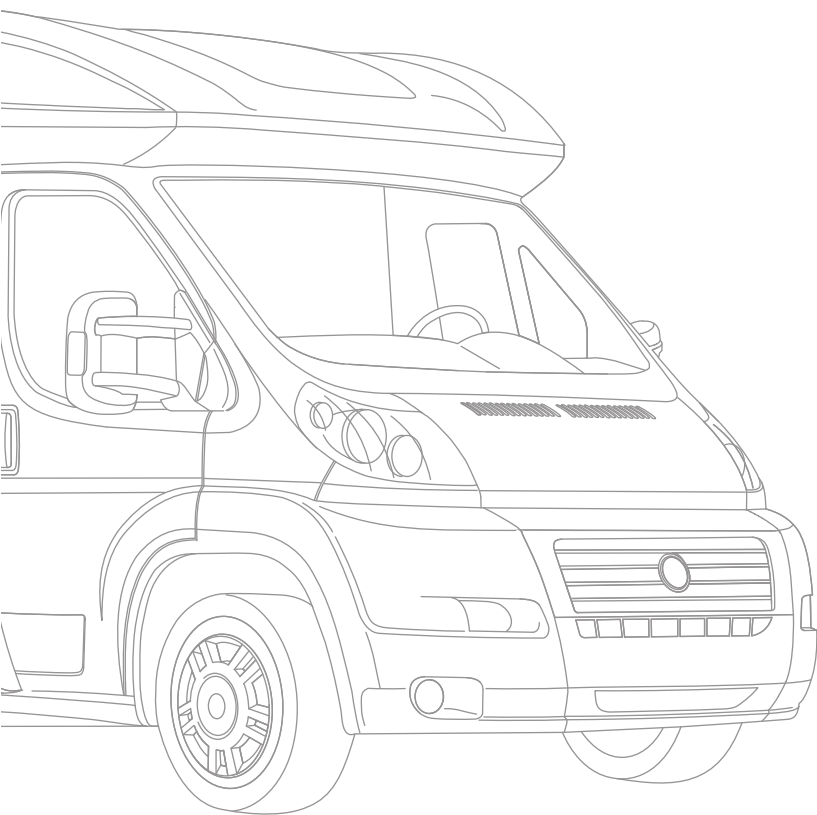


ADDENDUM USE AND MAINTENANCE MANUAL



General information

1

Safe usage

2

Routine checking

3

Changing gas cylinders

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Leaks

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Fire

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Electrical diagrams and drawings

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General information

1

- *GENERAL INFORMATION3*

General information

GENERAL INFORMATION

Propane and butane are stored in cylinders as liquids under pressure. When the pressure is released, i.e. when the cylinder valve is opened, the liquid boils and gas is evolved. Both gases are heavier than air and any leaking gas will tend to collect at a low level. The gas has a strong and unpleasant smell which enables leaks to be easily detected. The gas is highly flammable and a small quantity of gas in air can form an explosive mixture. Cylinders shall be used and stored always in a vertical position with the valve uppermost.

VEHICLES SPECIFICATION

MODEL	LENGTH	WIDTH	HEIGHT	MAX GROSS WEIGHT	MASS IN RUNNING ORDER	USER PAYLOAD	CONVENTIONAL LOAD	MASS OF THE PERSONAL EFFECTS PAYLOAD	HOMOLOGATED SEATS
		(excluded mirrors)							
	m.	m.	m.	KG	KG	KG	KG	KG	
AUTOROLLER 707	7,33	2,35	2,95	3500	2990	510	450	133	6
AUTOROLLER 746	7,35	2,35	3,2	3500	3075	425	375	124	5
AUTOROLLER 747	7,35	2,35	2,95	3500	2990	510	450	134	6
PEGASO 740	7,41	2,35	2,95	3500	3160	340	300	114	4
T-LINE 590	5,99	2,35	2,95	3500	2800	700	300	100	4
T-LINE 740	7,43	2,35	3	3500	3160	340	300	114	4
T-LINE 785	7,43	2,35	2,95	3500	3075	425	375	124	5
ZEFIRO 675	6,87	2,35	3,2	3500	2990	510	450	129	6
ZEFIRO 685	7,45	2,35	2,95	3500	3070	430	375	125	5
ZEFIRO 690	7,12	2,35	3,2	3500	2990	510	450	131	6
ZEFIRO 696	7,45	2,35	2,95	3500	3070	430	375	125	5

-
- *SAFE USAGE OF GAS SYSTEM5*

Safe usage

2

Safe usage

SAFE USAGE OF GAS SYSTEM

To avoid accidents the following fundamental advice should be carefully read before using gas appliances or changing gas cylinders.

Always read and follow the user and maintenance instructions provided the manufacturers of gas equipment. Should any soot accumulate on pans, fire radiants, etc. or any smell be produced, consult a competent installer on the correct maintenance and adjustment of burners.

Never check for gas leaks with a naked flame.

Always turn off the gas cylinder valve(s) or inlet to the caravan or other dwelling when gas appliances are not in use.

Never use gas appliances without adequate ventilation. All gas appliances require a plentiful supply of fresh air for correct operation. Fixed ventilators or air inlets should not be stopped up. Where practicable, turn off all appliances before retiring to bed, preferably at the cylinder or inlet to the caravan or other dwelling.

Unless the appliance incorporates automatic ignition, when lighting an appliance always make sure you apply a lighted match or taper to the burner before turning on the gas.

If an appliance is disconnected for repair, maintenance, etc. ensure that the gas line is capped off.

If taps are stiff to operate or appear to be a source of leakage, call in a competent installer to rectify. LPG taps require a special grease.

Always seek advice when in doubt.

-
- ROUTINE CHECKING 7

Routine checking

3

Routine checking

ROUTINE CHECKING

Flexible hoses and tubing should be regularly inspected and replaced when signs of cracking or other deterioration appears. After replacement ensure that the ends are well secured and leak tight.

Check the complete gas installation on a mobile caravan for soundness at least once per annum and as necessary according to usage.

All flue installations should be inspected, at least once a year, throughout their length for integrity of attachment, both to appliance and cowl, and for perforation due to damage or corrosion. Flues should be replaced if any sign of damage or perforation is found. It should be ensured that the replacement is of an approved type conforming to the recommendations of BS 5440-1.

Permanent ventilators in the living apartments and in the cylinder storage area should be checked to ensure that they are not obstructed.

-
- *CHANGING GAS CYLINDERS.....9*

Changing gas cylinders

4

Changing gas cylinders

CHANGING GAS CYLINDERS

The following procedure should be adopted

Extinguish any fire, flame or source of ignition (including cigarettes, pipes and pilot lights) before changing gas cylinders.

Wherever possible change gas cylinders in the open air.

Ensure that the gas cylinder valve(s) is/are closed before disconnecting any empty cylinder or before removing the plastics cap or plug on the outlet connection of the replacement cylinder. (Note. Left hand thread.)

Make firm gas-tight joints. Any leaking vapour will smell. If a leak is suspected after changing gas cylinders and opening valve, test by brushing with soapy water around the joints. Bubbles will form if vapour is leaking. Never use a naked flame.

Ensure that the replacement gas cylinder is the correct one for the installation.

Gas cylinder valves are of various designs depending on the type of cylinder and the use for which it is intended and it is essential that the correct pressure regulator with the correct pressure setting and capacity for the installation is used in accordance with the manufacturer's instructions.

In the case of a connection on a pressure regulator or gas appliance which relies upon a sealing washer(s) to maintain a gas-tight joint, it is essential to check that the washer is present, is sound and is correctly positioned prior to making the connection. Where the connection relies on a metal to metal seating or bull nose connection to obtain a gas-tight joint it is essential that the mating surfaces are clean and undamaged. In no case should a damaged valve or connection be used.

Where connections are designed to be tightened with a spanner it is essential that a spanner of the correct size is used and that the union is firmly tightened: hand tightness is not sufficient. When self sealing valves are incorporated in a gas cylinder, connections should be made in accordance with the manufacturer's instructions and tools should not be used.

-
- *LEAKS*11

Leaks

5

Leaks

LEAKS

Action to be taken in the event of a suspected leak

If a gas leak is suspected, close the gas cylinder valve or other valve at the inlet to the premises. Do not operate electrical switches. Open all doors and windows to disperse any gas escape.

The strong unpleasant smell of LPG will enable the general area of the leak to be detected. Check that gas is not escaping from an unlit appliance. In the case of a leak, close cylinder valve(s) and call a competent installer to rectify the fault.

If a leaking gas cylinder cannot be stopped, remove the cylinder to a safe place in the open air in an upright position away from drains and any source of ignition.

-
- *FIRE*13



Fire

FIRE

Precautions and action to be taken

A fire extinguisher of adequate size and preferably of the dry powder type should be available.

The initial use of dry powder extinguishers is recommended only if it is likely that the leakage can be stopped by closing the cylinder valve or that the cylinder can be speedily removed.

Cool with water all gas cylinders which cannot be removed.

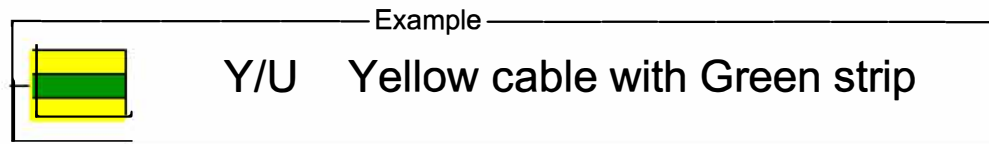
As soon as possible remove cylinders adjacent to the fire to a safe place in order to gain access to the seat of the fire.

