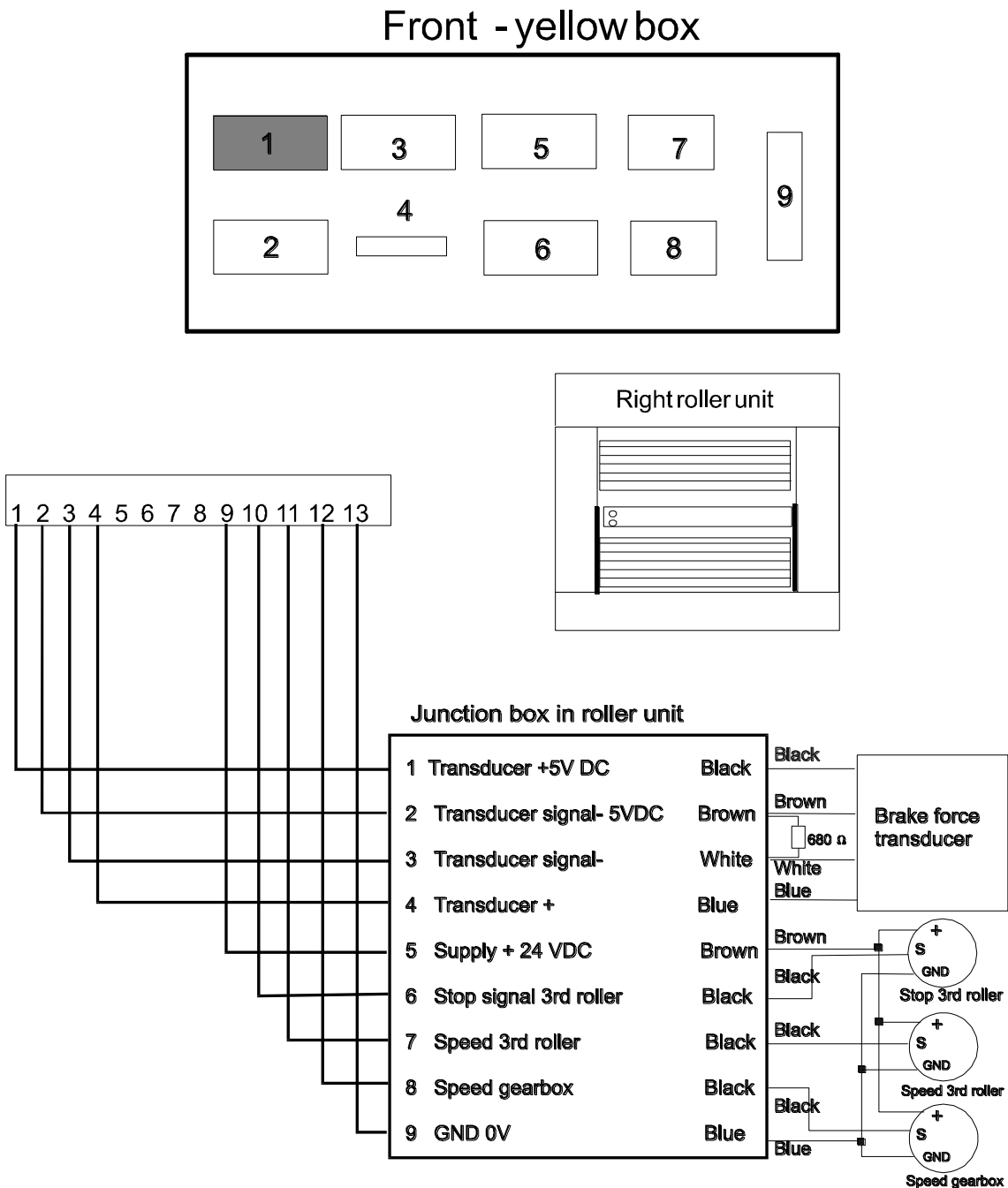
Take great care when fitting the pins to the cable that the female pin is fitted to right lead. In plug 1 the female pin is in number 1, in plug 2 – number 2, etc.

Cable Layout.



