



Motorhomes



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# Bolero / E500 Series

Specification, Wiring Diagrams & Bulb Chart

## SWIFT GROUP

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# Standard Specifications

Model	Bolero 630PR / E520	Bolero 630EW / E540	Bolero 682FB / E562
Roof Profile	Low Profile	Low Profile	Low Profile
Engine	130 MJT	130 MJT	130 MJT
Engine Capacity	2287cc	2287cc	2287cc
Engine Power	96kW @ 3600rpm	96kW @ 3600rpm	96kW @ 3600rpm
Torque	320Nm @ 1800rpm	320Nm @ 1800rpm	320Nm @ 1800rpm
Chassis	Fiat AL-KO low line	Fiat AL-KO low line	Fiat AL-KO low line
Wheel base	4.04m/13'3"	4.04m/13'3"	4.04m/13'3"
Designated Passenger Seats	1	1	1
Berths (sleeping positions)	2	2	4
Overall Length (no ladder)*	7.04m/23'1"	7.04m/23'1"	7.04m/23'1"
Overall Width (mirrors folded)	2.35m/7'9"	2.35m/7'9"	2.35m/7'9"
Overall Height	2.77m/9'1"	2.77m/9'1"	2.77m/9'1"
Maximum Technical Permissible Laden Mass (A)	3500kg	3500kg	3500kg
Mass in Running Order (B)†	3190kg	3130kg	3125kg
Maximum User Payload (A-B)	310kg	370kg	375kg
Unladen Weight	2934kg	2874kg	2869kg
Essential Habitation Equipment	9kg	9kg	9kg
Thermal Insulation Grade	THREE	THREE	THREE
Bed Sizes			
Front Double		2.08m x 1.81m/1.33m / 6'10" x 5'11"/4'4"	2.08m x 1.23m/1.05m / 6'10" x 4'0"/3'5"
Front Nearside Single		1.93m x 0.71m / 6'4" x 2'4"	
Front Offside Single		1.81m x 0.71m / 5'11" x 2'4"	
Rear Double	2.08m x 1.78m / 6'10" x 5'10"		1.90m x 1.30m / 6'3" x 4'3"
Rear Nearside Single	1.86m x 0.71m / 6'1" x 2'4"		
Rear Offside Single	1.78m x 0.71m / 5'10" x 2'4"		

Bolero 684FB / E564	Bolero 712SB / E572	Bolero 722FB / E582	Bolero 724FB / E584
Low Profile	Low Profile	Low Profile	Low Profile
130 MJT	150 MJT	150 MJT	150 MJT
2287cc	2287cc	2287cc	2287cc
96kW @ 3600rpm	109kW @ 3600rpm	109kW @ 3600rpm	109kW @ 3600rpm
320Nm @ 1800rpm	350Nm @ 1500rpm	350Nm @ 1500rpm	350Nm @ 1500rpm
Fiat AL-KO low line	Fiat AL-KO low line	Fiat AL-KO low line	Fiat AL-KO low line
4.04m/13'3"	4.40m/14'5"	4.40m/14'5"	4.40m/14'5"
3	1	1	3
4	4	4	4
7.04m/23'1"	7.71m/25'3"	7.71m/25'3"	7.71m/25'3"
2.35m/7'9"	2.35m/7'9"	2.35m/7'9"	2.35m/7'9"
2.77m/9'1"	2.77m/9'1"	2.77m/9'1"	2.77m/9'1"
3700kg	4250kg	4250kg	4250kg
3222kg	3335kg	3280kg	3345kg
478kg	915kg	970kg	905kg
2966kg	3079kg	3024kg	3089kg
9kg	9kg	9kg	9kg
THREE	THREE	THREE	THREE
2.08m x 1.20m/1.05m / 6'10" x 3'11"/3'5"	2.08m x 1.23m/1.05m / 6'10" x 4'0"/3'5"	2.08m x 1.05m / 6'10" x 3'5"	2.08m x 1.20m/1.05m / 6'10" x 3'11"/3'5"
1.90m x 1.30m / 6'3" x 4'3"		1.88m x 1.33m / 6'2" x 4'4"	1.88m x 1.33m / 6'2" x 4'4"
	1.89m x 0.71m / 6'2" x 2'4"		
	1.89m x 0.71m / 6'2" x 2'4"		

**NOTE: 1. The Maximum User Payload** includes:

- the **conventional load** (this is the allowance for passengers)
- essential habitation equipment** (items and fluids required for safe and proper functioning of habitation equipment)
- optional equipment** (items available from the manufacturer over and above the standard specification)
- personal effects** (those items not covered by the above)

2. The **Mass in Running Order** is the mass of the unladen vehicle including a 75kg allowance for the driver plus engine coolants and 90% of the fuel tank, water tank and gas capacity.

3. PLEASE TAKE CARE TO ENSURE THAT YOU HAVE ALLOWED FOR THE MASSES OF ALL ITEMS YOU INTEND TO CARRY IN THE MOTOR CARAVAN, e.g. passengers, optional equipment, essential habitation equipment and personal effects, such as clothing, food, pets, bicycles, sailboards, sports equipment etc.

**4. WARNING** - UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.

\* For optional roof ladder (add 100mm).

