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## Swift Bolero Technical Handbook

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# Standard Specifications

Model	Bolero 682FB	Bolero 684FB
Roof Profile	Low Profile	Low Profile
Engine	130 MJT	130 MJT
Engine Capacity	2287cc	2287cc
Engine Power	96kW @ 3600rpm	96kW @ 3600rpm
Torque	320Nm @ 1800rpm	320Nm @ 1800rpm
Chassis	Fiat AL-KO low line	Fiat AL-KO low line
Wheel base	4.04m/13'3"	4.04m/13'3"
Designated Passenger Seats excluding Driver	1	3
Berths (sleeping positions)	4	4
Overall Length (no ladder)**	7.04m/23'1"	7.04m/23'1"
Overall Width (mirrors folded)	2.35m/7'9"	2.35m/7'9"
Overall Height	2.79m/9'2"	2.79m/9'2"
Maximum Technical Permissible Laden Mass (A)	3500kg	3700kg
Mass in Running Order (B)	3068kg*	3140kg
Maximum User Payload (A-B)	432kg*	560kg
Unladen Weight	2893kg*	2965kg
Essential Habitation Equipment	8kg	8kg
Thermal Insulation Grade	THREE	THREE
Bed Sizes		
Front Double	2.08m x 1.23m/1.05m / 6'10" x 4'0"/3'5"	2.08m x 1.20m/1.05m / 6'10" x 3'11"/3'5"
Front Nearside Single		
Front Offside Single		
Rear Double	1.90m x 1.30m / 6'3" x 4'3"	1.90m x 1.30m / 6'3" x 4'3"
Rear Nearside Single		
Rear Offside Single		

Bolero 712SB	Bolero 714SB	Bolero 722FB	Bolero 724FB
Low Profile	Low Profile	Low Profile	Low Profile
150 MJT	150 MJT	150 MJT	150 MJT
2287cc	2287cc	2287cc	2287cc
109kW @ 3600rpm	109kW @ 3600rpm	109kW @ 3600rpm	109kW @ 3600rpm
350Nm @ 1500rpm	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
4.40m/14'5"	4.40m/14'5"	4.40m/14'5"	4.40m/14'5"
1	3	1	3
4	4	4	4
7.71m/25'3"	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"
2.79m/9'2"	2.79m/9'2"	2.79m/9'2"	2.79m/9'2"
4250kg	4250kg	4250kg	4250kg
3233kg*	3299kg*	3198kg*	3263kg*
1017kg*	951kg*	1052kg*	987kg*
3058kg*	3124kg*	3023kg*	3088kg*
8kg	8kg	8kg	8kg
THREE	THREE	THREE	THREE
2.08m x 1.23m/1.05m / 6'10" x 4'0"/3'5"	2.08m x 1.20m/1.05m / 6'10" x 3'11"/3'5"	2.08m x 1.20m/1.05m / 6'10" x 3'11"/3'5"	2.08m x 1.20m/1.05m / 6'10" x 3'11"/3'5"
		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"		
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:

- 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 and 100% gas capacity.

The MRO is calculated with the fresh water tank empty. If you travel with water in the fresh water tank then the payload will reduce accordingly.

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.

\* Estimated

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

# Optional Specifications

Model	Bolero 682FB		Bolero 684FB	
Roof Profile	Low Profile		Low Profile	
Engine	130 MJT Auto	150 MJT Auto	130 MJT Auto	150 MJT Auto
Engine Capacity	2287cc	2287cc	2287cc	2287cc
Engine Power	96kW @ 3600rpm	109kW @ 3600rpm	96kW @ 3600rpm	109kW @ 3600rpm
Torque	320Nm @ 1800rpm	350Nm @ 1500rpm	320Nm @ 1800rpm	350Nm @ 1500rpm
Chassis	Fiat AL-KO low line		Fiat AL-KO low line	
Wheel base	4.04m/13'3"		4.04m/13'3"	
Designated Passenger Seats excluding Driver	1		3	
Berths (sleeping positions)	4		4	
Overall Length (no ladder)**	7.04m/23'1"		7.04m/23'1"	
Overall Width (mirrors folded)	2.35m/7'9"		2.35m/7'9"	
Overall Height	2.79m/9'2"		2.79m/9'2"	
Maximum Technical Permissible Laden Mass (A)	3500kg		3700kg	
Mass in Running Order (B)	3085kg*		3157kg	
Maximum User Payload (A-B)	415kg*		543kg	
Unladen Weight	2910kg*		2982kg	
Essential Habitation Equipment	8kg		8kg	
Thermal Insulation Grade	THREE		THREE	
Bed Sizes				
Front Double	2.08m x 1.23m/1.05m / 6'10" x 4'0"/3'5"		2.08m x 1.20m/1.05m / 6'10" x 3'11"/3'5"	
Front Nearside Single				
Front Offside Single				
Rear Double	1.90m x 1.30m / 6'3" x 4'3"		1.90m x 1.30m / 6'3" x 4'3"	
Rear Nearside Single				
Rear Offside Single				