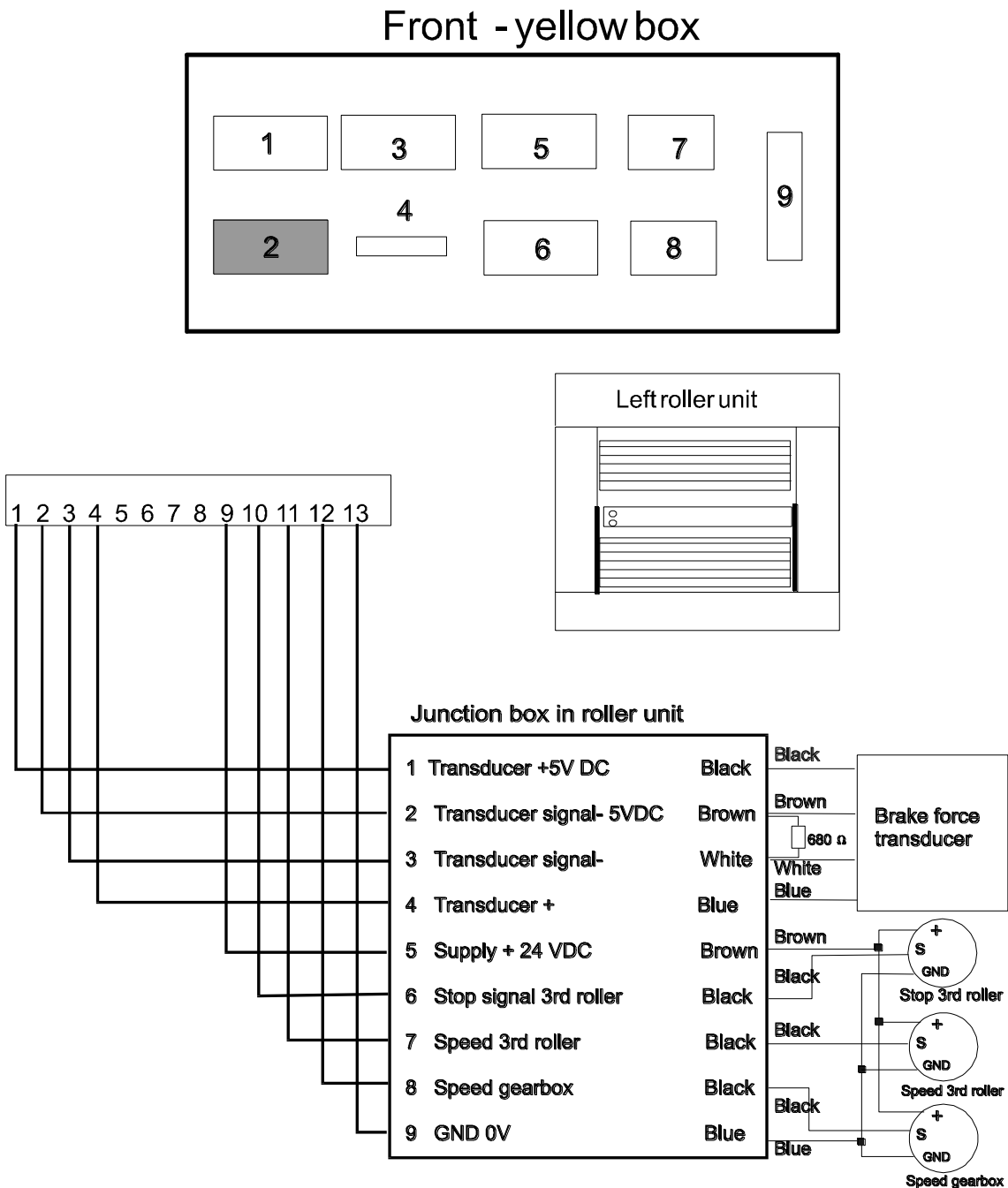
Cable 1- LT0000 - 13x0.50[°] **NOT provided in kit**

