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Issued July 2012

Bolero / E500 Tech Handbook



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Standard Specifications

| Model | Bolero 630EW / E540 | Bolero 630PR / E520 | 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)† | 3130kg | 3190kg | 3150kg |
| Maximum User Payload (A-B) | 370kg | 310kg | 350kg |
| Unladen Weight | 2874kg | 2934kg | 2894kg |
| Essential Habitation Equipment | 8kg | 8kg | 8kg |
| 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 | 3315kg | 3280kg | 3345kg |
| 478kg | 935kg | 970kg | 905kg |
| 2966kg | 3059kg | 3024kg | 3089kg |
| 8kg | 8kg | 8kg | 8kg |
| 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 630EW / E540 | | Bolero 630PR / E520 | | Bolero 682FB / E562 | |
|--|--|-----------------|-------------------------------|-----------------|---|-----------------|
| Roof Profile | Low Profile | | Low Profile | | Low Profile | |
| Engine | 130 MJT Auto | 150 MJT Auto | 130 MJT Auto | 150 MJT Auto | 130 MJT Auto | 150 MJT Auto |
| Engine Capacity | 2287cc | | 2287cc | | 2287cc | |
| Engine Power | 96kW @ 3600rpm | 109kW @ 3600rpm | 96kW @ 3600rpm | 109kW @ 3600rpm | 96kW @ 3600rpm | 109kW @ 3600rpm |
| Torque | 320Nm @ 1800rpm | 350Nm @ 1500rpm | 320Nm @ 1800rpm | 350Nm @ 1500rpm | 320Nm @ 1800rpm | 350Nm @ 1500rpm |
| 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)† | 3147kg | | 3207kg | | 3167kg | |
| Maximum User Payload (A-B) | 353kg | | 293kg | | 333kg | |
| Unladen Weight | 2891kg | | 2951kg | | 2911kg | |
| Essential Habitation Equipment | 8kg | | 8kg | | 8kg | |
| 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 | | Low Profile | |
| 130 MJT Auto | 150 MJT Auto | 130 MJT Auto | 150 MJT Auto | 130 MJT Auto | 150 MJT Auto |
| 2287cc | | 2287cc | | 2287cc | |
| 96kW @ 3600rpm | 109kW @ 3600rpm | 96kW @ 3600rpm | 109kW @ 3600rpm | 96kW @ 3600rpm | 109kW @ 3600rpm |
| 320Nm @ 1800rpm | 350Nm @ 1500rpm | 320Nm @ 1800rpm | 350Nm @ 1500rpm | 320Nm @ 1800rpm | 350Nm @ 1500rpm |
| 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 | | 3222kg | | 3239kg | |
| 461kg | | 278kg | | 261kg | |
| 2983kg | | 2966kg | | 2983kg | |
| 8kg | | | | | |
| 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 | 150 MJT Auto | 150 MJT Auto |
| Engine Capacity | 2287cc | 2287cc | 2287cc |
| Engine Power | 109kW @ 3600rpm | 109kW @ 3600rpm | 109kW @ 3600rpm |
| Torque | 350Nm @ 1500rpm | 350Nm @ 1500rpm | 350Nm @ 1500rpm |
| 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)† | 3332kg | 3297kg | 3362kg |
| Maximum User Payload (A-B) | 918kg | 953kg | 888kg |
| Unladen Weight | 3076kg | 3041kg | 3106kg |
| Essential Habitation Equipment | 8kg | 8kg | 8kg |
| 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 | 8.5 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