Bolero 684FB	Bolero 712SB	Bolero 714SB
Low Profile	Low Profile	Low Profile
130 MJT	150 MJT Auto	150 MJT Auto
2287cc	2287cc	2287cc
109kW @ 3600rpm	109kW @ 3600rpm	109kW @ 3600rpm
350Nm @ 1500rpm	350Nm @ 1500rpm	350Nm @ 1500rpm
Fiat AL-KO low line	Fiat AL-KO low line	Fiat AL-KO low line
4.40m/14'5"	4.40m/14'5"	4.40m/14'5"
2	1	3
4	4	4
7.04m/23'1"	7.71m/25'3"	7.71m/25'3"
2.35m/7'9"	2.35m/7'9"	2.35m/7'9"
2.79m/9'2"	2.79m/9'2"	2.79m/9'2"
3500kg	4250kg	4250kg
3140kg	3250kg*	3316kg*
360kg	1000kg*	934kg*
2965kg	3075kg*	3141kg*
8kg	8kg	8kg
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 1.20m/1.05m / 6'10" x 3'11"/3'5"
1.90m x 1.30m / 6'3" x 4'3"		
	1.89m x 0.71m / 6'2" x 2'4"	1.89m x 0.71m / 6'2" x 2'4"
	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:  
a) the **conventional load** (this is the allowance for passengers)  
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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 and 100% gas capacity.  
The MRO is calculated with the fresh water tank empty. If you travel with water in the fresh water tank then the payload will reduce accordingly.  
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.**

\* Estimated  
\*\* For optional roof ladder add 100mm.

## Optional Specifications

Model	Bolero 722FB	Bolero 724FB
Roof Profile	Low Profile	Low Profile
Engine	150 MJT Auto	150 MJT Auto
Engine Capacity	2287cc	2287cc
Engine Power	109kW @ 3600rpm	109kW @ 3600rpm
Torque	350Nm @ 1500rpm	350Nm @ 1500rpm
Chassis	Fiat AL-KO low line	Fiat AL-KO low line
Wheel base	4.40m/14'5"	4.40m/14'5"
Designated Passenger Seats excluding Driver	1	3
Berths (sleeping positions)	4	4
Overall Length (no ladder)**	7.71m/25'3"	7.71m/25'3"
Overall Width (mirrors folded)	2.35m/7'9"	2.35m/7'9"
Overall Height	2.79m/9'2"	2.79m/9'2"
Maximum Technical Permissible Laden Mass (A)	4250kg	4250kg
Mass in Running Order (B)	3215kg*	3280kg*
Maximum User Payload (A-B)	1035kg*	970kg*
Unladen Weight	3040kg*	3105kg*
Essential Habitation Equipment	8kg	8kg
Thermal Insulation Grade	THREE	THREE
Bed Sizes		
Front Double	2.08m x 1.20m/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		
Rear Offside Single		

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

- a) the **conventional load** (this is the allowance for passengers)
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- c) **optional equipment** (items available from the manufacturer over and above the standard specification)
- d) **personal effects** (those items not covered by the above)

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\* Estimated

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

## Capacities

### Water Tank Capacities

	Fresh Water Tank	Waste Water Tank	Water Heater
Bolero	90 litre	95 litre	8.5 litre

### Gas Capacities

	Capacity
Bolero	2 x 7kg

The above are recommended gas bottle sizes

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

# Towing Capabilities

## Bolero Towing Capabilities

Model	Engine / Chassis	MTPLM	Permissible Front Axle Load
Bolero 682FB	130MJT (2.3L)	3500kg	1850kg
Bolero 682FB	130 / 150MJT (2.3L) AUTO	3500kg	1850kg
Bolero 684FB	130MJT (2.3L)	3700kg	1850kg
Bolero 684FB	130 / 150MJT (2.3L) AUTO	3700kg	1850kg
Bolero 684FB	130MJT (2.3L)	3500kg	1850kg
Bolero 684FB	130 / 150MJT (2.3L) AUTO	3500kg	1850kg
Bolero 712SB	150MJT (2.3L)	4250kg	2100kg
Bolero 712SB	150MJT (2.3L) AUTO	4250kg	2100kg
Bolero 714SB	150MJT (2.3L)	4250kg	2100kg
Bolero 714SB	150MJT (2.3L) AUTO	4250kg	2100kg
Bolero 722FB	150MJT (2.3L)	4250kg	2100kg
Bolero 722FB	150MJT (2.3L) AUTO	4250kg	2100kg
Bolero 724FB	150MJT (2.3L)	4250kg	2100kg
Bolero 724FB	150MJT (2.3L) AUTO	4250kg	2100kg

