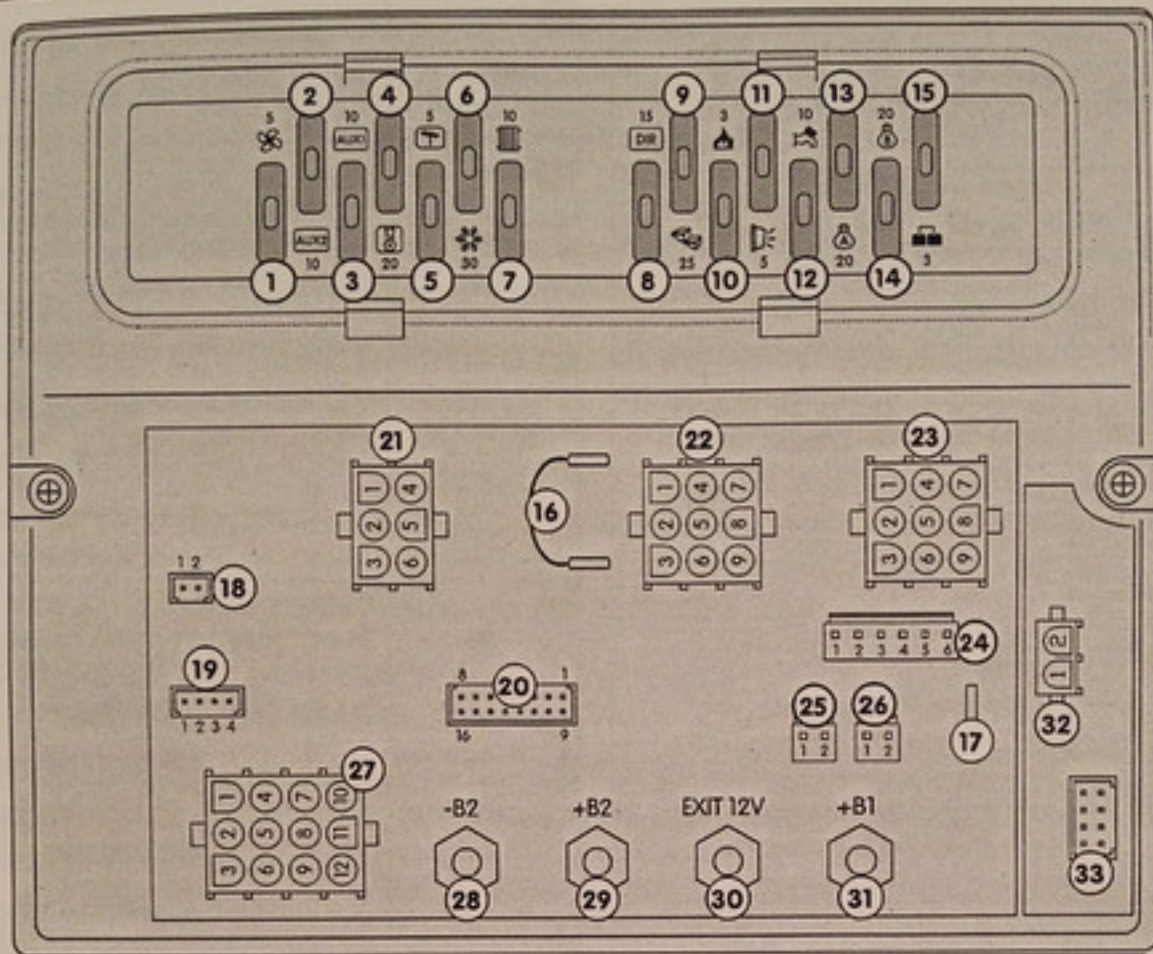


# DISTRIBUTION BOX "DS-520RA"



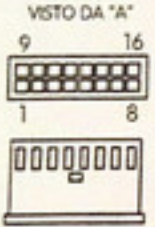
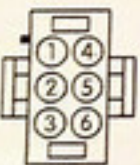
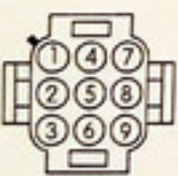
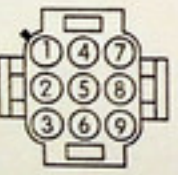
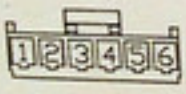




