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RIO, BESSACARR, BOLERO AND KON-TIKI

TECHNICAL HANDBOOK

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Rio Specifications

Model	Rio 310 Standard	Rio 310 Optional	
Roof Profile	Low Line		
Engine	130 MJT	130 MJT AUTO	
Engine Capacity	2.3ltr	2.3ltr	
Max Power	96kW @ 3600rpm	96kW @ 3600rpm	
Torque	320 @ 1800rpm	320 @ 1800rpm	
Chassis	MLWB Fiat Low	Line Chassis	
Wheel base	3.80m/	12'6"	
Designated Passenger Seats excluding Driver	1		
Berths (sleeping positions)	2		
Overall Length (no ladder)	5.99m/	19'8"	
Overall Width (mirrors folded)	2.26m/7'5"		
Overall Height	2.78m/9'1"		
Maximum Technical Permissible Laden Mass (A)	3500)kg	
Mass in Running Order (B)	2804kg	2821kg	
Maximum User Payload (A-B)	696kg	679kg	
Unladen Weight	2648kg	2665kg	
Essential Habitation Equipment	0kg	g	
Thermal Insulation Grade	Thre	96	
Bed Sizes			
Front Double	1.91m x 1.47m/1.03n	n / 6'3" x 4'10"/3'5"	
Front Nearside Single			
Front Offside Single			
Rear Double			
Rear Nearside Single			
Rear Offside Single			
Drop Down Bed			

Rio 320 Standard	Rio 320 Optional	Rio 325 Standard	Rio 325 Optional
Low	Line	Low	Line
130 MJT	130 MJT AUTO	130 MJT	130 MJT AUTO
2.3ltr	2.3ltr	2.3ltr	2.3ltr
96kW @ 3600rpm	96kW @ 3600rpm	96kW @ 3600rpm	96kW @ 3600rpm
320 @ 1800rpm	320 @ 1800rpm	320 @ 1800rpm	320 @ 1800rpm
LWB Fiat Low	Line Chassis	MLWB Fiat Lov	w Line Chassis
4.04m	/13'3"	3.80m	/12'6"
	1	3	3
	2	2	2
6.40m	/21'0"	5.99m	/19'8"
2.26n	n/7'5"	2.26m	1/7'5"
2.78n	n/9'1"	2.78m/9'1"	
350	l0kg	3500kg	
2905kg	2922kg	2838kg	2855kg
595kg	578kg	662kg	645kg
2749kg	2766kg	2682kg	2699kg
01	kg	Okg	
Th	ree	Three	
1.94m x 1.40	1.94m x 1.40m/6'4" x 4'7"		
1.80m x 0.70r	m/5'11" x 2'4"		
1.84m x 0.70	m/6'0" x 2'4"		
<u> </u>		1.84m x 1.33	m/6'0" x 4'4"

- 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 1 x 6kg Calor Lite LPG cylinder.
- 3. The Mass in running order is calculated with the fresh water tank and water heater empty. If you travel with water in the fresh water tank or water heater then the payload will reduce accordingly.
- 4. 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.
- 5. WARNING UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.

Rio Specifications

Model	Rio 340 Standard	Rio 340 Optional	
Roof Profile	Low	Line	
Engine	130 MJT	130 MJT AUTO	
Engine Capacity	2.3ltr	2.3ltr	
Max Power	96kW @ 3600rpm	96kW @ 3600rpm	
Torque	320 @ 1800rpm	320 @ 1800rpm	
Chassis	LWB Fiat Lov	Line Chassis	
Wheel base	4.04m	1/13'3"	
Designated Passenger Seats excluding Driver		3	
Berths (sleeping positions)		4	
Overall Length (no ladder)	6.40m	/21'0"	
Overall Width (mirrors folded)	2.26r	n/7'5"	
Overall Height	2.78r	n/9'1"	
Maximum Technical Permissible Laden Mass (A)	350	00kg	
Mass in Running Order (B)	2986kg	3003kg	
Maximum User Payload (A-B)	514kg	497kg	
Unladen Weight	2830kg	2847kg	
Essential Habitation Equipment	0	kg	
Thermal Insulation Grade	Th	ree	
Bed Sizes			
Front Double			
Front Nearside Single			
Front Offside Single			
Rear Double	1.93m x 1.26	m/6'4" x 4'2"	
Rear Nearside Single			
Rear Offside Single			
Drop Down Bed at Rear	1.86m x 1.23	lm/6'1" x 4'0"	
	1		

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)
- 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 1 x 6kg Calor Lite LPG cylinder.
- 3. The Mass in running order is calculated with the fresh water tank and water heater empty. If you travel with water in the fresh water tank or water heater then the payload will reduce accordingly.
- 4. 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.
- 5. WARNING UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.

Rio Capacities

Water Tank Capacities

	Fresh Water Tank	Waste Water Tank	Water Heater
Rio	86 litre	68 litre	10 litre

LPG Locker Capacity

	Capacity
Rio	2 x 6kg

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

Rio Towing Capabilities

Model	MTPLM	Permissible Front Axle Load	Permissible Rear Axle Load	Recommended Maximum Trailer Weight	Gross Train Weight
Rio 310	3500kg	1850kg	2000kg	2000kg	5500kg
Rio 320	3500kg	1850kg	2000kg	2000kg	5500kg
Rio 325	3500kg	1850kg	2000kg	2000kg	5500kg
Rio 340	3500kg	1850kg	2000kg	2000kg	5500kg

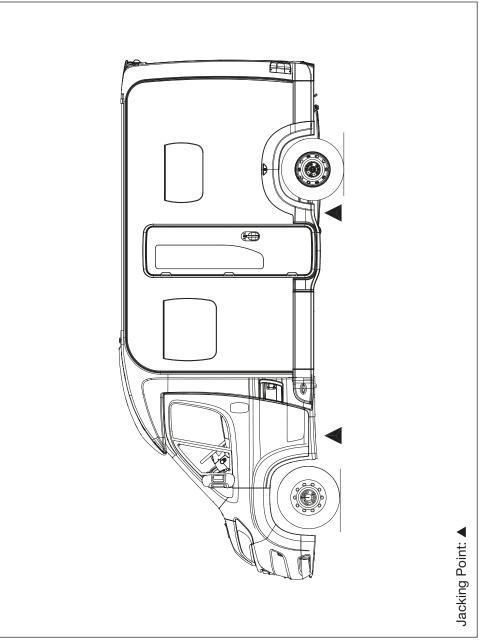
Note: That the additional weight of the tow bar and trailer nose weight increases the rear axle loading of the motor home so care should be taken that the rear axle load is not exceeded when towing.

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.

⚠ 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.

Rio Jacking Points



Model	Bessacarr 412 Standard	Bessacarr 412 Optional	
Roof Profile	Low Line		
Engine	130 MJT	130 MJT AUTO	
Engine Capacity	2.3Ltr	2.3Ltr	
Max Power	96kW @ 3600rpm	96kW @ 3600rpm	
Torque	320 @ 1800rpm	320 @ 1800rpm	
Chassis	SWB Fiat Low	Line Chassis	
Wheel base	3.00m/	9'10"	
Designated Passenger Seats excluding Driver	1		
Berths (sleeping positions)	2		
Overall Length (no ladder)**	5.98m/	19'7"	
Overall Width (mirrors folded)	2.38m/7'10"		
Overall Height**	2.82m/9'3"		
Maximum Technical Permissible Laden Mass (A)	3500kg		
Mass in Running Order (B)	2885kg *	2902kg *	
Maximum User Payload (A-B)	615kg *	598kg *	
Unladen Weight	2729kg *	2746kg *	
Essential Habitation Equipment	0kg	9	
Thermal Insulation Grade	Thre	ee	
Bed Sizes			
Front Double	2.01m x 1.30n	n/6'6" x 4'3"	
Front Nearside Single	1.87m x 0.68n	n/6'2" x 2'2"	
Front Offside Single	1.87m x 0.68m/6'2" x 2'2"		
Rear Double			
Rear Nearside Single			
Rear Offside Single			
Manual Drop Down Bed			

- 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 1 x 6kg Calor Lite LPG cylinder.
- The Mass in running order is calculated with the fresh water tank and water heater empty. If you travel with water in the fresh water tank or water heater then the payload will reduce accordingly.