-
- *CABLE COLOUR CHART15*
 - *230V CIRCUIT16*
 - *12V CIRCUIT17*
 - *ROAD LIGHTING CIRCUITS ...21*
 - *DRAWINGS..... 25*

Electrical diagrams and drawings

7

Cable Colour Chart



Cable Colour Chart

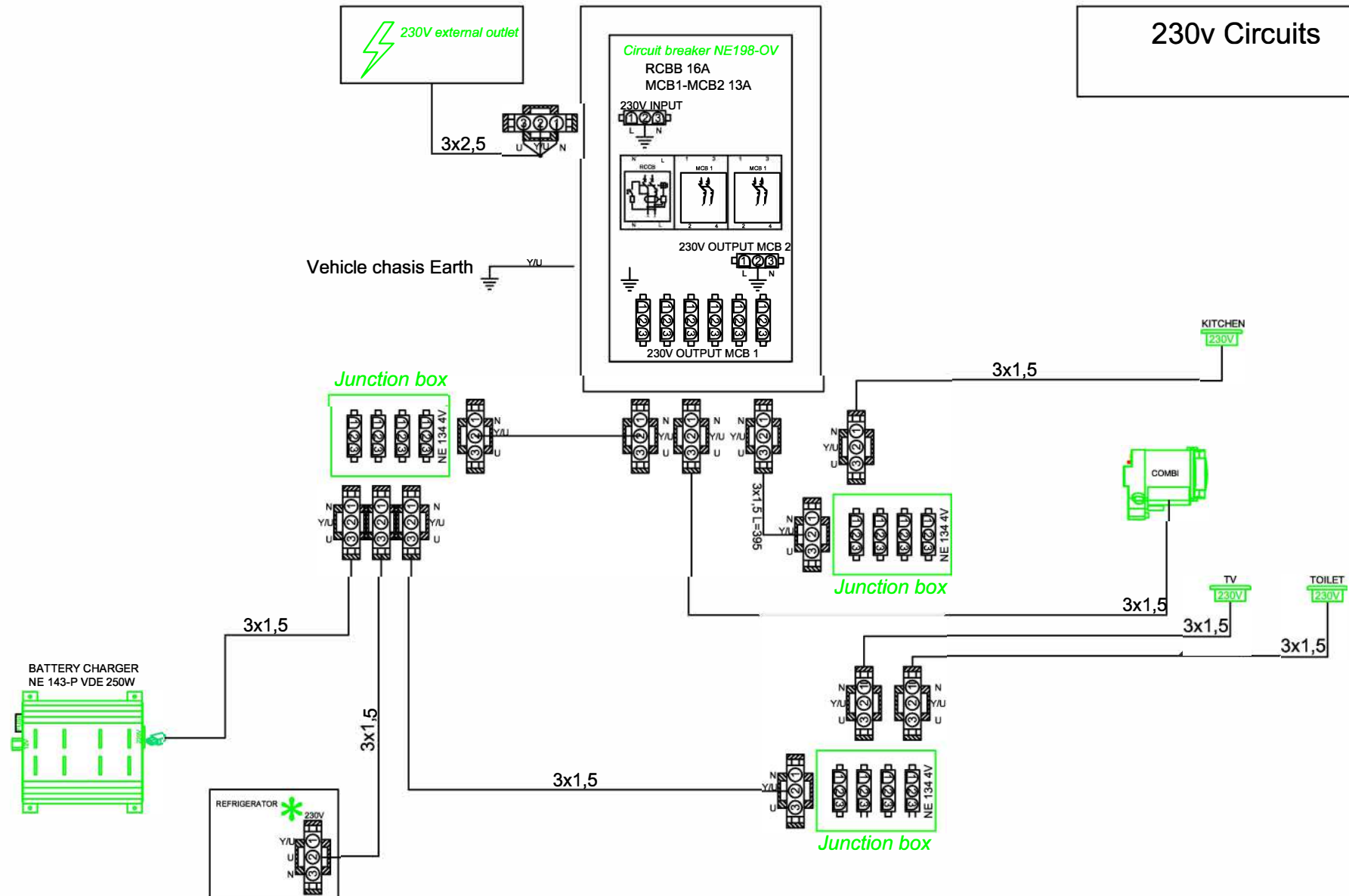
12v Cable Colours

B	BLACK
R	RED
U	BLUE
E	GREY
N	BROWN
O	ORANGE
W	WHITE
P	PURPLE
Y	YELLOW
K	PINK
G	GREEN

230v Cable Colours

N	BROWN
U	BLUE
Y/U	YELLOW-GREEN

230v Circuits

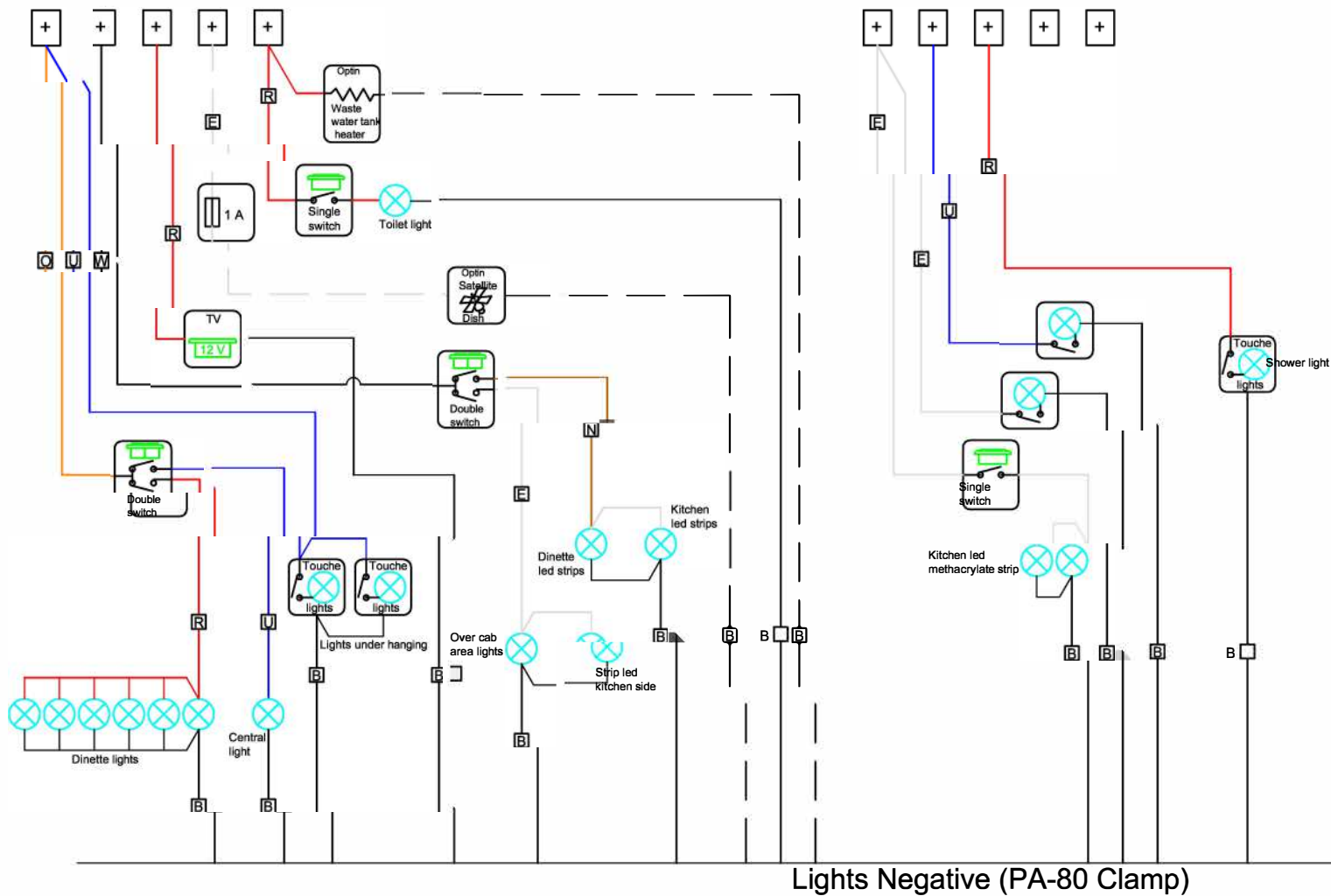


Habitation Light Circuits Fiat

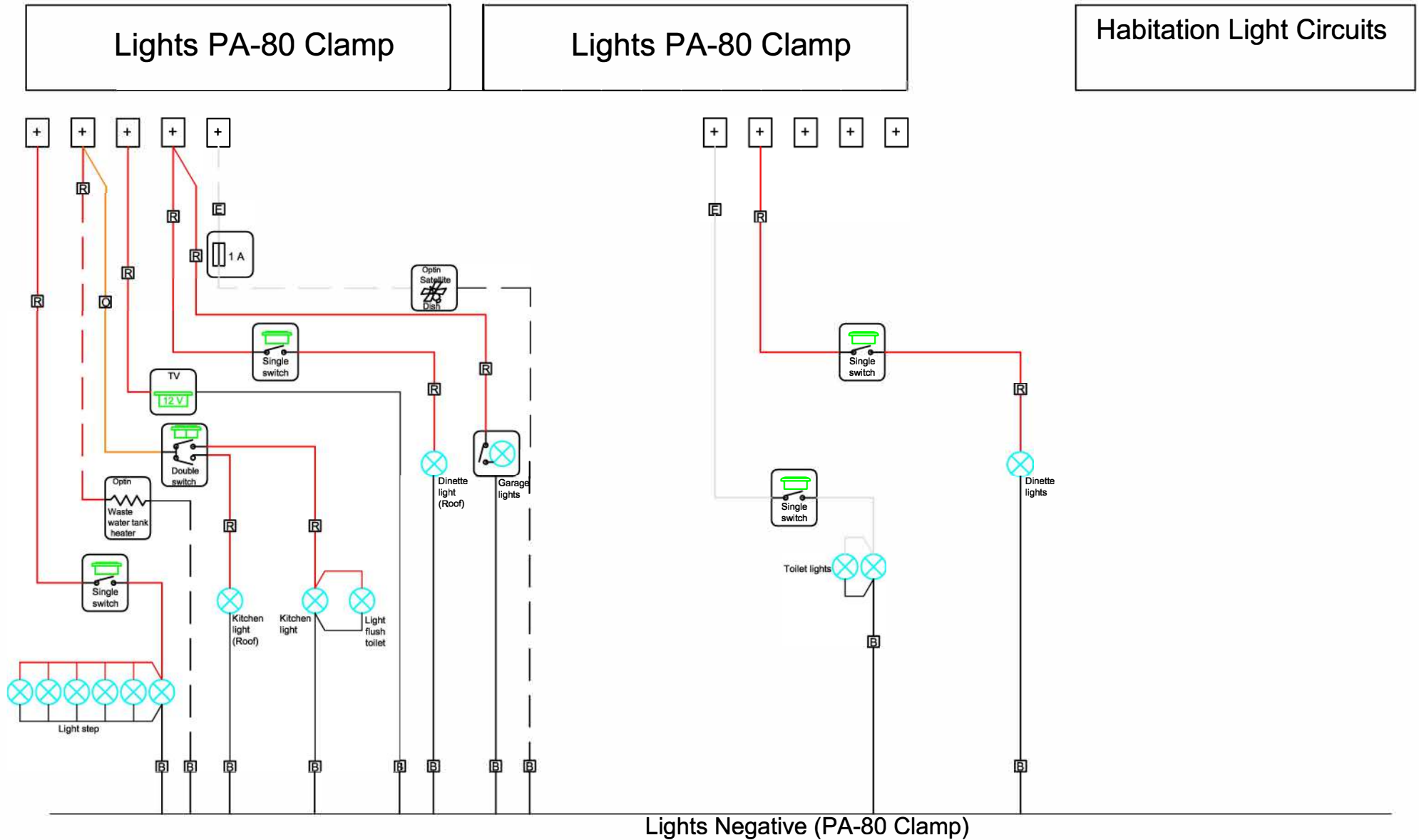
Ligh & PA-80 Clamp

Ligh & PA-80 Clamp

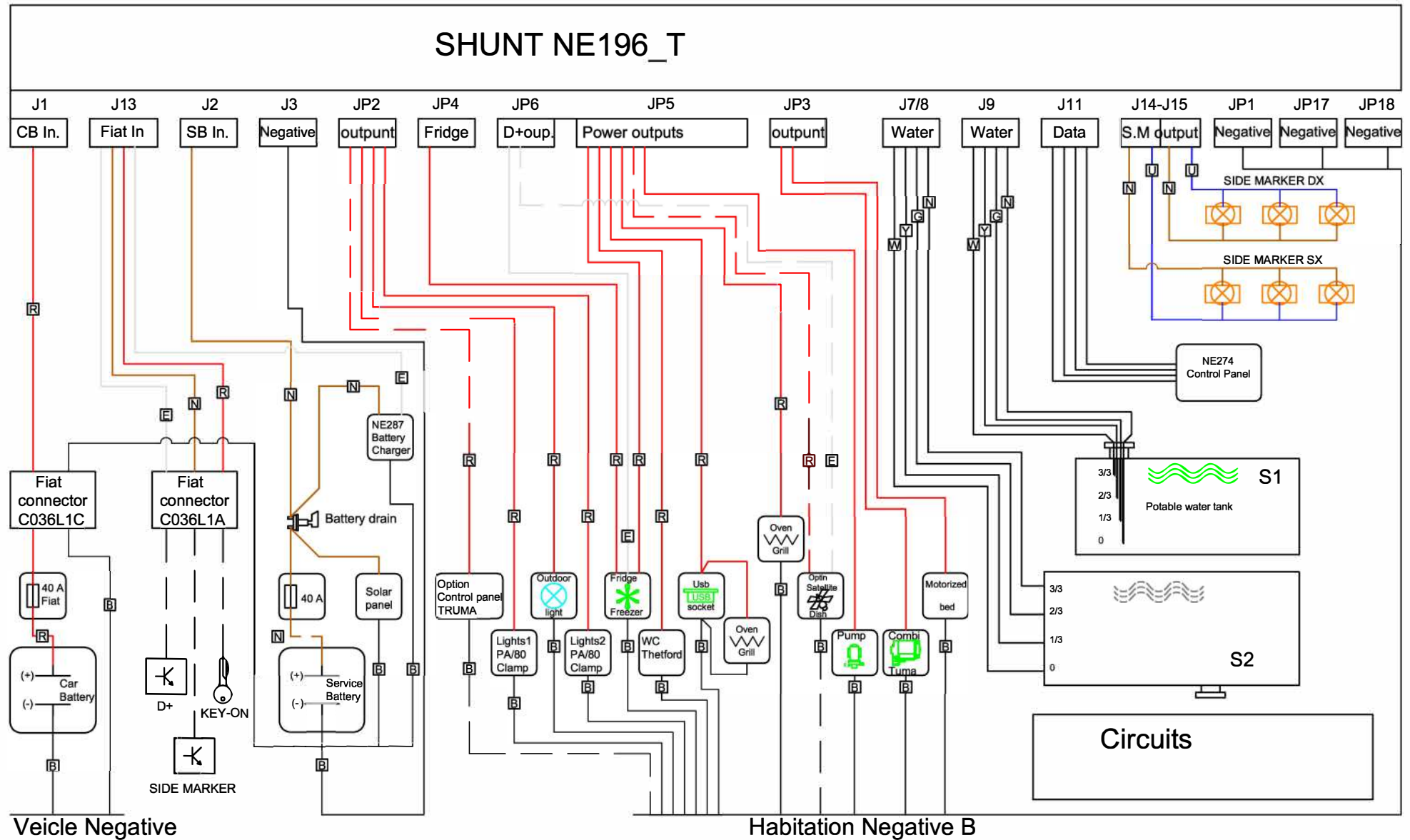
Habitation Light Circuits