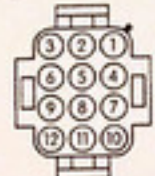






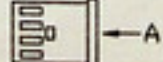
- 1) 5A fuse to give power to the fan exit, it depends on the main switch.
- 2) 10A fuse to give power to the AUX2 auxiliary exit, it depends on the main switch.
- 3) 10A fuse to give power to the AUX1 auxiliary exit, it depends on the main switch.
- 4) 20A fuse to give power to 12V sockets, it depends on the main switch.
- 5) 5A fuse to give power to TV antenna exit, it depends on the main switch.
- 6) 30A fuse to give power to 12V AES and 3-way fridge. The 3-way fridge turns off automatically when engine is off.
- 7) 10A fuse to give power to water heater / boiler, it depends on main switch.
- 8) 15A fuse to give power to direct exit (DIR), it is connected directly to leisure battery (B2).
- 9) 25A fuse to give power to the motorized step, it is connected directly to the leisure battery (B2).
- 10) 3A fuse to give power to spark ignitions (fridge, oven) and gas valve, it is connected directly to the leisure battery (B2).
- 11) 5A fuse to give power to the awning light, it depends on the main switch and turns automatically off when engine is on.
- 12) 10A fuse to give power to water pump and toilet, it depends on main switch.
- 13) 20A fuse to give power to lights group "A", it depends on lights main switch.
- 14) 20A fuse to give power to lights group "B", it depends on lights main switch.
- 15) 3A fuse to protect the OUT D+ simulated exit.
- 16) AES fridge connection; It is a bridge, which excludes the 3 way function fridge and is used to connect the AES fridge directly to the B2.
- 17) Output + for the control of the auxiliary relays (e.g. motorized step, AES fridge, electric water discharge valve, electric antenna motor, etc.) which works only when the engine is started.



# CONNECTIONS

FUNCTION  
CAR BATT

<b>18 BLACK</b> 	<b>WASTE WATER TANK</b> To be connected to the waste water screw probe.
<b>19 BLACK</b> 	<b>DRINK WATER TANK</b> To be connected to the drink water electronic probe.
<b>20 BLACK</b> VISTO DA "A"  ↑ A	<b>CONTROL PANEL</b> To be connected to the 16 pole connector of the control panel.
<b>21 WHITE</b> 	<b>USERS</b> 1) + exit AUX1 direct 2) + exit AUX2 direct 3) + exit fan 4-5) + exit 12V sockets 6) + exit electric antenna
<b>22 RED</b> 	<b>USERS</b> 1) + exit AUX-D 2-3) + exit 3-way fridge / AES 4) + exit motorized step 5-6-8-9) + exit gas ignition (fridge, kitchen, boiler's valve, etc.)
<b>23 WHITE</b> 	<b>USERS</b> 1) + exit stove / boiler 2) + exit water pump 3) + exit awning light 4-5-6) + exit lights group "A" 7-8-9) + exit lights group "B"
<b>24 WHITE</b> 	<b>AWNING LIGHT</b> 1) masse 2) + exit awning light direct 3) + exit awning light 4-5-6) OUT D+

<b>25 RED</b> 	<b>SIGNALS</b> 1) not connected 2) engine ignition
<b>26 WHITE</b> 	<b>SIGNALS</b> 1) net signal from CBE battery charger 2) not connected
<b>27 WHITE</b> 	<b>MASSES</b> Masses to be connected to the users' negative pole.
<b>28</b> -B2 	<b>MASSE</b> To be connected to the negative pole of the leisure battery (B <sup>n</sup> ) or to the vehicle's chassis.
<b>29</b> +B2 	<b>LEISURE BATTERY</b> To be connected to the negative pole of the leisure battery.
<b>30</b> EXIT 12V 	<b>EXIT 12V</b> To be connected to the plus pole (battery charger, solar regulator).
<b>31</b> +B1 	<b>CAR BATTERY</b> To be connected to the positive pole of the car battery.
<b>32 WHITE</b> 	<b>AUX</b> 1) + exit AUX2 (max 5A) 2) + exit AUX1 (max 5A)
<b>33 BLACK</b> VISTO DA "A"   ← A	<b>CONTROL PANEL</b> To be connected to the 8 pole connector of the control panel.