Cable between right roller unit and yellow box



Cable 2 - LT0000 - 13x0.50[⊙] **NOT provided in kit**

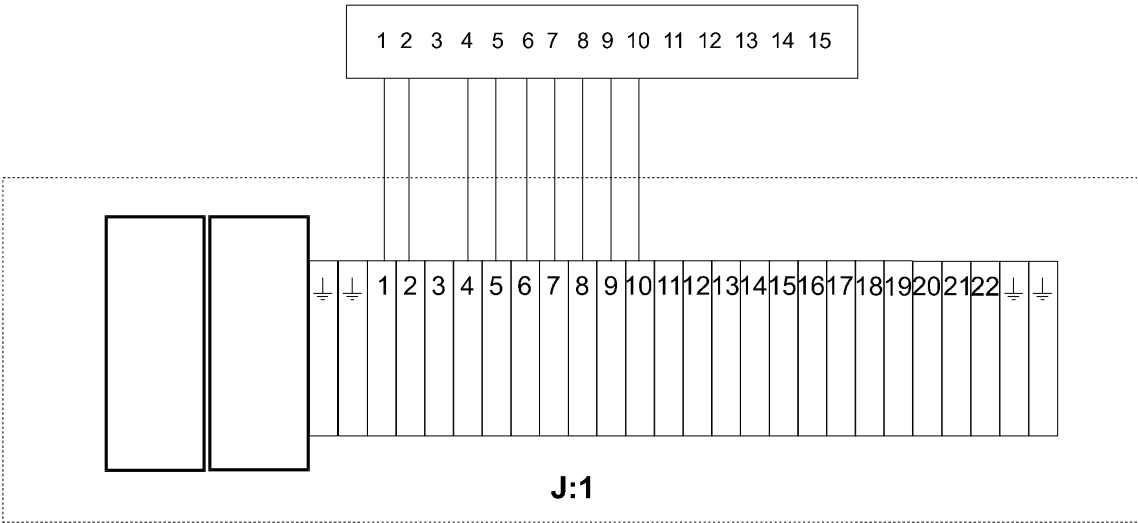
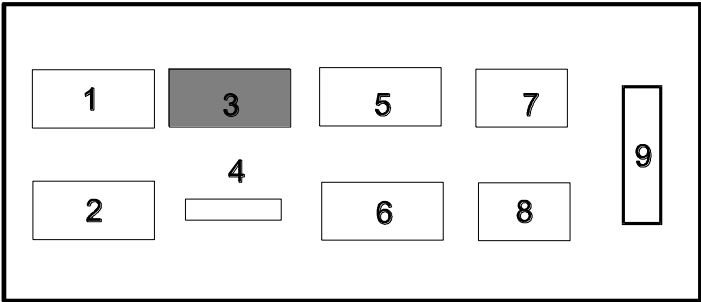
Cable between left roller unit and yellow box



