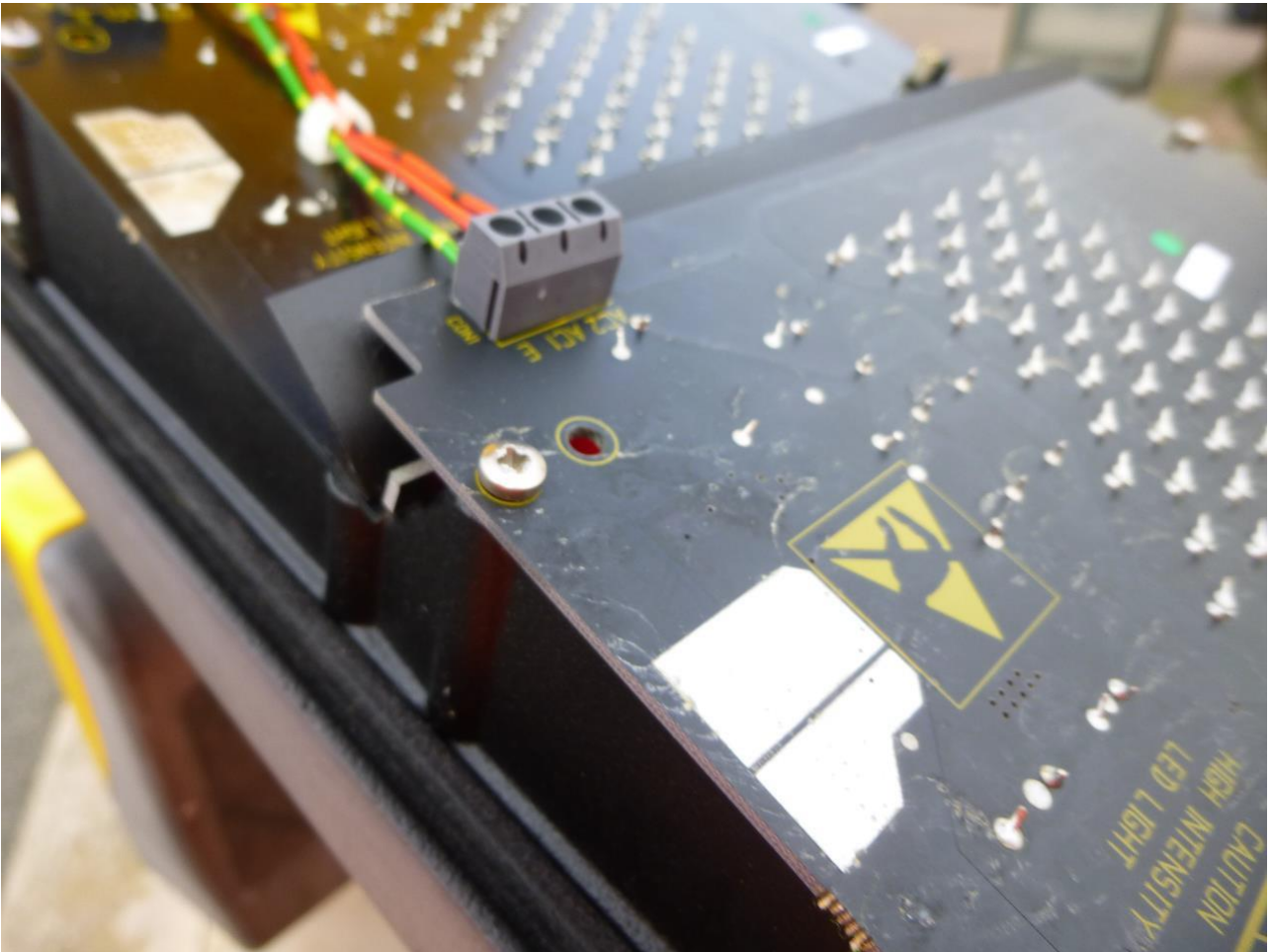


AGD Legacy Product Support & Return



Technical Advice Note No. 22



PRODUCT SOLUTIONS FOR
INTELLIGENT TRAFFIC SYSTEMS

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PRODUCT SOLUTIONS FOR
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Introduction

TAN22 provides guidance for returning and replacing AGD detection and nearside demand units. Where nearside signal and demand unit's parts are accessible, the return of the PCB is acceptable.

