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THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

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COMMUNICATION CONCERNING THE APPROVAL GRANTED  
OF A TYPE OF ELECTRONIC SUB-ASSEMBLY  
WITH REGARD TO REGULATION NO: 10 AS AMENDED  
BY THE 03 SERIES OF AMENDMENTS

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Approval No: 10R-035172    Extension: 00

1.     Make (trade name of manufacturer): Haldex Brake Products Ltd
  
2.     Type and general commercial description(s): EB+ Centre 2 Information Centre
  
3.     Means of identification of type, if marked on the separate technical unit: Self adhesive label
- 3.1    Location of that marking: On the ESA
  
4.     Category of vehicle: Not applicable
  
5.     Name and address of manufacturer:  
  
          Haldex Brake Products Ltd  
          Moons Moat Drive  
          Moons Moat North  
          Redditch, Worcestershire  
          United Kingdom  
          B98 9HA
  
6.     In the case of components and separate technical units, location and method of affixing of the ECE approval mark: A self-adhesive label attached to the unit casing



7. Address(es) of assembly plant(s):

Jabil Circuit Automotive SAS  
No. 6-3 AV. Parc D'Activitie Synergie  
Val-De-Loire  
F-45130 Meng Sur Loire  
France

8. Additional information (where applicable): See Appendix

9. Technical service responsible for carrying out the tests: MIRA, Nuneaton

10. Date of test report: 26 June 2009

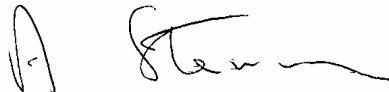
11. Number of test report: 1023234-001

12. Remarks (if any): See Appendix

13. Place: BRISTOL

14. Date: 03 AUGUST 2009

15. Signature:



A. W. STENNING  
Head of Technical and Quality 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

**Appendix to Type Approval Communication Certificate No: 10R-035172  
concerning the type approval of an electrical/electronic sub-assembly under Regulation No: 10**

1. Additional information
  - 1.1. Electrical system rated voltage: 24 V negative ground
  - 1.2. This ESA can be used on any vehicle type with the following restrictions: 24 V negative ground vehicles only
    - 1.2.1 Installation conditions, if any: Fitting is to be in accordance with Haldex Installation instructions
  - 1.3. This ESA can be used only on the following vehicle types: 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 1000 MHz 800 mm stripline, 800 to 2000 MHz Absorber chamber
  - 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the test: MIRA, Nuneaton
2. Remarks: None

<sup>(1)</sup> Delete where inapplicable

**DOCUMENT CONTROL**

Note Info Centre 2 ECU part number 815 041 001 submitted as representative of the type for EMC considerations contains electronic assembly 003 9394 09 as listed below.

The character 'X' in the part number may be any number 0-9 and is used to identify slight differences in the mechanical components used in the assembly of Info Centre 2

**Variant:** Haldex EB+ Info Centre 2 - Fitted With Battery Fitted

ECU Part Number	815 041 001	
PCB Assembly	003 9394 09	iss 3
PCB Sub Assembly	003 9393 09	iss 3
Parts List	003 9459 09	iss 1
Schematic	911 462 001	iss 1
Software	042 7147 09	
PCB (un-populated)	042 7146 09	iss 3

**Variant:** Haldex ADR EB+ Info Centre 2 – No battery fitted

ECU Part Number	815 046 001	
PCB Assembly	003 9401 09	iss 1
PCB Sub Assembly	003 9402 09	iss 1
Parts List	003 9460 09	iss 1
Schematic	911 469 001	iss 1
Software	042 7147 09	
PCB (un-populated)	042 7146 09	iss 3

**Variant:** BPW EB+ Info Centre 2 - Fitted With Battery Fitted

ECU Part Number	815 044 001	
PCB Assembly	003 9394 09	iss 3
PCB Sub Assembly	003 9393 09	iss 3
Parts List	003 9459 09	iss 1
Schematic	911 462 001	iss 1
Software	042 7147 09	
PCB (un-populated)	042 7146 09	iss 3

**Variant:** BPW ADR EB+ Info Centre 2 – No battery fitted

ECU Part Number	815 047 001	
PCB Assembly	003 9401 09	iss 1
PCB Sub Assembly	003 9402 09	iss 1
Parts List	003 9460 09	iss 1
Schematic	911 469 001	iss 1
Software	042 7147 09	
PCB (un-populated)	042 7146 09	iss 3

**Variant:** TRS EB+ Info Centre 2 - Fitted With Battery Fitted

ECU Part Number	815 049 001	
PCB Assembly	003 9394 09	iss 3
PCB Sub Assembly	003 9393 09	iss 3
Parts List	003 9459 09	iss 1
Schematic	911 462 001	iss 1
Software	042 7147 09	
PCB (un-populated)	042 7146 09	iss 3

**Variant:** TRS ADR EB+ Info Centre 2 – No battery fitted

ECU Part Number	815 050 001	
PCB Assembly	003 9401 09	iss 1
PCB Sub Assembly	003 9402 09	iss 1
Parts List	003 9460 09	iss 1
Schematic	911 469 001	iss 1
Software	042 7147 09	
PCB (un-populated)	042 7146 09	iss 3

Haldex Brake Products Moons Moat Drive Moons Moat North Redditch Worcestershire B98 9HA	<b>Technical Specification</b>	<b>GS0466 issue 1</b>
	<b>Design Authority : Redditch</b>	<b>Sheet 15 of 16</b>

## APPENDIX 2

Information Required for 2006/28/EC Annex IIB

0 **General.**

0.1 **Make (trade name of manufacturer):** Haldex Brake Products Ltd.

0.2 **Type:** EB+ Info Centre 2

0.3 **Means of Identification of type, if marked on the component/separate technical unit:** See the manufacturer's documentation GS0466 Appendix 3 for applicable part numbers.

0.3.1 **Location of that marking:** On the ESA.

0.5 **Name and address of manufacturer :**

Haldex Brake Products Ltd.  
Moons Moat Drive,  
Moons Moat North,  
Redditch,  
Worcestershire,  
England  
B98 9HA.

0.7 **In the case of components and separate technical units, location and method of affixing of the EC type approval mark :**

A label attached to the unit casing.

0.8 **Address(es) of assembly plant(s) :**

Jabil Circuit Automotive SAS  
No. 6-3 AV.  
Parc D'Activitie Synergie  
Val-De-Loire  
F-45130 Meng Sur Loire  
France

1 **This ESA shall be approved as a component.**

2 **Any restrictions of use and conditions for fitting :**

24V negative ground vehicles only. Fitting is to be in accordance with Haldex installation instructions.

3 **Electrical system rated voltage:** 24V, negative ground.

Haldex Brake Products Moons Moat Drive Moons Moat North Redditch Worcestershire B98 9HA	<b>Technical Specification</b>	<b>GS0466 issue 1</b>
	<b>Design Authority : Redditch</b>	<b>Sheet 16 of 16</b>

### **APPENDIX 3**

#### **List Of Variants Covered By The Approval**

The following variants are covered by this approval:

815 041 XX1

815 046 XX1

815 044 XX1

815 047 XX1

815 049 XX1

815 050 XX1

The character 'X' in the part number may be any number 0-9 and is used to identify slight differences in the mechanical components used in the assembly of Info Centre 2