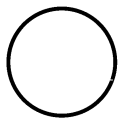




THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE ~~APPROVAL GRANTED⁽⁴⁾~~/APPROVAL EXTENDED⁽¹⁾/
~~APPROVAL REFUSED⁽⁴⁾~~/APPROVAL WITHDRAWN⁽⁴⁾/PRODUCTION DEFINITELY
~~DISCONTINUED⁽⁴⁾~~ OF A TYPE OF ELECTRICAL/ ELECTRONIC SUB-ASSEMBLY⁽¹⁾ WITH
REGARD TO REGULATION NO. 10.04



Approval No: E11*10R04/00*7671*02

1. Make (trade name of manufacturer): Brigade Electronics Group PLC
2. Type and general commercial description(s): Tonal Reversing Alarm
3. Means of identification of type, if marked on the vehicle/component/ separate technical unit: ⁽¹⁾
BA-57, BA-57TCA-2, BA-57TCA-2-BP, CT-57TCA-2,
CT-57TCA-1650(750), BA-57XXXXXXXX, CT-57XXXXXXXX
(Where "X" can represent any character for any associated variant. Bespoke models can have reduced electronic component population and cabling, software changes, customized settings or differing equipment connections.)
 - 3.1. Location of that marking: Adhesive label applied to the product housing
4. Category of vehicle: Not applicable
5. Name and address of manufacturer:
Brigade Electronics Group PLC
Brigade House
The Mills
Station Road
South Darenth
Kent
DA4 9BD
United Kingdom
6. In the case of components and separate technical units, location and method of affixing of the approval mark: On the adhesive label applied to the product housing as stated in section 3.1

7. Address(es) of assembly plant(s):
Yamaguchi Electric Ind. Co., Ltd.
4-1 Aza-Nagabuchi
Osarizawa Kazuno-shi
Akita 018-5202
Japan
8. Additional information (where applicable): See appendix
9. Technical Service responsible for carrying out the tests: SGS UK Ltd.
10. Date of test report: As before and technical review letter 17th March 2025
11. No. of test report: As before and technical review letter AUT332569/1
12. Remarks (if any): See Appendix
13. Place: BRISTOL
14. Date: 04 APRIL 2025
15. Signature:



C McCABE
Chief Technical and Statutory Operations Officer

16. The index to the information package lodged with the Approval Authority, which may be obtained on request, is attached.
17. Reasons for extension:
- 1) Update the technical pack due to component obsolescence, using like-for-like components as suitable alternatives. Fit, form and function of the products including PCB and schematic designs are unchanged.
 - 2) Remove Brigade Electronics PLC assembly plant.
- (1) Strike out what does not apply.

Appendix

to type-approval communication form No. E11*10R04/00*7671*02 concerning the type-approval of an electrical/electronic sub-assembly under Regulation No. 10.04

1. Additional information:
 - 1.1. Electrical system rated voltage: 12/24V. ~~pos~~/neg ground ⁽¹⁾
 - 1.2. This ESA can be used on any vehicle type with the following restrictions:
12 / 24 Volt DC vehicles, product must always use a negative ground.
 - 1.2.1. Installation conditions, if any: See manufacturers installation instructions
 - 1.3. This ESA can be used only on the following vehicle types: Not applicable
 - 1.3.1. Installation conditions, if any: Not applicable
 - 1.4. The specific test method(s) used and the frequency ranges covered to determine immunity were: (Please specify precise method used from Annex 9):
20 to 400MHz (BCI at 60 m-Amps), 400 to 2000MHz (Free field at 30 V/m).
 - 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: SGS UK Ltd.
 2. Remarks: None
- (1) Strike out what does not apply.



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APPROVAL NUMBER: E11*10R04/00*7671*02

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: 00

Conformity of Production (COP) Declaration	COP Confirmed	
Assessment Method	Compliance Statement	
Date of Initial Clearance	April	2013
Date of Last Clearance	July	2024

Total number of sheets: 01 (One)

Reasons for Revision: Not applicable

Revision Date
&
Office Stamp