Unauthorized opening or attempted repair of detection products AGD3xx, 6xx will be considered a non-warranty return. Modified cables will be replaced unless discussed prior to return. If cables are replaced, they will be subject to a repair charge at the going rate.

All returns are subject to be recorded against our return management system and will undergo product evaluation and inspection of fault. An admin fee will be applied for non-warranty returns regardless of repair action.

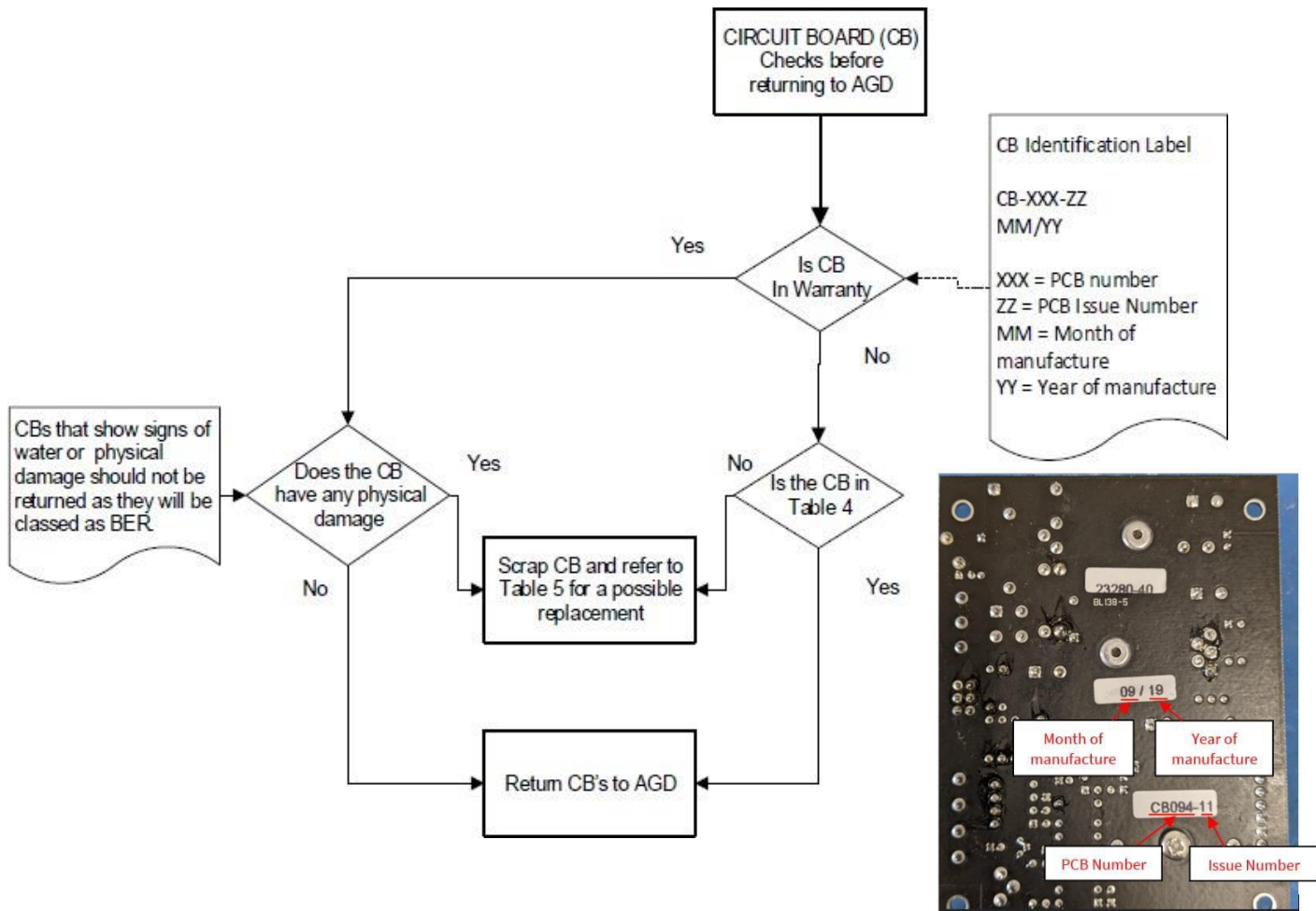
Where a repair is undertaken the product will be fully tested and calibrated to ensure performance integrity. This may remove any customer settings and return the unit back to factory defaults with the latest firmware.

