September 2008



WORKSHOP MANUAL

12v Electrical

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Dealer Feed Back & Introduction To Troubleshooting



INTRODUCTION

This manual has been designed to assist in fault finding & rectification of 12v electrical problems that may occur. It should be used as a guide as there may have been certain changes made on or around the manufacturing date. Changes may also occur with no prior notice, this may be due to our suppliers & is sometimes out of our control.

To understand the abbreviations contained within this manual please refer to the tables & charts below.

Please also note that multiplug connections have been drawn from the rear on wire entry to connector, however PDU pin locations have been drawn how you see them from the out side.

Steps to remember in fault finding and self diagnostics

- 1 Something new doesn't always mean it's not faulty (especially batteries)
- 2 Check the obvious i.e. battery condition & voltage / fuses / sufficient gas in bottles.
- 3 Make sure the fault exists.
- 4 Intermittent faults, Start simply & don't over complicate it.
- 5 Always make your own assessment and do not be mislead by someone else's diagnostic decision.
- 6 Non standard & added fittings can also effect the behaviour of the electrical system.

COLOUR CODING						
RD	Red					
WT	White					
GR	Green					
BL	Blue					
BR	Brown					
BK	Black					
OR	Orange					
YE	Yellow					
PR	Purple					
GY	Grey					

ABBREVIATIONS

PDU - Power Distribution Unit ATC - AL-KO Trailer Control

IGN - Ignition

PCB - Printed Circuit Board

LED - Light Emitting Diode

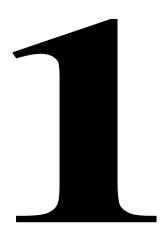
If you find any information missing or incorrect please bring it to our attention as this is your manual as much as it ours, we are always looking for ways to improve our service to you.

Bailey's policy is commitment to customer care.



PIN LOCATIONS

INDEX

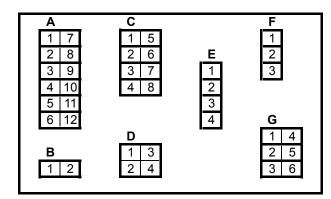




PIN LOCATIONS

Index Ref: 1.1.0 PDU PIN LOCATION Nov-07

Discovery / Ranger 5 / Senator 5 / Pageant 6



<u>Connector</u> <u>Connector</u>

Source	Colour	Source	Colour
A		D	
1 Lights Relay In PDU	OR	1 Perm Car Power	GR
2 Lighting Circuit	RD/OR	2 Fridge Pos From Car	RD
3 Water Pump (P/Potti Sen 5)	GR/BL (PR)	3 Neg From Car	WT
4 Radio (Senator)	ΥE	4 Fridge Neg From Car	BK
5 Lighting Circuit	RD/OR		
6 Main Switch (Control Panel)	GR/RD	E	
7 Aux 12v Socket	ΥE	1 Fridge Ign (Senator)	RD
8 Ceiling Fan	BL/RD	2 Fire Fan	GY
9 Lighting Circuit	RD/OR	3 Oven / Hob Ign	BK
10 Water Heater	BL	4 Fridge 12v (From Car Power)	RD
11 Lighting Circuit	RD/OR		
12 Return From Master Switch	RD	F Series 5 senator only	
		1 12v Car Power To Alarm	GR
В		2 Neg To Alarm	WT
1 Van Battery +	RD	3 Pos To Alarm	BL
2 Van Battery -	BK		
		G	
С		1 Earth	WT
1 Earth	WT	2 Earth	WT
2 Earth	WT	3 Earth	WT
3 Earth	WT	4 Earth	WT
4 Earth	WT	5 Earth	WT
5 Earth	WT	6 Earth	WT
6 Earth	WT		
7 Earth	WT		
8 Fridge Earth (From Car Power)	BK		

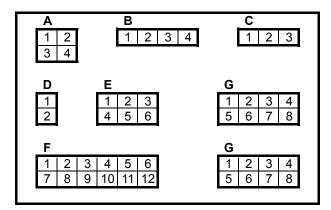


6 ATC 12v Earth

PIN LOCATIONS

Index Ref: 1.2.0 PDU PIN LOCATIONS Nov-07

Ranger 6 / Senator 6 / Pageant 7



<u>Connector</u> <u>Connector</u>

WT

WT

_	Source	Colou	ır		olour
1 2 3 4	 Lighting Circuit Lighting Circuit Lighting Circuit Lighting Circuit	GR/BK BL/BR GR/BK BL/BR		3 Omni Vent	YE BL/RD BL
1 2 3 4	Fridge 12v (From Car Power Oven Ign Fire Fan Fridge Ign	r) RD/ OR GR/ GR		 6 Return From Con Panel 7 Aux 12v (spare) 8 Aux 12v 9 Porta Potti / Water Pump 10 Radio / Booster 	BK/YE RD YE PR GR/BL YE
1 2 3	Float Switch Pump Control Panel Water Pump	BL BL/WT GR/BR		12 Feed To Con Panel G x2	GR/RD
D 1 2	Bat Negative Bat Live	BK RD		1 Earth 2 Earth 3 Earth 4 Earth 5 Earth	WT WT WT WT
1 2 3 4 5	Ign Fridge 12v + Perm 12v car + ATC 12v Feed Fridge 12v Earth Perm 12v car Earth	RD GR GR BK WT	July 2008 on RD/BR BL/BR GR GR/WT BL/WT	6 Earth 7 Earth 8 Fridge Earth (From Car Power)	WT WT BK



PIN LOCATIONS

Index Ref: 1.3.0	CONTROL PANELS	Dec-07

Discovery / Ranger 5 / Pageant 5 & 6

8 Pin Multiplug To Control Panel

1	2	3	4	1 Light Switch Return To PDU	OR
5	6	7	8	2 Pump Feed To Switch	GR/BL
				3 Main Feed Return To PDU For Relays	RD
				4	
				5 Pump Signal For LED	RD/WT
				6 Positive Feed To Pump	GR/BR
				7 Main Feed To Master Switch	GR/RD
				8 Earth Wires	WT

Senator Series 5

12 Pin Multiplug To Control Panel

1 2 3 4 5 6	1 Awning Light	GR/OR
7 8 9 10 11 12	2	
	3 Light Switch Return To PDU	OR
	4 Pump Feed To Switch	GR/BL
	5 Main Feed Return To PDU For Relays	RD
	6	
	7 Gas Box Light	BR
	8 Return For Tank Level Light	BK/WT
	9 Pump Signal For LED	RD/WT
	10 Positive Feed To Pump	GR/BR
	11 Main Feed To Master Switch	GR/RD
	12 Earth Wires	WT