**The maximum trailer weight is limited by the Gross Train Weight which must not be exceeded.** For example, if the vehicle is at the maximum MTPLM of 4250kg, then the maximum trailer weight possible is 1250kg. Reducing the weight of the vehicle by removing payload, will allow you to increase the trailer weight up to a maximum of 2000kg.

To ensure adequate road holding, the load on the front axle, under all conditions, must not be less than 40% or more than 70% of the total weight.

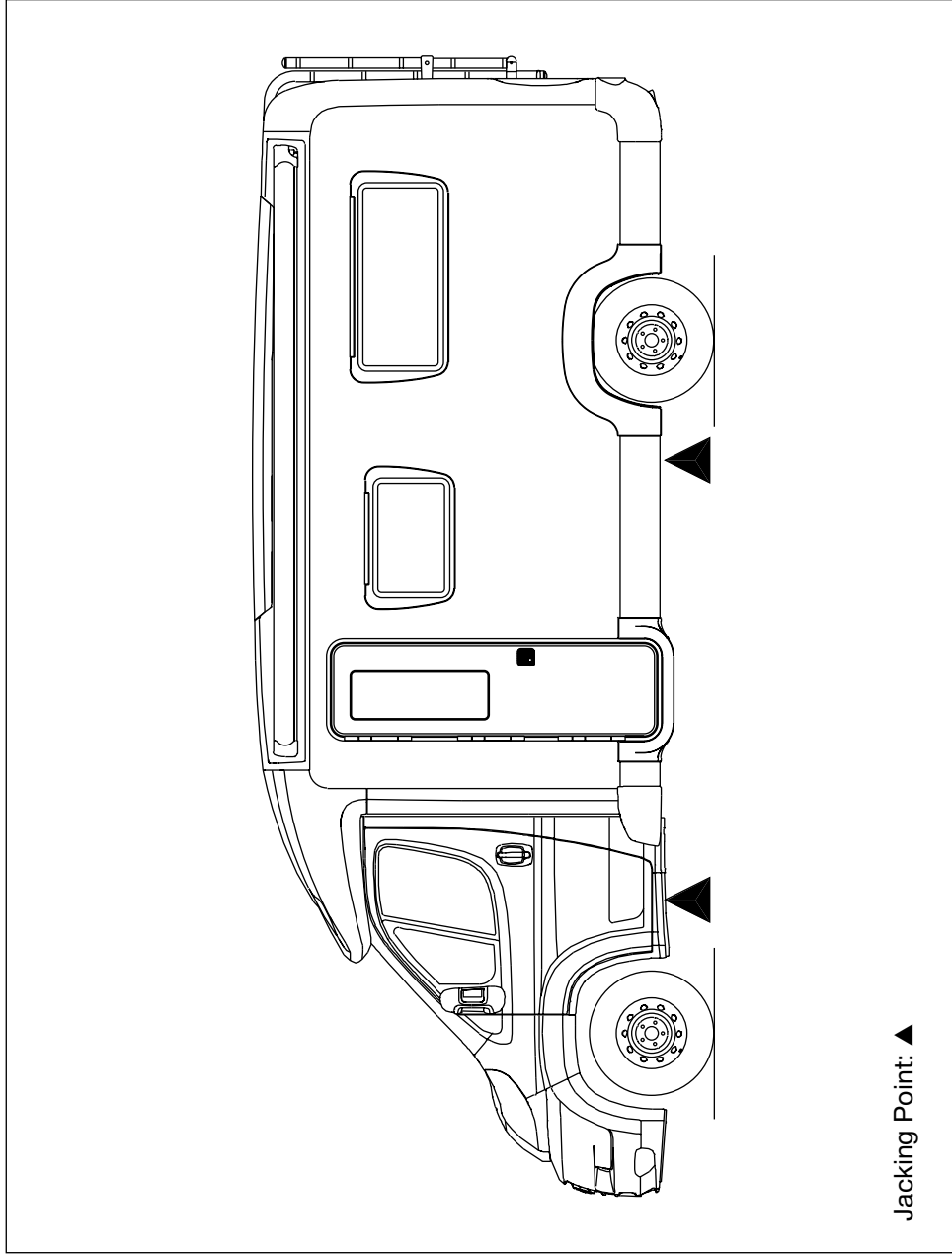
Care must be taken when distributing loads. The loadings and weights above are maximums and must not be exceeded under any circumstances.