Towing Capabilities

Bolero / E500 Series Towing Capabilities

| Model | Engine / Chassis | MTPLM | Permissible Front Axle Load |
|---------------------|--------------------|--------|-----------------------------|
| Bolero 630EW / E540 | 130MJT (2.3L) | 3500kg | 1850kg |
| Bolero 630EW / E540 | 150MJT (2.3L) AUTO | 3500kg | 1850kg |
| Bolero 630PR / E520 | 130MJT (2.3L) | 3500kg | 1850kg |
| Bolero 630PR / E520 | 150MJT (2.3L) AUTO | 3500kg | 1850kg |
| Bolero 682FB / E562 | 130MJT (2.3L) | 3500kg | 1850kg |
| Bolero 682FB / E562 | 150MJT (2.3L) AUTO | 3500kg | 1850kg |
| Bolero 684FB / E564 | 130MJT (2.3L) | 3700kg | 1850kg |
| Bolero 684FB / E564 | 150MJT (2.3L) AUTO | 3700kg | 1850kg |
| Bolero 684FB / E564 | 130MJT (2.3L) | 3500kg | 1850kg |
| Bolero 684FB / E564 | 150MJT (2.3L) AUTO | 3500kg | 1850kg |
| Bolero 712SB / E572 | 150MJT (2.3L) | 4250kg | 2100kg |
| Bolero 712SB / E572 | 150MJT (2.3L) AUTO | 4250kg | 2100kg |
| Bolero 722FB / E582 | 150MJT (2.3L) | 4250kg | 2100kg |
| Bolero 722FB / E582 | 150MJT (2.3L) AUTO | 4250kg | 2100kg |
| Bolero 724FB / E584 | 150MJT (2.3L) | 4250kg | 2100kg |
| Bolero 724FB / E584 | 150MJT (2.3L) AUTO | 4250kg | 2100kg |

| 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 |
| 2000kg | 2000kg | 5500kg |
| 2000kg | 2000kg | 5500kg |
| 2000kg | 2000kg | 5500kg |
| 2000kg | 2000kg | 5500kg |
| 2000kg | 2000kg | 5500kg |
| 2000kg | 2000kg | 5500kg |
| 2000kg | 2000kg | 5500kg |
| 2400kg | 2000kg | 6000kg* |
| 2400kg | 2000kg | 6000kg* |
| 2400kg | 2000kg | 6000kg* |
| 2400kg | 2000kg | 6000kg* |
| 2400kg | 2000kg | 6000kg* |
| 2400kg | 2000kg | 6000kg* |
| 2400kg | 2000kg | 6000kg* |

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.

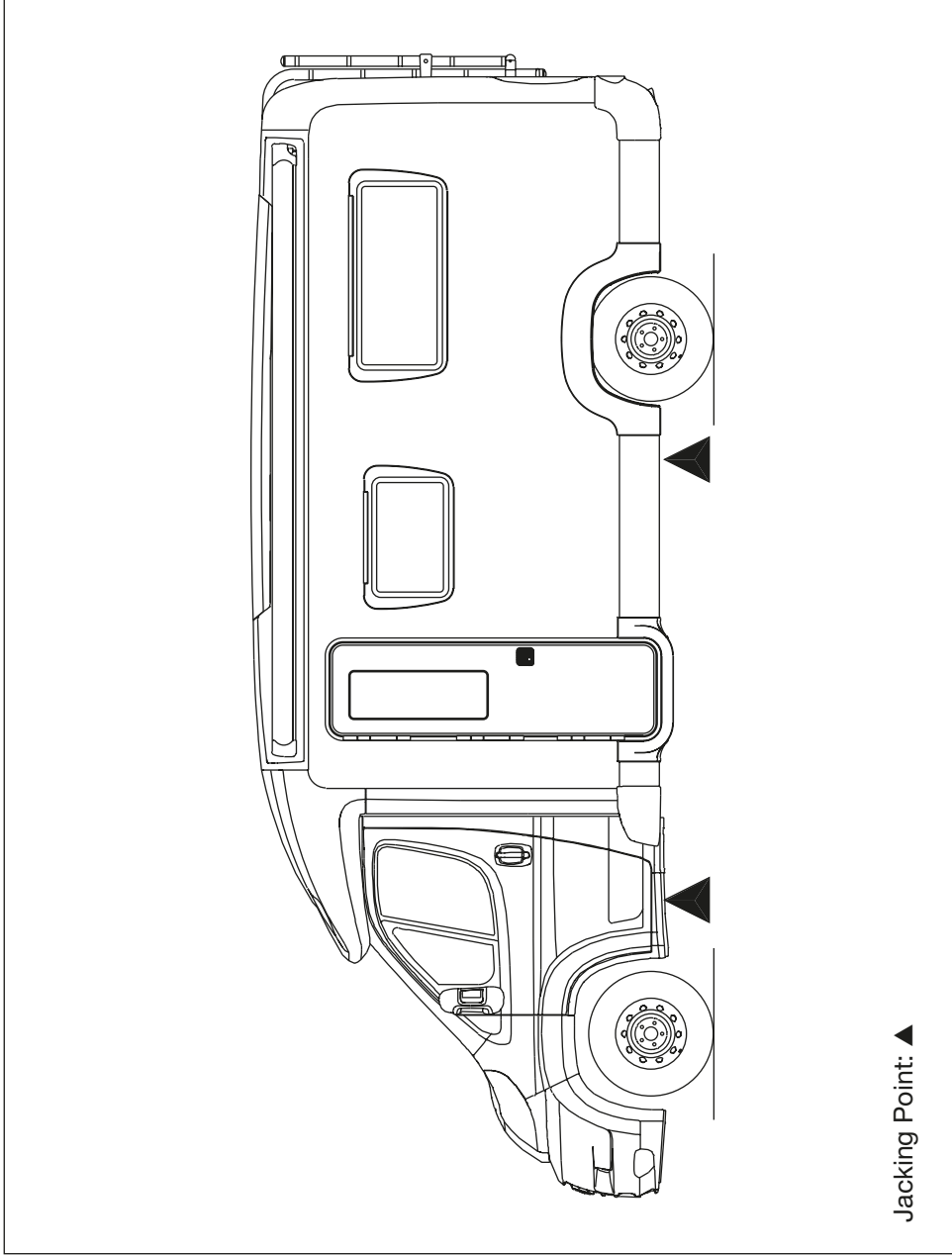
To ensure adequate road holding, the load on the front axle, under all conditions, must not be less than 40% or more than 70% of the total weight.