Senator Series 6

12 Pin Multiplug To Control Panel

						_		
1	2	3	4	5	6	1	Pump Fill (Returns To PDU Relay)	BR + BL
7	8	9	10	11	12	2		
						3	Light Switch Return To PDU	YE
						4	Pump Feed To Switch	PR
						5	Main Feed Return To PDU For Relays	RD
						6		
						7	Gas Box Light	OR/WT
						8	Return For Tank Level Light	GR
						9	Pump Signal For LED	RD/WT
						10	Pump Run (Direct Feed To Pump)	GR/BR
						11	Main Feed To Master Switch	GR/RD
						12	Earth Wires	WT



PIN LOCATION

Index Ref: 1.3.1	CONTROL PANELS	Jun-08
	Ranger Series 6 & GT60	
8 Pin Multiplug To Control Panel		
<u> </u>		
1 2 3 4	1 Light Switch Return To PDU	YE
5 6 7 8	2 Pump Feed To Switch	PR
	3 Main Feed Return To PDU For Relays	RD
	4 LED Neg Return From The Pressure Switch	BK
	5 Pump Signal For LED	RD/WT
	6 Positive Feed To Pump	GR/BR & RD/WT
	7 Main Feed To Master Switch	RD/WT
	8 Earth Wires	WT
	Pageant Series 7	
8 Pin Multiplug To Control Panel	Up to July 2008	
	op 10 0 m, 2000	
1 2 3 4	1 Light Switch Return To PDU	YE
5 6 7 8	2 Pump Feed To Switch	PR
	3 Main Feed Return To PDU For Relays	RD
	4	
	5 Pump Signal For LED	RD/WT
	6 Positive Feed To Pump	GR/BR
	7 Main Feed To Master Switch	GR/RD
	8 Earth Wires	WT
O Din Multiplus To Control Days	Form July 2000	
8 Pin Multiplug To Control Panel	From July 2008	
1 2 3 4	1 Light Switch Return To PDU	YE
5 6 7 8	2 Pump Feed To Switch	PR
	3 Main Feed Return To PDU For Relays	RD
	4 Neg Link For Pump LED	BK
	5 Pump Signal For LED	RD/WT
	6 Positive Feed To Pump	GR/BR & RD/WT
	7 Main Feed To Master Switch	RD/WT
	8 Earth Wires	WT
	C Lardi Wiles	•••



PIN LOCATIONS

Index Ref: 1.4.0	A	TC & TRACK	(ER		Dec-07	
Senator 6 / Pageant 7 & Optional Fitment						
		ATC				
6 Pin Multiplug to PDU						
	5 JJ - 470 JJ ''					
	1 Earth to ATC Unit2 Earth From Car 13		WT WT			
1 2 3 4 5 6	3 Earth From Car 12		BK			
4 5 6	4 Feed To ATC Unit		GR			
	5 Feed From Car 12		GR			
	6 Fridge feed From		RD			
	• mage recarrem	123 (1911)	110			
14 Pin Multiplug to ATC ac	ctuator					
	1 Earth From PDU		WT	8		
1 2 3 4 5	2 Earth From PDU		WT	9		
6 7 8 9	3 Earth To LED On	"A" Frame	WT	10 Live Feed		GR
10 11 12 13 14	4			11 Live Feed	l From PDU	GR
	5 Live Feed To Led	On "A" Frame	RD	12		
	6			13		
	7			14		
2 Pin Multiplug to LED						
1	1 Live feed from AT	C unit	RD			
2	2 Earth from ATC u	nit	WT			
		TRACKER				
6 Pin Multiplug to tracker	unit					
	1 Antenna	BR				
1 2 3	2 Siren Earth	BK				
4 5 6	3 Siren Feed	GR				
	4 Empty	WT				
	5 Tracker Earth					
6 Tracker Feed BK/YE						
2 Din Mariatinia						
2 Pin Multiplug to siren						
1	1 Siren feed	GR				
2	2 Siren earth	BK				
Í						



PIN LOCATION

Index Ref: 1.5.0	Index Ref: 1.5.0 Various Connector					
		Through Out	The Ra	nge		
Fridge						
	1	Earth			WT	
1 2	2	12v Feed from F	PDU		GR	
3 4	3	Car Power			BK	
	4	Car Power			RD/OR	
Lighting						
1	1	12v Feed from F	PDU	→ 200	7 RD/OR	
		(Dependant of I	ighting circu	it) 200		R
2	2	Earth			WT	
Omni Vent						
1 2	1	Earth			WT	
1 2	2	12v Feed from F	PDU		BL/RD	
Porta Potti						
	1	12v Feed from F	PDU		PR	
11	2	Earth			WT	
2						
Water Pump	(Whale inboa	rd pump)				
	1	Earth			WT	
1 2 3	2 3	Signal return to 12 v Feed from			nel RD/WT GR/BR	
	3	12 v reed from	control pa	IIIEI	GR/ DR	
Rear Lights						
1 2	1	Earth	WT	6	O/S indicator	GR
3 4 5	2	Earth	WT	7	Fog light	BL
6 7 8	3 4	Earth Reversing light	WT YE/BK	8 9	Stop light N/S tail lights	RD BK
9 10 11	5	Earth	WT	10	O/S tail lights	BR
	-			11	N/S indicator	YE
Tank Floats	(Senator Seri	es 6)				
	1	Earth		WT		
1 2	2	Earth return to	"LED"	GY	Bottom Float	
3 4	3	12v Feed		BL	Top Float	
	4	Return to "PDU"	•	BL	F - 1985	



PIN LOCATIONS

RADIO CONNECTIONS Index Ref: 1.6.0 Dec-07

Pageant 6 / Senator 5

1 2 3 4 5 6	1 2 3 4	Earth Speaker Speaker 12v Feed	BK GR/BK PR/BK RD & YE (two wires joined)
Loom	5 6	Speaker Speaker	WT GY
3 2 1 6 5 4	1 2	Earth Speaker	WT GY
Harness	3 4	Speaker 12v Feed	BK YE (Pageant 6) or GR/BL (Senator 5)
Side	5	Speaker	GY/BK

Speaker

Senator 6 / Ranger GT60 / Pageant 7

BK/WT

6 5 4 3 2 1 12 11 10 9 8 7 Radio Loom	1 2 3 4 5	12v Feed Speaker Speaker Speaker Speaker Earth	YE GR/BK PR/BK WH/BK GY/BK BK	7 8 9 10 11 12	12v Feed Speaker Speaker Speaker Speaker 12v Feed	YE GR PR WH GY RD
1 2 3 4 5 6 7 8 9 10 11 12 Harness	1 2 3 4	Speaker	BK	7 8 9 10	Speaker	BK/WT
Side	5	Speaker	GY	11	Speaker	GY/BK
	6	Earth	WT	12	12v Feed	GR/BL
Speaker Colouring Purple Grey White	Rear Front Front	Not used				
Green	Rear	Not used				

Left & right on speaker control is dependant on what side the radio is fitted into the locker housing and therefore cannot be colour coded to hand.

