



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~~APPROVAL REFUSED⁽⁴⁾~~/APPROVAL WITHDRAWN⁽⁴⁾/PRODUCTION DEFINITELY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*10R04/03*4360*01

1. Make (trade name of manufacturer): Yamaguchi Electric Ind. Company Ltd
2. Type and general commercial description(s): Tonal Reversing Alarm
3. Means of identification of type, if marked on the component:

BBS-102 (BA502-102), BBS-107 (BA502-107), BBS-102XXXXXXXX, BBS-107XXXXXXXX

(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. YEC numbers are given in parenthesis)
- 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:

Yamaguchi Electric Ind., Co., Ltd.
3-11-9 Ikejiri
Setagaya-Ku
Tokyo 154-0001
Japan
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

Dongguan Yamaguchi Industrial Co., Ltd.
Room 101, Building 2, No.1, Jinchuan 3rd Road
Zhaolin, Xiegang Town
Dongguan City
Guangdong Province
People's Republic of China
523596

8. Additional information (where applicable): See appendix

9. Technical Service responsible for carrying out the tests: SGS UK Ltd.

10. Date of test report: Report 7 September 2007 (Letter 13 March 2025)

11. No. of test report: AUT111964/2/GT/07 (Letter AUT332566)

12. Remarks (if any): See Appendix

13. Place: BRISTOL

14. Date: 31 MARCH 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) Change of Dongguan Yamaguchi Industrial Co., Ltd assembly plant address.
- 3) Change of model identification.

(1) Strike out what does not apply.

Appendix

to type-approval communication form No. E11*10R04/03*4360*01

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 manufacturer's information documents
 - 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.