# Optional Specifications

Model	Bolero 630PR / E520		Bolero 630EW / E540		Bolero 682FB / E562	
Roof Profile	Low Profile		Low Profile		Low Profile	
Engine	150 MJT Auto	180 MJT Auto	150 MJT Auto	180 MJT Auto	150 MJT Auto	180 MJT Auto
Engine Capacity	2287cc	2999cc	2287cc	2999cc	2287cc	2999cc
Engine Power	109kW @ 3600rpm	130kW @ 3500rpm	109kW @ 3600rpm	130kW @ 3500rpm	109kW @ 3600rpm	130kW @ 3500rpm
Torque	350Nm @ 1500rpm	400Nm @ 1400rpm	350Nm @ 1500rpm	400Nm @ 1400rpm	3350Nm @ 1500rpm	400Nm @ 1400rpm
Chassis	Fiat AL-KO low line		Fiat AL-KO low line		Fiat AL-KO low line	
Wheel base	4.04m/13'3"		4.04m/13'3"		4.04m/13'3"	
Designated Passenger Seats	1		1		1	
Berths (sleeping positions)	2		2		4	
Overall Length (no ladder)*	7.04m/23'1"		7.04m/23'1"		7.04m/23'1"	
Overall Width (mirrors folded)	2.35m/7'9"		2.35m/7'9"		2.35m/7'9"	
Overall Height	2.77m/9'1"		2.77m/9'1"		2.77m/9'1"	
Maximum Technical Permissible Laden Mass (A)	3500kg		3500kg		3500kg	
Mass in Running Order (B)†	3207kg	3257kg	3147kg	3197kg	3142kg	3192kg
Maximum User Payload (A-B)	293kg	243kg	353kg	303kg	358kg	308kg
Unladen Weight	2951kg	3001kg	2891kg	2941kg	2886kg	2936kg
Essential Habitation Equipment	9kg		9kg		9kg	
Thermal Insulation Grade	THREE		THREE		THREE	
Bed Sizes						
Front Double			2.08m x 1.81m/1.33m / 6'10" x 5'11"/4'4"		2.08m x 1.23m/1.05m / 6'10" x 4'0"/3'5"	
Front Nearside Single			1.93m x 0.71m / 6'4" x 2'4"			
Front Offside Single			1.81m x 0.71m / 5'11" x 2'4"			
Rear Double	2.08m x 1.78m / 6'10" x 5'10"				1.90m x 1.30m / 6'3" x 4'3"	
Rear Nearside Single	1.86m x 0.71m / 6'1" x 2'4"					
Rear Offside Single	1.78m x 0.71m / 5'10" x 2'4"					

Bolero 684FB / E564		Bolero 684FB / E564 Optional MTPLM		
Low Profile		Low Profile		
150 MJT Auto	180 MJT Auto	130 MJT	150 MJT Auto	180 MJT Auto
2287cc	2999cc	2287cc	2287cc	2999cc
109kW @ 3600rpm	130kW @ 3500rpm	96kW @ 3600rpm	109kW @ 3600rpm	130kW @ 3500rpm
350Nm @ 1500rpm	400Nm @ 1400rpm	320Nm @ 1800rpm	350Nm @ 1500rpm	400Nm @ 1400rpm
Fiat AL-KO low line				
4.04m/13'3"				
3		2		
4		4		
7.04m/23'1"				
2.35m/7'9"				
2.77m/9'1"				
3700kg		3500kg		
3239kg	3289kg	3222kg	3239kg	3289kg
461kg	411kg	278kg	261kg	211kg
2983kg	3033kg	2966kg	2983kg	3033kg
9kg				
THREE				
2.08m x 1.20m/1.05m / 6'10" x 3'11"/3'5"				
1.90m x 1.30m / 6'3" x 4'3"				

**NOTE:** 1. **The Maximum User Payload** includes:

- a) the **conventional load** (this is the allowance for passengers)
- b) **essential habitation equipment** (items and fluids required for safe and proper functioning of habitation equipment)
- c) **optional equipment** (items available from the manufacturer over and above the standard specification)
- d) **personal effects** (those items not covered by the above)

2. The **Mass in Running Order** is the mass of the unladen vehicle including a 75kg allowance for the driver plus engine coolants and 90% of the fuel tank, water tank and gas capacity.

3. PLEASE TAKE CARE TO ENSURE THAT YOU HAVE ALLOWED FOR THE MASSES OF ALL ITEMS YOU INTEND TO CARRY IN THE MOTOR CARAVAN, e.g. passengers, optional equipment, essential habitation equipment and personal effects, such as clothing, food, pets, bicycles, sailboards, sports equipment etc.

4. **WARNING** - UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.

\* For optional roof ladder (add 100mm).