Cable 3 - Internal cable – provided with the kit

From terminal J1 In control unit and plug 3 in yellow box

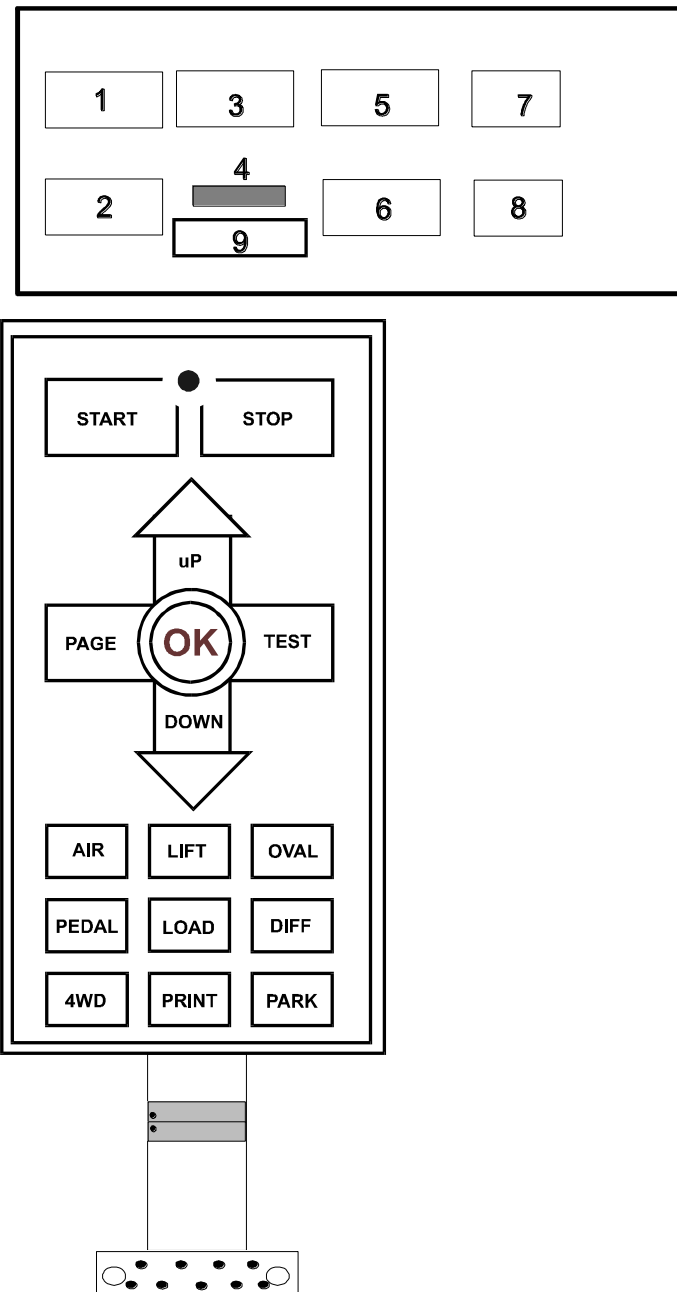
Front of yellow box



Terminal in control console

Cable 4 - LT1022 - Flat cable - Internal cable – provided with the kit

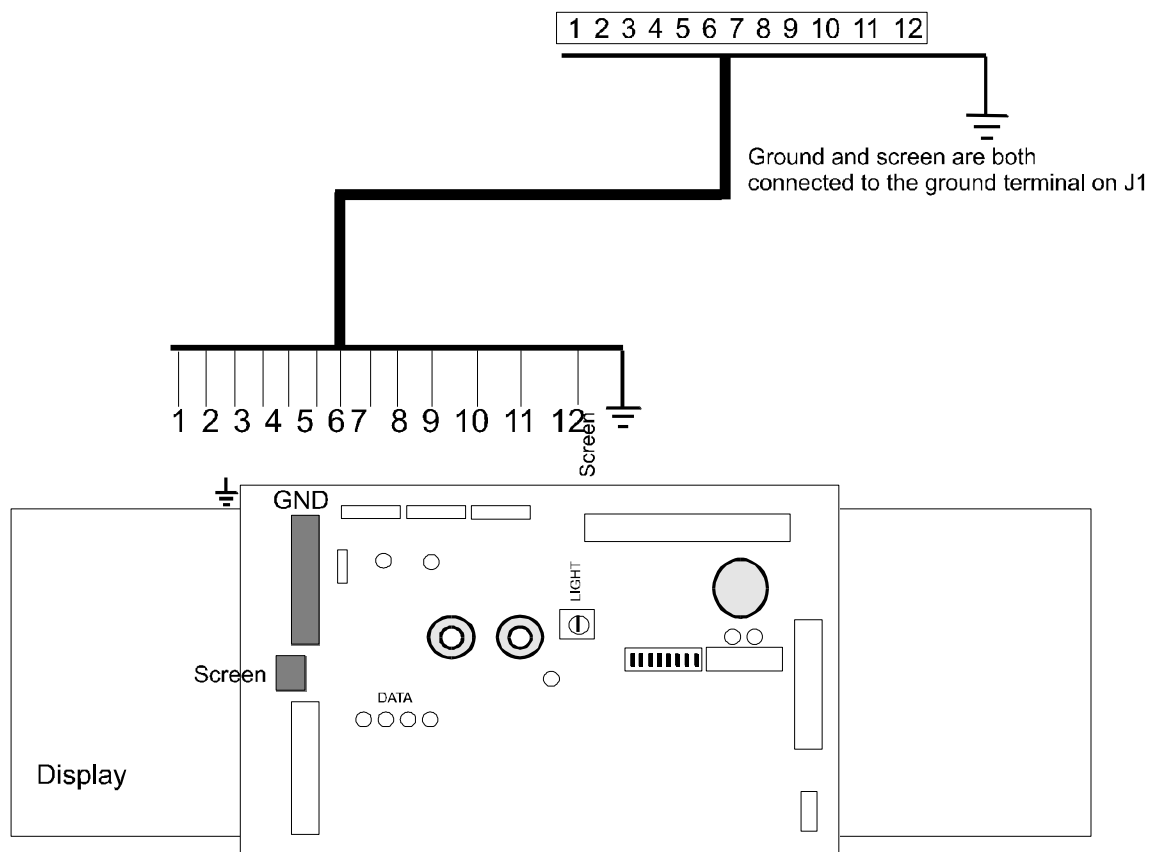
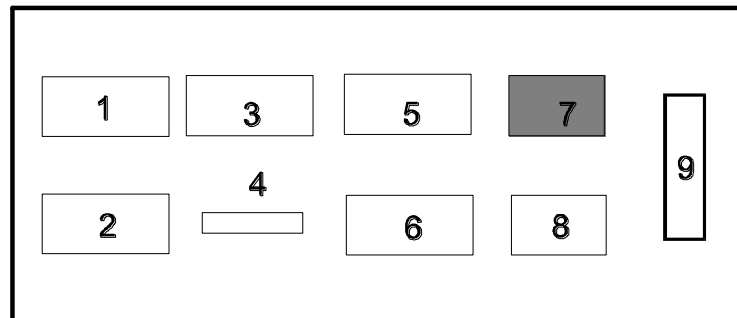
Cable between yellow box and keyboard on control console