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

 * Estimated
- ** For Optional Roof Ladder (Add 125mm length and 40mm height)

Bessacarr 424 Standard	Bessacarr 424 Optional	Bessacarr 462 Standard	Bessacarr 462 Optional
High	Line	Low	Line
130 MJT	130 MJT AUTO	130 MJT	130 MJT AUTO
2.3Ltr	2.3Ltr	2.3Ltr	2.3Ltr
96kW @ 3600rpm	96kW @ 3600rpm	96kW @ 3600rpm	96kW @ 3600rpm
320 @ 1800rpm	320 @ 1800rpm	320 @ 1800rpm	320 @ 1800rpm
MLWB Fiat Lov	v Line Chassis	MWB Fiat Lov	w Line Chassis
3.80m	/12'6"	3.45n	n/11'4"
3	}		1
4	1		2
5.99m/	19'8"*	6.53m	n/21'5"*
2.38m	/7'10"	2.38n	n/7'10"
2.82m	1/9'3"	2.82m/9'3"	
350	0kg	3500kg	
2990kg *	3007kg *	3000kg *	3017kg *
510kg *	493kg *	500kg *	483kg *
2834kg *	2851kg *	2844kg *	2861kg *
Ok	(g	Okg	
Thr	ree	Th	nree
2.09m x 1.50m/104c	m / 6'9" x 4'11"/3'5"		
			m/6'11" x 6'1"
		1.82m x 0.64m/6'0" x 2'1"	
		1.82m x 0.64	4m/6'0" x 2'1"
1.90m x 1.27	m/6'2" x 4'2"		

Model	Bessacarr 484 Standard	Bessacarr 484 Optional Engine	Bessacarr 484 Lounge Standard	Bessacarr 484 Lounge Optional Engine
Roof Profile	Low	Line	Low	Line
Engine	130 MJT	130 MJT AUTO	130 MJT	130 MJT AUTO
Engine Capacity	2.0	3Ltr	2.3	3Ltr
Max Power	96kW @	3600rpm	96kW @	3600rpm
Torque	320 @ 1	1800 rpm	320 @	1800rpm
Chassis		LWB Fiat Lov	v Line Chassis	
Wheel base		4.04n	n/13'3"	
Designated Passenger Seats excluding Driver		3		1
Berths (sleeping positions)			4	
Overall Length (no ladder)**		7.08m/23'3"*		
Overall Width (mirrors folded)		2.38m/7 ¹ 10"		
Overall Height**		2.82m/9'3"		
Maximum Technical Permissible Laden Mass (A)		350	00kg	
Mass in Running Order (B)	3105kg *	3122kg *	3070kg *	3087kg *
Maximum User Payload (A-B)	395kg *	378kg *	430kg *	413kg *
Unladen Weight	2949kg *	2966kg *	2914kg *	2931kg *
Essential Habitation Equipment		0	lkg	
Thermal Insulation Grade		TH	REE	
Bed Sizes				
Front Double		2.09m x 1.23m/1.0	04m/6'9" x 4'0"/3'5"	
Front Nearside Single				
Front Offside Single				
Rear Double		1.99m x 1.30m/6'6" x 4'3"		
Rear Nearside Single				
Rear Offside Single				
Manual Drop Down Bed				

- 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 1 x 6kg Calor Lite LPG cylinder.
- The Mass in running order is calculated with the fresh water tank and water heater empty. If you travel with water in the fresh water tank or water heater then the payload will reduce accordingly.

 4. PLEASE TAKE CARE TO ENSURE THAT YOU HAVE
- 4. 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.
- 5. WARNING UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE
- EXCEEDED.

 * Estimated
- ** For Optional Roof Ladder (Add 125mm length and 40mm height)

Bessacarr 454 Standard	Bessacarr 454 Optional Engine	Bessacarr 454 Lounge Standard	Bessacarr 454 Lounge Optional Engine
Low	Line	Low	Line
130 MJT	130 MJT AUTO	130 MJT	130 MJT AUTO
2.3	BLtr	2.3	BLtr
96kW @	3600rpm	96kW @	3600rpm
320 @	800rpm	320 @ 1	800rpm
	LWB Fiat Low	Line Chassis	
	4.04m	/13'3"	
	3	-	1
	7.08m		
	2.38m		
	2.82n		
		0kg	
3080kg *	3097kg *	3045kg *	3062kg *
420kg *	403kg *	455kg *	438kg *
2924kg *	2941kg *	2889kg *	2906kg *
		(g	
	THI	REE	
	2.09m x 1.23m/1.0	4m/6'9" x 4'0"/3'5"	
	1.91m x 1.27	m/6'3" x 4'2"	

Model	Bessacarr 442 Standard	Bessacarr 442 Optional	
Roof Profile	Low Line		
Engine	130 MJT	130 MJT AUTO	
Engine Capacity	2.3Ltr	2.3Ltr	
Engine Power	96kW @ 3600rpm	96kW @ 3600rpm	
Torque	320 @ 1800rpm	320 @ 1800rpm	
Chassis	LWB Fiat Low Li	ine Chassis	
Wheel base	4.04m/1	3'3"	
Designated Passenger Seats excluding Driver	1		
Berths (sleeping positions)	2		
Overall Length (no ladder)**	7.36m/2	4'2"	
Overall Width (mirrors folded)	2.38m/7'10"		
Overall Height**	2.82m/9'3"		
Maximum Technical Permissible Laden Mass (A)	3500k	g	
Mass in Running Order (B)	3085kg *	3102kg *	
Maximum User Payload (A-B)	415kg *	398kg *	
Unladen Weight	2929kg *	2946kg *	
Essential Habitation Equipment	0kg		
Thermal Insulation Grade	THRE	E	
Bed Sizes			
Front Double	2.01m x 1.42m/	/6'6" x 4'8"	
Front Nearside Single	1.88m x 0.68m/6'2" x 2'2"		
Front Offside Single	1.88m x 0.68m/6'2" x 2'2"		
Rear Double			
Rear Nearside Single			
Rear Offside Single			
Manual Drop Down Bed			

- 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 1 x 6kg Calor Lite LPG cylinder.
- The Mass in running order is calculated with the fresh water tank and water heater empty. If you travel with water in the fresh water tank or water heater then the payload will reduce accordingly.

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

INTEND TO CARRY IN THE MOTOR CARAVAN,

- 5. WARNING UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.
- * Estimated
- ** For Optional Roof Ladder (Add 125mm length and 40mm height)

Bessacarr 494 Standard	Bessacarr 494 Optional Engine	Bessacarr 494 Lounge Standard	Bessacarr 494 Lounge Optional Engine	
Low	Line	Low	Line	
130 MJT	130 MJT AUTO	130 MJT	130 MJT AUTO	
2.3	ELtr	2.3	BLtr	
96kW @	3600rpm	96kW @	3600rpm	
320 @ ·	800rpm	320 @ 1	1800rpm	
		w Line Chassis		
		1/14'8"		
;	3	<u> </u>	1	
		4		
	7.75m			
		1/7'10"		
	2.76n			
	0kg	3500kg		
3195kg *	3212kg *	3160kg *	3177kg *	
505kg *	488kg *	340kg *	323kg *	
3039kg *	3056kg *	3004kg *	3021kg *	
		kg		
	IHI	REE		
	2.00m v 1.22m/1.0	4m/6'9" x 4'0"/3'5"		
	2.09111 x 1.2311/1.0	411/0 9		
	1 05m v 1 33	m/6'5" x 4'4"		
	1.33111 X 1.33	111/0 U A T T		

Model	Bessacarr 496 Standard	Bessacarr 496 Optional		
Roof Profile	High Line			
Engine	130 MJT	130 MJT AUTO		
Engine Capacity	2.3Ltr	2.3Ltr		
Engine Power	96kW @ 3600rpm	96kW @ 3600rpm		
Torque	320 @ 1800rpm	320 @ 1800rpm		
Chassis	Fiat/AL-KO Low	Line Chassis		
Wheel base	4.70m/	15'5"		
Designated Passenger Seats excluding Driver	5			
Berths (sleeping positions)	6			
Overall Length (no ladder)**	7.75m/25'5"			
Overall Width (mirrors folded)	2.38m/7'10"			
Overall Height**	2.82m/9'3"			
Maximum Technical Permissible Laden Mass (A)	4250	kg		
Mass in Running Order (B)	3330kg	3347kg		
Maximum User Payload (A-B)	920kg	903kg		
Unladen Weight	3174kg	3191kg		
Essential Habitation Equipment	Okg			
Thermal Insulation Grade	THRE	E		
Bed Sizes				
Front Double	2.09m x 1.80m/1.21n	n/6'9" x 5'11"/4'0"		
Front Nearside Single				
Front Offside Single	1.80m x 0.92m	/5'11" x 3'0"		
Rear Double	2.02m x 1.63m	/6'11" x 5'3"		
Rear Nearside Single	1.81m x 0.64m	ı/5'9" x 2'2"		
Rear Offside Single	1.63m x 0.64m/5'3" x 2'2"			
Manual Drop Down Bed	1.96m x 1.33m	ı/6'4" 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 and 1 x 6kg Calor Lite LPG cylinder.
- 3. The Mass in running order is calculated with the fresh water tank and water heater empty. If you travel with water in the fresh water tank or water heater then the payload will reduce accordingly. 4. PLEASE TAKE CARE TO ENSURE THAT YOU HAVE ALLOWED FOR THE MASSES OF ALL ITEMS YOU
- e.g. passengers, optional equipment, essential habitation equipment and personal effects, such as clothing, food, pets, bicycles, sailboards, sports equipment etc.