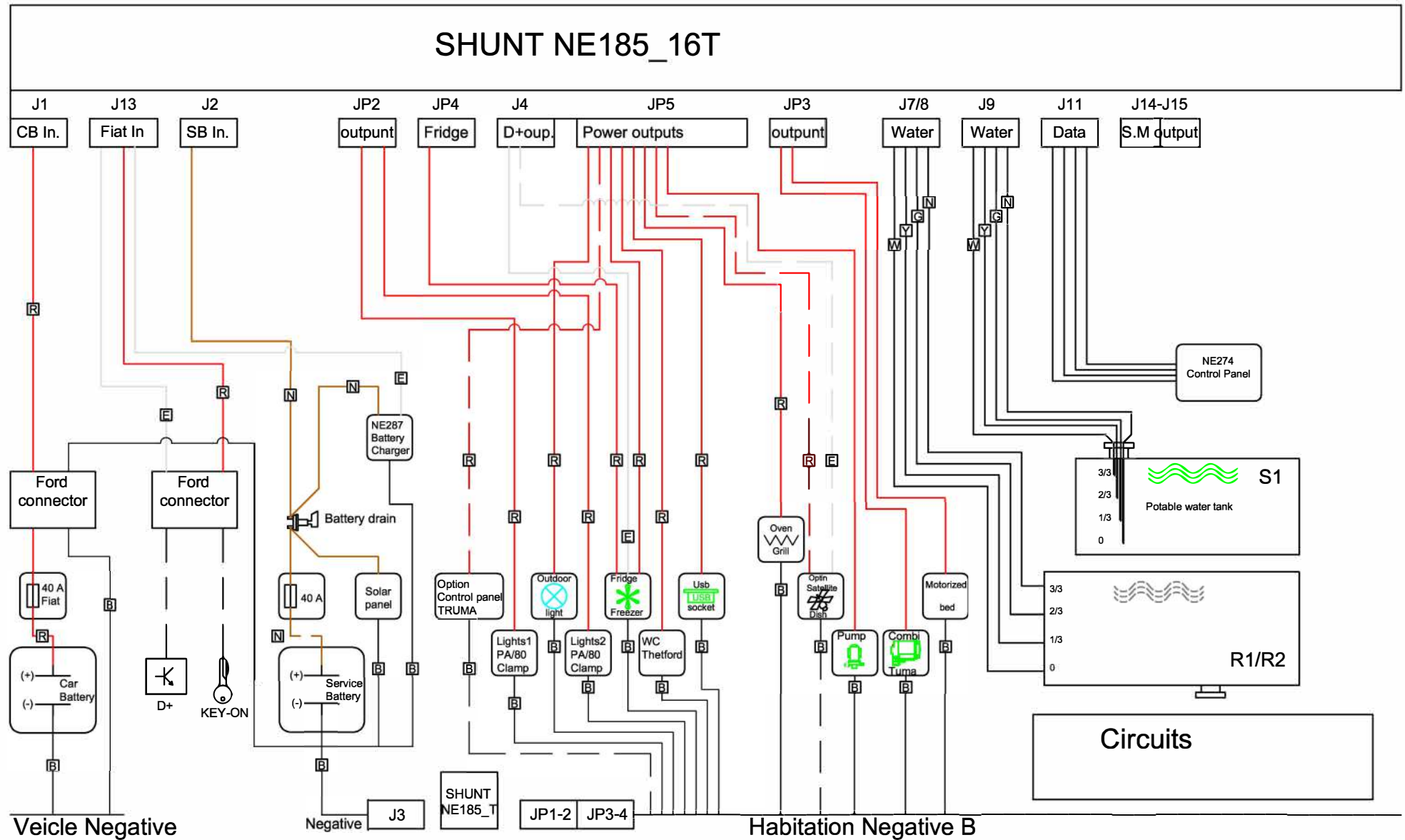
Habitation Light Circuits Ford



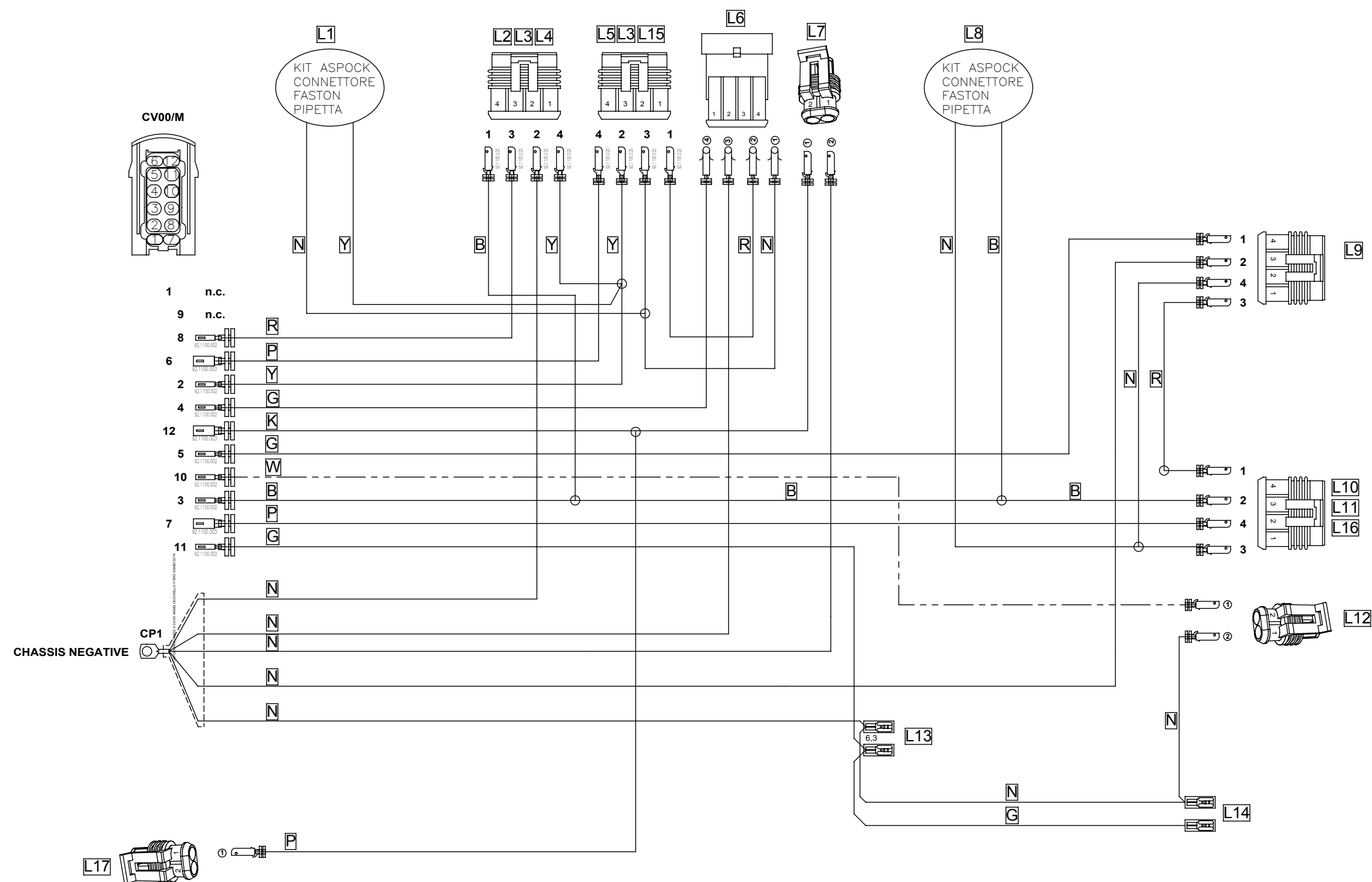
Power Circuits Fiat - Floor Circuits



Power Circuits Ford - Floor Circuits

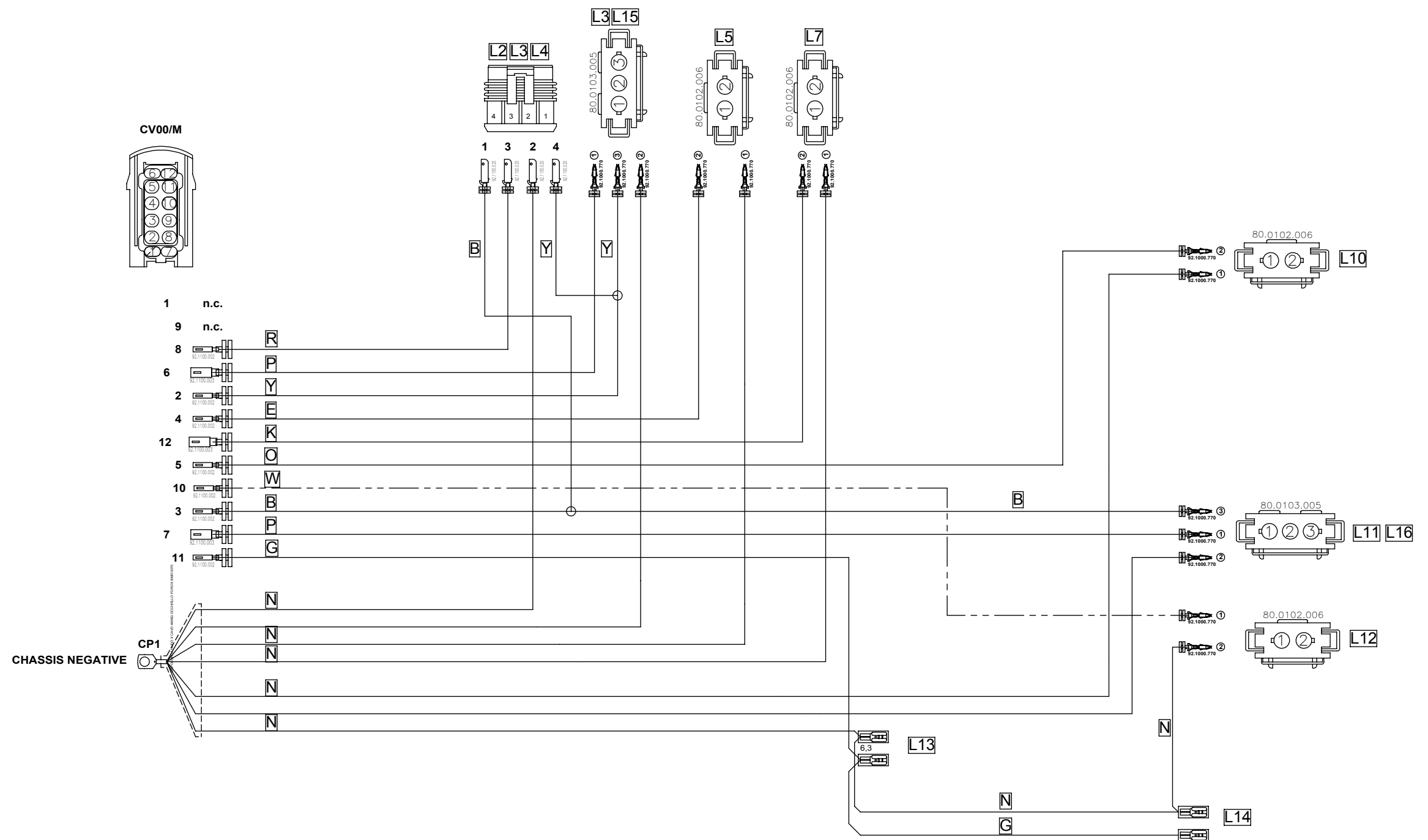


ROAD LIGHTING CIRCUITS - FIAT PEGASO



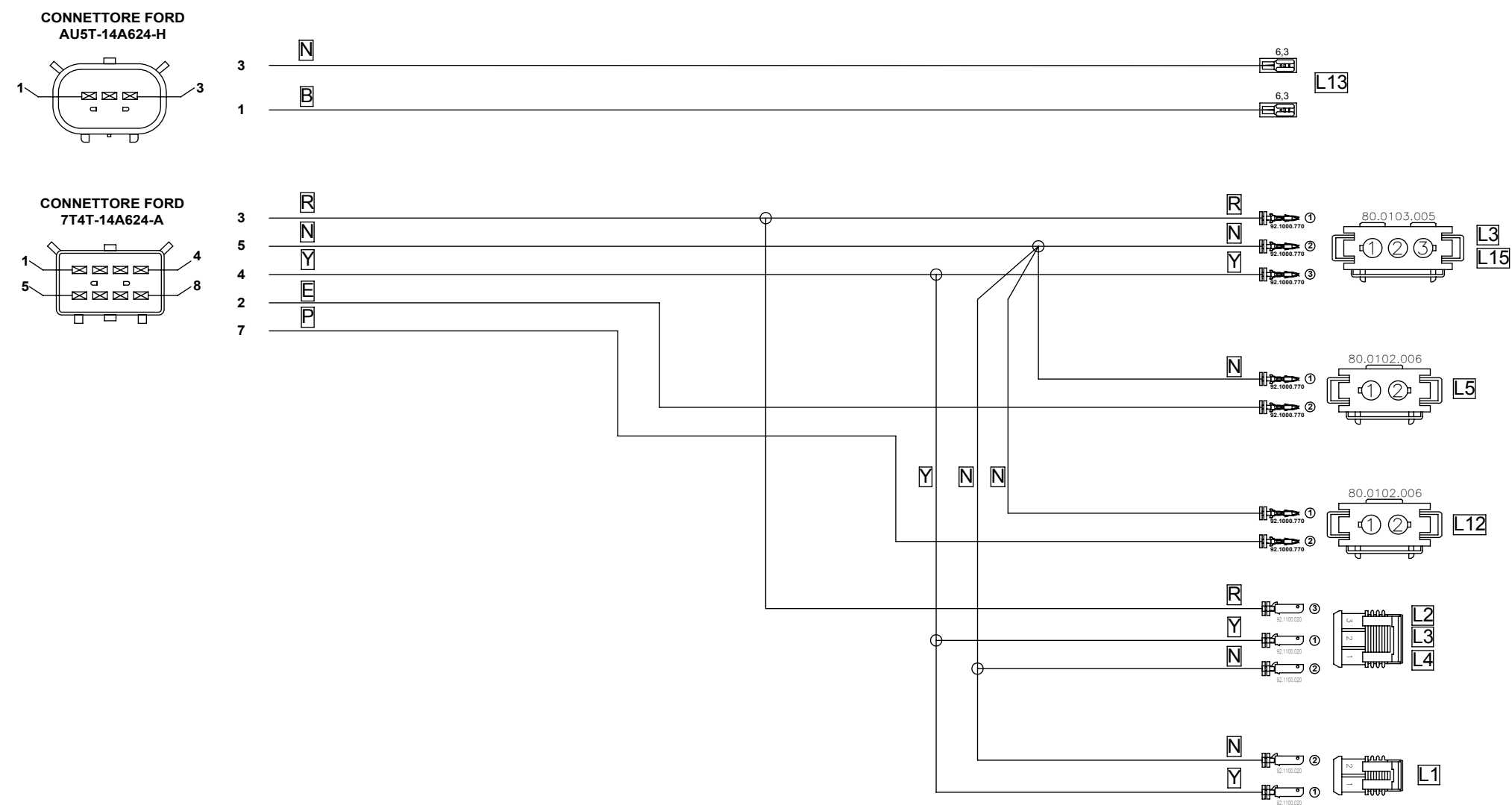
L1	LEFT MARKER LAMP	5W
L2	HIGH BRAKE LAMP	1.8W
L3	LEFT POSITION LAMP	5W
L4	RIGHT POSITION LAMP	21W
L5	LEFT INDICATOR LAMP	21W
L6	LEFT CENTRAL INDICATOR LAMP	--
L7	REVERSE LAMP	21W
L8	LEFT MARKER LAMP	5W
L9	RIGHT CENTRAL INDICATOR LAMP	--
L10	RIGHT INDICATOR LAMP	21W
L11	RIGHT POSITION LAMP	21W
L12	RIGHT FOG LAMP	21W
L13	LEFT NUMBER PLATE LAMP	5W
