



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL EXTENDED OF A TYPE OF AUDIBLE
WARNING DEVICE FOR MOTOR VEHICLES, PURSUANT TO UN REGULATION NO. 28.00



Approval No: E11*28R00/06*2118*02

SECTION I

- 0.1. Make (trade name (mark) of manufacturer): Hadley
- 0.2. Type or commercial description: H00856/H00886/H00890 Series - Fully pneumatic, single tone, without shield
- 0.3. Means of identification of type if marked: Not applicable
- 0.3.1. Location of that marking: Not applicable
- 0.4. Class: II
- 0.5. Company name and address of manufacturer:
- Hadley
4300 36th Street S.E.
Kentwood, MI 49512
USA
- 0.6. Name and address of the manufacturer's representative (if any): Not applicable

0.7. Names and address(es) of assembly plant(s):

Hadley
4300 36th Street S.E.
Kentwood, MI 49512
USA

Hadley
Westbaan 142
2841 MC Moordrecht
Netherlands

SECTION II

1. Additional information (where applicable): See Addendum
2. Technical service responsible for carrying out the tests: Vehicle Certification Agency
3. Date of test report: As before
4. Number of test report: As before
5. Remarks (if any): See Addendum
6. Place: BRISTOL
7. Date: 14 JULY 2023

8. Signature:



C MCCABE
Chief Technical and Statutory Operations Officer

9. Reasons for Extensions:

- 1). Adding new series H00890
- 2). Address change for manufacturing and assembly plants.
- 3). Added "without shield" to type/description

Attachments:

Information package

- (1) Delete (strike out) what does not apply
- (2) If the means of identification of type contains characters not relevant to describe the type warning devices covered by the type-approval certificate such characters shall be represented in the documentation by the symbol: '?' (e.g. ABC??123??).
- (3) As defined in the paragraph 2.5.2.

Addendum to the communication form No. E11*28R00/06*2118*02**1. Additional information**

- 1.1. Brief description of a principle of operation: pneumatic, electro-pneumatic, electro-magnetic with resonator disc, electromagnetic with horn, etc.): Fully pneumatic single tone. Hadley horn H00856/H00886/H00890 series air operated horn without shield. Overall horn length is 482.6 mm, horn style 127 mm round bell, sound chamber is not adjustable and is screwed together with 6 screws.
- 1.1.1. In case of audible warning system, multiple audible warning system number of devices: Not applicable
- 1.2. Rated voltage(s), V: Not applicable
- 1.3. Rated operating pressure(s), MPa (kg/cm²): 0.42 – 1.27
- 1.4. Rated sound frequency (or frequencies), Hz: 287 +/-16
- 1.5. Geometrical characteristics (internal length and diameter) of connecting line between compressor or control and the audible warning device, audible warning system, multiple audible warning system: Standard air line with 4.3 mm inside diameter. Length per application to be such that the rated operating pressure is met at the horn location.

2. Test results for each of two samples: (As before)

- 2.1. A-weighted sound pressure level, dB: 117.2, 117.4
- 2.2. A-weighted sound pressure level in the frequency band 1,800 to 3,550 Hz, dB: 110.1, 110.2
- 2.3. Measuring rated sound frequency (or frequencies), Hz: 286.1, 286.4
- 2.4. Endurance test: passed

3. Remarks: None

- (1) Delete (strike out) what does not apply



Vehicle
Certification
Agency

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APPROVAL NUMBER: E11*28R00/06*2118*02

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: 02

Conformity of Production (COP) Declaration	COP Confirmed	
Assessment Method	ISO 9001 / IATF 16949 & Control Plans COP Audit	
Date of Initial Clearance	Apr	2021
Date of Last Clearance	Apr	2023

Total number of sheets: 02 (two)

Reasons for Revision: See approval certificate

USB600740





YOUR VEHICLE. YOUR COMPANY. YOUR SUCCESS.

Application for an extension to the approval of a type of audible warning device for motor vehicles pursuant to Regulation No. 28



Approval Number Issued: 2118 Extension Number: 02

CHANGES FROM THE ORIGINAL CERTIFICATION			
Date	Revision	Author's Initials	Changes
11-Jan-05	0	Enter Initials	Initial Approval
4-Mar-22	1	Enter Initials	Added new series number H00886 for an Alternative projector material
20-Jun-23	2	TB and DR	- Adding H00890 for weight reduction. Changing from Zinc to aluminum on body and back cover. - Update addresses for approval holder and manufacturing plants - Add "without shield" to technical description
enter a date.	Revision #	Enter Initials	Click here to enter product changes

1. Trade name or mark: Hadley
2. Type (electro-pneumatic, electro-magnetic with resonator disc, elector-magnetic horn, etc.) indicating whether it is a single-tone or multiple tone warning device: Fully pneumatic single tone; without shield
3. Addresses:

Manufacturer (approval holder):	Assembly Plants:
Hadley 4300 36 th Street S.E. Kentwood, MI 49512 USA	Hadley 4300 36 th Street S.E. Kentwood, MI 49512 USA Hadley Westbaan 142 2841 MC Moordrecht Netherlands

Global Headquarters: 4300 36th Street S.E. Kentwood, MI 49512
Phone: +1 616-530-1717



4. If applicable, name and address of manufacturer's representative: N/A
5. Brief description of warning device: Hadley horn H00856/H00886/H00890 series air operated horn without shield. Overall horn length is 19 inches (482.6 mm), horn style is a 5-inch (127 mm) round bell, sound chamber is not adjustable and is screwed together with 6 screws.
6. Supply voltage(s) volts: N/A
7. Rated operating voltage(s) kg/cm2: N/A
8. Rated operating pressure(s) kg/cm2: 0.42 – 1.27
9. Rated frequency (or frequencies) Hz: 287 +/-16
10. Geometrical characteristics (internal length and diameter) of connecting line between compressor or control and the audible warning device: Standard air line with approximately a 0.17 inch (4.3 mm) inside diameter. Length per application to be such that the rated operating pressure is met at the horn location.