INTEND TO CARRY IN THE MOTOR CARAVAN,

- 5. WARNING UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.
- ** For Optional Roof Ladder (Add 125mm length and 40mm height)

Water Tank Capacities

	Fresh Water Tank	Waste Water Tank	Water Heater
Bessacarr	90 litre	68 litre	10 litre
Bessacarr 462	94 litre	60 litre	10 litre

LPG Locker Capacity

	Capacity
Bessacarr	2 x 13kg
Bessacarr 424	2 x 6kg

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

Bessacarr Towing Capabilities

Model	MTPLM	Permissible Front Axle Load	Permissible Rear Axle Load	Recommended Maximum Trailer Weight	Gross Train Weight
Bessacarr 412**	3500kg	1850kg	2000kg	1600kg	5100kg
Bessacarr 424**	3500kg	1850kg	2000kg	1600kg	5100kg
Bessacarr 462	3500kg	1850kg	2000kg	1600kg	5100kg
Bessacarr 484 Lounge**	3500kg	1850kg	2000kg	1600kg	5100kg
Bessacarr 484**	3500kg	1850kg	2000kg	1600kg	5100kg
Bessacarr 454	3500kg	1850kg	2000kg	1600kg	5100kg
Bessacarr 442	3500kg	1850kg	2000kg	1600kg	5100kg
Bessacarr 494 Lounge	3500kg	1850kg	2000kg	2000kg	5500kg
Bessacarr 494	3700kg	1850kg	2000kg#	2000kg	5500kg
Bessacarr 496	4250kg	2100kg	2500kg#	2000kg	6000kg

⚠ 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.

Please note that the additional weight of the tow bar and trailer nose weight increases the rear axle loading of the motor home so care should be taken that the rear axle load is not exceeded when towing.

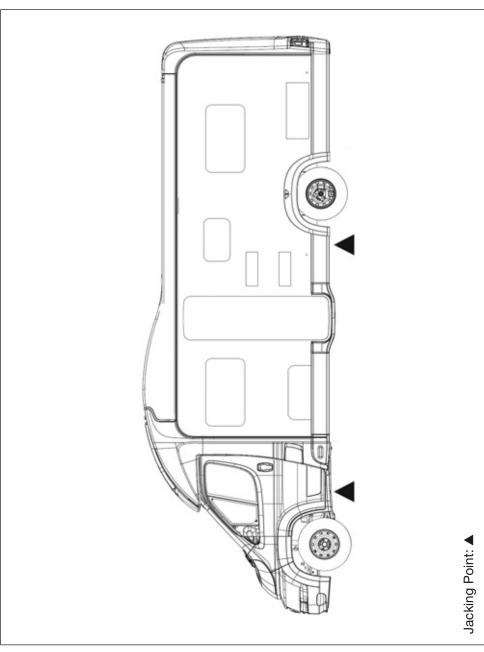
** With this vehicle configuration it will be necessary to reduce the payload carried inside the van when towing to ensure that the MTPLM and maximum axle loads are not exceeded.

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 3700kg, then the maximum trailer weight possible is 1800kg. 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.

Bessacarr Jacking Points



Bolero Specifications

Model	Bolero 684FB Lounge				
Roof Profile		Low Profile			
Engine	130 MJT	150 MJT Auto			
Engine Capacity	2.3Ltr	2.3Ltr	2.3Ltr		
Engine Power	97kW @ 3600rpm	97kW @ 3600rpm	110kW @ 3600rpm		
Torque	320Nm @ 1800rpm	320Nm @ 1800rpm	380Nm @ 1500rpm		
Chassis		Fiat AL-KO low line			
Wheel base		4.04m/13'3"			
Designated Passenger Seats excluding Driver		1			
Berths (sleeping positions)		4			
Overall Length (no ladder)**		7.09m/23'3"			
Overall Width (mirrors folded)	2.38m/7'10"				
Overall Height	2.79m/9'2"				
Maximum Technical Permissible Laden Mass (A)	3500kg	3500kg	3500kg		
Mass in Running Order (B)	3110kg	3127kg	3143kg		
Maximum User Payload (A-B)	390kg	373kg	357kg		
Unladen Weight	2954kg	2971kg	2987kg		
Essential Habitation Equipment		0kg			
Thermal Insulation Grade		THREE			
Bed Sizes					
Front Double		2.01m x 1.21m/1.04m / 6'7" x 4'0"/3'5"			
Front Nearside Single					
Front Offside Single					
Rear Double		1.91m x 1.27m / 6'3" x 4'2"			
Rear Nearside Single					
Rear Offside Single					

	Low Profile	
130 MJT	130 MJT Auto	150 MJT Auto
2.3Ltr	2.3Ltr	2.3Ltr
97kW @ 3600rpm	97kW @ 3600rpm	110kW @ 3600rpm
320Nm @ 1800rpm	320Nm @ 1800rpm	380Nm @ 1500rpm
	Fiat AL-KO low line	
	4.04m/13'3"	
	3	
	4	
	7.09m/23'3"	
	2.38m/7'10"	
	2.79m/9'2"	
3700kg	3700kg	3700kg
3165kg	3182kg	3198kg
535kg	518kg	502kg
3009kg	3026kg	3042kg
	0kg	
	THREE	
	2.01m x 1.21m/1.04m / 6'7" x 4'0"/3'5"	
	07 840733	
	1.91m x 1.27m / 6'3" x 4'2"	
		-

Bolero 684FB

- 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 1 x 6kg Calor Lite LPG cylinder.
- The Mass in running order is calculated with the fresh water tank and water heater empty. If you travel with water in the fresh water tank or water heater then the payload will reduce accordingly. (Note. The central heating fluid is included in the MRO)
- 4. 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.
- 5. WARNING UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.

^{**} For optional roof ladder add 100mm.

Bolero Specifications

Model	Bolero 714	ISB Lounge	Bolero 714SB		
Roof Profile	Low	Low Profile Low Profile		Profile	
Engine	150 MJT	150 MJT Auto	150 MJT 150 M		
Engine Capacity	2.3	BLtr	2.:	3Ltr	
Engine Power	110kW @	3600rpm	110kW @	3600rpm	
Torque	380Nm @	1500rpm	380Nm @	1500rpm	
Chassis		Fiat AL-K) low line		
Wheel base		4.40m	/14'5"		
Designated Passenger Seats excluding Driver		1		3	
Berths (sleeping positions)		4		4	
Overall Length (no ladder)**	7.77m	1/25'6"	7.77n	1/25'6"	
Overall Width (mirrors folded)	2.38m	1/7'10"	2.38m/7'10"		
Overall Height	2.79r	n/9'2"	2.79m/9'2"		
Maximum Technical Permissible Laden Mass (A)	4250kg	4250kg	4250kg	4250kg	
Mass in Running Order (B)	3235kg	3252kg	3295kg	3312kg	
Maximum User Payload (A-B)	1015kg	998kg	955kg	938kg	
Unladen Weight	3079kg	3096kg	3139kg	3156kg	
Essential Habitation Equipment	0	kg	0	kg	
Thermal Insulation Grade	TH	REE	TH	REE	
Bed Sizes					
Front Double		2.01m x 1.2 6'7" x 4			
Front Nearside Single					
Front Offside Single					
Rear Double					
Rear Nearside Single		1.91m x 0.71n	n / 6'3" x 2'4"		
Rear Offside Single		1.95m x 0.71r	n / 6'5" x 2'4"		