## Optional Specifications

Model	Bolero 712SB / E572		Bolero 722FB / E582		Bolero 724FB / E584	
Roof Profile	Low Profile		Low Profile		Low Profile	
Engine	150 MJT Auto	180 MJT Auto	150 MJT Auto	180 MJT Auto	150 MJT Auto	180 MJT Auto
Engine Capacity	2287cc	2999cc	2287cc	2999cc	2287cc	2999cc
Engine Power	109kW @ 3600rpm	130kW @ 3500rpm	109kW @ 3600rpm	130kW @ 3500rpm	109kW @ 3600rpm	130kW @ 3500rpm
Torque	350Nm @ 1500rpm	400Nm @ 1400rpm	350Nm @ 1500rpm	400Nm @ 1400rpm	350Nm @ 1500rpm	400Nm @ 1400rpm
Chassis	Fiat AL-KO low line		Fiat AL-KO low line		Fiat AL-KO low line	
Wheel base	4.40m/14'5"		4.40m/14'5"		4.40m/14'5"	
Designated Passenger Seats	1		1		3	
Berths (sleeping positions)	4		4		4	
Overall Length (no ladder)*	7.71m/25'3"		7.71m/25'3"		7.71m/25'3"	
Overall Width (mirrors folded)	2.35m/7'9"		2.35m/7'9"		2.35m/7'9"	
Overall Height	2.77m/9'1"		2.77m/9'1"		2.77m/9'1"	
Maximum Technical Permissible Laden Mass (A)	4250kg		4250kg		4250kg	
Mass in Running Order (B)†	3352kg	3402kg	3297kg	3347kg	3362kg	3412kg
Maximum User Payload (A-B)	898kg	848kg	953kg	903kg	888kg	838kg
Unladen Weight	3096kg	3146kg	3041kg	3091kg	3106kg	3156kg
Essential Habitation Equipment	9kg		9kg		9kg	
Thermal Insulation Grade	THREE		THREE		THREE	
Bed Sizes						
Front Double	2.08m x 1.23m/1.05m / 6'10" x 4'0"/3'5"		2.08m x 1.05m / 6'10" x 3'5"		2.08m x 1.20m/1.05m / 6'10" x 3'11"/3'5"	
Front Nearside Single						
Front Offside Single						
Rear Double			1.88m x 1.33m / 6'2" x 4'4"		1.88m x 1.33m / 6'2" x 4'4"	
Rear Nearside Single	1.89m x 0.71m / 6'2" x 2'4"					
Rear Offside Single	1.89m x 0.71m / 6'2" x 2'4"					

## Capacities

### Water Tank Capacities

	Fresh Water Tank	Waste Water Tank	Water Heater
Bolero / E500	90 litre	95 litre	8.4 litre