Front of yellow box

Cable 3 - LT1006 - 13x1.0[®] + earth, screened – NOT provided in kit

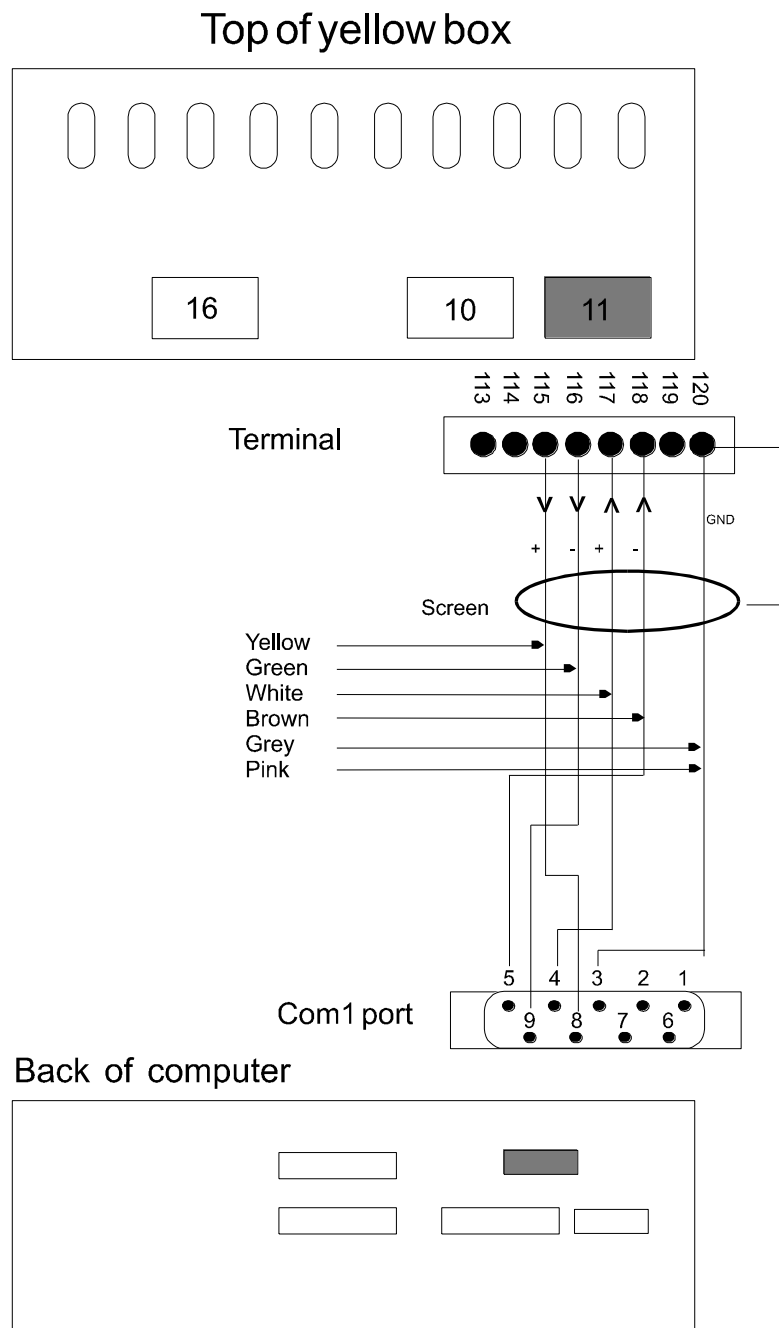
Cable between yellow box and Display Console