DOIOIO 12	2 20090	20.0.0				
Low	Profile	Low	Profile	Low Profile		
150 MJT	150 MJT Auto	150 MJT	150 MJT Auto	150 MJT	150 MJT Auto	
2.	3Ltr	2.3Ltr		2.	3Ltr	
110kW @	© 3600rpm	110kW @	3600rpm	110kW @	3600rpm	
380Nm @	2 1500rpm	380Nm @	1500rpm	380Nm @	1500rpm	
		Fiat AL-K	O low line			
		4.40m	1/14'5"			
	1	;	3		3	
	4		4		4	
7.77n	n/25'6"	7.77m	/25'6"	8.07n	1/26'6"	
2.38n	n/7'10"	2.38m	/7'10"	2.38n	1/7'10"	
2.79	m/9'2"	2.79r	n/9'2"	2.79	n/9'2"	
425	50kg	425	50kg	425	50kg	
3260kg	3277kg	3280kg	3297kg	3390kg	3407kg	
990kg	973kg	970kg	953kg	860kg	843kg	
3104kg	3121kg	3124kg	3141kg	3234kg	3234kg	
0	lkg	0	kg	0	kg	
TH	IREE	TH	REE	TH	REE	
	2.01m x 1.2		1m/1.04m / '0"/3'5"		2.01m x 1.51m/1.04m / 6'7" x 4'11"/3'5"	
	37 89	0,00		37 14	,50	
	1.85m x 1.30i	m / 6'1" x 4'3"		2.01m x 1.85	m / 6'7" x 6'1"	
				1.85m x 0.68	m / 6'1" x 2'3"	
				1.85m x 0.68		

Bolero 724FB

Bolero 744PR

Bolero 724FB Lounge

- 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 1 x 6kg Calor Lite LPG cylinder.
- The Mass in running order is calculated with the fresh water tank and water heater empty. If you travel with water in the fresh water tank or water heater then the payload will reduce accordingly. (Note. The central heating fluid is included in the MRO)
- 4. 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.
- 5. WARNING UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.
- ** For optional roof ladder add 100mm.

Bolero Capacities

Water Tank Capacities

	Fresh Water Tank	Waste Water Tank	Water Heater
All models	94 litre	95 litre	8.5 litre

LPG Locker Capacity

	Capacity
Bolero	2 x 13kg

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

Bolero Towing Capabilities

Bolero Towing Capabilities

Model	Engine / Chassis	MTPLM	Permissible Front Axle Load	Permissible Rear Axle Load	Recommended Maximum Trailer Weight	Gross Train Weight
Bolero 684FB†	130 / 150 MJT (2.3L)	3700kg	1850kg	2000kg	2000kg	5500kg
Bolero 684FB Lounge	130 / 150 MJT (2.3L)	3500kg	1850kg	2000kg	2000kg	5500kg
Bolero 714SB†	130 / 150 MJT (2.3L)	4250kg	2100kg	2500kg	2000kg	6000kg
Bolero 714SB [†] Lounge	130 / 150 MJT (2.3L)	4250kg	2100kg	2500kg	2000kg	6000kg
Bolero 724FB†	130 / 150 MJT (2.3L)	4250kg	2100kg	2500kg	2000kg	6000kg
Bolero 724FB† Lounge	130 / 150 MJT (2.3L)	4250kg	2100kg	2500kg	2000kg	6000kg
Bolero 744PR [†]	130 / 150 MJT (2.3L)	4250kg	2100kg	2500kg	2000kg	6000kg

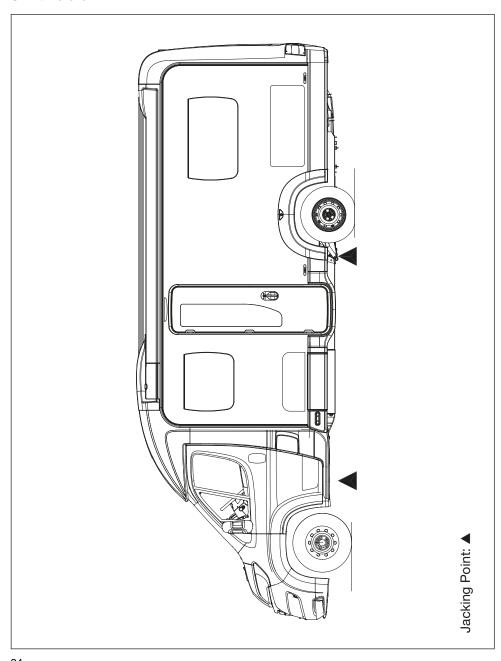
To ensure adequate road holding, the load on the front axle, under all conditions, must not be less than 40% or more than 70% of the total weight.

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

⚠ 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.

[†] 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 1750kg. Reducing the weight of the vehicle by removing payload, will allow you to increase the trailer weight up to a maximum of 2000kg.

Swift Bolero



Model	Kon-Tiki 625			
Roof Profile	Low Line		Low Line	
Engine	150 MJT	150 MJT Auto (Option)	180 MJT (Option)	180 MJT Auto (Option)
Engine Capacity	2.3Ltr	2.3Ltr	2.3Ltr	2.3Ltr
Max Power	110kW @ 3600rpm	110kW @ 3600rpm	131kW @ 3500rpm	131kW @ 3500rpm
Torque	380Nm @ 1500rpm	380Nm @ 1500rpm	400Nm @ 1500rpm	400Nm @ 1500rpm
Chassis	Fiat AL-K	O low line	Fiat AL-K	0 low line
Wheel base	4.60m	/15' 1"	4.60m	/15' 1"
Designated Passenger Seats	;	3	;	3
Berths (sleeping positions)		4		4
Overall Length**	8.06m	/ 26' 5"	8.06m	/ 26' 5"
Overall Width (mirrors folded)	2.35m	/ 7' 8"	2.35m	1/7'8"
Overall Height***	2.98m	/ 9' 9"	2.98m/ 9' 9"	
Maximum Technical Permissible Laden Mass (A)	4250kg		4250kg	
Mass in Running Order (B)	3716kg	3733kg	3716kg	3733kg
Maximum User Payload (A-B)	534kg	517kg	534kg	517kg
Unladen Weight	3560kg	3577kg	3560kg	3577kg
Essential Habitation Equipment	0	kg	0	kg
Thermal Insulation Grade	TH	REE	THREE	
Bed Sizes				
Front Double		2.08m x 1.17m	/ 6'10" x 3'10"	
Front Offside Single				
Rear Double		1.86m x 1.30i	n/ 6'1" x 4'3"	
Rear Offside Single				
Rear Nearside Single				
Overcab Bed				

NOTE:	 The Maximum User Payload includes
a) the c	onventional load (this is the allowance for
passe	engers)

- 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)
- 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 1 x 6kg Calor Lite LPG cylinder.
- The MRO is calculated with the fresh water tank and water heater empty. If you travel with water in the fresh water tank or water heater then the payload will reduce accordingly.
- 4. 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.
- 5. WARNING UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.
- * Estimated
- ** Add 120mm to length if ladder option fitted.
- *** Add 100mm to height on low line if ladder option fitted.

Model	Kon-Tiki 625 Lounge				
Roof Profile	Low Line		Low Line		
Engine	150 MJT	150 MJT Auto (Option)	180 MJT (Option)	180 MJT Auto (Option)	
Engine Capacity	2.3Ltr	2.3Ltr	2.3Ltr	2.3Ltr	
Max Power	110kW @ 3600rpm	110kW @ 3600rpm	131kW @ 3500rpm	131kW @ 3500rpm	
Torque	380Nm @ 1500rpm	380Nm @ 1500rpm	400Nm @ 1500rpm	400Nm @ 1500rpm	
Chassis	Fiat AL-K	O low line	Fiat AL-K	O low line	
Wheel base	4.60m	/15' 1"	4.60m	/15' 1"	
Designated Passenger Seats	-	1		1	
Berths (sleeping positions)	4	4		4	
Overall Length**	8.06m/	/ 26' 5"	8.06m	/ 26' 5"	
Overall Width (mirrors folded)	2.35m/ 7' 8"		2.35m/ 7' 8"		
Overall Height***	2.98m	n/ 9' 9"	2.98m	m/ 9' 9"	
Maximum Technical Permissible Laden Mass (A)	425	50kg	4250kg		
Mass in Running Order (B)	3681kg	3698kg	3681kg	3698kg	
Maximum User Payload (A-B)	569kg	552kg	569kg	552kg	
Unladen Weight	3525kg	3542kg	3525kg	3542kg	
Essential Habitation Equipment	01	kg	0	0kg	
Thermal Insulation Grade	TH	REE	THREE		
Bed Sizes					
Front Double		2.08m x 1.17m	/ 6'10" x 3'10"		
Front Offside Single					
Rear Double	1.86m x 1.30m/ 6'1" x 4'3"				
Rear Offside Single					
Rear Nearside Single					
Overcab Bed					