Through continuous development and user specific changes over the years, AGD have had several different issue levels for specific PCB's. These are now tabulated for the most common products in this document.

Issue	Amendment Details	Date of Issue	By
A	First Issue of this document.		GB
B	Update of document.		MP
C	Incorrect part number on Page 4 - changed from CB-095 to CB-094. Included PCB numbers for AGD925 Mini Puffin Repeater in main chart page 5.	28/01/2010	MP
D	Remove comment ref mini puffin repeater CB243 & CB244 being DCM compatible and add comment when replacing individual older CB164 & CB165 PCB's the new ones need to be in pairs as not individually backward compatible.	28/03/2010	MP
2	Update to latest format and issue – no changes to technical content.	18/10/2010	MP
3	DCR4701: Update to cover latest PCB additions and add detection platform compatibility	04/02/2015	GB
4	DCR4975: Update to list of boards (page 5) as some boards are no longer serviceable.	27/11/2015	CS
5	DCR6001. PCB Compatibility Charts updated on page 5 & 6. Page 7 added.	24/05/2019	CB
6	DCR6319. PCB Compatibility Chart updated. PCB repair chart added.	14/07/2020	CB
7	CB-094 and CB-095 are now not available	29/01/2021	MS
8	Updated PCB return advice and availability. Updated Repairable PCBs (Table 4), page 5. Inclusion of CB identification label example, page 5. Updated current generation to the AGD200 livewire as the 332. Added 330 and 335 to previous generation column on table, page 7.	22/02/2022	RM
9	SMT Aspect pcb's CB-390, CB-398, CB-400, CB-402 Introduced in Table 5 Page 6	19/09/2023	MS
10	Paragraph below table 4, page 5 incorrectly referenced 'below' list. Amended to 'above' list.	25/01/2024	RM

Returning a signal/demand PCB

Please use the following flow diagram before returning non warranty PCB to AGD. Units returned that are not able to be repaired due to economic viability or component obsolescence will be subject to a return process charge.



Non-warranty Repairable PCBs (Table 4)

Nearside Signal PCB's		
Current	Serviceable	Description
CB-094	Yes	AGD92x series 48V PSU PCB
CB-277	Yes	5LED Wait Indicator 48V
CB-318	Yes	5LED WAIT Indicator 48V

Please note that if a PCB is not listed above then it should be considered as discontinued and therefore not repairable.