### Gas Capacities

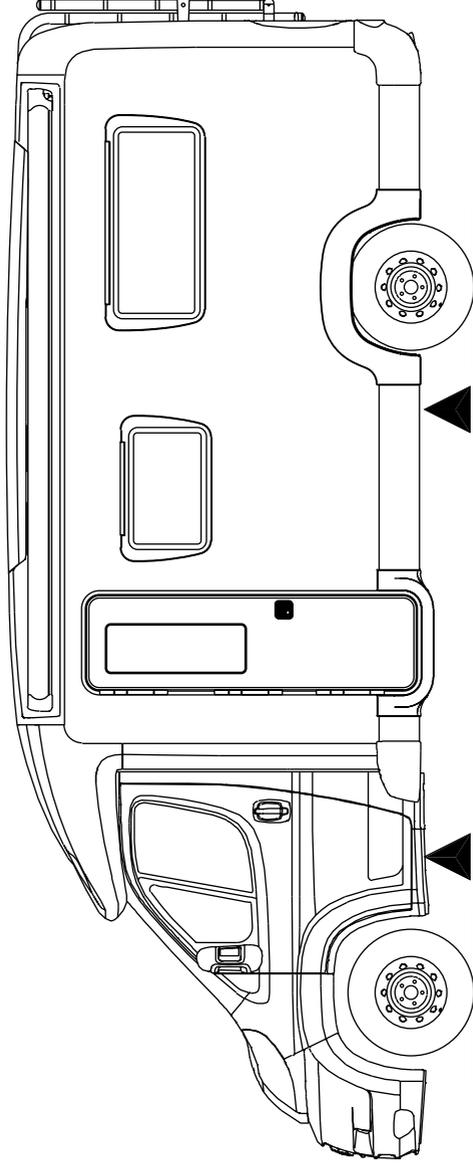
	Capacity
Bolero / E500	2 x 7kg

The above are recommended gas bottle sizes

**NOTICE : For technical data on the base vehicle please refer to manufacturer's