Model	Kon-Tiki 635			
Roof Profile	Low	Low Line		Line
Engine	150 MJT	150 MJT Auto (Option)	180 MJT (Option)	180 MJT Auto (Option)
Engine Capacity	2.3Ltr	2.3Ltr	2.3Ltr	2.3Ltr
Max Power	110kW @ 3600rpm	110kW @ 3600rpm	131kW @ 3500rpm	131kW @ 3500rpm
Torque	380Nm @ 1500rpm	380Nm @ 1500rpm	400Nm @ 1500rpm	400Nm @ 1500rpm
Chassis	Fiat AL-K	O low line	Fiat AL-K	O low line
Wheel base	4.60m	/15' 1"	4.60m	/15' 1"
Designated Passenger Seats		3		3
Berths (sleeping positions)		4		4
Overall Length**	8.06m	/ 26' 5"	8.06m	/ 26' 5"
Overall Width (mirrors folded)	2.35n	1/ 7' 8"	2.35m/ 7' 8"	
Overall Height***	2.98m/ 9' 9"		2.98m/ 9' 9"	
Maximum Technical Permissible Laden Mass (A)	4250kg		4250kg	
Mass in Running Order (B)	3704kg	3721kg	3704kg	3721kg
Maximum User Payload (A-B)	546kg	529kg	546kg	529kg
Unladen Weight	3548kg	3565kg	3548kg	3565kg
Essential Habitation Equipment	0kg		0	kg
Thermal Insulation Grade	TH	REE	TH	REE
Bed Sizes				
Front Double		2.04m x 0.96i	m/ 6'8" x 3'2"	
Front Offside Single				
Rear Double	2.03m x 1.23m/ 6'8" x 4'0"			
Rear Offside Single	1.87m x 0.70m/ 6'2" x 2'4"			
Rear Nearside Single	1.87m x 0.70m/ 6'2" x 2'4"			
Overcab Bed				

NOTE:	1. The Maximum User Payload includes
a) the c	onventional load (this is the allowance for
passe	engers)

- 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)
- 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 1 x 6kg Calor Lite LPG cylinder.
- The MRO is calculated with the fresh water tank and water heater empty. If you travel with water in the fresh water tank or water heater then the payload will reduce accordingly.
- 4. 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.
- 5. WARNING UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.
- * Estimated
- ** Add 120mm to length if ladder option fitted.
- *** Add 100mm to height on low line if ladder option fitted.

Model	Kon-Tiki 635 Lounge				
Roof Profile	Low Line		Low Line		
Engine	150 MJT	150 MJT 150 MJT Auto (Option)		180 MJT Auto (Option)	
Engine Capacity	2.3Ltr	2.3Ltr	2.3Ltr	2.3Ltr	
Max Power	110kW @ 3600rpm	110kW @ 3600rpm	131kW @ 3500rpm	131kW @ 3500rpm	
Torque	380Nm @ 1500rpm	380Nm @ 1500rpm	400Nm @ 1500rpm	400Nm @ 1500rpm	
Chassis	Fiat AL-K	O low line	Fiat AL-K	O low line	
Wheel base	4.60m	/15' 1"	4.60m	/15' 1"	
Designated Passenger Seats		1		1	
Berths (sleeping positions)		4		4	
Overall Length**	8.06m	/ 26' 5"	8.06m	/ 26' 5"	
Overall Width (mirrors folded)	2.35m	1/7'8"	2.35m/ 7' 8"		
Overall Height***	2.98m	1/ 9' 9"	2.98m	m/ 9' 9"	
Maximum Technical Permissible Laden Mass (A)	den 4250kg		425	4250kg	
Mass in Running Order (B)	3669kg	3686kg	3669kg	3686kg	
Maximum User Payload (A-B)	581kg	564kg	581kg	564kg	
Unladen Weight	3513kg	3530kg	3513kg	3530kg	
Essential Habitation Equipment	0	kg	0	0kg	
Thermal Insulation Grade	TH	REE	THREE		
Bed Sizes					
Front Double		2.04m x 0.96i	m/ 6'8" x 3'2"		
Front Offside Single					
Rear Double	2.03m x 1.23m/ 6'8" x 4'0"				
Rear Offside Single	1.87m x 0.70m/ 6'2" x 2'4"				
Rear Nearside Single	1.87m x 0.70m/ 6'2" x 2'4"				
Overcab Bed					

Model	Kon-Tiki 649			
Roof Profile	High Line		High	Line
Engine	150 MJT	150 MJT Auto (Option)	180 MJT (Option)	180 MJT Auto (Option)
Engine Capacity	2.3Ltr	2.3Ltr	2.3Ltr	2.3Ltr
Max Power	110kW @ 3600rpm	110kW @ 3600rpm	131kW @ 3500rpm	131kW @ 3500rpm
Torque	380Nm @ 1500rpm	380Nm @ 1500rpm	400Nm @ 1500rpm	400Nm @ 1500rpm
Chassis	Fiat AL-K	O low line	Fiat AL-K	O low line
Wheel base	4.60m /15' 1	"- 0.80m/2' 7"	4.60m /15' 1	'- 0.80m/2' 7"
Designated Passenger Seats		5		5
Berths (sleeping positions)		6		6
Overall Length**	8.56m	/ 28' 1"	8.56m	/ 28' 1"
Overall Width (mirrors folded)	2.35m	n/ 7' 8"	2.35m	/ 7' 8"
Overall Height***	3.08m	/ 10' 1"	3.08m/ 10' 1"	
Maximum Technical Permissible Laden Mass (A)	5000kg		5000kg	
Mass in Running Order (B)	4185kg	4202kg	4185kg	4202kg
Maximum User Payload (A-B)	815kg	798kg	815kg	798kg
Unladen Weight	4029kg	4046kg	4029kg	4046kg
Essential Habitation Equipment	0kg		0	kg
Thermal Insulation Grade	TH	REE	TH	REE
Bed Sizes				
Front Double	2.09m x 1.38m/ 6'10" x 4'6"			
Front Offside Single				
Rear Double		2.08m x 1.39n	n/ 6'10" x 4'7"	
Rear Offside Single	1.86m x 0.70m/ 6'1" x 2'4"			
Rear Nearside Single	1.88m x 0.70m/ 6'2" x 2'4"			
Overcab Bed		1.91m x 1.37m/ 6'3" x 4'6"		

NOTE:	1. The Maximum User Paylo	ad includes
a) the co	onventional load (this is the all	owance for
passe	ngers)	

- 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)
- 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 1 x 6kg Calor Lite LPG cylinder.
- The MRO is calculated with the fresh water tank and water heater empty. If you travel with water in the fresh water tank or water heater then the payload will reduce accordingly.
- 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.
- 5. WARNING UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.
- * Estimated
- ** Add 120mm to length if ladder option fitted.
- *** Add 100mm to height on low line if ladder option fitted.

Kon-Tiki 669						
Low	Line	Low Line				
150 MJT	150 MJT Auto (Option)	180 MJT (Option)	180 MJT Auto (Option)			
2.3Ltr	2.3Ltr	2.3Ltr	2.3Ltr			
110kW @ 3600rpm	110kW @ 3600rpm	131kW @ 3500rpm	131kW @ 3500rpm			
380Nm @ 1500rpm	380Nm @ 1500rpm	400Nm @ 1500rpm	400Nm @ 1500rpm			
Fiat AL-K	O low line	Fiat AL-K	O low line			
4.60m /15' 1"	'- 0.80m/2' 7"	0m /15' 1"-	0.80m/2' 7"			
3	3	3	3			
4	1	4	1			
8.56m/	28' 1"	8.56m/	28' 1"			
2.35m	7' 8"	2.35m	7' 8"			
2.98m	/ 9' 9"	2.98m/ 9' 9"				
500	0kg	5000kg				
4025kg	4042kg	4025kg	4042kg			
975kg	958kg	975kg	958kg			
3869kg	3886kg	3869kg	3886kg			
Ol	(g	OH	(g			
THF	REE	THREE				
	2.08m x 1.38	m/ 6'10" x 4'6"				
	4.00 4.00) / O.M.II				
	1.86m x 1.30)m/ 6'1" x 4'3"				