\* With this vehicle configuration it will be necessary to reduce the payload carried inside the van when towing a trailer at maximum trailer weight to ensure that the Maximum Gross Train Weight and maximum axle loads are not exceeded.

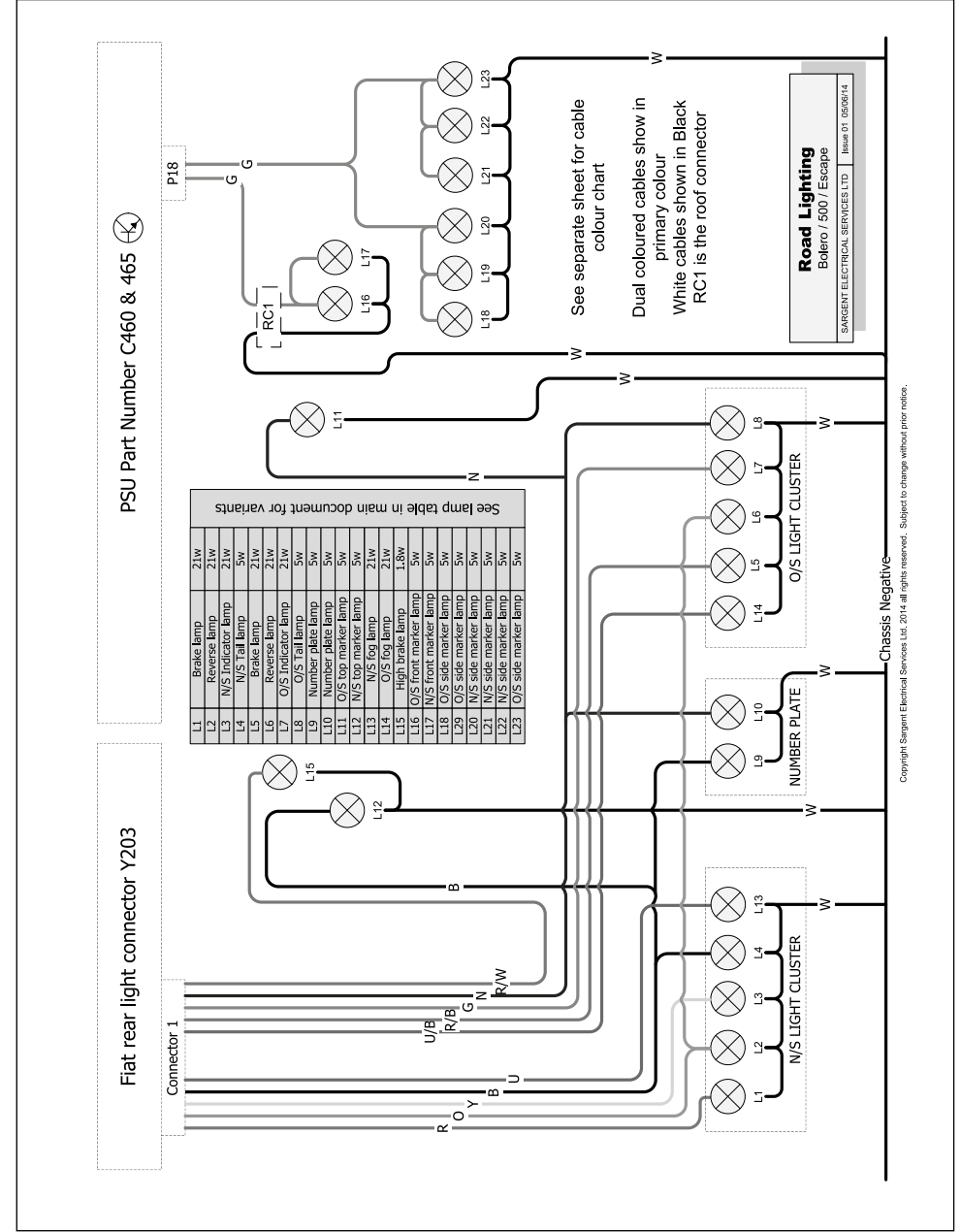
**CAUTION:** When fitting a towbar, it must meet certain minimum requirements as specified by Type Approval Regulations. The bar will have marked on it the approval standard (94/20/EC or 55R ECE) and the maximum download, or noseweight, that it can accept. It must fit the manufacturer's approved mounting points and must not obscure the towing vehicle's number plate.

