



**THE NETHERLANDS
(N E D E R L A N D)**



COMMUNICATION

Concerning ⁽¹⁾:

- ~~- approval granted~~
- approval extended
- ~~- approval refused~~
- ~~- approval withdrawn~~
- ~~- production definitely discontinued~~

of a type of reversing lamp pursuant to Regulation number 23.

Approval number: E4-23R-0010503

Extension number: 01

Approval mark:

02 S1
 01 2a
 02 R
 00 R 00 F

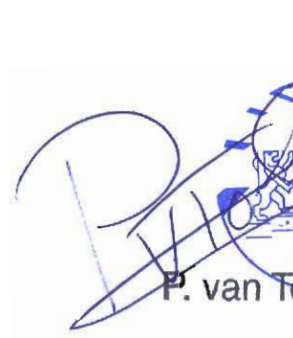


10503

*Indication of the approval mark for the device
 on the right side.
 The left side shall be symmetrical.*

- | | | |
|----|--|---|
| 1. | Trade name or mark of the device | : DEPO |
| 2. | Manufacturer's name for the type of device | : ESDEPO 441-1935R/L
in.pro.® 441-1935R/L |
| 3. | Manufacturer's name and address | : DEPO AUTO PARTS IND. CO., LTD.
No. 20-3, Nan-Shih Lane, Lu-Kang Chen,
Chang-Hua Hsien, Taiwan, R.O.C. |
| 4. | If applicable, name and address of the manufacturer's representative | : Not applicable |
| 5. | Submitted for approval on | : October 4 to 29, 2007 |



6. Technical service responsible for conducting approval tests : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Typprüfstelle Fahrzeuge/Fahrzeugteile
Postfach 91 09 51
D-51101 Köln / Germany
7. Date of report issued by that service : November 12, 2007
8. Number of test report issued by that service : 84-R23-01426/07
9. Concise description :
- Number and category(ies) of filament lamp(s) : One P21W
- Light source module : ~~Yes~~/no ⁽¹⁾
- Light source module specific identification code : Not applicable
- Geometrical conditions of installation and relating variations, if any : Refer to the drawing of the information folder
10. Position of the approval mark : On the outer lens of the lamp
11. Comments
- This device shall be installed on a vehicle only as part of a pair of devices : ~~Yes~~/no ⁽¹⁾
12. Reason(s) for extension (if applicable) : Addition of version B
13. Approval : ~~Granted/extended/refused/withdrawn~~ ⁽¹⁾
14. Place : Zoetermeer
15. Date : 15-NOV-2007
16. Signature :
- 
17. The list of documents deposited with the Administrative Service which has granted approval is annexed to this communication and may be obtained on request.

⁽¹⁾ Strike out what does not apply.

Type : 441-1935R/L
 Manufacturer : DEPO AUTO PARTS IND. CO., LTD.

TEST REPORT

according to ECE-Regulation

Uniform provisions concerning the approval of reversing lamps for power driven vehicles and their trailers

No.: **ECE-R23**

including all amendments until

No.: **00 series of amendments, suppl. 13**

Previously granted	
ECE - approval	: E4-23R-0010503

Structure of report:

1. Test object(s) and general test information
2. Test minutes
3. Remark concerning tested object(s)
4. Appendices
5. Statement of conformity

The Test Report shall be reproduced and published in full by the client only. It shall however be reproduced partially with the written permission of the Testing Laboratory only.

Type : 441-1935R/L
Manufacturer : DEPO AUTO PARTS IND. CO., LTD.

0. General information

- 0.1. Trade mark or trade name of the lamp : DEPO
- 0.2. Manufacturer's name for the type of the lamp : ESDEPO 441-1935R/L
in.pro.® 441-1935R/L
- 0.3. Name and address of the manufacturer : DEPO AUTO PARTS IND. CO., LTD.
No. 20-3, Nan-Shih Lane, Lu-Kang Chen,
Chang-Hua Hsien, Taiwan, R.O.C.
- 0.4. Name and address of the manufacturer's authorised representative : Not applicable
- 0.5. No. of information document : 441-1935-01
date of issue : February 27, 2003
date of last amendment : October 4, 2007

Type : 441-1935R/L
Manufacturer : DEPO AUTO PARTS IND. CO., LTD.

1. Test object(s) and general test information

1.1. Test object(s)

- Identification no. : Not applicable
- Model : 441-1935R/L
- Remark : - Reversing lamp
- The lamp has two versions which differ in the colour of the outer lens.