handbook**

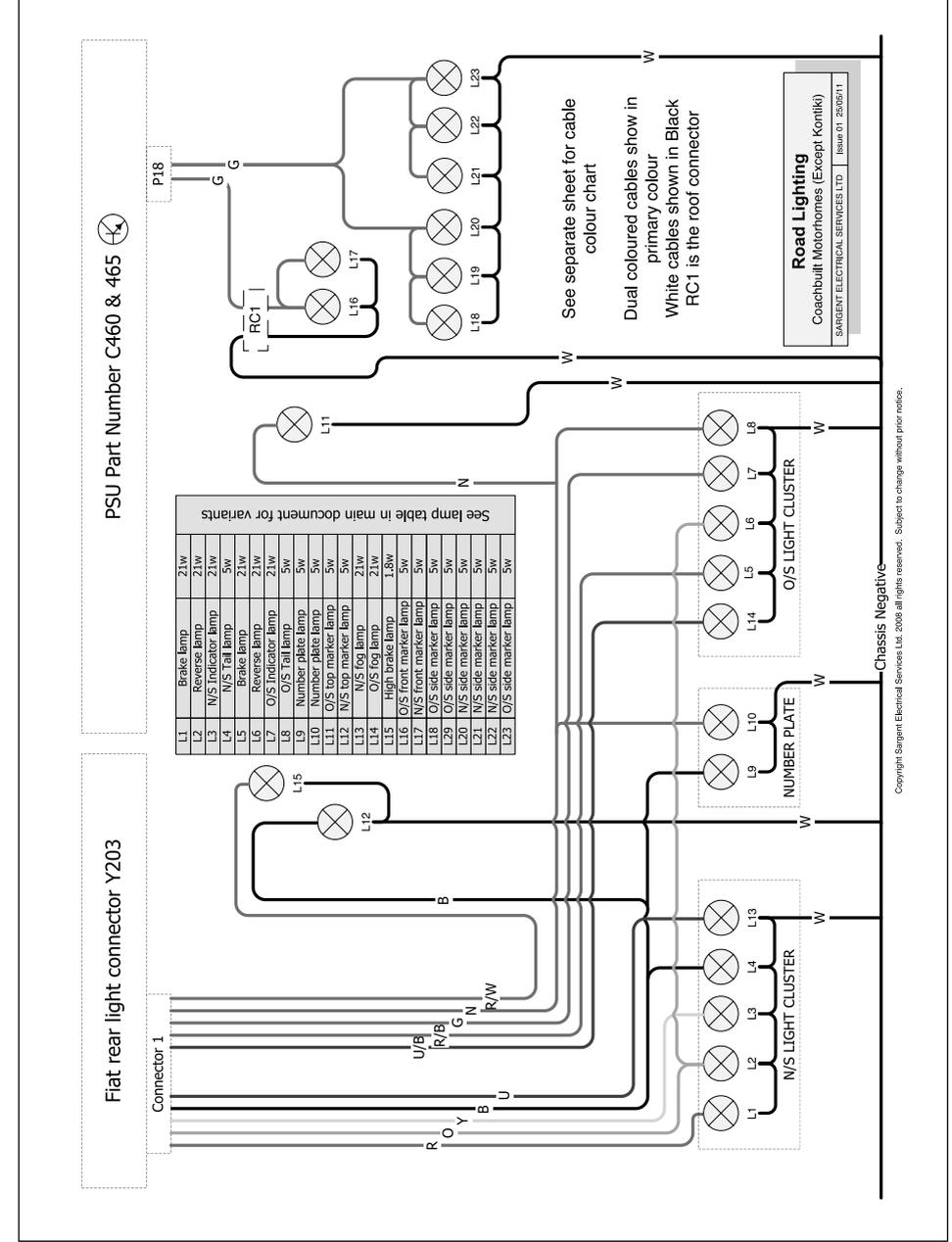


## SWIFT BOLERO / E500 SERIES



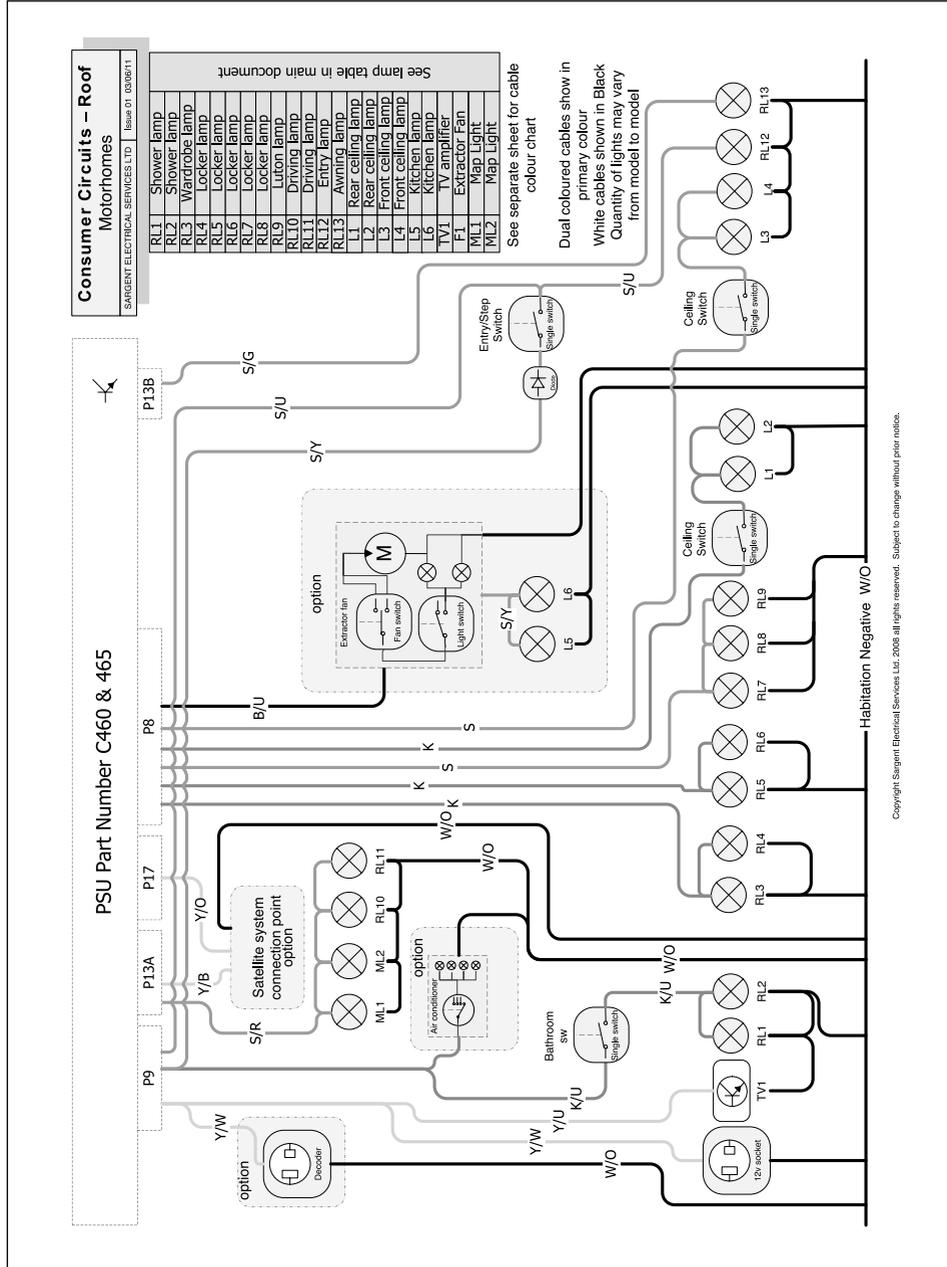
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## Bolero / E500 - Road lighting circuits