Model	Kon-Tiki 669			
Roof Profile	High	High Line		Line
Engine	150 MJT	150 MJT Auto (Option)	180 MJT (Option)	180 MJT Auto (Option)
Engine Capacity	2.3Ltr	2.3Ltr	2.3Ltr	2.3Ltr
Max Power	110kW @ 3600rpm	110kW @ 3600rpm	131kW @ 3500rpm	131kW @ 3500rpm
Torque	380Nm @ 1500rpm	380Nm @ 1500rpm	400Nm @ 1500rpm	400Nm @ 1500rpm
Chassis	Fiat AL-K	0 low line	Fiat AL-K	O low line
Wheel base	4.60m /15' 1'	'- 0.80m/2' 7"	4.60m /15' 1	'- 0.80m/2' 7"
Designated Passenger Seats	(3	;	3
Berths (sleeping positions)	(3		6
Overall Length**	8.56m/	/ 28' 1"	8.56m	/ 28' 1"
Overall Width (mirrors folded)	2.35m	7' 8"	2.35m	7' 8"
Overall Height***	3.08m/	/ 10' 1"	3.08m/ 10' 1"	
Maximum Technical Permissible Laden Mass (A)	500	l0kg	5000kg	
Mass in Running Order (B)	4135kg	4152kg	4135kg	4152kg
Maximum User Payload (A-B)	865kg	848kg	865kg	848kg
Unladen Weight	3979kg	3996kg	3979kg	3996kg
Essential Habitation Equipment	01	kg	0	kg
Thermal Insulation Grade	THI	REE	THREE	
Bed Sizes				
Front Double		2.08m x 1.38n	n/ 6'10" x 4'6"	
Front Offside Single				
Rear Double		1.86m x 1.30	m/ 6'1" x 4'3"	
Rear Offside Single				
Rear Nearside Single				
Overcab Bed		1.91m x 1.37m/ 6'3" x 4'6"		

NOTE:	1. The Maximum User Paylo	ad includes
a) the co	onventional load (this is the all	owance for
passe	ngers)	

- 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)
- 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 1 x 6kg Calor Lite LPG cylinder.
- The MRO is calculated with the fresh water tank and water heater empty. If you travel with water in the fresh water tank or water heater then the payload will reduce accordingly.
- 4. 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.
- 5. WARNING UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.
- * Estimated
- ** Add 120mm to length if ladder option fitted.
- *** Add 100mm to height on low line if ladder option fitted.

Kon-Tiki 679						
Low	Line	Low Line				
150 MJT	150 MJT Auto (Option)	180 MJT (Option)	180 MJT Auto (Option)			
2.3Ltr	2.3Ltr	2.3Ltr	2.3Ltr			
110kW @ 3600rpm	110kW @ 3600rpm	131kW @ 3500rpm	131kW @ 3500rpm			
380Nm @ 1500rpm	380Nm @ 1500rpm	400Nm @ 1500rpm	400Nm @ 1500rpm			
Fiat AL-KI	O low line	Fiat AL-Ki	O low line			
4.60m /15' 1"	- 0.80m/2' 7"	4.60m /15' 1"	- 0.80m/2' 7"			
3	3	3	3			
4	1	4	1			
8.56m/	28' 1"	8.56m/	28' 1"			
2.35m	7' 8"	2.35m	7' 8"			
2.98m	/ 9' 9"	2.98m/ 9' 9"				
500	0kg	5000kg				
4110kg	4127kg	4110kg	4127kg			
890kg	873kg	890kg	873kg			
3954kg	3971kg	3954kg	3971kg			
Oł	kg	0kg				
THF	REE	THREE				
	2.08m x 1.38	m/ 6'10" x 4'6"				
	2.04m x 1.30)m/ 6'8" x 4'3"				

Model	Kon-Til	ci 679			
Roof Profile	High I	ine			
Engine	150 MJT	150 MJT Auto (Option)			
Engine Capacity	2.3Ltr	2.3Ltr			
Max Power	110kW @ 3600rpm	110kW @ 3600rpm			
Torque	380Nm @ 1500rpm	380Nm @ 1500rpm			
Chassis	Fiat AL-KO	low line			
Wheel base	4.60m /15' 1"-	0.80m/2' 7"			
Designated Passenger Seats	3				
Berths (sleeping positions)	6				
Overall Length*	8.56m/	28' 1"			
Overall Width (mirrors folded)	2.35m/	7' 8"			
Overall Height**	3.08m/ 10' 1"				
Maximum Technical Permissible Laden Mass (A)	5000kg				
Mass in Running Order (B)	4180kg	4197kg			
Maximum User Payload (A-B)	820kg	803kg			
Unladen Weight	4024kg	4041kg			
Essential Habitation Equipment	0kg	9			
Thermal Insulation Grade	THR	EE			
Bed Sizes					
Front Double	2.08m x 1.38m	/ 6'10" x 4'6"			
Front Offside Single					
Rear Double	2.04m x 1.30m/ 6'8" x 4'3"				
Rear Offside Single					
Rear Nearside Single					
Overcab Bed	1.91m x 1.37m	n/ 6'3" x 4'6"			

NOTE: 1. The Maximum User Paylo	oad includes
a) the conventional load (this is the al	lowance 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)
- 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 1 x 6kg Calor Lite LPG cylinder.
- The MRO is calculated with the fresh water tank and water heater empty. If you travel with water in the fresh water tank or water heater then the payload will reduce accordingly.
- 4. 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.
- 5. WARNING UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.
- * Estimated
- ** Add 120mm to length if ladder option fitted.
- *** Add 100mm to height on low line if ladder option fitted.

Kon-Tiki 679					
High Line					
180 MJT (Option) 180 MJT Auto (Option)					
2.3Ltr	2.3Ltr				
131kW @ 3500rpm	131kW @ 3500rpm				
400Nm @ 1500rpm	400Nm @ 1500rpm				
Fiat AL-KI) low line				
4.60m /15' 1"	- 0.80m/2' 7"				
3	}				
6	i e e e e e e e e e e e e e e e e e e e				
8.56m/	28' 1"				
2.35m	77' 8"				
3.08m/	10' 1"				
500	0kg				
4180kg	4197kg				
820kg	803kg				
4024kg	4041kg				
Okg					
THF	REE				
2.08m x 1.38n	n/ 6'10" x 4'6"				
2.04m x 1.30m/ 6'8" x 4'3"					
1.91m x 1.37m/ 6'3" x 4'6"					

Kon-tiki Capacities

Water Tank Capacities

	Fresh Water Tank	er Tank Waste Water Heate	
Kon-Tiki	125 litre	100 litre	8.5 litre

LPG Locker Capacity

	Capacity
Kon-Tiki	2 x 13kg

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

Kon-tiki Towing Capabilities

Kon-Tiki Towing Capabilities

Model	MTPLM	Permissible Front Axle Load		
Kon-Tiki 625 (L)	4250kg	2100kg		
Kon-Tiki 625 Lounge (L)	4250kg	2100kg		
Kon-Tiki 635 (L)	4250kg	2100kg		
Kon-Tiki 635 Lounge (L)	4250kg	2100kg		
Kon-Tiki 649 (H)	5000kg	2100kg		
Kon-Tiki 669 (L)	5000kg	2100kg		
Kon-Tiki 669 (H)	5000kg	2100kg		
Kon-Tiki 679 (L)	5000kg	2100kg		
Kon-Tiki 679 (H)	5000kg	2100kg		

⚠ **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.

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 500kg, then the maximum trailer weight possible is 1000kg. Reducing the weight of the vehicle by removing payload, will allow you to increase the trailer weight up to a maximum of 1600kg.

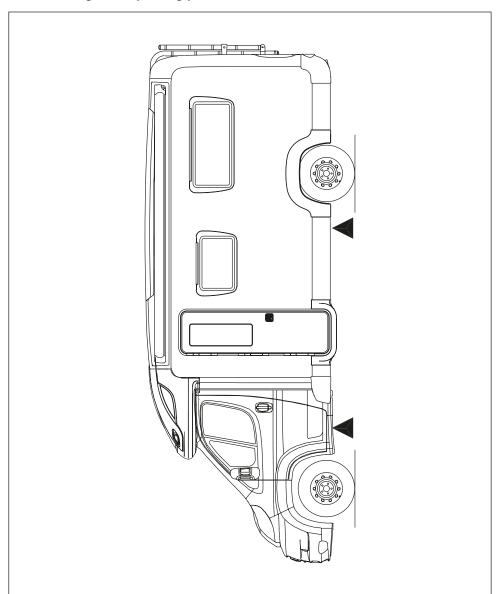
To ensure adequate road holding, the load on the front axle, under all conditions, must not be less than 40% or more than 70% of the total weight.