L14	RIGHT NUMBER PLATE LAMP	5W
L15	LEFT BRAKE LAMP	21W
L16	RIGHT BRAKE LAMP	21W
L17	PARKING SENSOR	--

ROAD LIGHTING CIRCUITS - FIAT ZEFIRO



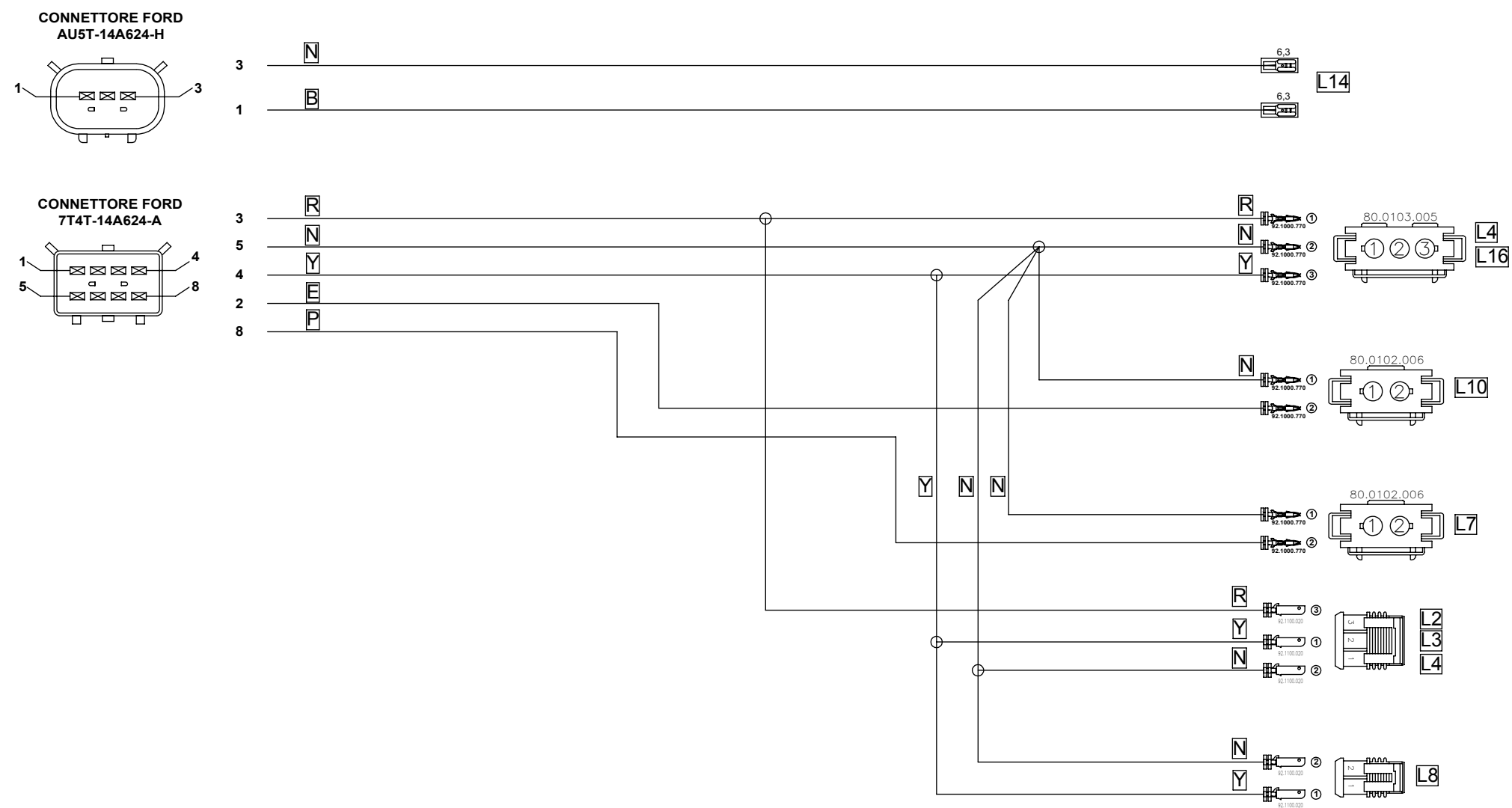
L1	LEFT MARKER LAMP	5W
L2	HIGH BRAKE LAMP	1.8W
L3	LEFT POSITION LAMP	5W
L4	RIGHT POSITION LAMP	21W
L5	LEFT INDICATOR LAMP	21W
L6	LEFT CENTRAL INDICATOR LAMP	--
L7	REVERSE LAMP	21W
L8	LEFT MARKER LAMP	5W
L9	RIGHT CENTRAL INDICATOR LAMP	--
L10	RIGHT INDICATOR LAMP	21W
L11	RIGHT POSITION LAMP	21W
L12	RIGHT FOG LAMP	21W
L13	LEFT NUMBER PLATE LAMP	5W
L14	RIGHT NUMBER PLATE LAMP	5W
L15	LEFT BRAKE LAMP	21W
L16	RIGHT BRAKE LAMP	21W
L17	PARKING SENSOR	--