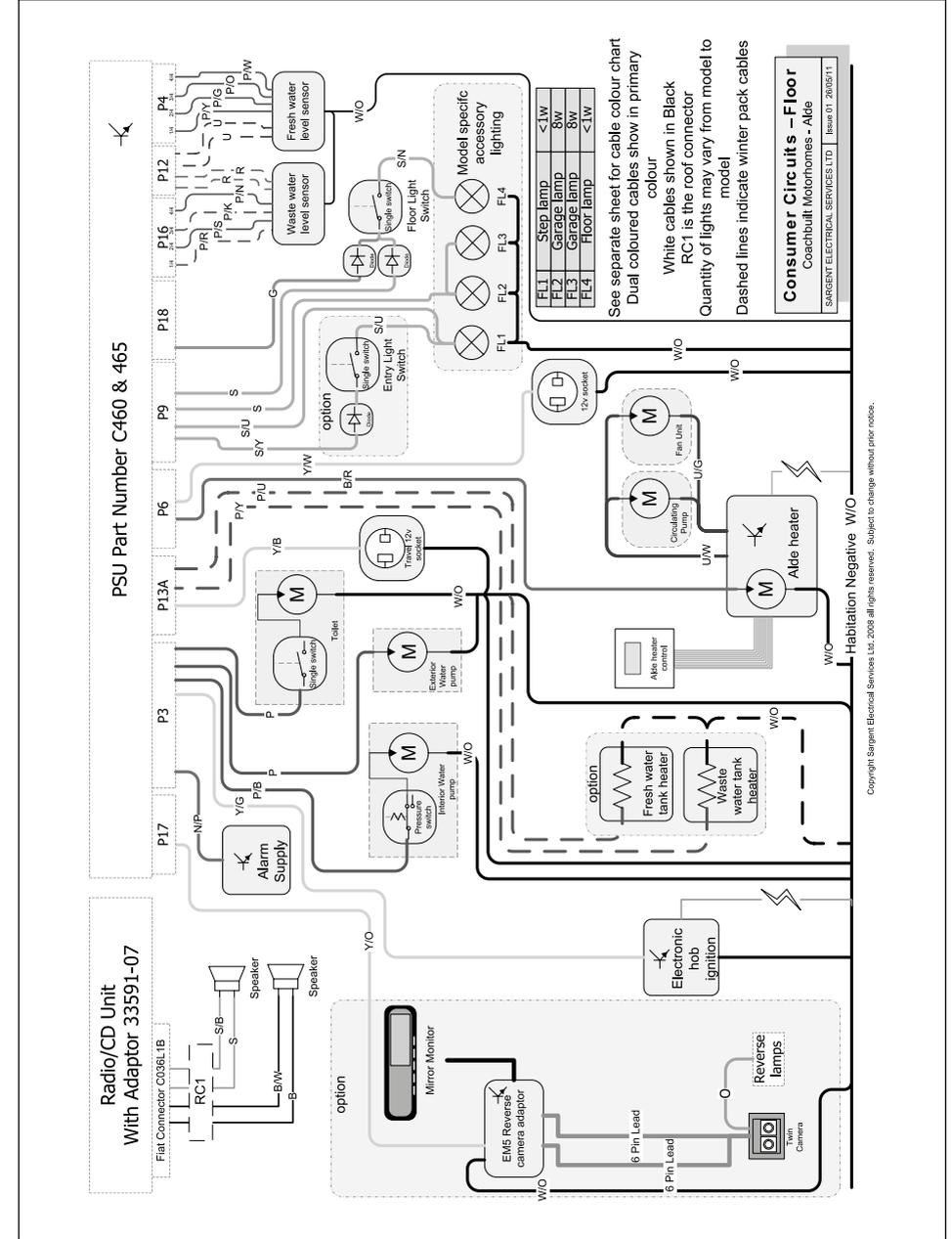


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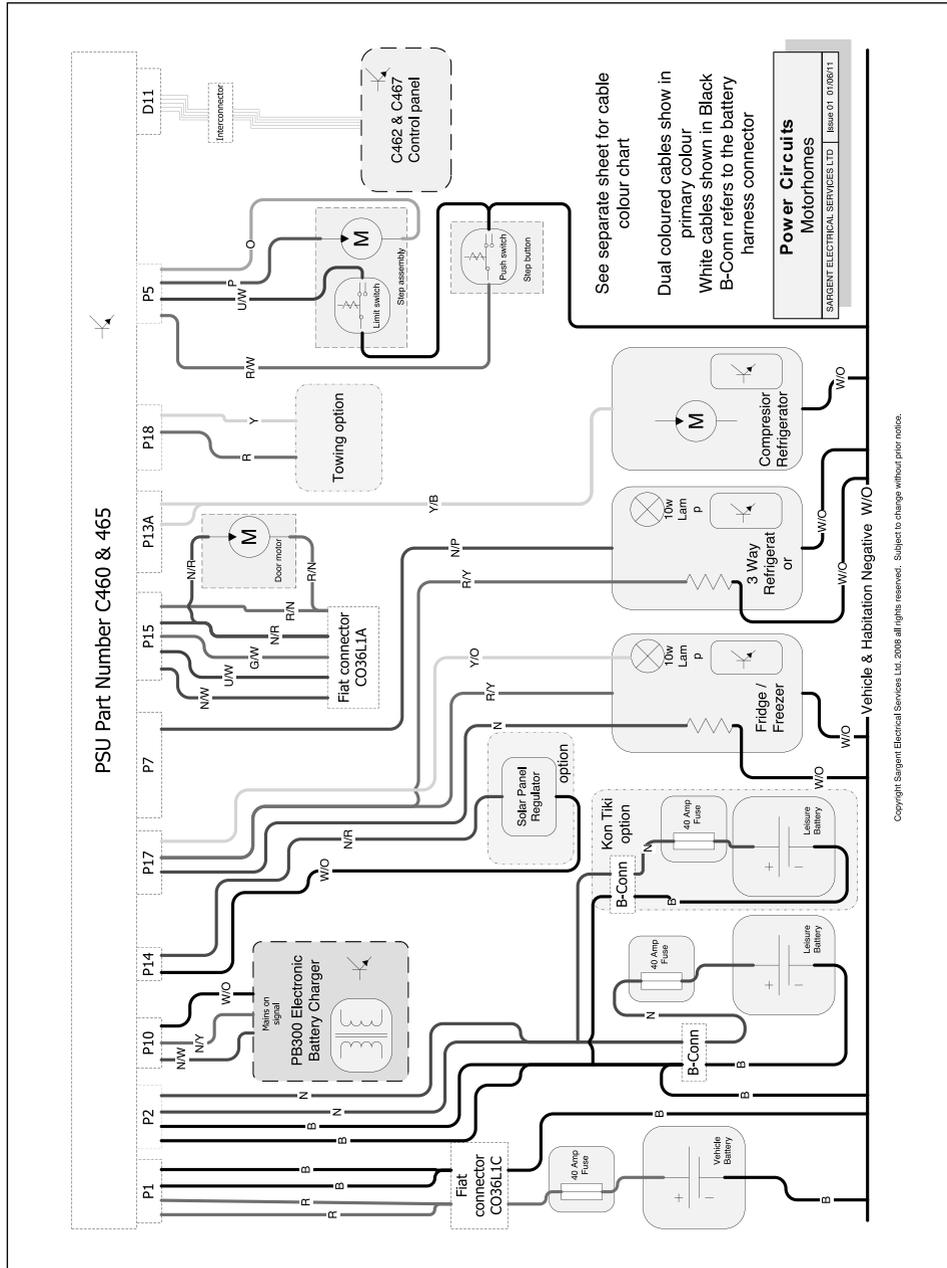
## Bolero / E500 - Roof lighting circuits