Front of yellow box

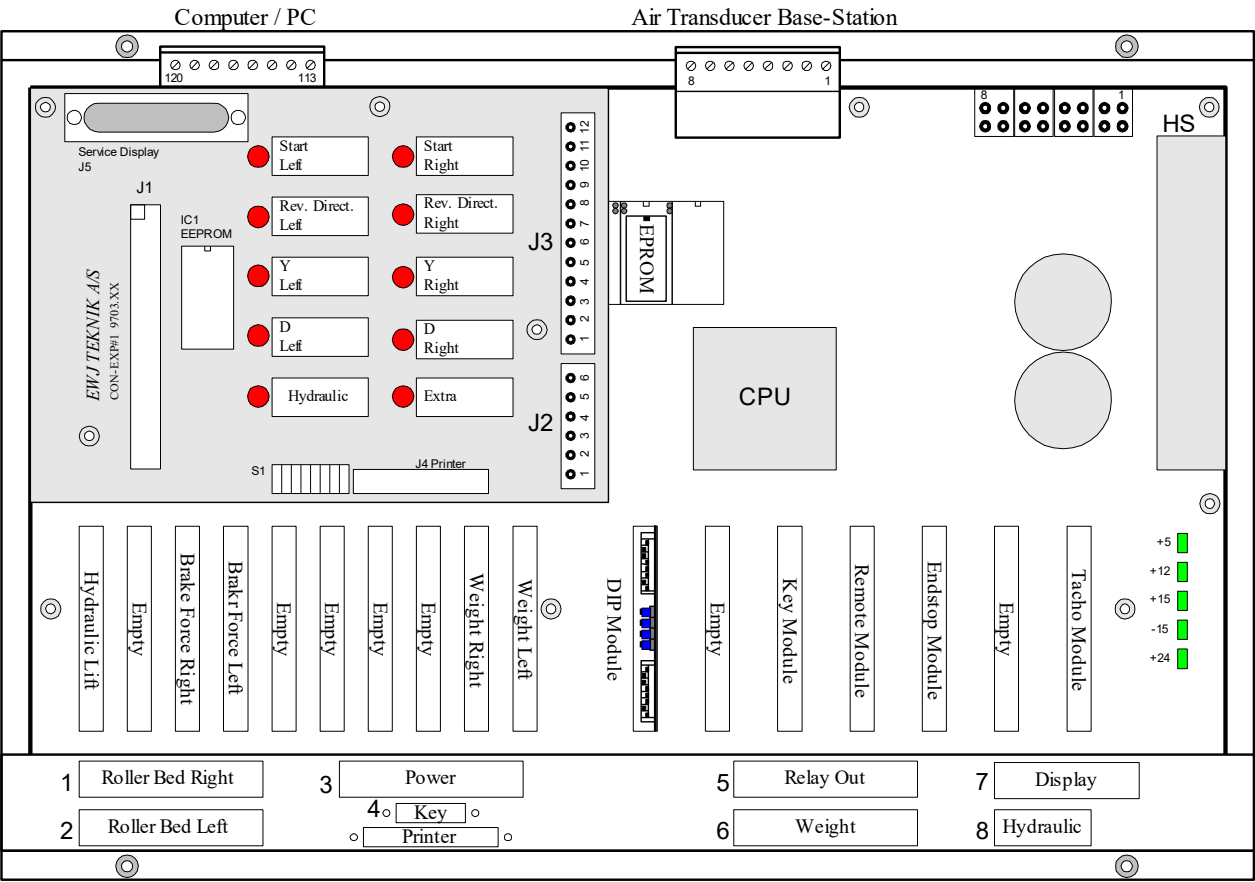


Cable 11 - LT1007 - 3x2xo.14[©] (pair twisted???) screened – NOT provided in kit.