PCB Compatibility (Table 5)

Nearside Signal PCBs		
Previous Generations	Description	Current Generations
CB-094	AGD92x series 48V PSU	None
CB-095	AGD92x series Wait Indicator	None
CB-164	Red puffin mini repeater 48V	None
CB-165	Green puffin mini repeater 48V	None
CB-176	WAIT indicator	CB-277
CB-181	Halo Wait indicator 48V	CB-281
CB-190	Red Puffin Aspect 48V	CB-390
CB-191	Green Puffin Aspect 48V	CB-398
CB-193	Red Toucan Aspect 48V	CB-400
CB-194	Green Toucan Aspect 48V	CB-402
CB-207	RED Puffin Aspect 48V	CB-390
CB-208	Green Puffin Aspect 48V	CB-398
CB-209	Red Toucan Aspect 48V	CB-400
CB-210	Green Toucan Aspect 48V	CB-402
CB-235	Red Puffin Aspect 48V	CB-390
CB-236	Green Puffin Aspect 48V	CB-398
CB-237	Red Toucan Aspect 48V	CB-400
CB-238	Green Toucan Aspect 48V	CB-402
	Red Pegasus Aspect 48V	CB-229
	Green Pegasus Aspect 48V	CB-230
CB-243	Red puffin mini repeater 48V	None
CB-244	Green puffin mini repeater 48V	None
CB-245	Halo Wait indicator 48V	CB-281
N/A	WAIT indicator 12V	CB-247
N/A	5LED WAIT Indicator 48V	SA-146
N/A	Red Puffin Aspect 12V	CB-278
N/A	Green Puffin Aspect 48V	CB-279
N/A	Temp Red Far Side Aspect	CB-297
N/A	Temp Green Far Side Aspect	CB-298

94X Integrated PSU and LED Array

Only PCB's that are fed directly from the termination block to the PCB aspect are supported.

If both aspects are connected by a white jumper cable, you will need to replace both PCB's and Cable Looms. Alternatively, please return to AGD for evaluation and repair.

Legacy Detection Products & Current Alternatives.

Where an item is marked as 'serviceable' this indicates an assessment protocol exists to ascertain its repairability. During this process the item may still fail a test and become Beyond Economic Repair (BER).

If assessed as repairable the item will be repaired and tested before return. The repaired item is subject to a one-year return to base warranty period.

Detection Serviceability and Alternatives			
Previous Generation	Description	Serviceable	Current Generation
AGD200	X-band MVD	No	306
AGD200 livewire	MVD for VMS applications	No	332* see note
AGD201	Temp Radar	No	302
AGD206	X-band MVD	Yes (limited)	306
AGD220	On crossing	No	326
AGD226	X-band on-crossing	Yes (limited)	326
AGD300	K-Band MVD	No	318
AGD305	K-Band MVD narrow beam	No	318
AGD318-501-002	Dual output radar with mating lead	Yes	318-511-022
AGD318-502-002	Dual output radar with flying lead	Yes	318-512-022
AGD318-503-001	Single output radar with mating lead	Yes	318-513-021
AGD318-504-001	Single output radar with flying lead	Yes	318-514-021
AGD330	In sign radar	Yes	331
AGD335	On sign radar	Yes (limited)	332* see note
AGD400	Stop Line detector	No	316/650
AGD402	Dual Zone detector	No	N/A
AGD410	K-Band Scoot detector	No	N/A
AGD420	Kerbside detector	No	641
AGD910	ILD diagnostics unit	No	N/A
AGD605	Stop Line detector	No	316
AGD620	Kerbside detector	No	641
AGD625	Kerbside detector	No	641
AGD640	Stereo vision kerbside	Yes (limited)	641
AGD920	Red/Green nearside signal (Puffin)	See 92X PCBs	940
AGD921	Demand unit	See 92X PCBs	941
AGD922	Red/Green nearside signal (Toucan)	See 92X PCBs	942
AGD923	Red/Green nearside signal (Pegasus)	See 92X PCBs	949
	Pelican WAIT demand unit	See 92X PCBs	AGD924
AGD925	Red/Green nearside signal small repeater	See 92X PCBs	N/A
AGD926	Combined Red/Green & Demand Puffin unit	See 92X PCBs	946
AGD927	Combined Red/Green & Demand Toucan unit	See 92X PCBs	947

*** Possible alternatives depending on application. Please inquire for more information.**

All goods are subject to AGD Terms & Conditions of Sale (please refer to AGD website for current version).