1.2. General test information

- 1.2.1 Order issued by : --
(if different from manufacturer)
- 1.2.2 Test object received on : --
- 1.2.3 Test date : October 4 to 29, 2007
- 1.2.4 Test site : Lu-Kang / Taiwan
- 1.2.5 Remark : The results of the test refer exclusively to the objects mentioned under point 1.1. of this report.

Type : 441-1935R/L
Manufacturer : DEPO AUTO PARTS IND. CO., LTD.

2. Test minutes

2.1. Test facilities : The measurement equipment used was in compliance with the test requirements.

2.2. Test results : The lamp has been tested according to the amendments mentioned in Appendix 0. The photometric values of version A were carried over from the basic report.

Markings : The trade mark is marked clearly legible and indelible on the outer lens of the lamp.

The filament lamp type is clearly legible and indelible marked on the housing of the lamp.

Space for the approval mark and for the additional symbols is provided on the outer lens of the lamp.

2.3. General specifications : The lamp is designed and made that under normal use their satisfactory operation is ensured and they retain the required characteristics.

The colour of the light emitted inside the field of the light distribution grid defined in paragraph 2 of Annex 3 is within the limits of the coordinates prescribed in Annex 4 of the Regulation.

2.4. Photometric tests : The light emitted was obtained by means of the colourless standard lamp(s) as specified in the information document, producing the required luminous flux.

The light distribution angles and levels of intensity have been measured in accordance with Annex 3 of the Regulation, based on the manufacturer's indication of the center of reference and axis of reference.

Type : 441-1935R/L
 Manufacturer : DEPO AUTO PARTS IND. CO., LTD.

Results of photometric tests of the reversing lamp

Version B: Smoke outer lens

distribution of the intensity of the lamps in [cd]								
horizontal angle		L45°	L30°	L10°	V	R10°	R30°	R45°
vertical angle required minimum intensity	U10°			10	15	10		
	U5°	15		20	25	20		15
	H	15	25	50	80	50	25	15
	D5°	15	25	50	80	50	25	15
vertical angle sample no. 1 (left side)	U10°			90.2	66.0	34.4		
	U5°	21.2		52.7	53.5	73.7		19.8
	H	32.0	81.9	196.6	194.3	182.0	46.5	18.7
	D5°	30.6	108.1	128.4	142.5	165.6	84.8	18.9
vertical angle sample no. 2 (right side)	U10°			118.7	101.3	86.6		
	U5°	30.3		94.4	105.1	101.4		18.3
	H	34.5	75.6	239.5	252.0	249.6	68.0	23.1
	D5°	34.5	79.4	94.8	94.3	108.4	46.9	23.1

	sample no. 1	sample no. 2	allowable maximum
maximum intensity [cd] in or above the horizontal plane	223.6	272.7	300
maximum intensity [cd] between the horizontal plane and 5°D	307.3	293.8	600
maximum intensity [cd] below 5°D	282.8	111.3	8000

Type : 441-1935R/L
Manufacturer : DEPO AUTO PARTS IND. CO., LTD.

2.5. Explanatory note : This report describes the examination of the reversing lamp as a part of a lamp device.

For the examination of the other lamp of the device, refer to the following report:

Type of lamp	Test Report No.
Rear direction indicator	84-R6-01424/07
Rear position lamp and stop lamp	84-R7-001425/07
Rear fog lamp	84-R38-00049/03

2.6. Variants and components : Versions A and B

Type : 441-1935R/L
Manufacturer : DEPO AUTO PARTS IND. CO., LTD.

3. Remark concerning tested object(s)

All versions of the lamp type as stated in the information document are covered with the tested lamp version(s) and test object(s) respectively.

4. Appendices

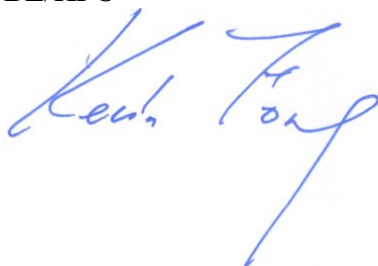
0 List of modifications

1 Information folder No. : 441-1935-01 (1 page)
(excluding drawings)

5. Statement of conformity

The above mentioned information folder and the type described in that comply with the requirements mentioned on page 1.

Cologne, November 12, 2007
BL/KFO



M.S.M.E. K. Fong

Type : 441-1935R/L
Manufacturer : DEPO AUTO PARTS IND. CO., LTD.



