

■ USER MANUAL

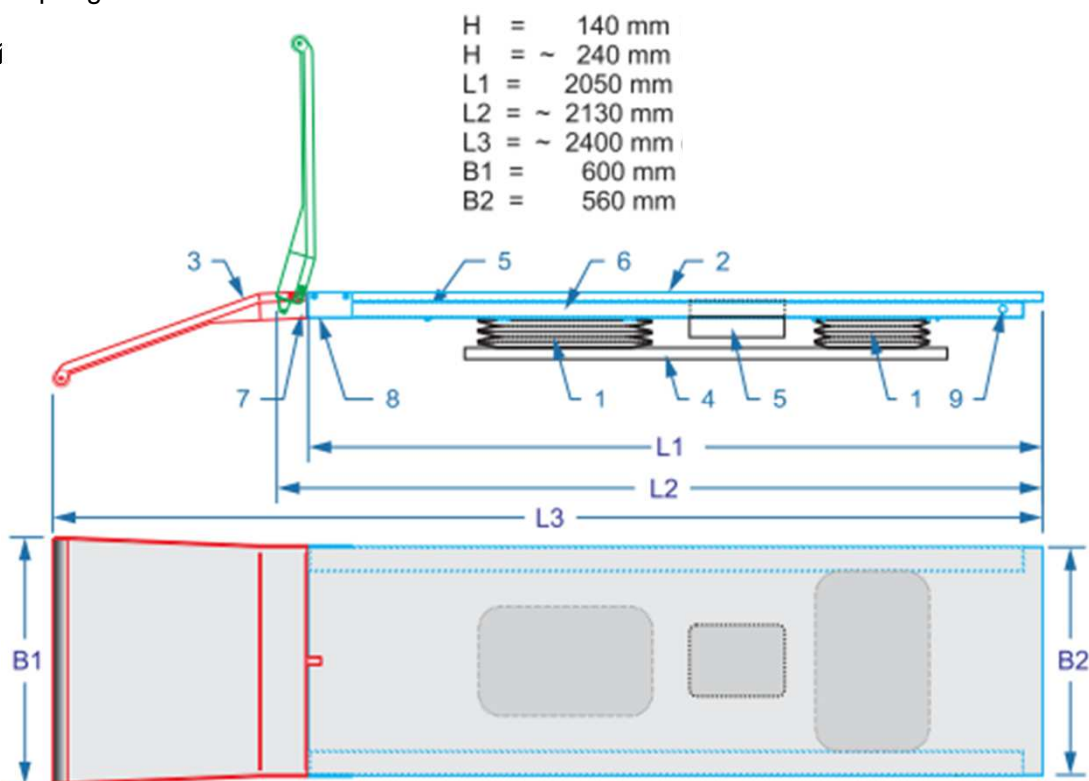


1) General Remarks

- It is essential that you and any other operator of this product read and understand the content of this manual before installing and using this product !
- In order to minimize operation errors, this manual must be access able to the staff at all times.
- The DURANBOARD is only to be used as instructed.
- Please refer particularly to the user manual of the transport-stretcher.
- Descriptions do not necessarily depict contents and are not true to scale.
- We take no liability for damages caused by operating errors or incorrect assembly.
- Please pay close attention to the country-related, applicable safety regulations for patient transfer.
- Subject to technical changes.

2) Technical Data

- 1... Pneumatic suspensions with automatic weight adjustment from 40-250 kg and hydraulic shock absorber. Stroke distance 95 mm.
- 2... tailgate with cylindrical roller
- 3... Loading flap
- 4... Switch box, contains:
 - a) compressor 12V DC, 16A with check valve and integrated thermal overload protector.
 - b) relay 12V DC
 - c) magnetic valves 12V DC
 - d) terminal block
 - e) noise insulation
- 5... Air pressure tank (4 liters) with pressure switch
- 6... Stretcher mounting
- 7... Base frame
- 8... Gas spring
- 9... Mai



2) Technical Data

- General-purpose system for assembly of various transport-stretchers (e.g. Stryker, Stollenwerk, Ferno aso.) combined with the stretcher's fastening system.
- System height: 140 mm (lowered)
250 mm operating height
- The total height varies depending on vehicle specifications
- Total length including closed loading ramp 2130mm
- Total weight approx. 80kg
- Maximum loading capacity approx. 400kg (incl. stretcher)
- Ignition AND main switch ON: Device ready
Ignition OR main switch OFF: Device lowered (eg. for reanimation)
- Electric connection: brown = ground (wire no. 31)
red = positive (wire no. 15)
- Current demand max. 20A at 12 Volt DC
- Control circuit fused 5A

