



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED ⁽¹⁾/~~APPROVAL EXTENDED ⁽⁴⁾/~~
~~APPROVAL REFUSED ⁽⁴⁾/~~ ~~APPROVAL WITHDRAWN ⁽⁴⁾/~~ ~~PRODUCTION DEFINITELY~~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: 10R-045257

Extension No: Not applicable

1. Make (trade name of manufacturer): Brigade Electronics Plc.
2. Type and general commercial description(s): TS-001-ECU, Side Scan Control Module.
3. Means of identification of type, if marked on the ~~vehicle/component/ separate technical unit~~: ⁽¹⁾
TS-001-ECU
- 3.1. Location of that marking: Printed on a label attached to the outer surface of product
4. Category of vehicle: Not applicable
5. Name and address of manufacturer:
Brigade Electronics 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 ECE approval mark: Printed on a label attached to the outer surface of product



7. Address(es) of assembly plant(s):
36 Thornley Street
Burton upon Trent
Staffordshire
DE14 2QW
United Kingdom

 8. Additional information (where applicable): See Appendix

 9. Technical Service responsible for carrying out the tests: SGS United Kingdom Limited

 10. Date of test report: 16 April 2014

 11. No. of test report: AUT188534/1/1

 12. Any remarks: See Appendix

 13. Place: BRISTOL

 14. Date: 07 MAY 2014

 15. Signature:  A. W. STENNING
Head of Technical and Quality Support Group

 16. The index to the information package lodged with the Approval Authority, which may be obtained on request, is attached.

 17. Reasons for extension: Not applicable
- (1) Strike out what does not apply.

Appendix

to type-approval communication form No. E11 10R-045257

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 and 24V. ~~pos~~/neg ground ⁽¹⁾
- 1.2. This ESA can be used on any vehicle type with the following restrictions: 12 and 24V neg. ground
 - 1.2.1. Installation conditions, if any: See manufacturer's documentation
- 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 2000MHz (Free field at 30V/m).
- 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: SGS United Kingdom Limited, Durham, United Kingdom.

2. Remarks: None

(1) Strike out what does not apply.