ROAD LIGHTING CIRCUITS - FORD AUTOROLLER

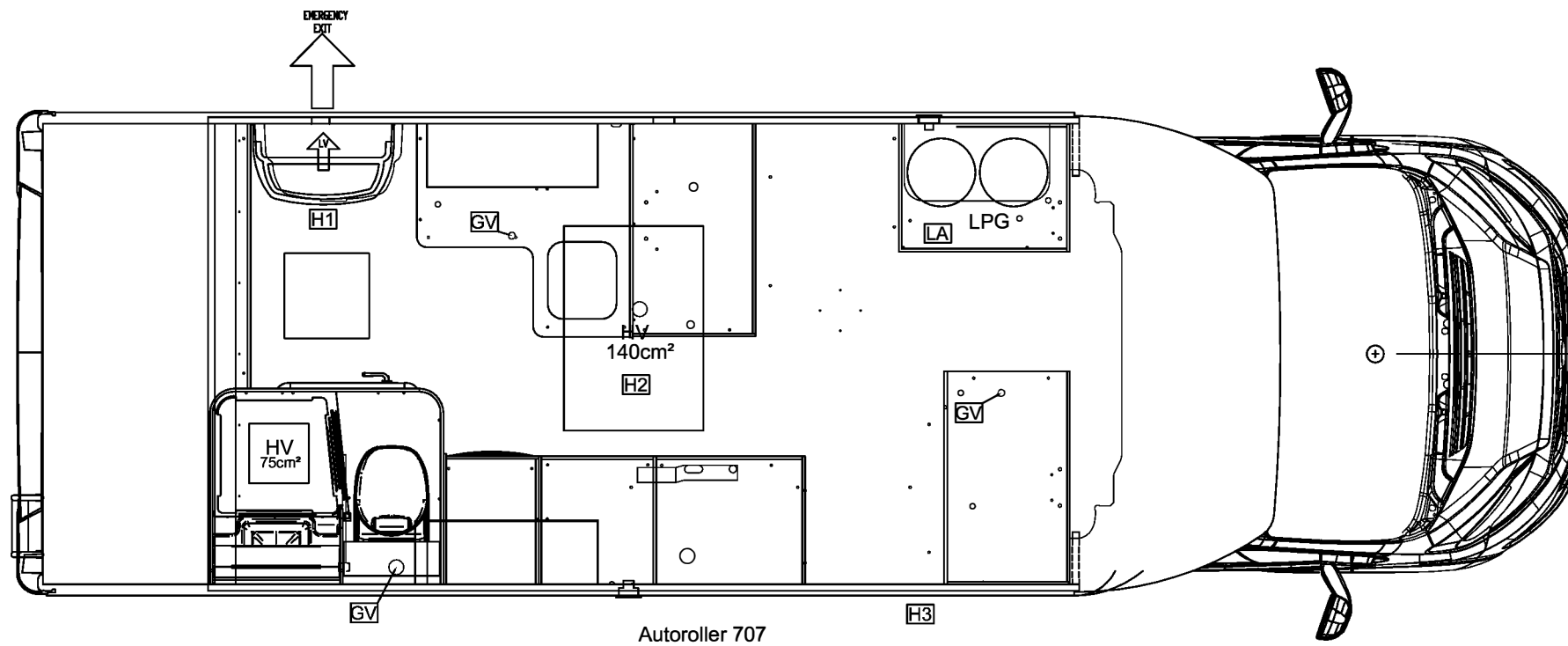


L1	LEFT MARKER LAMP	5W
L2	HIGH BRAKE LAMP	1.8W
L3	LEFT POSITION LAMP	5W
L4	RIGHT POSITION LAMP	21W
L5	LEFT INDICATOR LAMP	21W
L6	LEFT CENTRAL INDICATOR LAMP	--
L7	REVERSE LAMP	21W
L8	LEFT MARKER LAMP	5W
L9	RIGHT CENTRAL INDICATOR LAMP	--
L10	RIGHT INDICATOR LAMP	21W
L11	RIGHT POSITION LAMP	21W
L12	RIGHT FOG LAMP	21W
L13	LEFT NUMBER PLATE LAMP	5W
L14	RIGHT NUMBER PLATE LAMP	5W
L15	LEFT BRAKE LAMP	21W
L16	RIGHT BRAKE LAMP	21W
L17	PARKING SENSOR	--

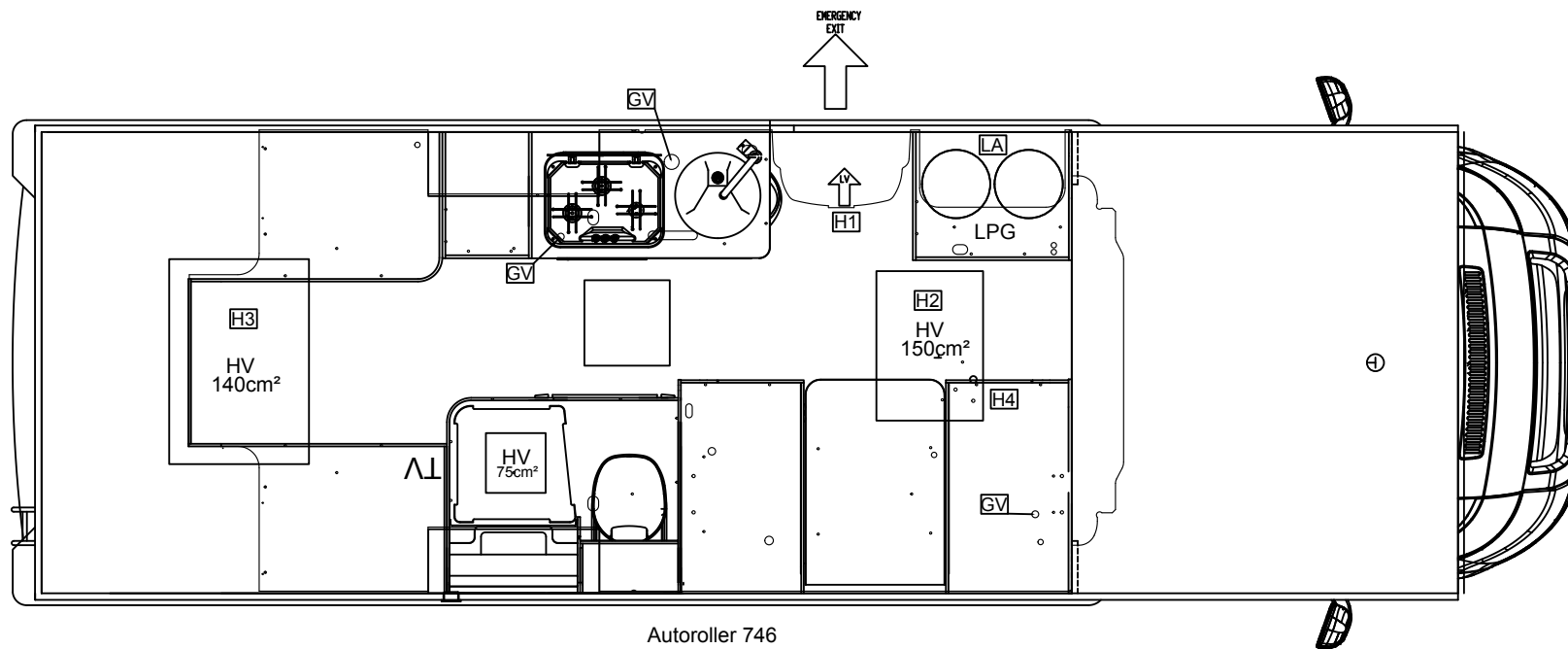
ROAD LIGHTING CIRCUITS - FORD AUTOROLLER