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

Recommended Maximum Trailer Weight#	Gross Train Weight
1750kg < 2000kg [†]	6000kg
1750kg < 2000kg [†]	6000kg
1750kg < 2000kg†	6000kg
1750kg < 2000kg [†]	6000kg
1000kg < 1600kg	6000kg
	Weight# 1750kg < 2000kg† 1750kg < 2000kg† 1750kg < 2000kg† 1750kg < 2000kg† 1000kg < 2000kg† 1000kg < 1600kg 1000kg < 1600kg 1000kg < 1600kg

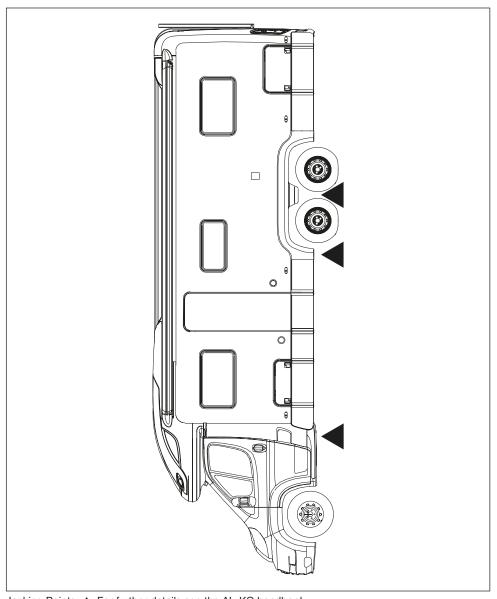
[†] Maximum trailer nose weight limited to 40kg

Kon-Tiki single axle jacking points



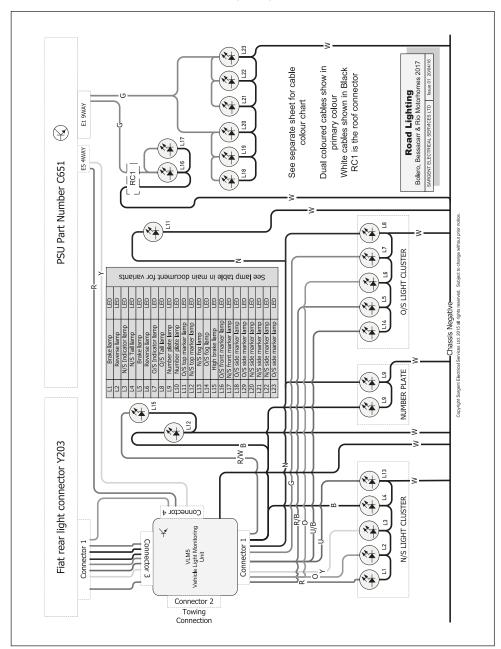
Jacking Points: ▲ For further details see the AL-KO handbook

Kon-Tiki twin axle jacking points

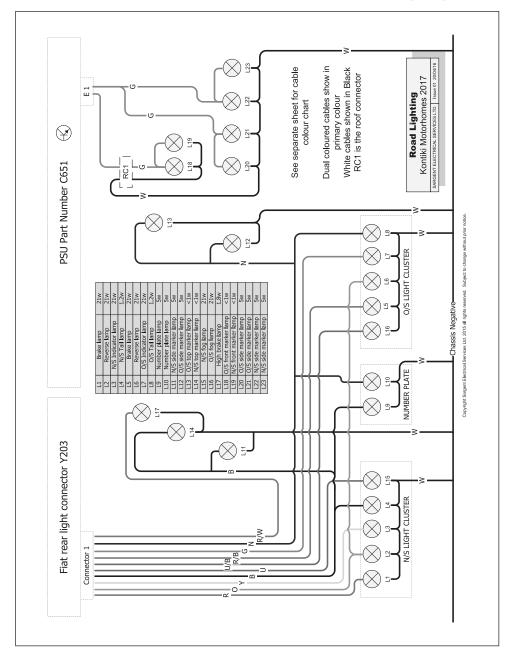


Jacking Points: ▲ For further details see the AL-KO handbook

Bolero, Bessacarr and Rio - Road lighting circuits



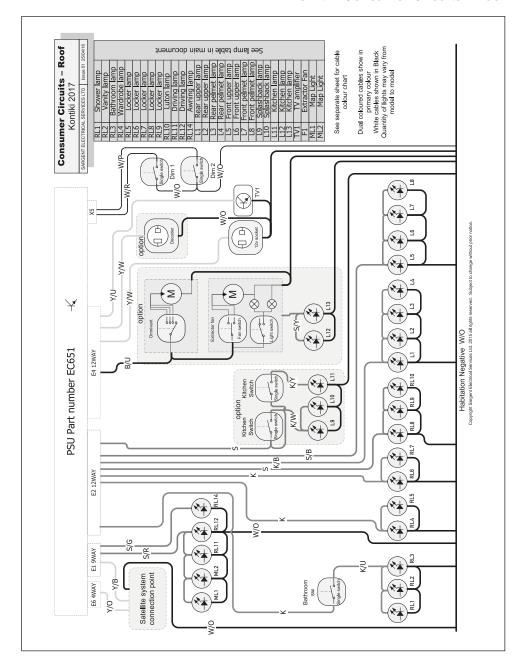
Kon-Tiki - Road lighting circuits



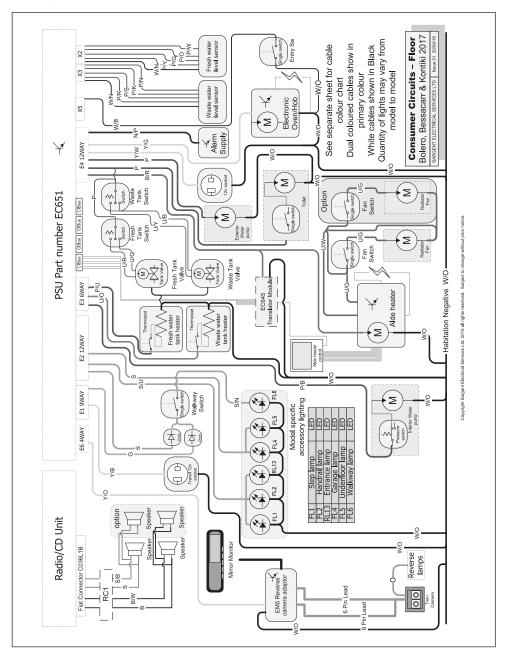
Bolero, Bessacarr and Rio Consumer Circuits - Roof

PSU Part number EC651

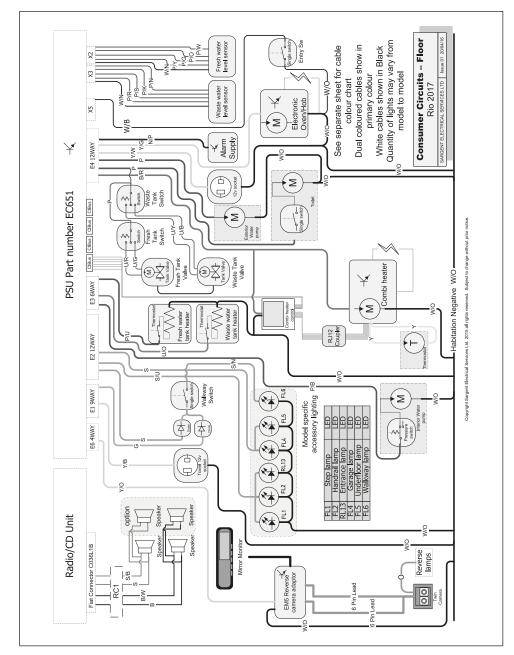
Kon-tiki Consumer Circuits - Roof



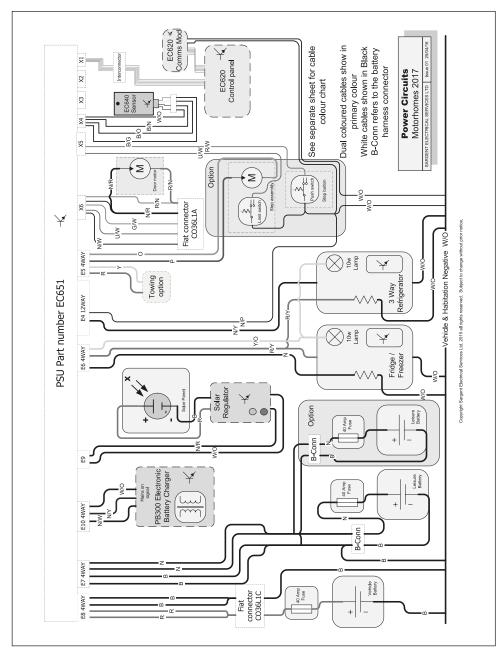
Bolero, Bessacarr and Kon-tiki Consumer Circuits - Floor