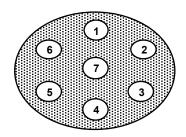


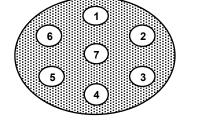
PIN LOCATIONS

Index Ref: 1.7.0 CAR POWER Nov-07

12N / 12S & Continental Connection ("YAEGAR")

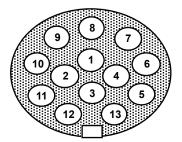
12N





1	1/L	N/S Indicator	YE	1	1/L	Reversing Light	ΥE
2	2/54G	Fog Lights	BL	2	2/54G		
3	3/31	Earth	WT	3	3/31	Negative For Lights & Charge	WT
4	4/R	O/S Indicator	GR	4	4/R	Interior Lights & Charge	GR
5	5/58R	O/S Side Light	BR	5	5/58R		
6	6/54	Brake Lights	RD	6	6/54	Positive For Fridge	RD
7	7/58L	N/S Side Light	BK	7	7/58L	Negative For Fridge	BK

Continental Connector 2008 on



1	N/S Indicator	YE
2	Fog Lights	BL
3	Earth	WT
4	O/S Indicator	GR
5	O/S Side Light	BR
6	Brake Lights	RD
7	N/S Side Light	BK
8	Reverse Light	OR
9	12v Interior Lights	BR/BL
10	12v Fridge Supply	BR/RD
11	Earth For Pin 10	WT/GR
12	None	
13	Earth For Pin 9	WT/BL



PIN LOCATION

Index Ref: 1.8.0	CAR POWER	Feb-08	
"YAEGAR" Cable Connectors to PDU			

2008 on

8 Pin Connector To PDU

	1	Reverse Light	OR
1 2 3 4	2	Fog Lights	BL
5 6 7 8	3	N/S Indicator	ΥE
	4	O/S Indicator	GR
	5	Brake Lights	RD
	6	Earth	WT
	7	N/S Side Light	BK
	8	O/S Side Light	BR

6 Pin Connector To PDU

			1	ATC 12v Earth	WT
1	2	3	2	Perm 12v car Earth	BL/WT
4	5	6	3	Fridge 12v Earth	GR/WT
			4	ATC 12v Feed	GR
			5	Perm 12v car +	BL/BR
			6	Ign Fridge 12v +	RD/BR

3 Pin Connector To Front Marker Lights Near PDU

	1	Earth	WT
1 2 3	2	N/S Side Light	BK
	3	O/S Side Light	BR



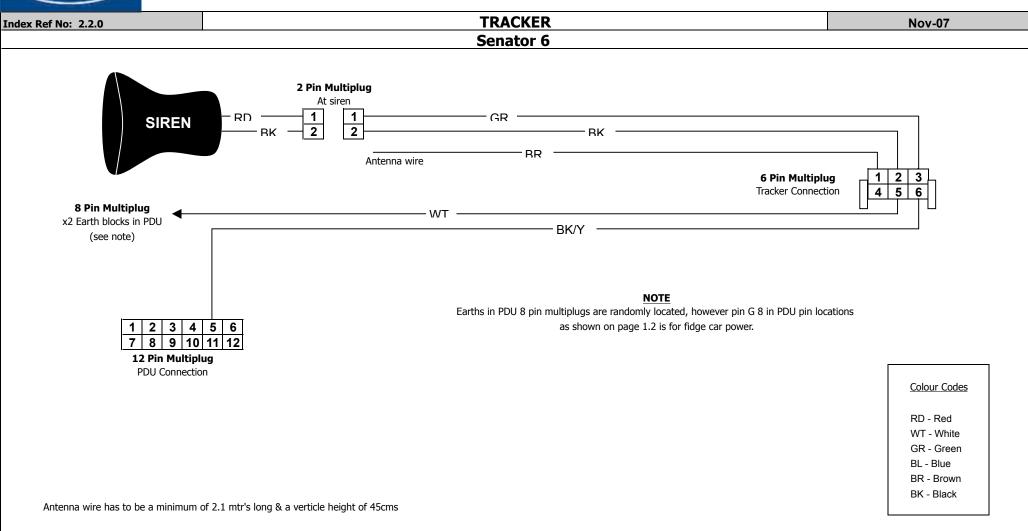
INDEX



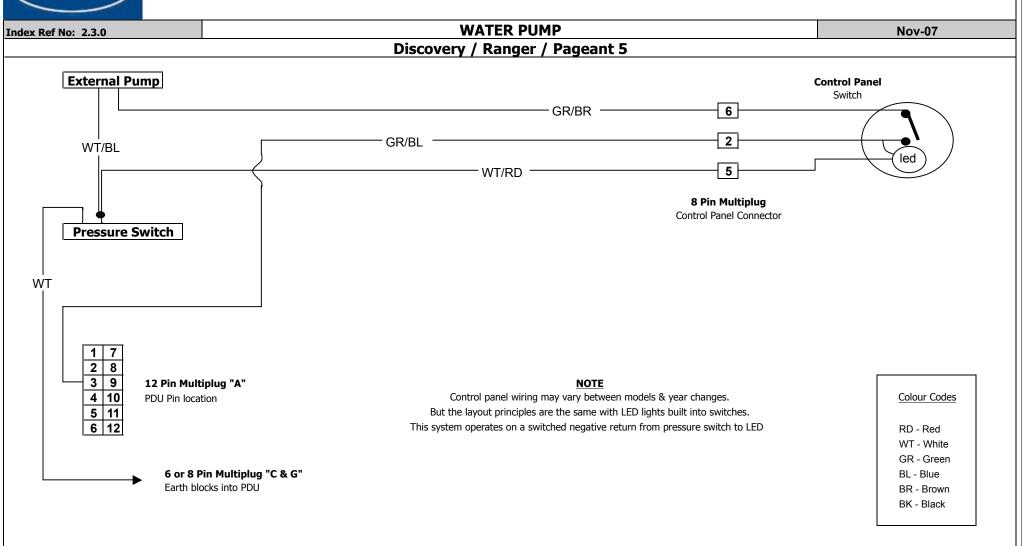


ATC Index Ref No: 2.1.0 Nov-07 Senator 6 / Pageant 7 **LED Light** 2 Pin Multiplug near front "A" frame cover – RD – 1 2 3 4 5 6 7 8 9 10 11 12 13 14 14 Pin Multiplug at ATC unit 6 Pin Multiplug into PDU 12 S Car Connector Colour Codes RD - Red WT - White GR - Green BL - Blue BR - Brown NOTE BK - Black Pins 1 & 2 from ATC connector are joined approximately 300mm in loom Pins 10 & 11 from ATC connector are joined approximately 300mm in loom