Permissible Rear Axle Load	Recommended Maximum Trailer Weight	Gross Train Weight
2000kg	2000kg	5500kg
2000kg	2000kg	5500kg
2000kg	2000kg	5500kg
2000kg	2000kg	5500kg
2000kg	2000kg	5500kg
2000kg	2000kg	5500kg
2000kg	2000kg	5500kg
2500kg	2000kg	6000kg*
2500kg	2000kg	6000kg*
2500kg	2000kg	6000kg*
2500kg	2000kg	6000kg*
2500kg	2000kg	6000kg*
2500kg	2000kg	6000kg*
2500kg	2000kg	6000kg*
2500kg	2000kg	6000kg*

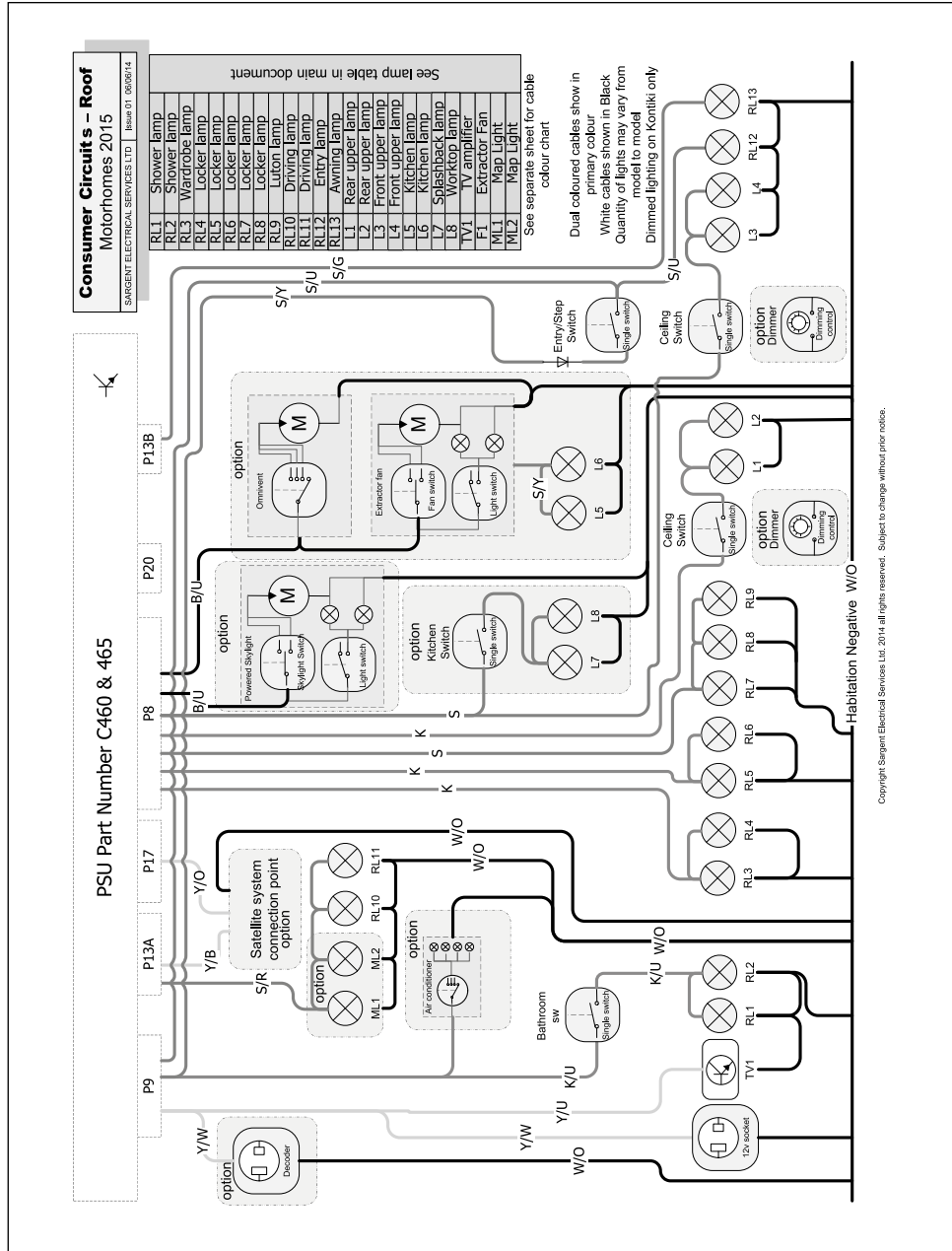
## Swift Bolero



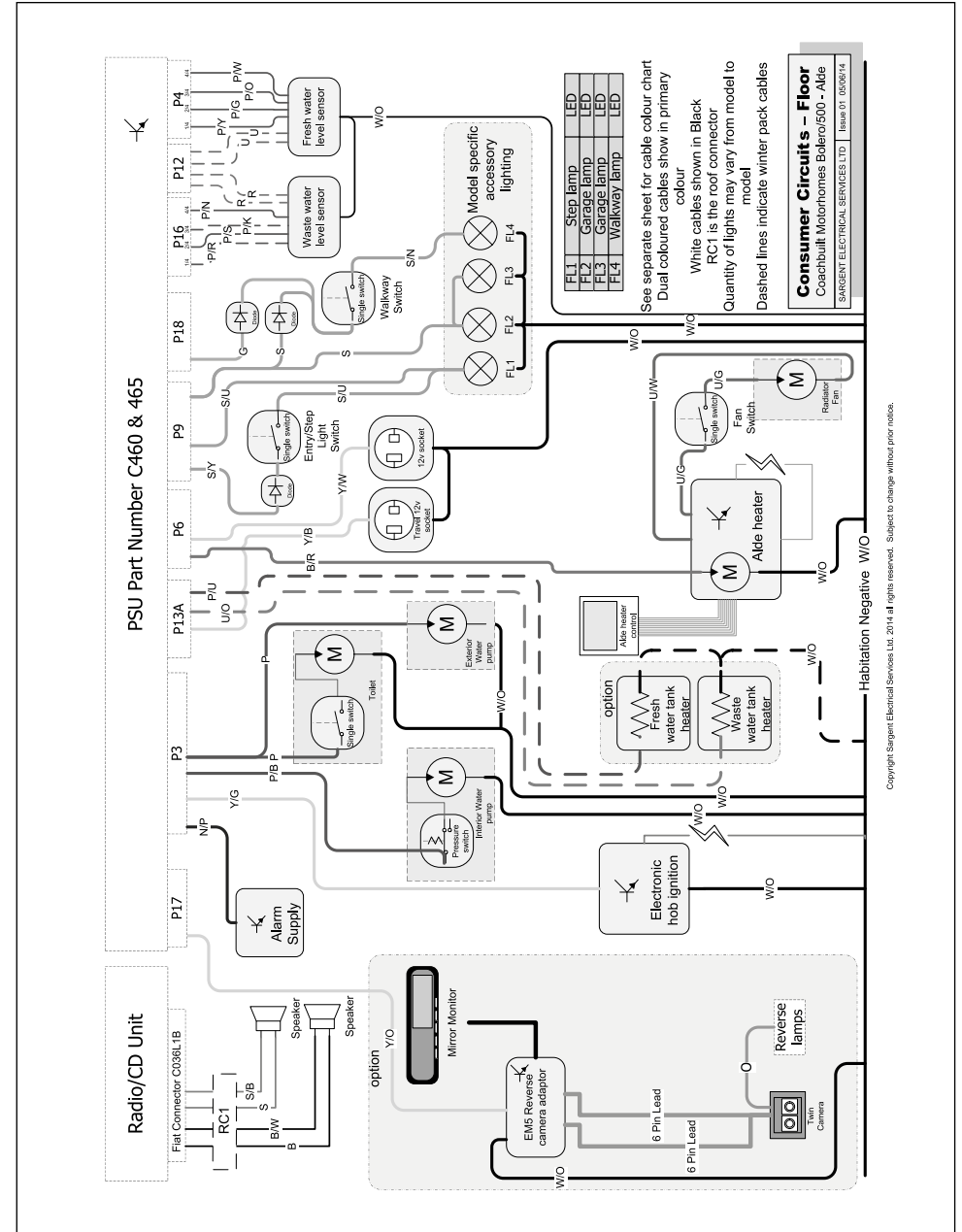
## Swift Bolero - Road lighting circuits