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

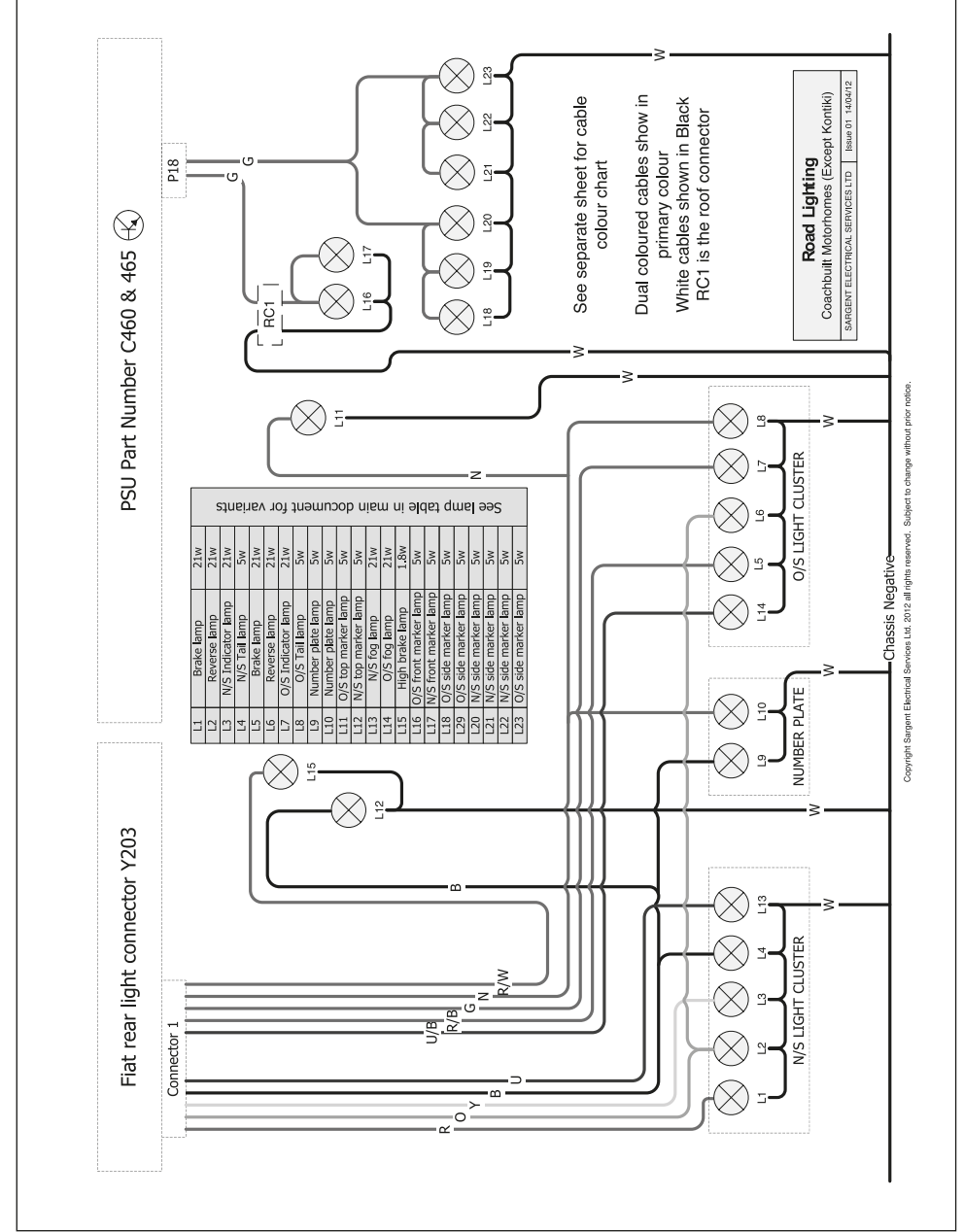
* With this vehicle configuration it will be necessary to reduce the payload carried inside the van when towing a trailer at maximum trailer weight to ensure that the Maximum Gross Train Weight and maximum axle loads are not exceeded.