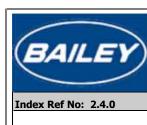


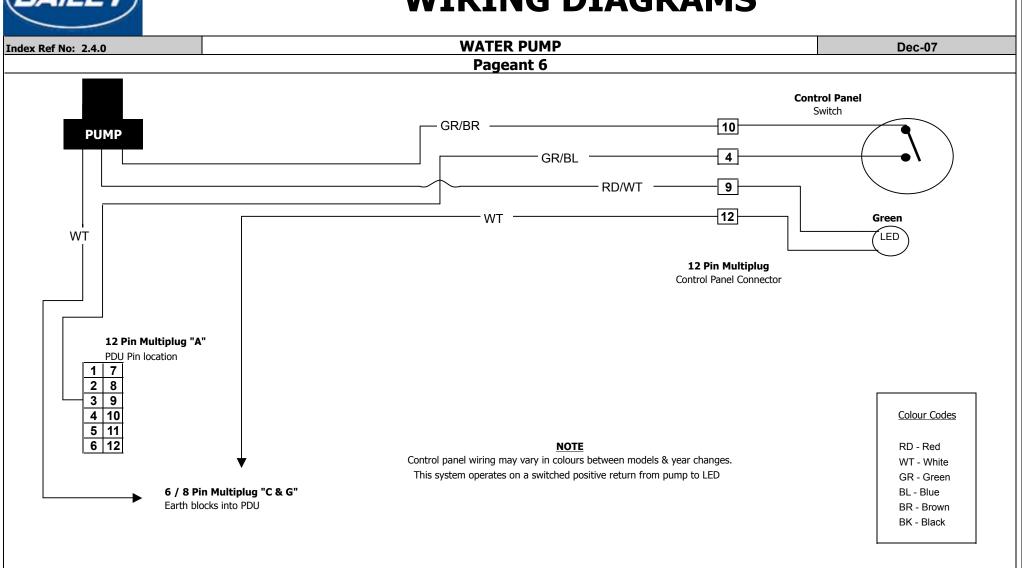




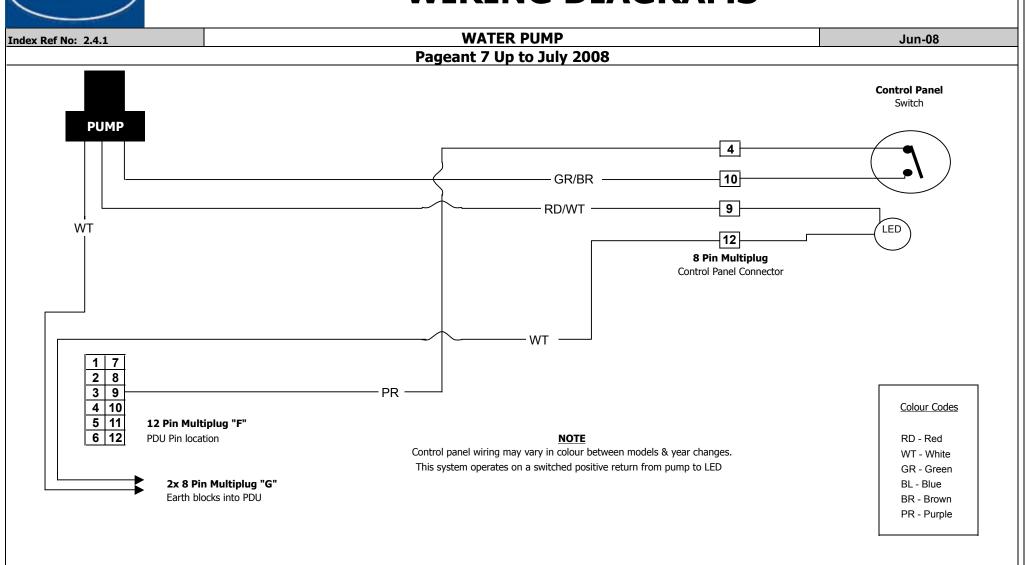


WATER PUMP Index Ref No: 2.3.1 Jun-08 Ranger 6 & GT60 External Pump **Control Panel** Switch ----- GR/BR -- PR — WT/BR - BK -RD/WT **Pressure Switch** 8 Pin Multiplug Control Panel Connec WT 1 7 2 8 3 9 12 Pin Multiplug NOTE This system operates on a switched negative return from pressure switch to LED 4 10 PDU Pin location Colour Codes 5 11 6 12 RD - Red WT - White GR - Green 8 Pin Multiplug BL - Blue Earth blocks into PDU BR - Brown BK - Black