3) Disinfection, Cleaning and Maintenance

- Disinfection and cleaning of the DURANBOARD are to be performed according to the regulations of the respective country.
- The DURANBOARD does not require further maintenance. In case of faults or queries, please consult our hotline.
- For complete please refer to repair instructions to download under: www.duranboard.com

4) Starting Up

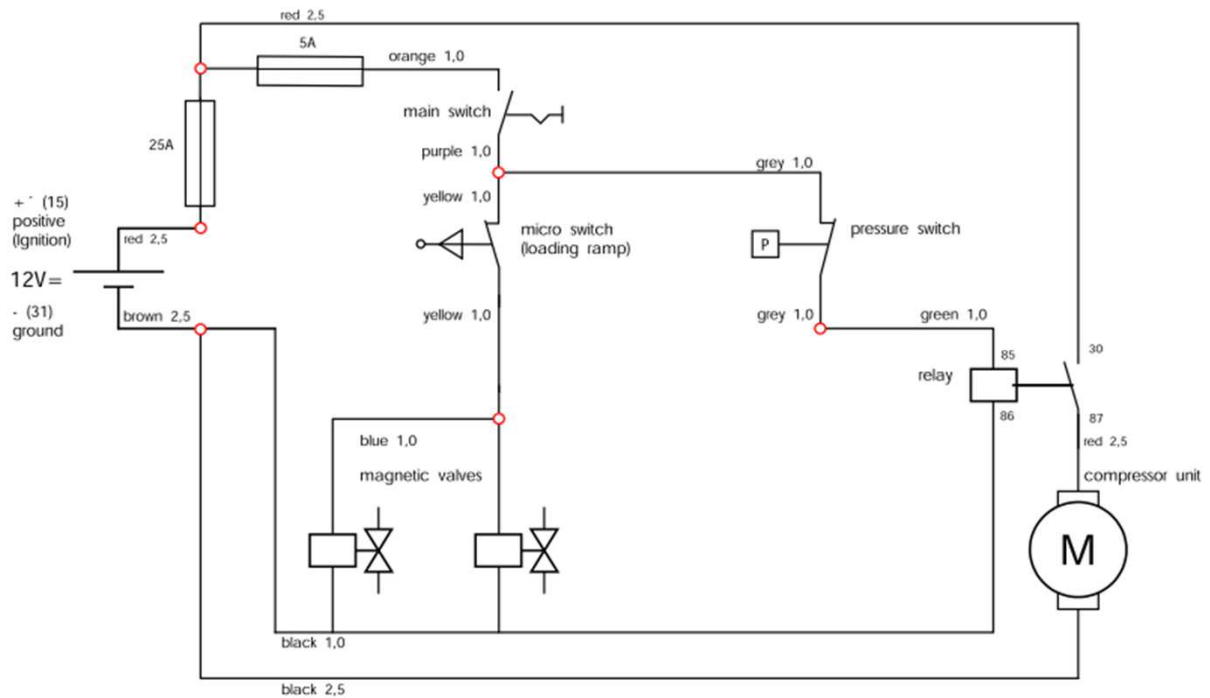
- After successful assembly and electric connection, start ignition of vehicle and turn on the main switch (9).
- The compressor will fill the air supply tank (5) to approx. 8,2 bar within about 2 minutes and the DURANBOARD is ready.
- The DURANBOARD works automatically - when the air pressure has lowered to approx. 7,5 bar, the compressor starts automatically for approx. 15 seconds again. This allows constant operating pressure.
- By opening the loading ramp (2) and/or turning off the ignition, the DURANBOARD is automatically lowered to allow an easy and energy-efficient loading and unloading.
- For correct loading and unloading please refer to the instructions of the (transport-) stretcher.
- Pay attention to the correct locking of the (transport-) stretcher on the DURANBOARD.
- For reanimation, the main switch (9) is to be turned off, the DURANBOARD will lower immediately.

ATTENTION!

As a precaution, the stretcher should always be held when opening the loading ramp !!