List of modifications

Appendix 0

- Correction of** : --

- Modification of** : Updates to the latest amendment of regulation

- Addition of** : Version B

- Deletion of** : --

Application Type: 441-1935R/L**Extension Application Date: October 4, 2007**

Application regulation:	ECE-R6-01 (category 2a), ECE-R7-02, ECE-R23-00, ECE-R38-00
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1. Light Sources

Function	Light Color	Rated Voltage	Rated Wattage	Category (ECE-R37)
Rear direction indicator	Amber	12V	21W	PY21W
Rear position lamp	Red	12V	10W	R10W
Stop lamp	Red	12V	21W	P21W
Reversing lamp	White	12V	21W	P21W
Rear fog lamp	Red	12V	21W	P21W

2. Construction and Material

Construction	Material	Remark
Outer lens	PMMA	Colourless (version A: Rear direction indicator, Stop lamp, Reversing lamp) #
		Smoke (version B: Rear direction indicator, Stop lamp, Reversing lamp) #
		Red (Rear position lamp, Rear fog lamp)
Inner lens A	PMMA	Colourless (Rear position lamp)
Inner lens D	PC	Red (Stop lamp)
Housing	Plastic	Aluminum vacuum coating on the inner side

3. The locations of the trade mark(s), the lamp designation mark(s) and the approval mark(s) are indicated in the following drawing(s) attached:

E441-1935R, E441-1935RS #

4. Name and address of manufacturer:

DEPO AUTO PARTS IND. CO., LTD.
No. 20-3, Nan-Shih Lane, Lu-Kang Chen,
Chang-Hua Hsien, Taiwan, R.O.C.

5. Name and address of representative of manufacturer:

Not applicable

6. Remarks

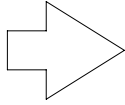
Date: October 4, 2007

Place: Chang Hua

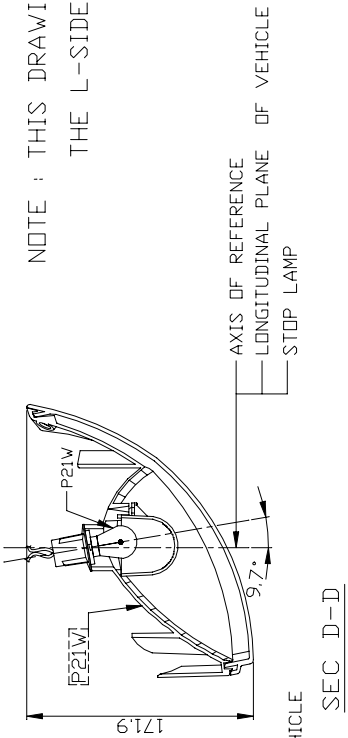
Person in charge: Young-Chieh Chang



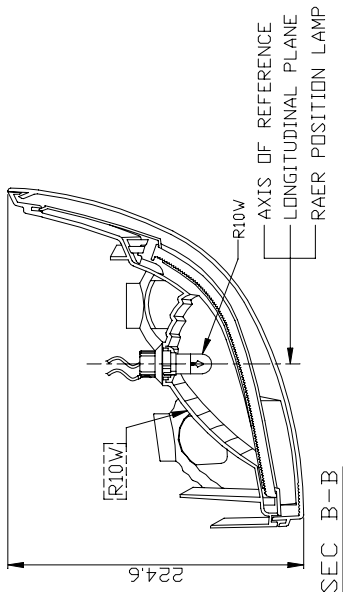
NOTE : THIS DRAWING FITS TO THE R-SIDE LAMP.
THE L-SIDE LAMP IS SYMMETRY OF IT.