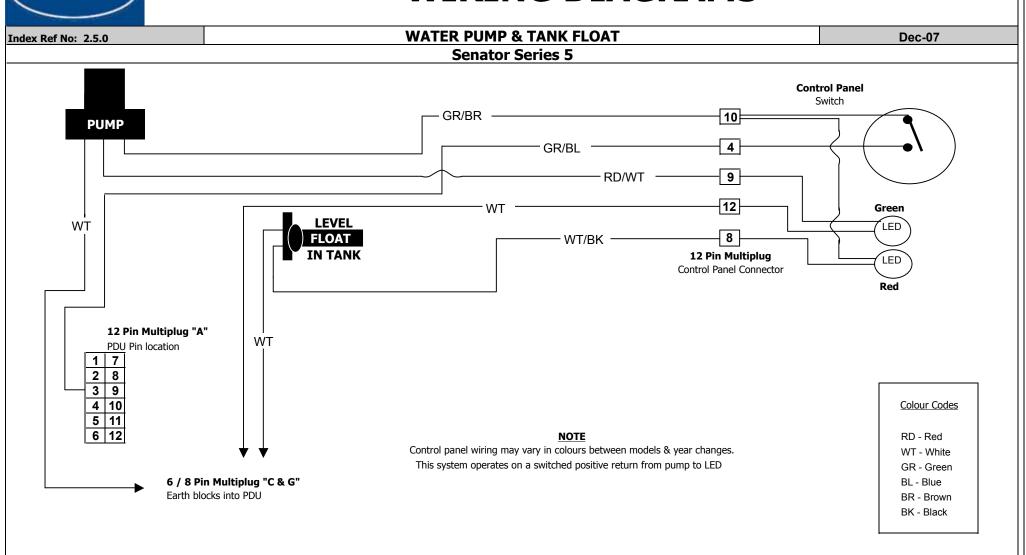




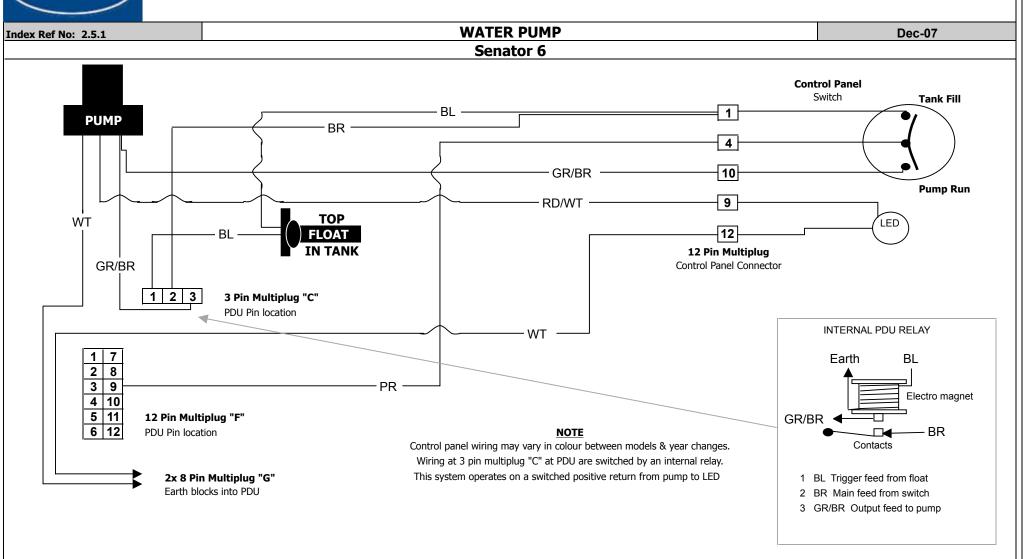


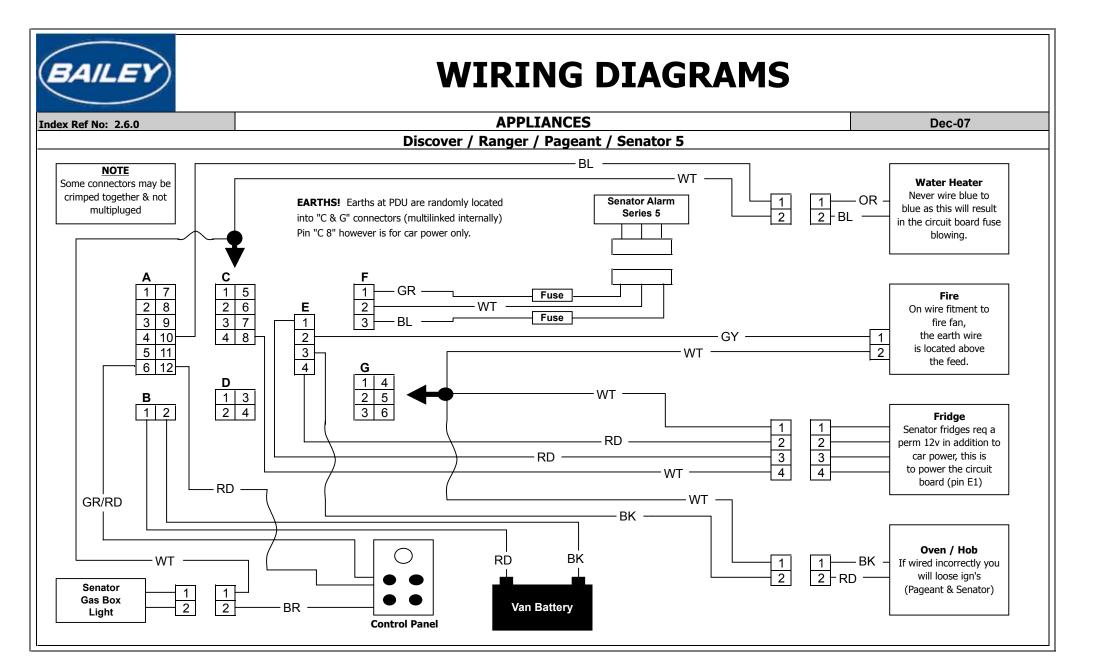










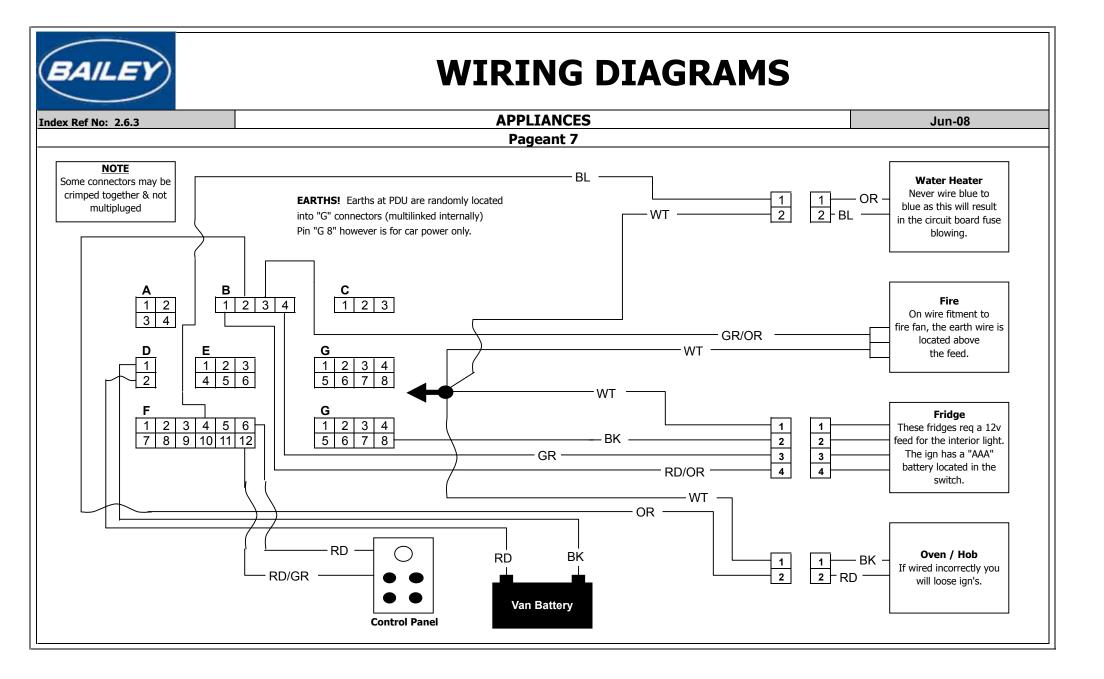


WIRING DIAGRAMS APPLIANCES Index Ref No: 2.6.1 Dec-07 **Senator 6** NOTE Some connectors may be **Water Heater** Never wire blue to crimped together & not **EARTHS!** Earths at PDU are randomly located blue as this will result multipluged into "G" connectors (multilinked internally) in the circuit board fuse Pin "G 8" however is for car power only. blowing. 1 2 3 Fire 1 2 3 4 On wire fitment to fire fan, the earth wire is — GR/OR located above - WT the feed. 2 3 4 1 2 3 4 5 6 WT Fridge 1 2 3 4 5 6 7 8 1 2 3 4 5 6 7 8 9 10 11 12 These fridges reg a 12v 2 feed for the interior light. -RD -3 3 The ign has a "AAA" battery located in the -RD/OR switch. WT Oven / Hob - GR/RD -If wired incorrectly you will loose ign's. Senator 1 WT/OR -Gas Box Van Battery Light

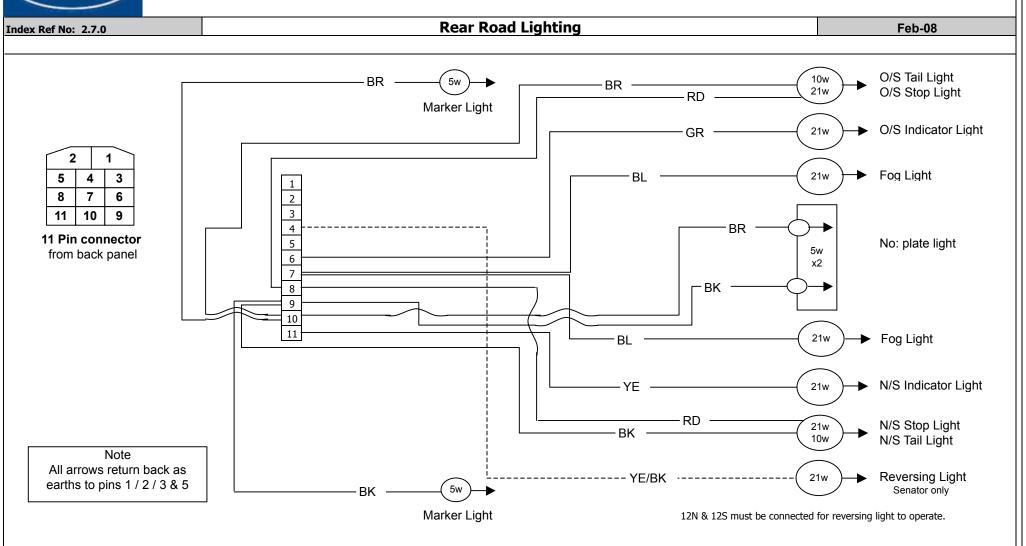
Control Panel

WIRING DIAGRAMS APPLIANCES Index Ref No: 2.6.2 Jun-08 Ranger 6 & GT60 NOTE - BL -Some connectors may be **Water Heater** Never wire blue to crimped together & not **EARTHS!** Earths at PDU are randomly located blue as this will result multipluged into "G" connectors (multilinked internally) in the circuit board fuse Pin "G 8" however is for car power only. blowing. Fire 1 2 3 1 2 3 4 On wire fitment to fire fan, the earth wire is GR/OR located above WT the feed. 2 3 4 2 3 4 5 6 WT 2 3 4 5 6 8 9 10 11 12 1 2 3 4 5 6 7 8 Fridae 2 12v is req for internal 3 3 light only as there is a - GR manual ignition fitted. 4 RD/OR -Oven / Hob RD This range has no RD ignitions fitted & GR/RD therefore does not req a 12v feed. Van Battery