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) 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.

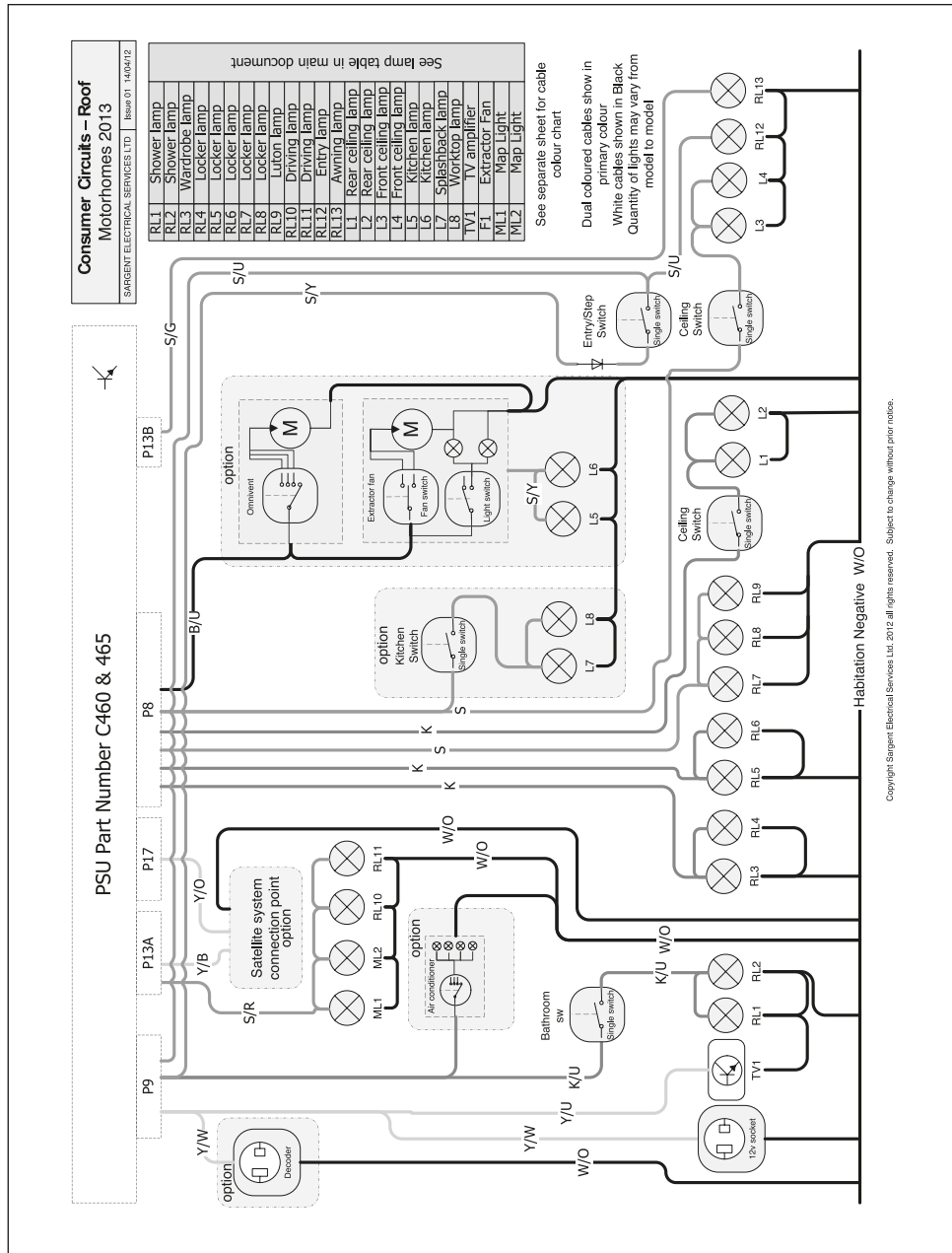
SWIFT BOLERO / E500 SERIES



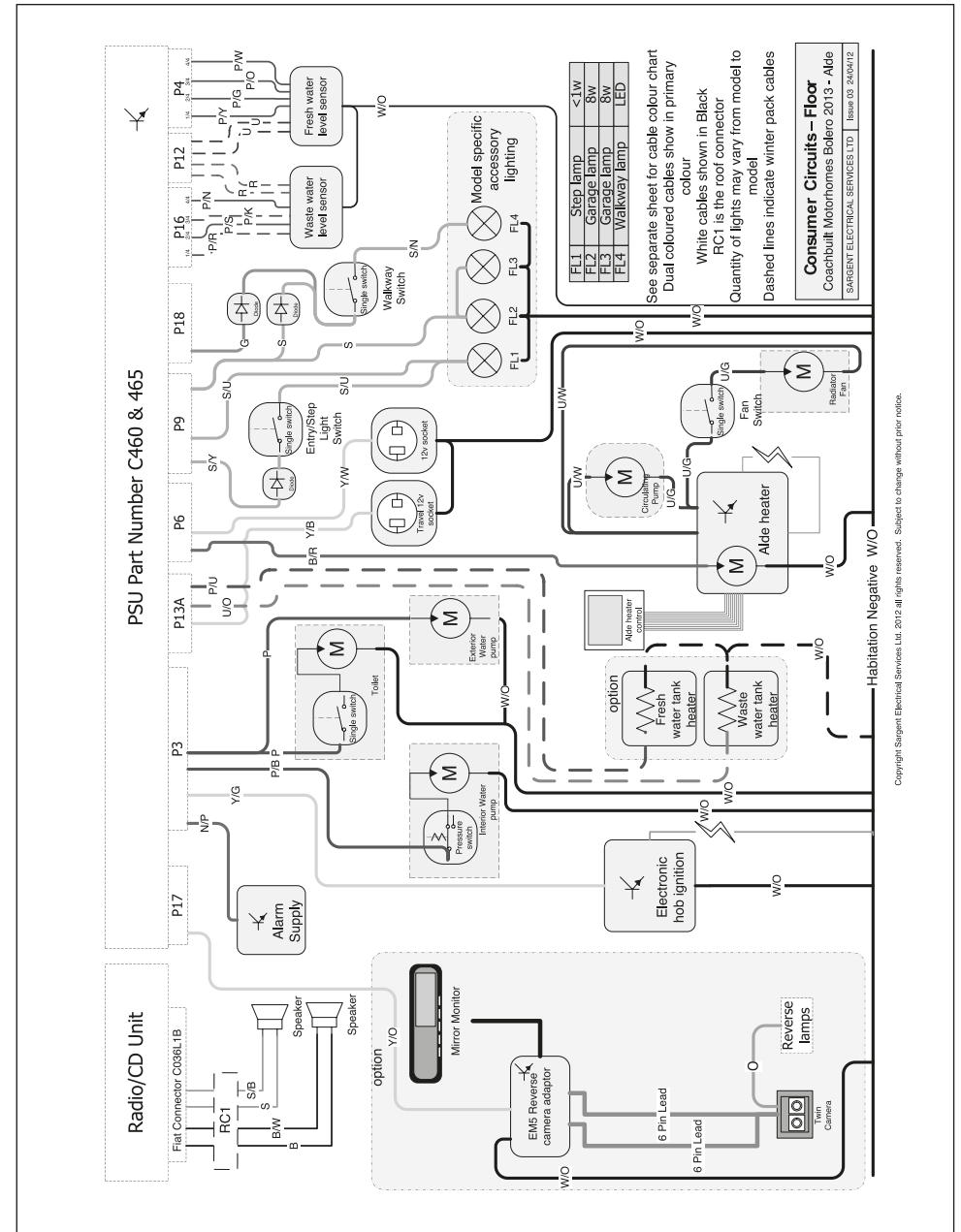