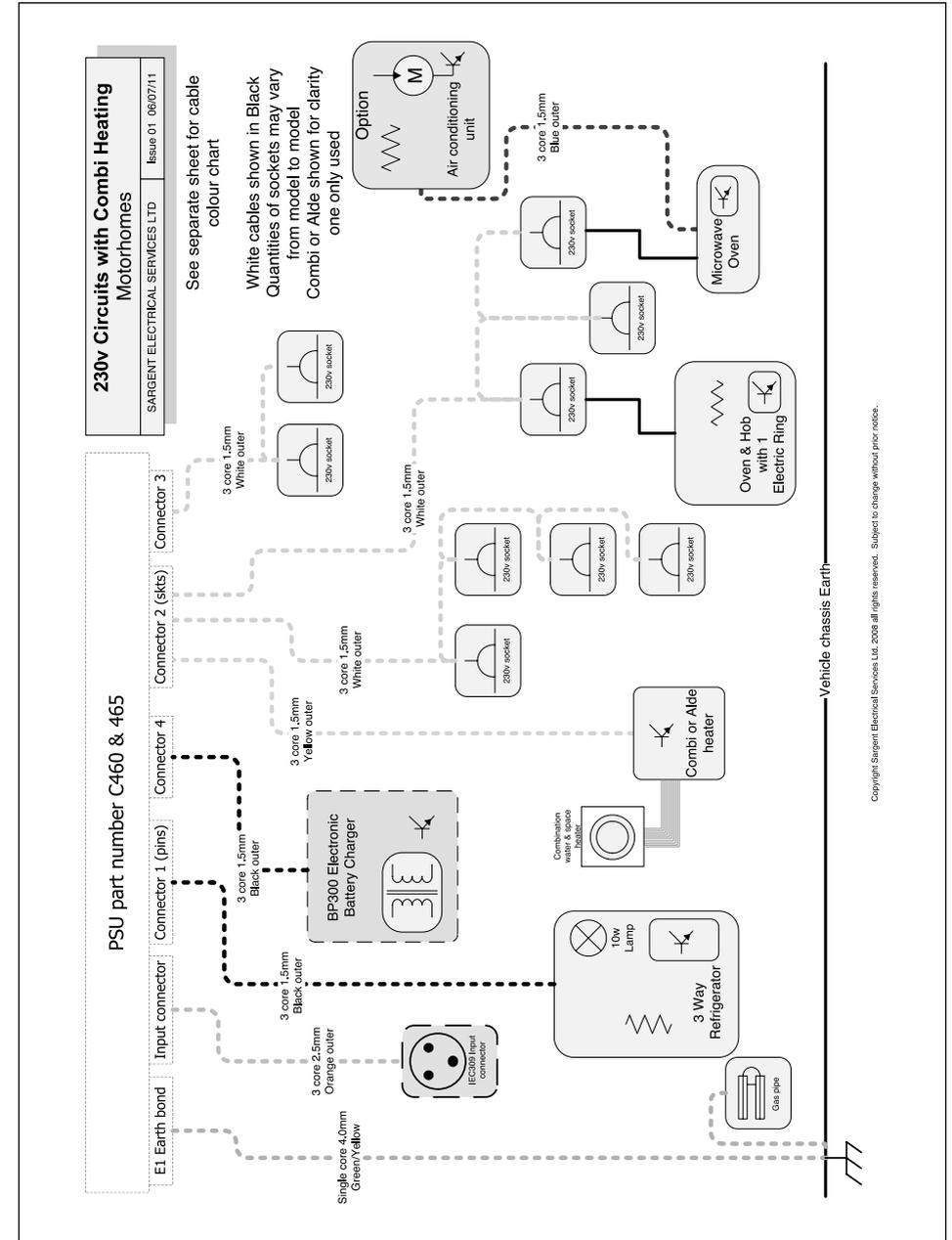
## Bolero / E500 - Consumer Circuits - Floor circuits



## Bolero / E500 - Power circuits



## Bolero / E500 - 230V



## Bolero / E500 - Cable Colour Chart



**Y/U**  
Yellow cable with Blue stripe

Example

**Cable Colour Chart**  
Swift Group 2009

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12v Cable Colours	
B	BLACK
N	BROWN
R	RED
O	ORANGE
Y	YELLOW
G	GREEN
U	BLUE
P	PURPLE
S	SLATE GREY
W	WHITE
K	PINK

230v Cable Colours	
B	BLACK
N	BROWN
W	WHITE
O	ORANGE
Y	YELLOW
G	GREEN
U	BLUE

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Road Lights		
Application	Bulb Reference	Bulb Rating
Front marker light	LED Complete lamp	12v <1W
Side marker light	W5W	12v 5W
Rear high level marker light	W5W	12v 5W
High level stop lamp	T5/13.5	12v 2.3W
Rear indicator lamp	PY21 Orange	12v 21W
Rear Stop / Tail lamp	P21/5W	12v 21w / 5W
Rear reverse lamp	P21	12v 21W
Rear fog lamp	P21	12v 21W
Number plate light	C5W	12v 5W
Interior / Other		
Application		Bulb Rating
Downlighters, LED	FEM0855 Silver / FEM0856 Nickel complete lamp	12v LED
Locker spotlights, LED	FEM0854 complete lamp	12v LED
Above locker mounted fluorescent lamps	300mm fluorescent bulb	12v 8W
Above locker mounted fluorescent lamps	600mm fluorescent bulb	12v 13W
Furniture mounted cold cathode fluorescent lamps	530mm complete lamp, front fixed	12v 5W CCFL
Ceiling lights, round, triple LED	FEM0858 complete lamp	12v LED
Kitchen splashback lighting	FEM0927 150mm / FEM0928 300mm LED strip	12v LED
Kitchen worktop recessed lighting	500mm / 1000mm LED ribbon	12v LED
B-pillar map reading lamps	Complete lamp on 'swan neck' flexible arm	12v LED
Entrance step lamp	LED complete lamp	12v LED
Awning lamp, LED	500mm LED complete unit	12v 2.2W LED
Walkway single LED lights	FEM0442 SPLED illuminator	12v LED
Vanity unit strip lights	FEM0927 150mm / FEM0928 300mm LED strip	12v LED

Note: Not all lights feature on all models within a range

### **BOLERO / E500 SERIES ROAD LIGHT BULB ACCESS - REPLACEMENT INSTRUCTIONS**

#### **REAR INDICATOR LAMPS AND/OR REVERSE LAMPS - REPLACING**

Bulb access is from rear of lamp.