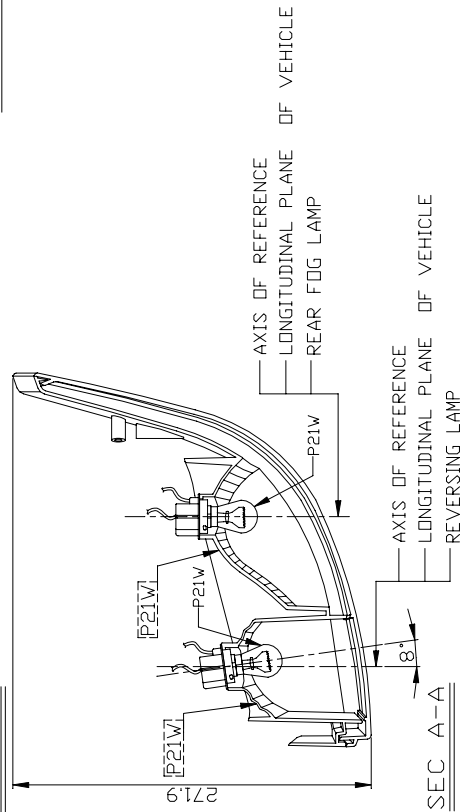
REAR OF VEHICLE



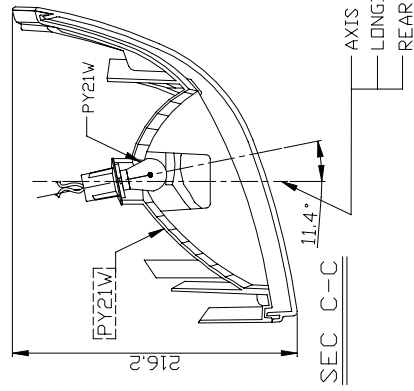
SEC D-D



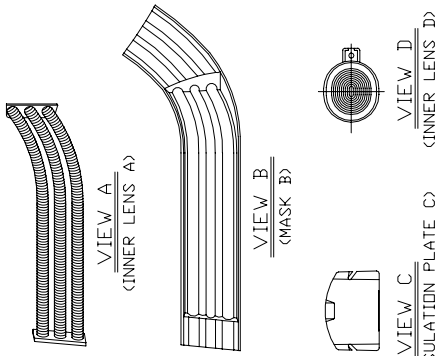
SEC B-B



SEC A-A

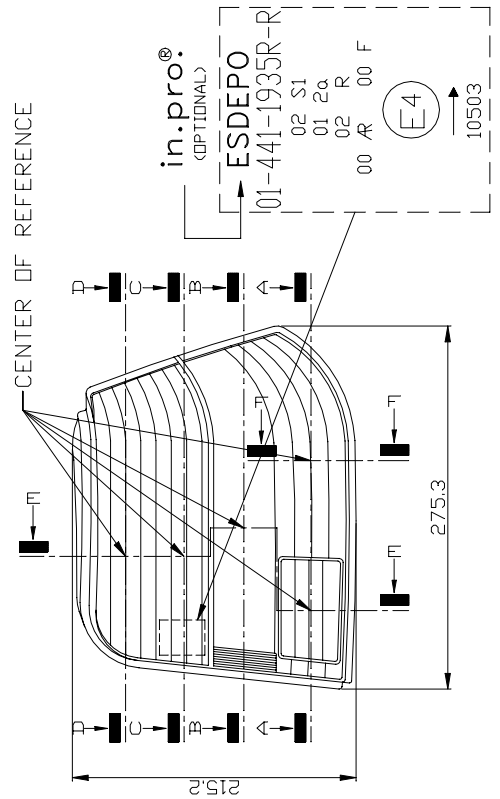


SEC C-C

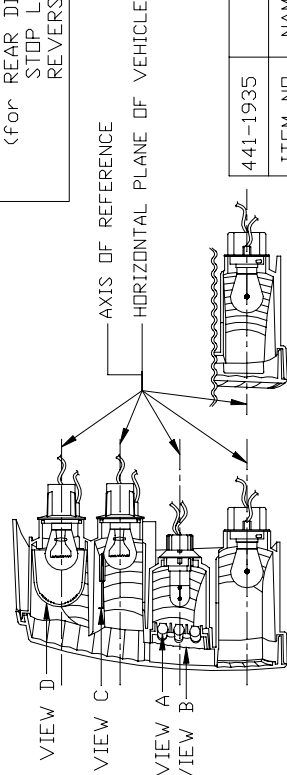


VIEW C
(HEAT INSULATION PLATE C)
OF VEHICLE

CENTER OF REFERENCE



VERSION B:SMOKE OUTER LENS
(FOR REAR DIRECTION INDICATOR
STOP LAMP
REVERSING LAMP)



SEC E-E

SEC F-F

441-1935	ITEM NO.	NAME	MATERIAL	R L L SYMBOL	UNITS
田端通	DESIGN	961008	PROJECTION	:	mm
	CHECK		SCALE	DRAWING	DRAWING NO.
	DATE	MODIFY	CHECK		E441-1935RS

△	MODIFY DESCRIBE	DATE	MODIFY	CHECK
△	ND.			