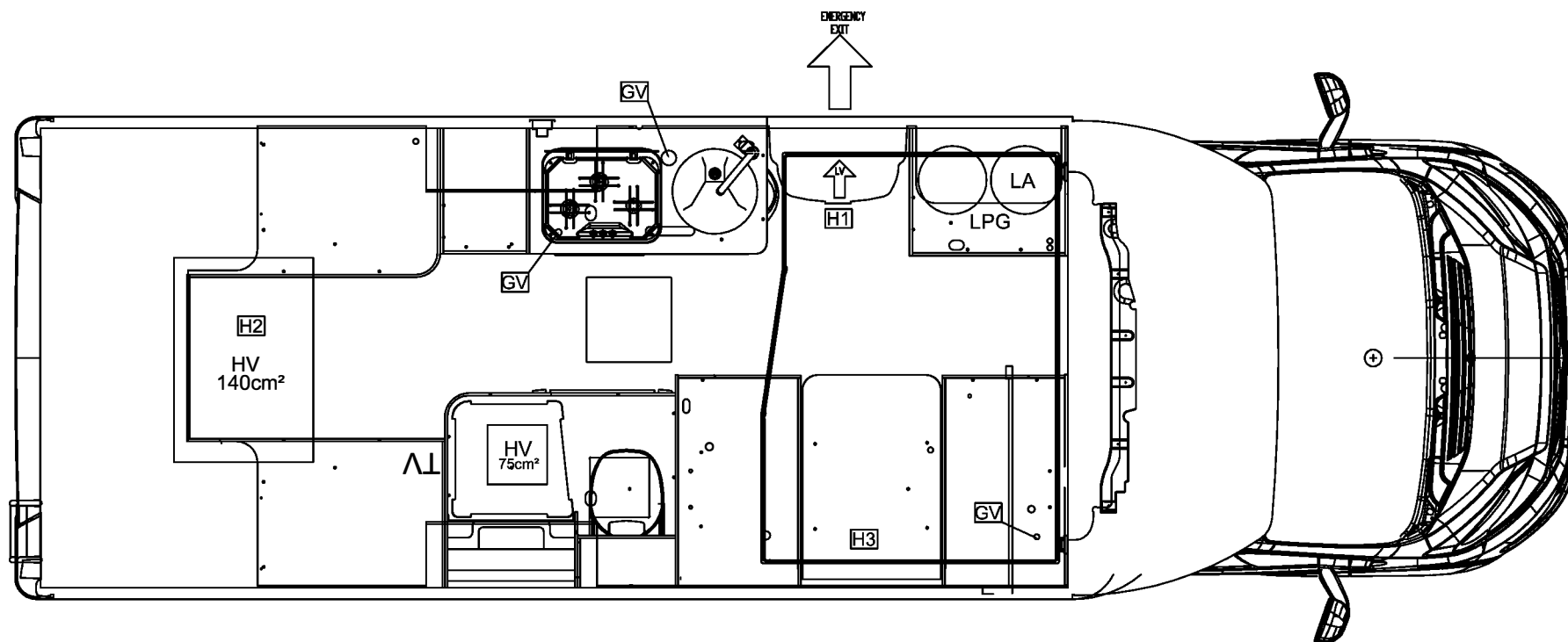
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L2	HIGH BRAKE LAMP	1.8W
L3	LEFT POSITION LAMP	5W
L4	RIGHT POSITION LAMP	21W
L5	LEFT INDICATOR LAMP	21W
L6	LEFT CENTRAL INDICATOR LAMP	--
L7	REVERSE LAMP	21W
L8	LEFT MARKER LAMP	5W
L9	RIGHT CENTRAL INDICATOR LAMP	--
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L11	RIGHT POSITION LAMP	21W
L12	RIGHT FOG LAMP	21W
L13	LEFT NUMBER PLATE LAMP	5W
L14	RIGHT NUMBER PLATE LAMP	5W
L15	LEFT BRAKE LAMP	21W
L16	RIGHT BRAKE LAMP	21W
L17	PARKING SENSOR	--