Data cable between yellow box and PC

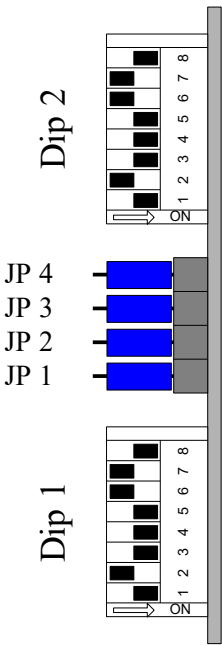


Yellow Box Overview.



DIP Switch Module (placed in lower centre of the the yellow box).

Dip Switch and Jumper settings(The shown setting is not a specific setting):



- DIP1
- 1 ON Commercial vehicle control
OFF Class IV - VII control
 - 2 ON 8 / 4000 kgf scale
OFF 6 / 3000 kgf scale
 - 3 ON Automatic change of range
OFF Set range
 - 4
 - 5
 - 6 No function
 - 7 No function
 - 8 No function

Table 1: Reduction of speed before stop

	12%	16%	20%	24%
4	OFF	ON	OFF	ON
5	OFF	OFF	ON	ON

DIP2

Table 2: Delay at start

	1 sec	2 sec	3 sec	4 SEC
1	OFF	ON	OFF	ON
2	OFF	OFF	ON	ON

Table 3: Delay between left and right motor

	0.1 sec	1 sec	2.1 sec	3 SEC
3	OFF	ON	OFF	ON
4	OFF	OFF	ON	ON

Table 4: Y - D coupling

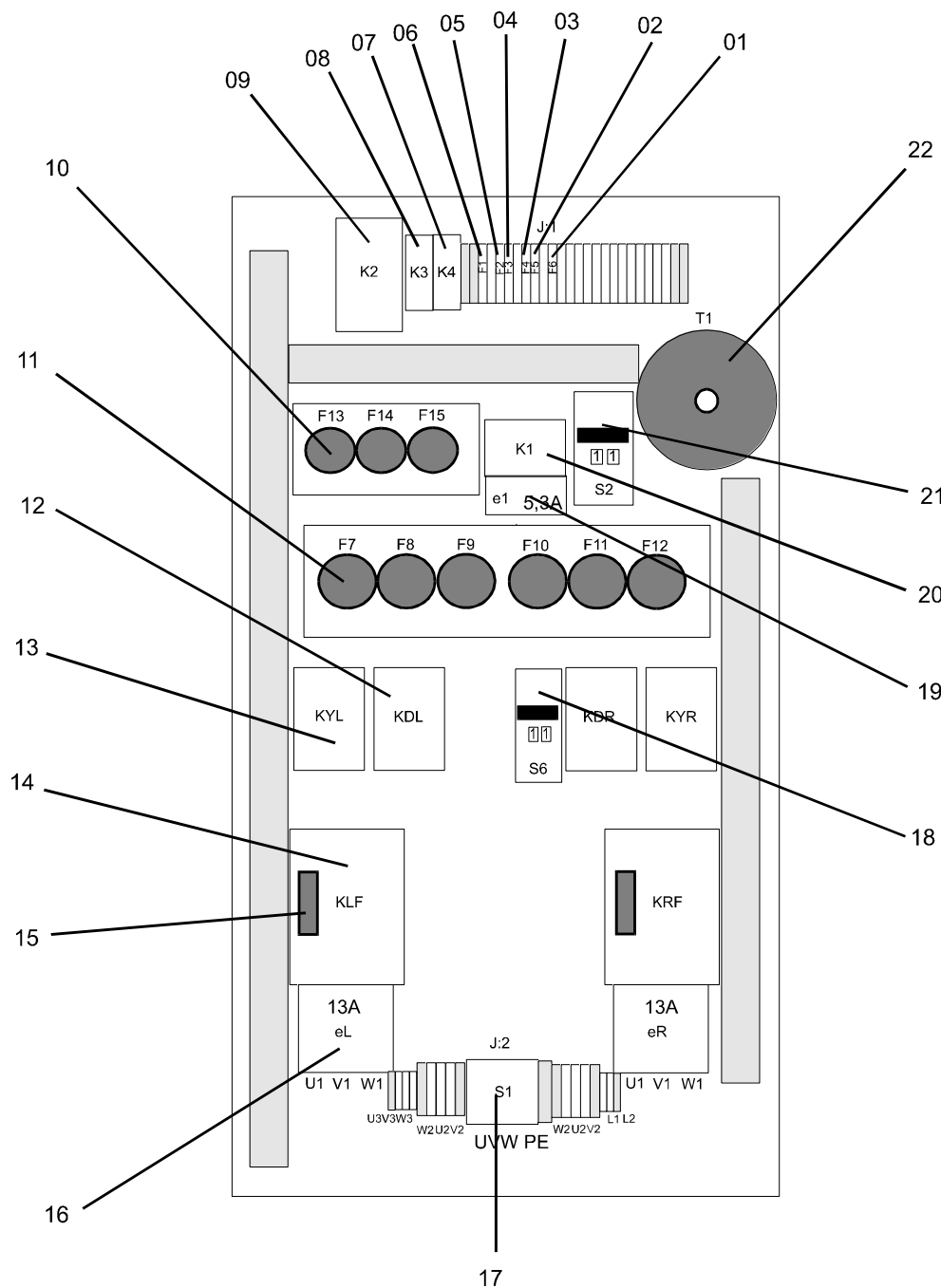
	2 sec	3 sec	5 sec	6 SEC
5	OFF	ON	OFF	ON
6	OFF	OFF	ON	ON