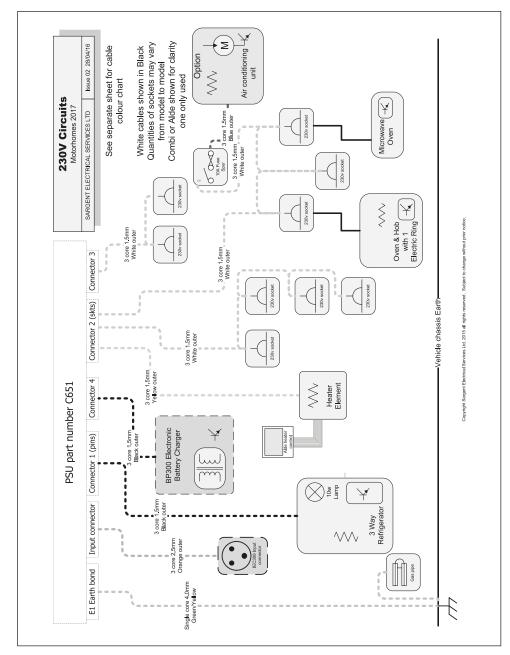
Rio Consumer Circuits - Floor



Power Circuits

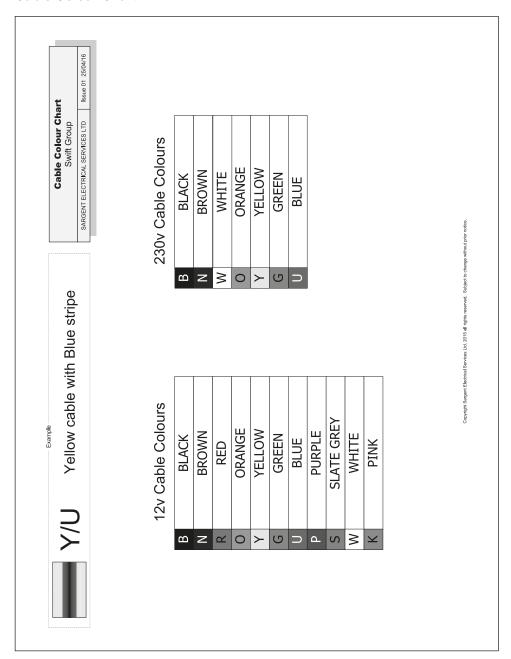


230V Circuits



Wiring Diagrams

Cable Colour Chart



Road Lights

Application	Type of Wattage	Bulb Reference	Rio	Bessacarr	Bolero	Kon Tiki
Front marker lamp - Britax	LED	L98.00.12V & L98.01.12V	Х	Х	Х	
Front marker lamp - Jokon	LED	13.5021.000				X
Side marker light - Hella	5W	W5W	Х			Х
Side marker light - Britax	LED	L99.01.12V		Х	X	
Rear high level marker light - Britax	LED	L99.02.12V	Х	Х	Χ	
Rear high level marker light - Jokon	LED	13.0012.000				Х
High level stop lamp - Hella	LED	2DA-008-136-017				Х
High level stop lamp - Britax	2.3W	L102.00.L12V	Х	Х	Х	
Number plate lamp - Hella	LED	C5W				Х
Number plate lamp - Britax	LED	L104.00.L12V	Х	Х	X	
Rear lamp multi function cluster - Britax	LED	L79.00.12V(LH) & L79.01.12V (RH)	Х	Х	X	
Tail lamp - Hella	LED	2SA-008-405-021				×
Rear Stop lamp -Hella	21W	P21				×
Rear fog lamp -Hella	21W	P21				×
Reverse lamp -Hella	21W	P21				×
Indicator lamp -Hella	21W	P21				×

Interior / Other

Application	Bulb Reference	Bulb Rating	Rio	Bessacarr	Bolero	Kon Tiki
Locker spotlight with dimmer control	LED	FEM1561	Х	Х	Х	X
Downlights, chrome surround	LED	FEM1567	X	×	Χ	Х
Downlights, 3 stud offset lense	LED	FEM1556	Х	×	Χ	Х
China locker base lamp, switched, recessed	LED	FEM1374	Х	Х	Х	
China locker extractor mounted lamps	10W	GU4/MR11 Dichroic Bulb				Х
Over locker/high level strip lamps	LED	FEM12114 (cut to length strip)	Х	Х	Х	Х
Illuminated panel backlighting	LED	FEM12114 (cut to length strip)	Х	Х	Х	Х
B-Pillar map reading lamps	LED	201598	Х	Х	Х	Х
Walkway low level lamps	LED	FEM0993	Х	X	Х	Х
Wardrobe lamp	5W	G4 Halogen capsule bulb	Х	Х	Х	Х
Upper bed/luton lamp, switched, recessed	LED	FEM1374				
Upper bed/luton lamp, switched, surface mount	LED	FEM1373				Х
Garage area lamp, switched, surface mount	LED	FEM1373		Х		Х
Awning lamp	LED	L101-00-L12V	Х	Х	Х	Х
Step well lamp	LED	Complete Stepwell light w/Swift logo		Х	Х	Х

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

RIO, BESSACARR AND BOLERO COACHBUILT MOTORHOMES, COMBINED, ROAD LIGHT BULB ACCESS

REAR LIGHT CLUSTERS (CONTAINING INDICATOR, TAIL / STOP, REVERSE AND FOG LAMPS)

- These multi-function lights are LED and have no user serviceable parts inside.
- Replacement clusters can be fitted in the following way:
- Remove three screws visible around the perimeter of the cluster
- Pull the cluster away from the rear panel of the tourer, taking care to not put excessive strain on the electrical connections behind the lamp
- Unplug the electrical connection from the rear of the lamp, by releasing the tab and lifting the connector upwards relative to the cluster
- Plug the connector back into the replacement lamp, position the lamp into the recess and replace the three fixing screws.

NUMBER PLATE LAMPS, LED

- 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.

HIGH LEVEL BRAKE LAMP

- 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.

FRONT AND REAR UPPER MARKER / POSITION LAMPS

- 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.

SIDE MARKER / POSITION LAMPS

- 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.

Bulb Replacement

KON TIKI ROAD LIGHT BULB ACCESS

REAR LIGHT CLUSTER:

To access the tail lamp, indicator lamp or low level brake lamps, the silver trim panel must first be removed. The trim panel is secured with a combination of plastic Velcro and stud fixings. To remove, apply pressure to the top corner and pull. Working downwards, release all the fixings

Below the trim panel is a black light carrier panel, housing the lamps. Release the three screws located close to the corners of each carrier, and then this too can be pulled directly away from the rear of the vehicle.

To replace the light carrier align the screw holes and replace fixing screws at each corner of carrier.

Align the silver trim piece and push firmly against rear of vehicle to ensure the plastic Velcro is fully engaged.

INDICATOR LAMPS - REPLACING

Bulb access is from rear of lamp.

Remove the trim panel and light carrier as described previously.

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

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.

Replace the light carrier and trim piece as described above.

REVERSE LAMPS - REPLACING

Bulb access is from rear of lamp.

Remove the trim panel and light carrier as described previously.

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

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.

Replace the light carrier and trim piece as described above.

TAIL LAMPS - REPLACING

The tail lamp is a LED cluster and has no user serviceable parts inside.

Only replacement of the whole lamp is possible – first remove the Silver trim piece and light carrier as described previously.

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

Remove the reverse lamp as described above.

Remove the three screws securing tail lamp LED ring to the black carrier

Replace lamp ensuring correct screws are used to secure and reverse procedure to re-fit lamp, reverse lamp, light carrier and trim piece.

LOW LEVEL STOP LAMPS

Bulb access is from rear of lamp.

Remove the trim panel and light carrier as described above.

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

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

Replace the light carrier and trim piece as described above.

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 OR REAR HIGH LEVEL MARKER / POSITION LAMPS (RED / 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.

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 from 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.