HV	HIGH VENTILATION
LV	LOW VENTILATION
GV	GAS VENTILATION
LPG	LIQUEFIED PETROLEUM GAS

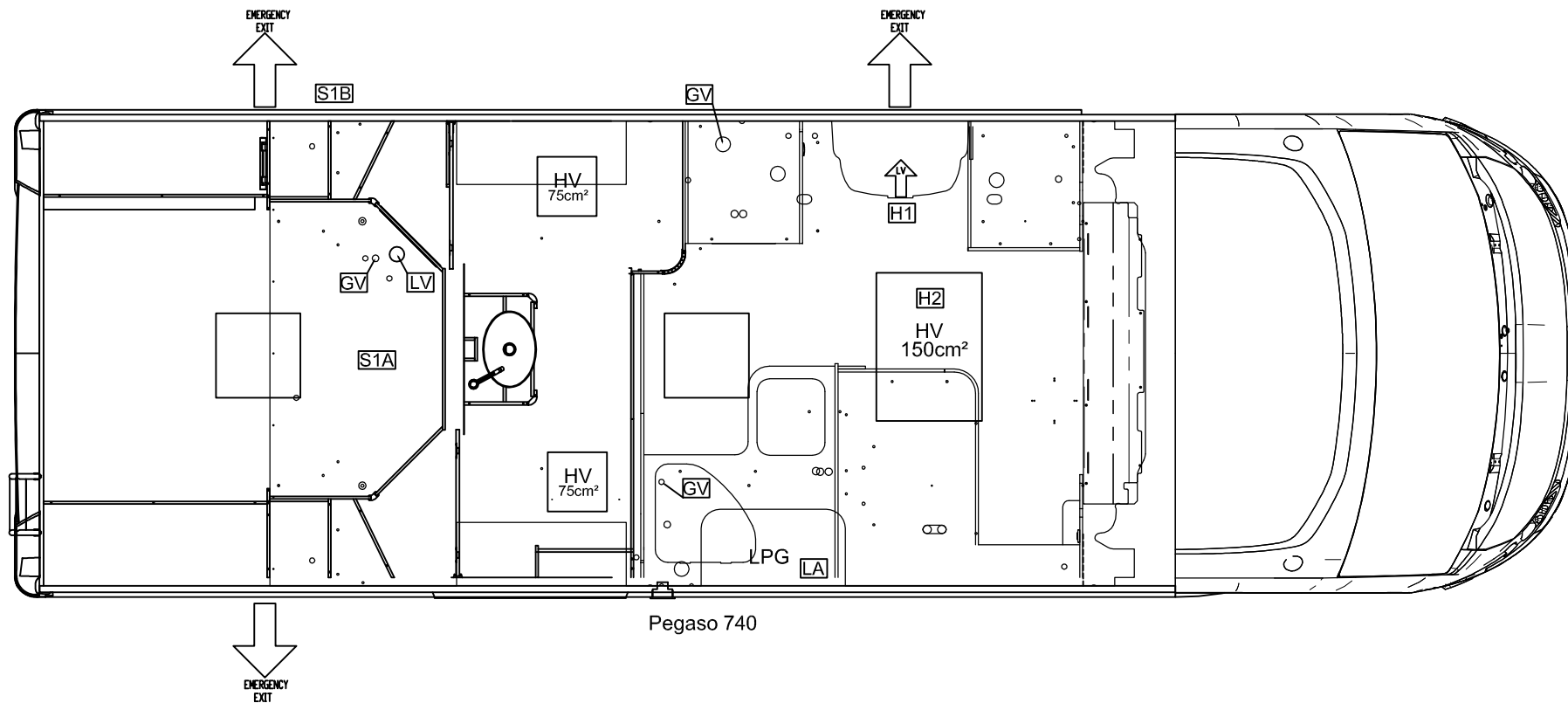


HV	HIGH VENTILATION
LV	LOW VENTILATION
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LPG	LIQUEFIED PETROLEUM GAS

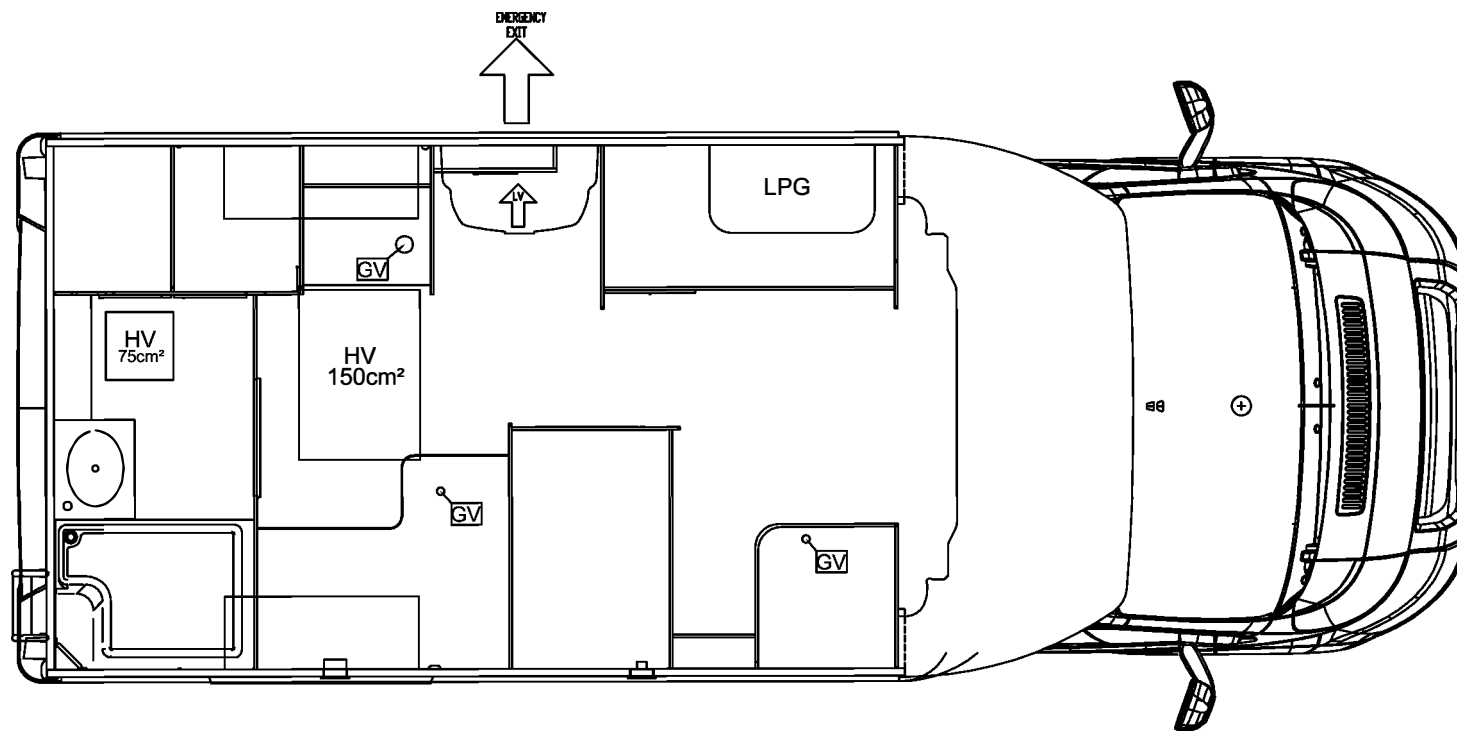


Autoroller 747

HV	HIGH VENTILATION
LV	LOW VENTILATION
GV	GAS VENTILATION
LPG	LIQUEFIED PETROLEUM GAS

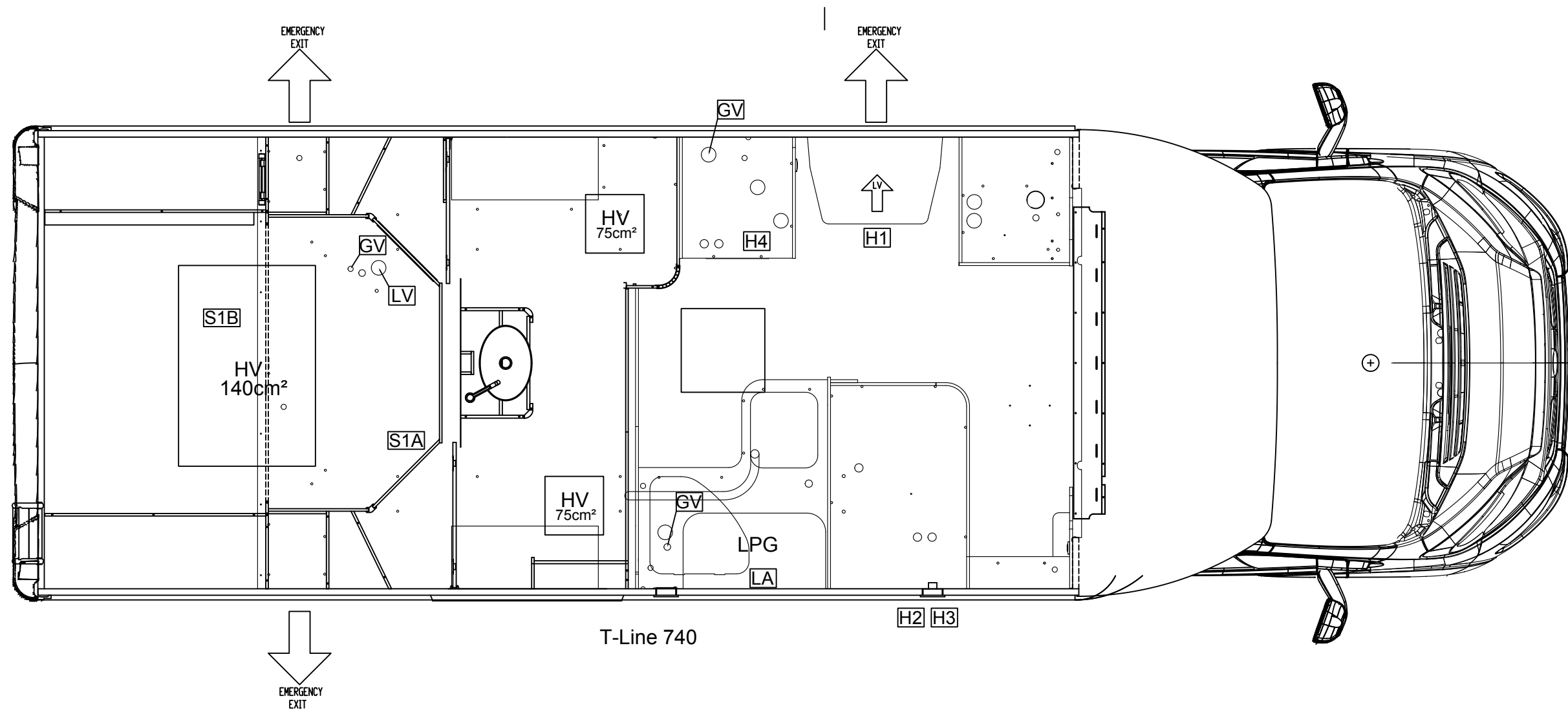


HV	HIGH VENTILATION
LV	LOW VENTILATION
GV	GAS VENTILATION
LPG	LIQUEFIED PETROLEUM GAS

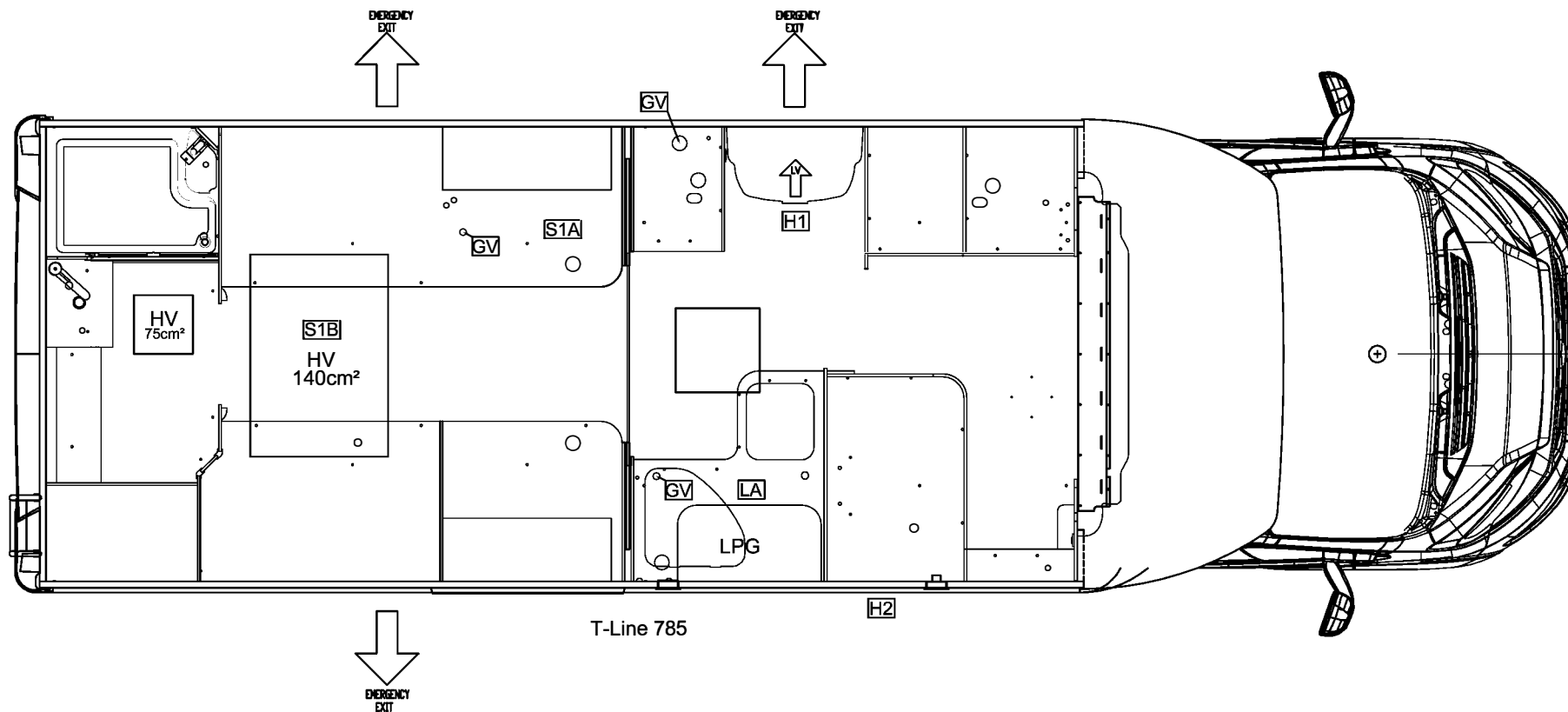


T-Line 590

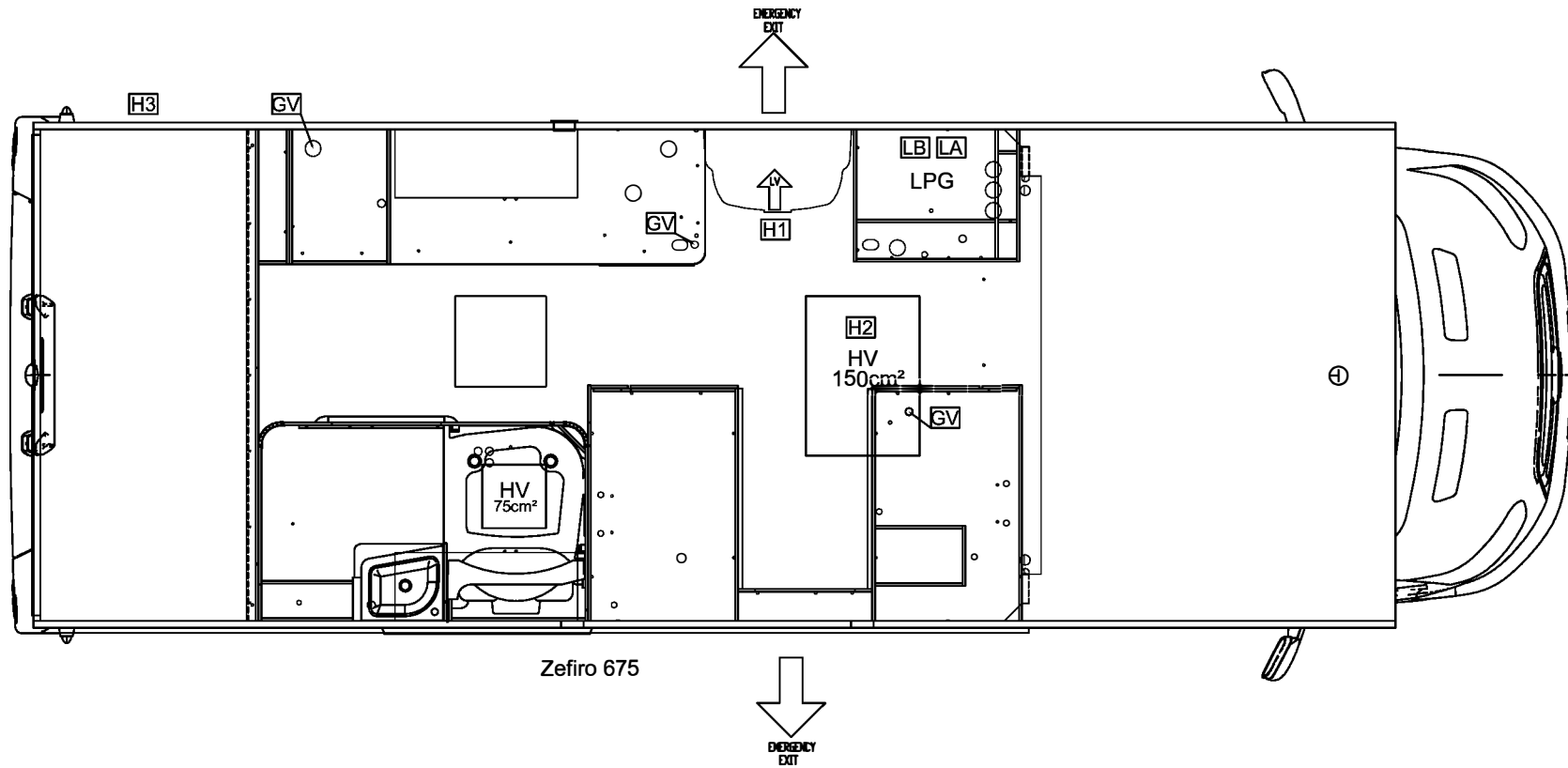
HV	HIGH VENTILATION
LV	LOW VENTILATION
GV	GAS VENTILATION
LPG	LIQUEFIED PETROLEUM GAS



