



**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- ~~- approval withdrawn~~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 direction indicator pursuant to Regulation number 6.

Approval number: E4-6R-0110705

Extension number: 00



Approval mark:

HCR 1b B A
 00 01 02 02
 ↔ ← ←
 20
 10705

*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 : DEPO 441-1183R/L-NHD-X
FK 441-1183R/L-NHD-X
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 : March 30, 2004 to February 6, 2006



6. Technical service responsible for conducting approval tests : TÜV Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Typprüfstelle Fahrzeuge/Fahrzeugteile
Postfach 91 09 51
D-51101 Köln/ Germany
7. Date of test report issued by that service : February 24, 2006
8. Number of test report issued by that service : 84-R6-00321/04
9. Concise description ⁽²⁾ :
- Category : ~~1/1a/1b/2a/2b/3/4/5/6~~ ⁽¹⁾
- Number and category(ies) of filament lamp(s) : One PY21W
- Light source module : ~~Yes~~/no ⁽¹⁾
- Light source module specific identification code : Not applicable
- Only for limited mounting height of equal to or less than 750 mm above the ground : ~~Yes~~/no ⁽¹⁾
- 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 housing of the lamp
11. Reason(s) for extension (if applicable) : Not applicable
12. Approval : ~~Granted/extended/refused/withdrawn~~ ⁽¹⁾
13. Place : Zoetermeer
14. Date : 09-MRT-2006
15. Signature :  F.E. Plancius 
16. 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.

⁽²⁾ For lamps with non-replaceable light sources indicate the number and the total wattage of the light sources.

TEST REPORT

according to ECE-Regulation

Uniform provisions concerning the approval of direction indicators for motor vehicles (except motor cycles) and their trailers

No.: **ECE-R6**

including all amendments until

No.: **01 series of amendments, suppl. 12**

Previously granted	
ECE - approval	: --

Structure of report:

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

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 : DEPO 441-1183R/L-NHD-X
FK 441-1183R/L-NHD-X
- 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 : 441-1183 R/L-NHD-X
date of issue : March 30, 2004
date of last amendment : --

1. Test object(s) and general test information

1.1. Test object(s)

- Identification no. : Not applicable
- Model : 441-1183R/L-NHD-X
- Remark : Front direction indicator, category 1b

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 : March 30, 2004 to February 6, 2006
- 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.

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 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 and reflector of the lamp.

Space for the approval mark and for the additional symbols is provided on the housing 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 4 is within the limits of the coordinates prescribed in Annex 5 of the Regulation.

2.4. Photometric tests : The light emitted was obtained by means of a coloured standard lamp of the respective category, producing the required luminous flux.

The light distribution angles and levels of intensity have been measured in accordance with Annex 4 of the Regulation, based on the manufacturer's indication of the centre of reference and axis of reference.

In case of different intensities of light emitted required by the Regulation, the evaluations are based on the most unfavourable limits specified.

Results of photometric tests of the direction indicator, category 1b

distribution of the intensity of the lamps in [cd]								
horizontal angle		L20°	L10°	L5°	V	R5°	R10°	R20°
vertical angle required minimum intensity	U10°			80		80		
	U5°	40	80		280		80	40
	H		140	360	400	360	140	
	D5°	40	80		280		80	40
	D10°			80		80		
vertical angle sample no. 1 (left side)	U10°			86.7		81.0		
	U5°	72.9	244.5		414.3		151.5	51.5
	H		318.7	435.1	483.2	415.9	250.5	
	D5°	82.7	194.7		287.8		159.6	59.6
	D10°			81.9		86.3		
vertical angle sample no. 2 (right side)	U10°			215.4		161.2		
	U5°	50.3	136.0		290.9		89.1	43.1
	H		343.4	507.6	612.6	370.3	164.6	
	D5°	50.3	161.6		355.9		108.5	48.4
	D10°			242.0		150.9		