Control Panel









INFORMATION & SETTINGS

INDEX





INFO & SETTINGS

Index Ref: 3.1.0 PIR CODING INSTRUCTIONS Dec 07

Senator 6

Code location:

The tracker has a identification code on installation, the last digit of this code is the code for your PIR setting.

Setting the code:

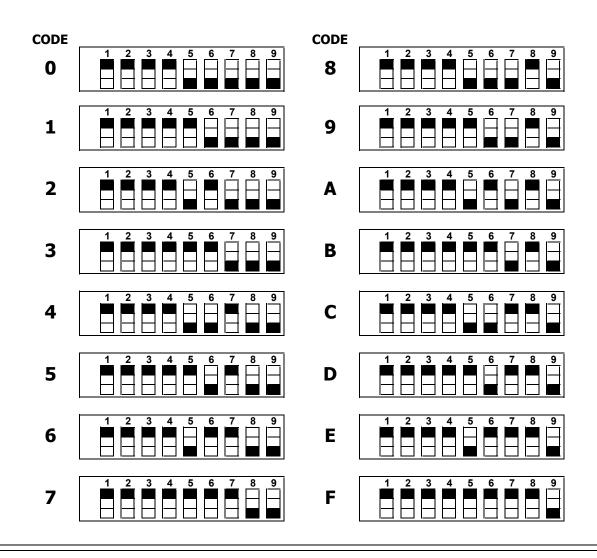
- 1. Open the PIR housing by removing the locking screw at the base of the unit.
- 2. Take care not to lose the anti tamper spring or screw.
- 3. Locate the DIL switch & set each of the 9 switches to the appropriate code (as shown below).
- 4. Reassemble the PIR housing & fit locking screw.

Testing the PIR:

- 1. Set alarm system by pressing key fob. (the system will chirp twice)
- 2. Allow system to arm, this will take approximately 60-90 seconds.

NOTE Do not trigger PIR in set up time as this may prevent arming

- 3. Set off PIR by moving in front of the PIR sensor.
- 4. Press key fob to disarm the system. (the system will chirp once)





INFO & SETTINGS

Index Ref: 3.2.0	ALARM FOB PROGRAMMING	Jan-08		
Sonator 6				

These alarm systems can have up to five remotes programmed at any one time. Before carrying on to the programming make sure you have your new remotes ready & they are in working order. (check the LED lights up on pressing the button) If your new remote doe's not light up try replacing the 12v internal battery.