## Swift Bolero - Roof lighting circuits

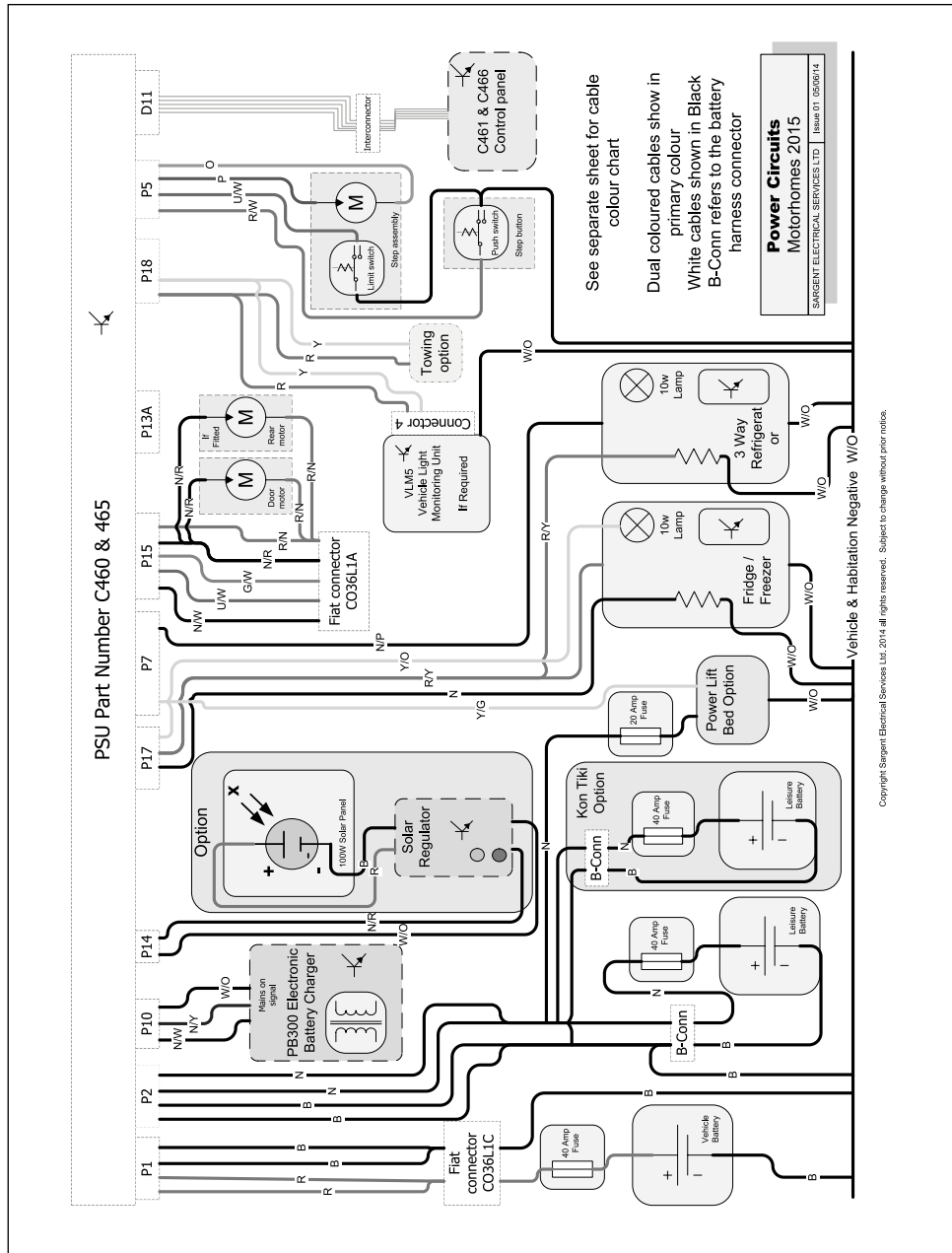


## Swift Bolero - Consumer Circuits - Floor circuits

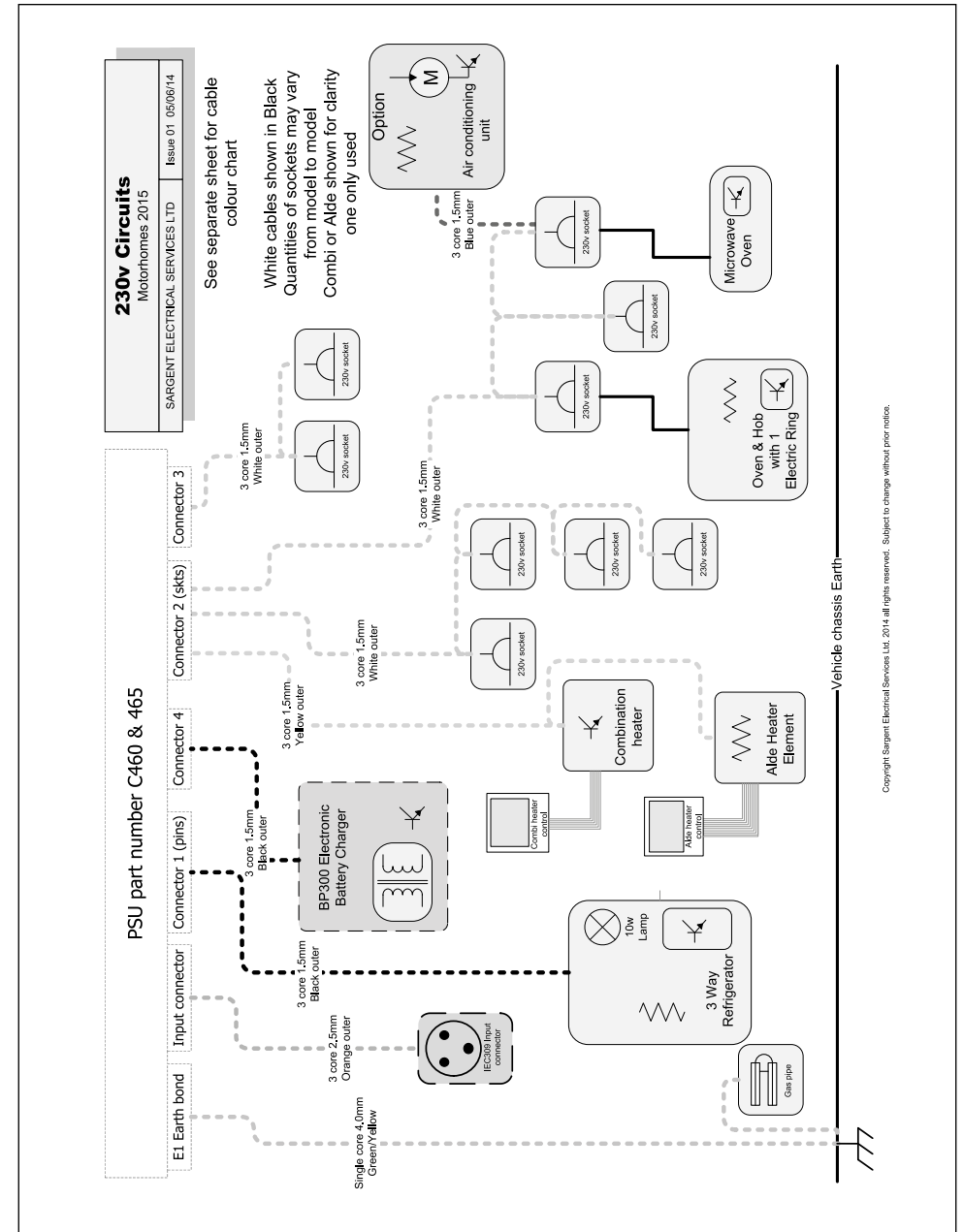




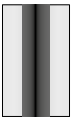
## Swift Bolero - Power circuits



## Swift Bolero - 230V circuits



## Swift Bolero - Cable Colour Chart



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

Example

**Cable Colour Chart**  
Swift Group

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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
Application	Bulb Reference	Bulb Rating
Locker spotlights, LED, with dimming control	FEM0854 complete lamp	12v LED
Downlights	LED complete lamp FEM01189	12v LED
China locker light	CCFL Complete lamp	12v 4.5w CCFL
Over locker / high level furniture lights	Flexible LED light strip (cut to length) FEM1214	12v LED
Illuminated panel backlighting	Flexible LED light strip (cut to length) FEM1214	12v LED
Ceiling lights, round, triple LED	FEM0858 complete lamp	12v LED
Worktop recessed lighting	LED 500mm / 1000mm LED ribbon	12v LED
B-pillar map reading lamps	LED Complete lamp on 'swan neck' flexible arm	12v LED
Walkway low level lights	LED complete lamp FEM0993	12v LED
Wardrobe light	Halogen capsule bulb	12v G4 5w
Awning lamp, LED	LED complete lamp FEM0945	12v LED
Step well light	LED complete lamp	12v LED

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

### **BOLERO 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.