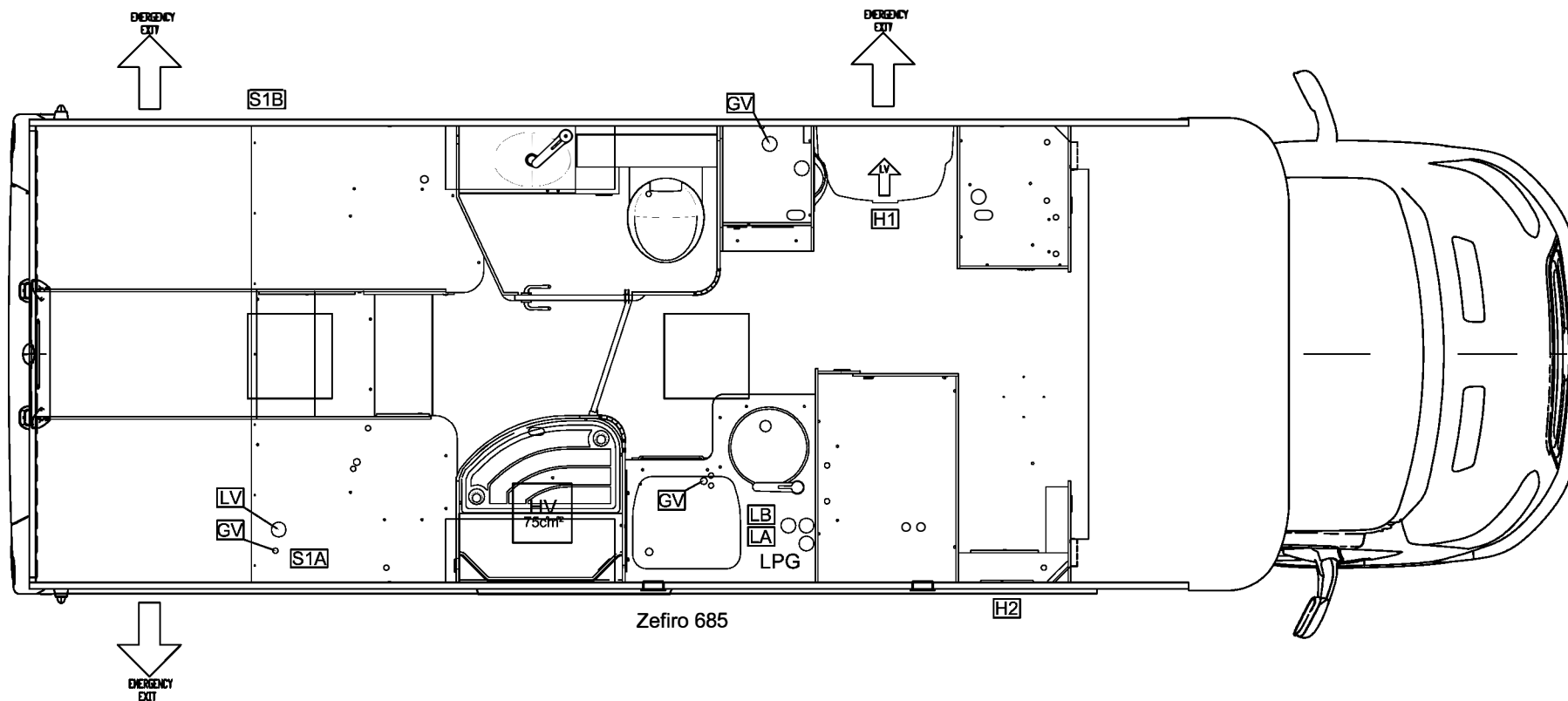
HV	HIGH VENTILATION
LV	LOW VENTILATION
GV	GAS VENTILATION
LPG	LIQUEFIED PETROLEUM GAS



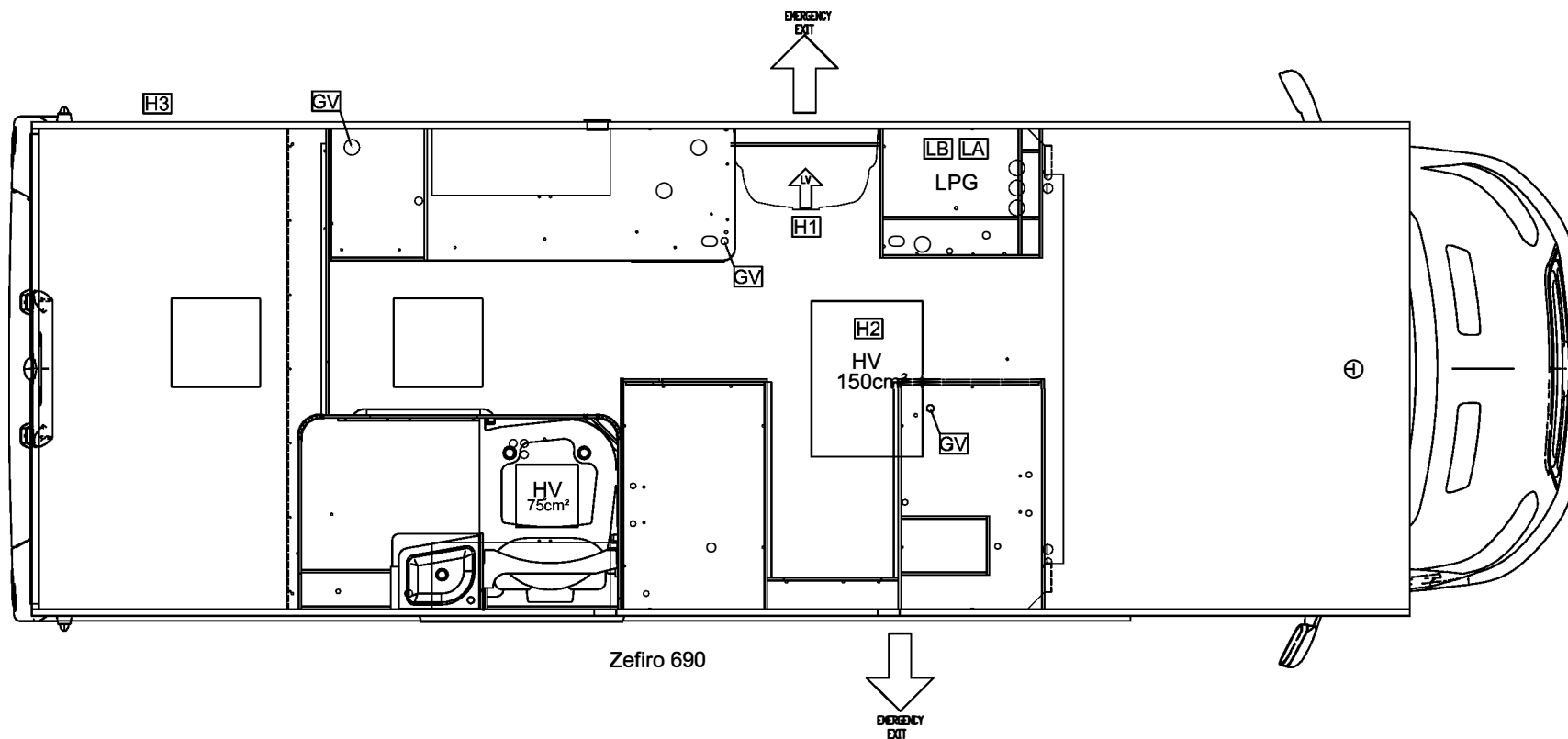
HV	HIGH VENTILATION
LV	LOW VENTILATION
GV	GAS VENTILATION
LPG	LIQUEFIED PETROLEUM GAS



HV	HIGH VENTILATION
LV	LOW VENTILATION
GV	GAS VENTILATION
LPG	LIQUEFIED PETROLEUM GAS

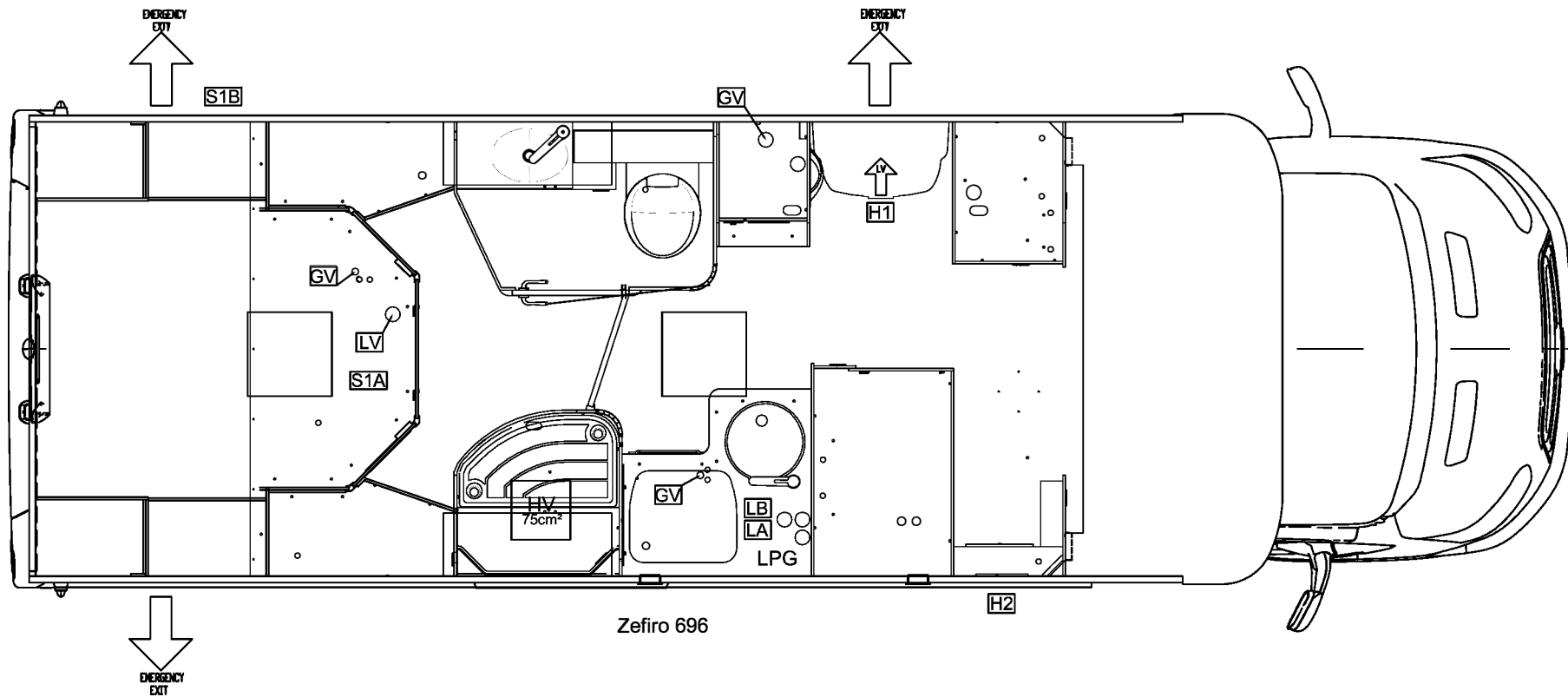


HV	HIGH VENTILATION
LV	LOW VENTILATION
GV	GAS VENTILATION
LPG	LIQUEFIED PETROLEUM GAS



Zefiro 690

HV	HIGH VENTILATION
LV	LOW VENTILATION
GV	GAS VENTILATION
LPG	LIQUEFIED PETROLEUM GAS



Zefiro 696

HV	HIGH VENTILATION
LV	LOW VENTILATION
GV	GAS VENTILATION
LPG	LIQUEFIED PETROLEUM GAS

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