Battery Part No: 1x Alkaline 23AE 12v

Adding new remotes using existing key fob

Disarm the alarm by pressing the key fob button. (siren will beep once) 2 Within five seconds press the fob button once again (siren will beep twice) 3 Within five seconds press the fob button once again (siren will beep once) 4 Within five seconds press the fob button once again (siren will beep twice) 5 Within five seconds press the fob button once again (siren will beep once) 6 Within five seconds press the fob button once again (siren will beep twice) 7 Within five seconds press the fob button once again (siren will beep once)

- 8 On the seventh press of the fob the siren will beep three times
- 9 Within five seconds press the button three times on the **new** key fob which you wish to install.
- 10 On the third press the siren will beep twice & arm the alarm.
- 11 Disarm the alarm by pressing any of the key fob buttons.

Adding a new remote when all are lost

- 1 This procedure will involve gaining access to the alarm control unit which is located on the tracker board.
- 2 Remove the blanking grommet in the face of the alarm control unit.
- 3 Press the button on the PCB three times within five seconds (siren will beep three times)
- 4 Press the button on the new remote three times, on the last press the siren will beep twice. The alarm is now armed, disarm the alarm to complete programming.



INFO & SETTINGS

Index Ref: 3.3.0 ATC Jan-08

AL-KO Trailer Control or ATC as it's known is an electrical actuator fitted into the braking system, the purpose of this unit is to prevent trailer "sway". The system only reg's live & earth feeds from the vehicle's 12s connection.

Testing

On connecting the power source the LED indicator will show red and pass through a self test, once the unit has cleared it's test the LED will turn to green. If for any reason you enter a second test straight away the LED may **flash** green, this is also a system pass & will reset its self once in motion.

LED Not Illuminating

In the event of no illumination certain checks need to be made.

- 1 Check car power is ok. (12S connector) i.e.; closed up pins.
- 2 Power at 14 pin connector at actuator.
- 3 Wiring ok up to LED light.

Red LED After Self Test

This will indicate a fault within the system. Before investigation is carried out, retest the system once again to confirm fault exists. Leave disconnected for approximately five seconds in-between testing.

If the LED is still indicating red it's recommend that the unit's memory be read by a AL-KO engineer.