The lamp is retained into the rear panel via a spring clip located at the bottom of the lamp body. To release the lamp:

Carefully insert a large flat bladed screwdriver between the top of the lamp body and the plastic of the rear panel.

Using a lever action push the lamp body down against the spring clip.

Once the spring clip is compressed sufficiently, the top of the lamp body can be withdrawn from the rear panel – with the top of the lamp withdrawn the remainder of the lamp will follow.

At the rear of the lamp, a two part metal clip holds the bulb holder in place. To release this:

Insert a flat bladed screwdriver between the rear of the lamp body and the curved section of the two part clip, and use a lever action to disengage the clip from the rear of the lamp body.

Continue to move the curved section of the clip away from the lamp body, and the second straight part will lift away from the back of the bulb holder.

The bulb holder can now be withdrawn from the lamp body.

Bulbs are a bayonet fitting – apply slight pressure on bulb towards the bulb holder, and twist to release.

Re-position the bulb holder into the lamp body and re-engage the two part clip.

Place the lamp body back into the aperture with the spring clip in position against the edge of that aperture. Using a downward force compress the spring clip until the top edge of the lamp body can also be pushed into the aperture.

#### **STOP & TAIL LAMPS - REPLACING**

The procedure for these lamps is as for the indicator or reverse lamps.

In addition care is needed when fitting the replacement bulb, that the orientation of the bulb is correct. A simple check is that the lamp when operating as a brake light should be brighter than when operating as a tail lamp, this check can be undertaken before the lamp body is re-fitted into the rear panel.

It is wise to avoid dis-connecting the bulb holder from the harness, as incorrect re-connection can cause the brake / tail operation of the bulb to be reversed, an/or cause an bulb warning light to illuminate on the Fiat dashboard.

#### **REAR FOG LIGHTS**

Bulb access is from rear of lamp.

The light fitting can be accessed from underneath the rear of the vehicle.

At the rear of the lamp, twist the bulb holder relative to the lamp body to release, and withdraw the bulb holder and bulb.

Please note: The visible rubber terminal cover is not fixed to the bulb holder, and it may be easier to grip the bulb holder with this removed.

Bulbs are a bayonet fitting – apply slight pressure on bulb towards light fitting, and twist to release

Re-position the bulb holder into the lamp and twist to lock in place

#### **FRONT HIGH LEVEL MARKER / POSITION LAMPS (CLEAR LENSE)**

These lamps are LED and have no user serviceable parts inside.

Replacements should be undertaken by your dealer, as the lamps are sealed onto the mounting panel.

#### **REAR HIGH LEVEL MARKER / POSITION LAMPS (RED LENSE)**

Bulb access is via the front lense of each lamp

Remove the 2 screws from the front of the light fitting, and withdraw the whole fitting from motorhome body

The harness plugs directly into the bulb holder – twist the bulb holder relative to the lamp body to release, and withdraw the bulb holder and bulb.

Bulbs are push fit into bulb holder – pull bulb directly away from holder to release

Reverse the procedure to replace the bulb in the holder, holder in the lamp and the lamp onto the motorhome body.

#### **HIGH LEVEL BRAKE LAMP**

This lamp is single piece and has no user serviceable parts inside.

Remove the screw at both ends of lamp, and withdraw whole fitting away from rear panel of motorhome.

Please note: The screws which retain the lamp also retain the reverse camera housing.

Unplug the lamp from the harness, by squeezing the small tab on the side of the connector, and pulling the connector away from the lamp.

Re-connect the new lamp to harness, and secure with the original two screws.

Lamp retaining screws are fixed into a rubber sleeve with a threaded insert, often known as a rawlnut. If lamp has been removed and re-fitted several times the rubber sleeve may need replacing, these are available through your dealer.

#### **NUMBER PLATE LAMPS**

Bulb access is via the front lense of each lamp

Remove the two screws in the lense of the lamp, and remove

Lever the bulb out of retaining clips

Reverse the procedure to re-fit a new bulb and the light lense

#### **SIDE MARKER / POSITION LAMPS**

Bulb access is from rear of lamp

If rear of lamp is visible from inside the vehicle:

Depending on the location, a small brown plastic cover may be present covering the connections to the lamp. Remove the screws in the cover to release and access the rear of the lamp.

The harness plugs directly into the bulb holder – twist the bulb holder relative to the lamp body to release, and withdraw the bulb holder and bulb.

Bulbs are push fit into bulb holder – pull bulb directly away from holder to release

Reverse the procedure to replace the bulb in the holder, holder in the lamp and the lamp onto the motorhome body. Replace plastic cover.

If rear of lamp is not visible from inside the vehicle:

Remove the 2 screws from the front of the light fitting, and withdraw the whole fitting from motorhome body

The harness plugs directly into the bulb holder – twist the bulb holder relative to the lamp body to release, and withdraw the bulb holder and bulb.

Bulbs are push fit into bulb holder – pull bulb directly away from holder to release

Reverse the procedure to replace the bulb in the holder, holder in the lamp and the lamp onto the motorhome body.