- 7 No function
- 8 ON Show "ready" display

Jumpers (between DIP1 and DIP2)

- JP1 ON Control with 4WD contactor
OFF Control without 4WD contactor
- JP2 ON Speed sensor on gearbox
OFF No double speed sensors
- JP3 ON Roller unit with lift
OFF Roller unit without lift
- JP4 ON Roller unit 92200 / 92330
OFF Roller unit 92500

High Voltage Unit in Control Console.



For description see next page.

Spare parts list for 92200/92330/92500 High Voltage Unit.

No.	Item no.	Description
01	FG1005	Fuse 5x20 T-3,15A
02	FG1008	Fuse, glass 5x20 T-6,3A
03	FG1008	Fuse, glass 5x20 T-6,3A
04	FG1008	Fuse, glass 5x20 T-6,3A
05	FG1008	Fuse, glass 5x20 T-6,3A
06	FG1003	Fuse, glass 5x20 T-0,5A
07	RS1011	Relay SGR282Z
08	RS1011	Relay SGR282Z
09	RN1000	Emergency stop relay
10	FD1008	Fuse 16A
11	FD1012	Fuse 63A
12	RK3025	Contactor CL25
13	RK3002	Contactor CL02
14	RK3045	Contactor CL45
15	RH3001	Switch BCLF01
16	RT3012	Thermal relay 10-16A
17	BH1023	Supply separator
18	FA1012	Automatic fuse 2P 2A - C
19	RT3004	Thermal relay
20	RK3050	Contactor 9A
21	FA1014	Automatic fuse 2P 4A - D
22	TR2010	Transformer
23	KV1000	Pointer Red
24	KV1001	Pointer, Black
25	KF1013	Red acrylic glass 565x165
26	KM1028	Frame complete with glass
27	KF1022	Clear acrylic glass 565x
28	RES9368	Display print LED display
29	UL1005	Lens Green
30	UL1004	Lens Red
31	UE1000	Bulb 30V
32	UF1000	Socket white
33	UE1007	Bulb 10mm yellow
34	UL1003	Lens yellow
36	AM5002	IR receiver
37	RES9372	Decoder print
38	XG1050	Pointer gear complete
39	RES9375	Driver print
40	XL9005	Chain, duplex
41	XL1065	Bearing SY65
42	MÅ1017	Motor 11kW
43	TBH3002	Transducer, brake force
44	DB1027	Rectifier for brake
45	XL1040	Bearing SY40
46	XL1055	Bearing SY55
47	XS4001	Gas cylinder
48	XV1107	Third roller complete
49	XV1020	Roller complete
50	TBH2010	Proximity sensor
60	EWJ3520	Remote control (lift)
61	EWJ5004	Yellow box
69	EWJ7050-7054	Air pressure transducer radio
70	RES9602	RS485 communication print