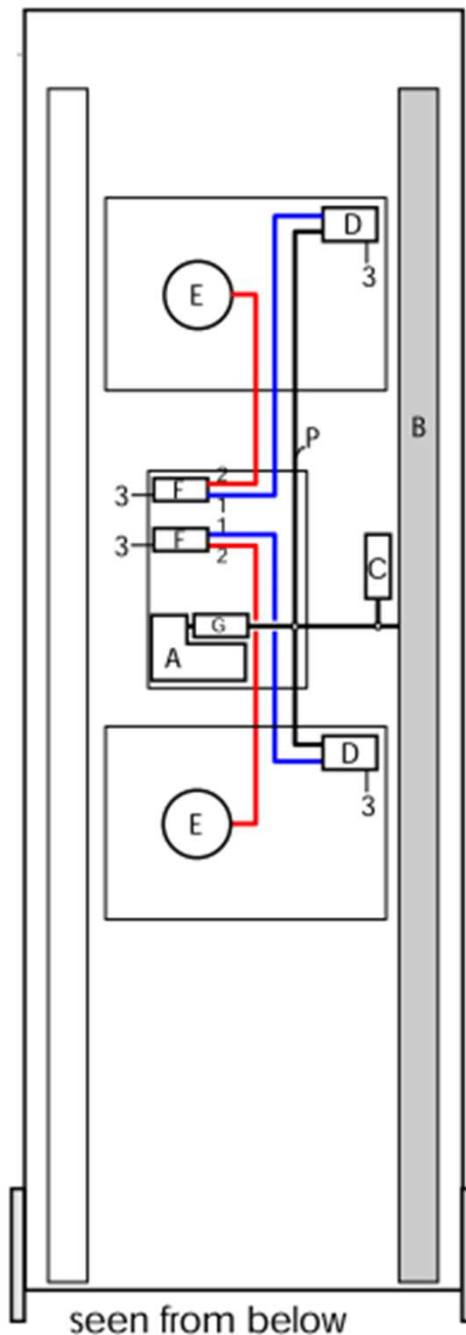
5) Circuit Diagram



6) Connection Layout

target	colour	cross-section	target	colour	cross-section
micro switch	yellow	1,0	magnetic valve	blue	1,0
check valve	blue	1,0	magnetic valve	blue	1,0
micro switch	yellow	1,0	relay (85)	green	1,0
check valve	black	1,0	pressure switch	grey	1,0
jumper			pressure switch	grey	1,0
jumper			main switch	purple	1,0
relay (86)	black	1,0	magnetic valve	black	1,0
main switch	orange	1,0	magnetic valve	black	1,0
compressor	red	2,5	compressor	black	2,5
relay (87)	red	2,5	ground	brown	2,5
relay (30)	red	2,5	fuse 5A	red	1,0
			fuse 5A	red	1,0
			positive 25A	red	2,5

7) Pneumatic Connection



tube colours

Red = working circuit
 Blue = inter-valve-circuit
 Black = supply circuit

Parts

A... compressor
 B... air supply tank
 C... pressure switch
 D... level control valve
 E... air cushion
 F... magnetic valve
 G... check valve

P ... pressure supply
 1... magnetic valve > supply
 2... magnetic valve > working press.
 3... air release

8) Spare Parts



30205
compressor set



30063
pressure switch, pre-finished



30054
magnetic valve, pre-finished



30053
lock valve, pre-finished



30291
control valve



30054
connection valve



30263
main switch



30251 fuse holder
30252 blade-type fuse 25A
30253 blade-type fuse 5A



30520
relay

8) Spare Parts



30700
swiveling system



30311
air cushion



30053
vibration damper



30110
gas compression spring



30054
brass connector



30342
cable gland



30343
fence jack



50150
extension carrier

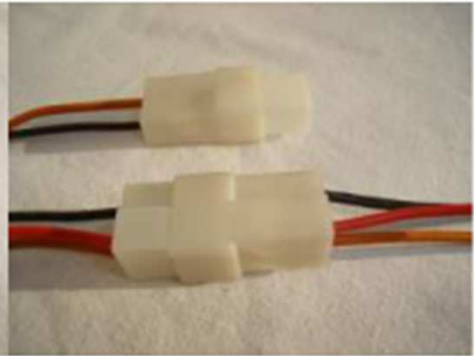
8) Spare Parts



30220
noise insulation box



30140
rubber buffer



30500
connector 2 wires



30170
terminal block



30150
wire protective tube



30350 plug 30 x 30
30361 plug 60 x 40



30240 pressure hose red
30241 pressure hose blue
30242 pressure hose black



30243 thermal protective tube