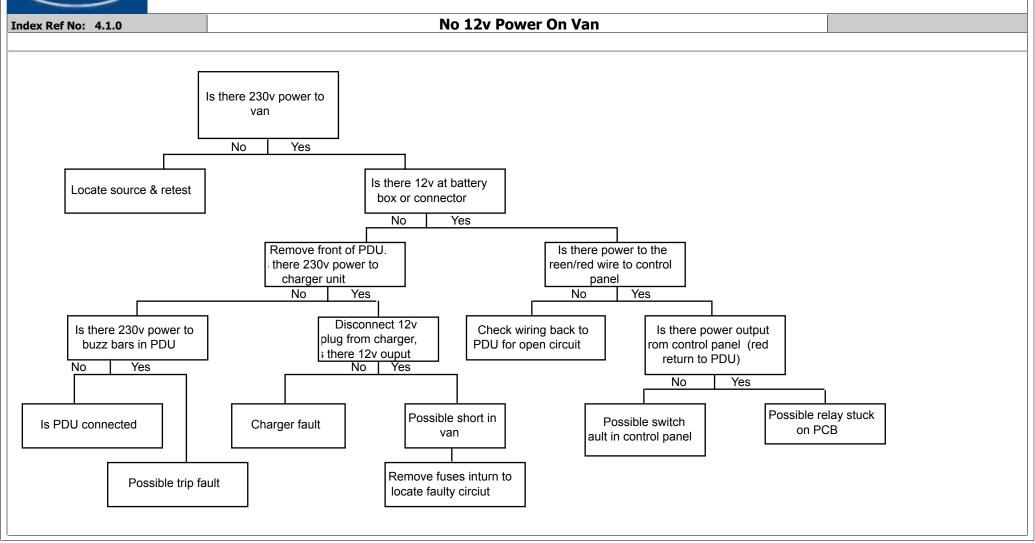
DIAGNOSTICS & TROUBLESHOOTING

INDEX



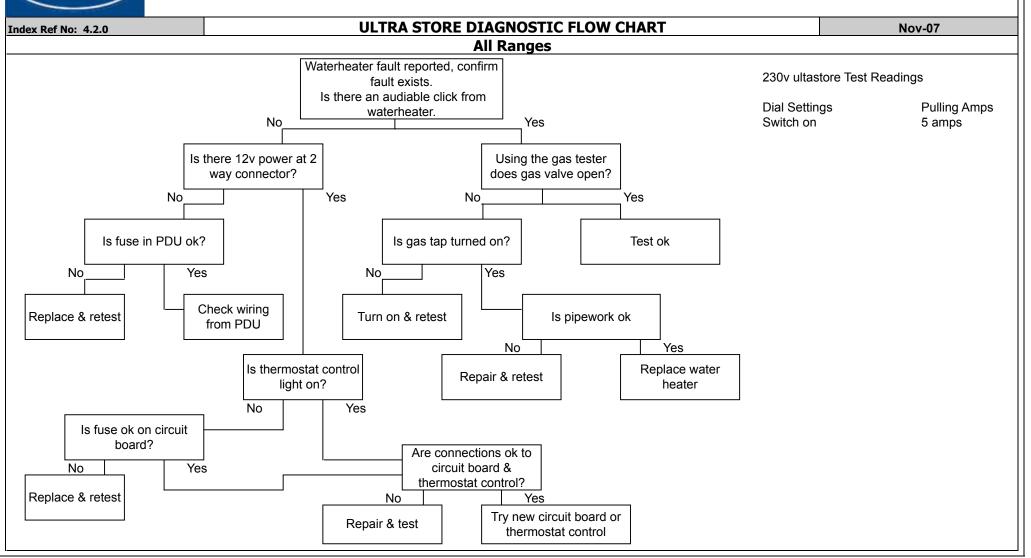


DIAGNOSTICS & TROUBLESHOOTING



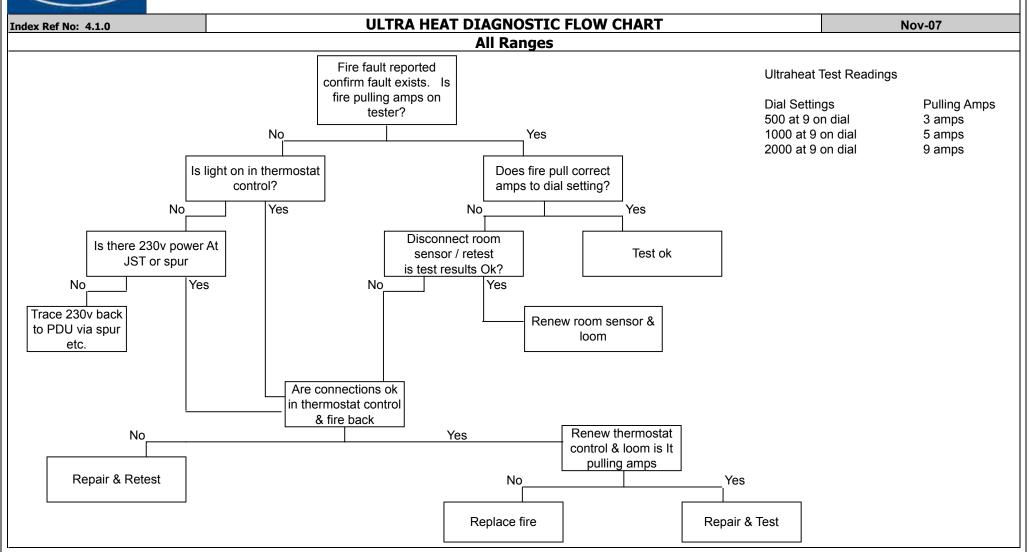
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DIAGNOSTICS & TROUBLESHOOTING





DIAGNOSTICS & TROUBLESHOOTING





Index Ref: 4.3.0 Updated June 08

Fault area	Discription of fault	Possible cause
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		1



Fault area	Discription of fault	Possible cause
Fire Fan	Fire fuse blowing for blowers intermittently	Check switch flex is not rubbing on fire surround
		M Jones Bailey Caravans
	No lights or 12v in van BUT awning light 8	Relay stuck on PDU circuit board (Reqs new curcuit board or P
Loss Of 12v	box light working.	replacment).
		M Jones Bailey Caravans
	All internal lights flashing & lack of 12v in	
Lights Flashing		out-put (Possible cause faulty battery).
		M Jones Bailey Caravans
	Pump LED inoperative of intermittently fla	LED faulty (may have to break front panel to gain access to fixi
Series 6 Pump LED		screws)
. amp 223		M Jones Bailey Caravans
		Trisones baney caravans
	1	



Index Ref: 4.5.0 Pageant Updated June 08

Fault area	Discription of fault	Possible cause
Fire Fan	Fire fuse blowing for blowers intermittently	Check switch flex is not rubbing on fire surround
		M Jones Bailey Caravans
Loss Of 12v	No lights or 12v in van BUT awning light & box light working.	Relay stuck on PDU circuit board (Reqs new curcuit board or P replacment).
		M Jones Bailey Caravans
Lights Flashing	All internal lights flashing & lack of 12v in	Charger / Transformer faulty or running on the max out-put (Possible cause faulty battery).
		M Jones Bailey Caravans
Series 7 Pump LED	Pump LED inoperative of intermittently fla	LED faulty (may have to break front panel to gain access to fixi screws)
· '		M Jones Bailey Caravans



Index Ref: 4.6.0 Senator Updated June 08

Fault area	Discription of fault	Possible cause		
Fire Fan	Fire fuse blowing for blowers intermittently	Check switch flex is not rubbing on fire surround.		
		M Jones Bailey Caravans		
Water Heater	Water heater turning off on gas when light turned on.	Check for live to earth on lighting circuits, may be a screw throu loom from the side of the van. (remove fuses one at a t determine circuit)		
		C Coke Bailey Caravans		
Porta Potti	Internal motor inop	Check circuit board hasn't been pushed off the back of the button panel.		
		M Jones Bailey Caravans		
Loss Of 12v	No lights or 12v in van BUT awning light 8 box light working.	Relay stuck on PDU circuit board (Reqs new curcuit board or replacment).		
		M Jones Bailey Caravans		
Alarm (Series 6)	No sound from siren, got voltage pulse at 2pin connector.			
		M Jones Bailey Caravans		
Lights Flashing	All internal lights flashing & lack of 12v in	Charger / Transformer faulty or running on the max out-put (Possible cause faulty battery).		
		M Jones Bailey Caravans		



Index Ref No: 4.7.0 ATC Jun-08

AL-KO ATC LED Conditions

Display	Status	Consequence	Self Help	Display After Self Help	Status
Constant Green Light	ATC Active	Eaverything OK			
Green Flashing Light	ATC Active, Self test not concluded	Possible to continue journey	Move car & caravan forward a few metres to enable the sensor to detect movement	Becomes green (constant plus)	Possible to continue journey
				Stays flashing green	ATC faulty, possible to continue journey. Consult a specialist workshop
Constant Red Light	ATC Inactive	Possible to continue journey	Remove 13 pole / 12S trailer cable on the towing vehicle. Wait approx. Five seconds. Insert13 pole / 12S trailer cable on the towing vehicle.	Becomes green (constant plus)	Possible to continue journey
				Stays constant red	ATC faulty, possible to continue journey. Consult a specialist workshop
Red Flashing Light	ATC Brakes	Carrying on journey is prohibited	Remove 13 pole / 12S trailer cable on the towing vehicle. Wait approx. Five seconds. Insert13 pole / 12S trailer cable on the towing vehicle.	Becomes green (constant plus)	Possible to continue journey
				Stays flashing red	ATC Faulty - not possible to continue driving Remove ATC push rod Consult a specalist workshop
Led Not Alight	ATC has no power	Only drive on after checking the status!	Check if constant plus available	Becomes green (constant plus)	Possible to continue journey
	LED Faulty		Remove 13 pole / 12S trailer cable on the towing vehicle. Wait approx. Five seconds. Insert13 pole / 12S trailer cable on the towing vehicle.	LED not alight	If power supply OK — carry out visual inspection, see instruction manual Consult specalist workshop

This page has been published by AL-KO themselves, please use at your discretion as the specialist repairer may be you!



DEALER FEED BACK

The information received by the Dealer Feed Back Scheme is a vital source of information that can be used by our team of production engineers, Bailey is always looking for ways of improve it's product. It can also be used by you the dealer as a network for workshops to communicate, in turn helping us to prevent future problems & allowing us together to provide a trouble free experience for the customer.

If you wish to participate in Dealer Feed Back & Troubleshooting, Please E-mail the following details below to

Iant@Bailey-Caravans.co.uk

REPORT SHEET LAYOUT				
Company Name Technicians Name Contact No:				
Van Model & Year				
Fault Description				
Fault Rectification Report				
Parts Used (if any)				
Your Comments				

This manual was written & designed by M Jones Bailey Caravans