Bolero / E500 - Road lighting circuits



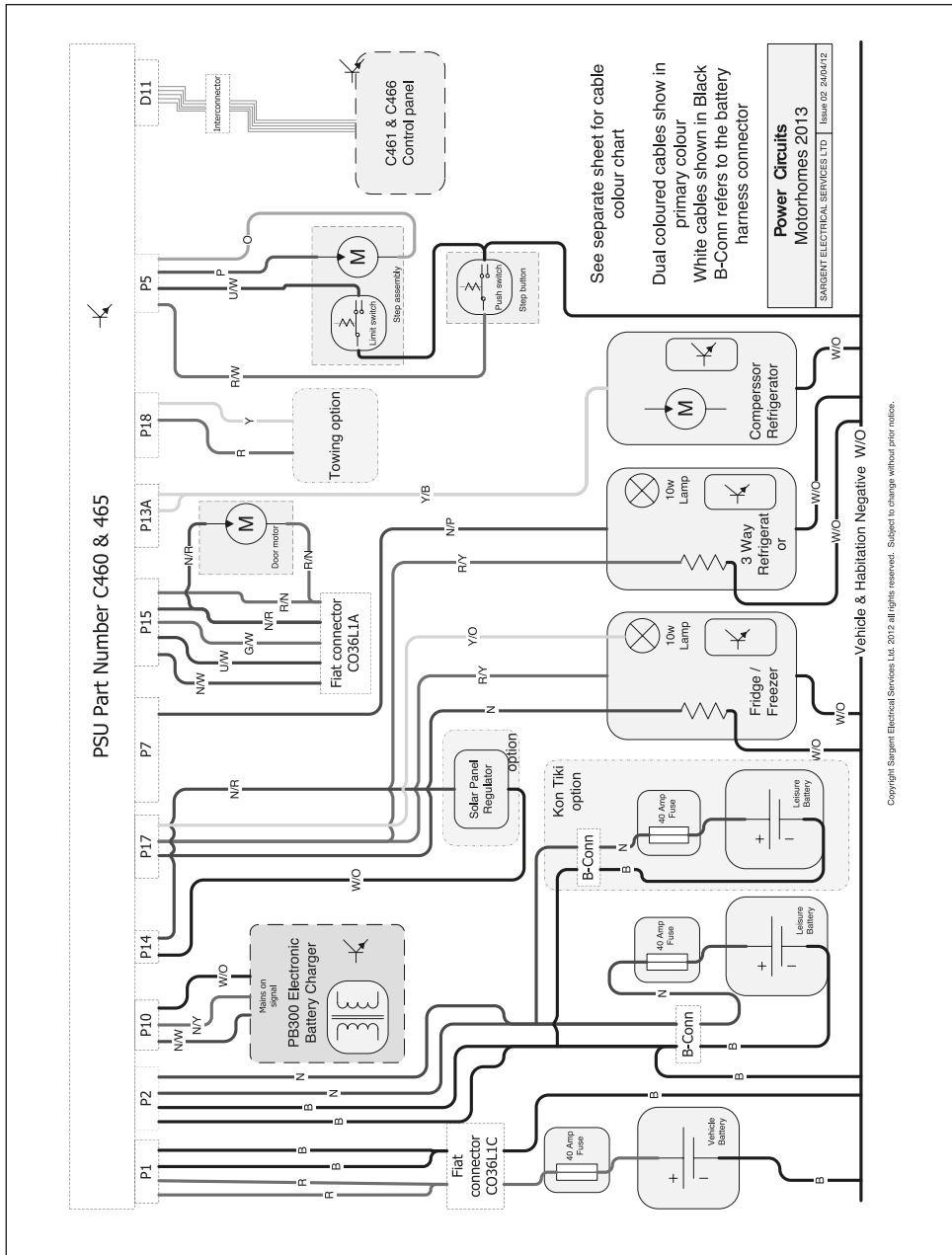
Bolero / E500 - Roof lighting circuits



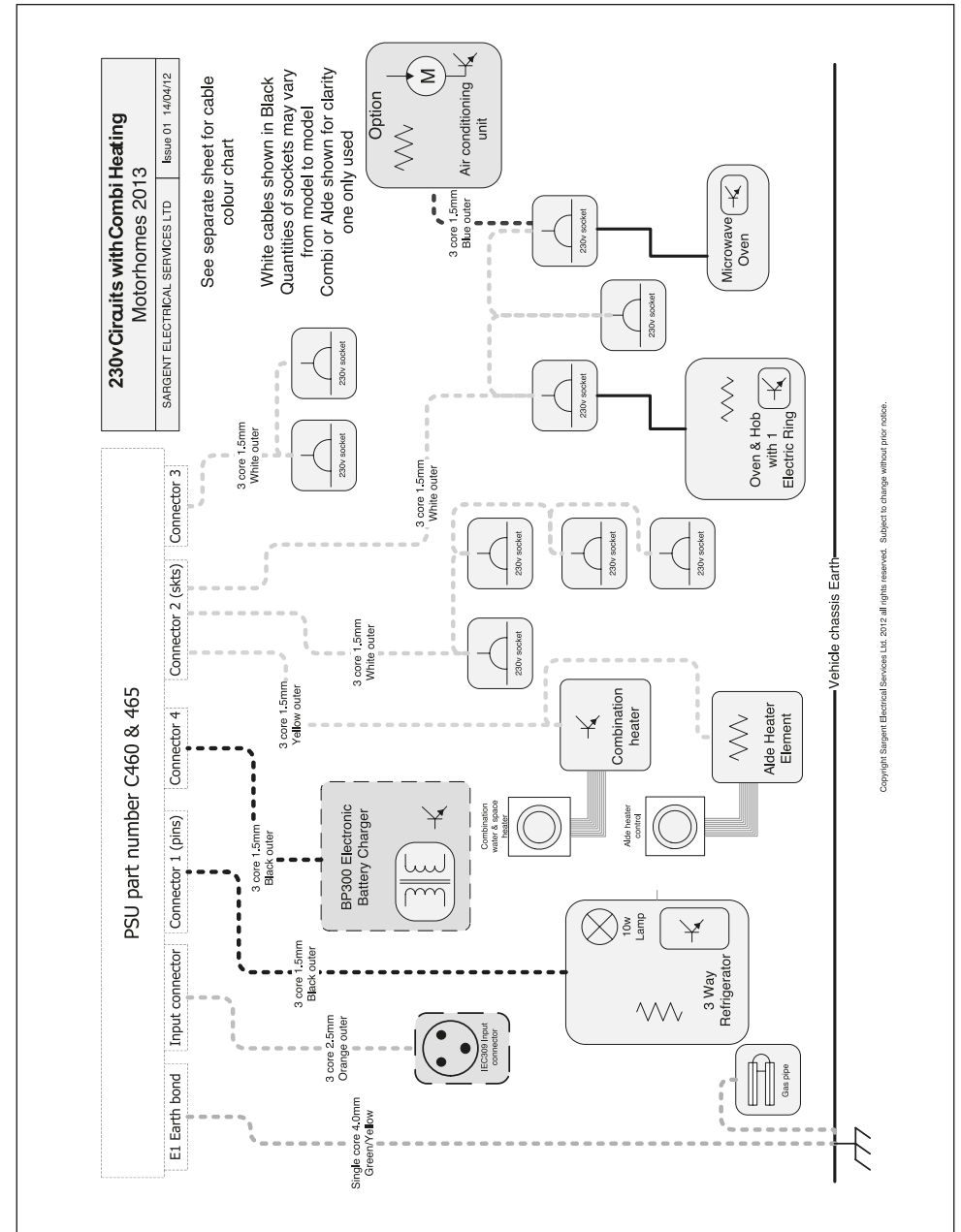
Bolero / E500 - Consumer Circuits - Floor circuits




Bolero / E500 - Power circuits



Bolero / E500 - 230V circuits with combi heating



Bolero / E500 - Cable Colour Chart



Y/U
Yellow cable with Blue stripe

Example

Cable Colour Chart
Swift Group 2009

SARGENT ELECTRICAL SERVICES LTD
Issue 01 01/09/08

| 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 | 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 | Forge Europa 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.