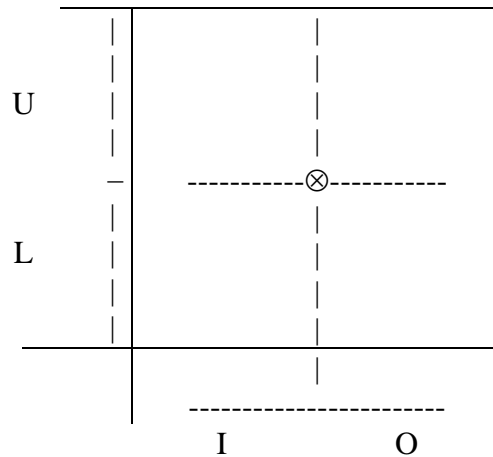
	sample no. 1	sample no. 2	allowable maximum	required minimum
maximum intensity [cd]	520.3	617.5	860	--
minimum inten- sity in the fields defined in An- nex 1 of the Re- gulation [cd]	2.80	2.63	--	0.7

The light distribution is substantially uniform. The light intensity is within the limits in the fields described in §6 and Annex 4 of the Regulation.

Manufacturer : DEPO AUTO PARTS IND. CO., LTD.
Type : 441-1183R/L-NHD-X

2.5. Illuminating surface

: Vertical and horizontal outlines of the illuminating surface of the light-signalling device in relation to the centre of reference and in accordance with Annex 3 of the Regulation ECE-R48.



function	upper boundary (U) [mm]	lower boundary (L) [mm]	inner boundary (I) [mm]	outer boundary (O) [mm]
front direction indicator	20	20	20	20

2.6. Explanatory note

: This report describes the examination of the direction indicator 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.
Headlamp	84-R112-00319/04
Front position lamp	84-R7-00320/04
Front fog lamp	84-R19-00322/04

2.7. Variants and components

: Not applicable

3. Remark concerning tested object(s)

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

4. Appendices

0 List of modifications

- 1 **Information document No.** : 441-1183 R/L-NHD-X (1 page)
(excluding drawings)

5. Statement of conformity

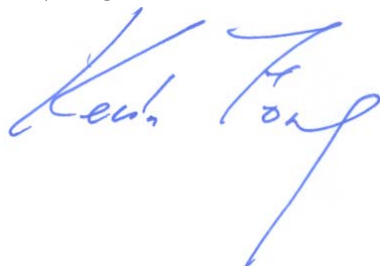
The information folder and the type described there comply with the requirements in the above mentioned directive/regulation.

The test laboratory is accredited for the above mentioned tests by the RDW, Vehicle Technology and Information Centre, the Netherlands:

Certification Number: RDW-99050014-02.

The test report comprises - including appendix 0 - the pages 1 to 8 and shall not be reproduced except in full without the written approval of the testing laboratory.

Cologne, February 24, 2006
BL/KFO



A handwritten signature in blue ink, appearing to read 'Kuan Fong', is written over the printed name.

M.S.M.E. K. Fong

List of modifications

Appendix 0

Correction of : --

Modification of : --

Addition of : --

Deletion of : --

Application Type: 441-1183R/L-NHD-X**First Application Date: March 30, 2004**

Application regulation:	ECE-R112-00 (class B for both traffic systems), ECE-R7-02, ECE-R6-01 (category 1b), ECE-R19-02
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1. Light Sources

Function	Light Color	Rated Voltage	Rated Wattage	Category (ECE-R37)
Passing lamp	White	12V	55W	H7
Driving lamp	White	12V	55W	H7
Front position lamp	White	12V	5W	W5W
Front direction indicator	Amber	12V	21W	PY21W
Front fog lamp	White	12V	55W	H3

2. Construction and Material

Construction	Material	Remark
Outer lens	Glass	Colourless
Inner lens (Passing lamp, Front fog lamp)	Glass	Colourless
Inner lens (Front direction indicator)	PC	Colourless
Housing	PP	
Reflector (Passing lamp, Front fog lamp)	SPCC	Aluminum vacuum coated
Reflector (Driving lamp, Front position lamp)	BMC	Aluminum vacuum coated
Reflector (Front direction indicator)	PC	Aluminum vacuum coated
Frame (Passing lamp)	PES	Aluminum vacuum coated or black
Frame	PC	Aluminum vacuum coated or black

3. Marking and Location

Marking	Location
Trade mark	DEPO, FK (as optional)
Lamp designation mark	H7 24V
	H3 24V
	W5W
Approval mark	H7 24V
	PY21W
Approval mark	E4

4. Drawing no.: 00\441-1183NX1, 00\441-1183NX2, 00\441-1183NX3, 00\441-1183NX4**5. 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.

6. Name and address of representative of manufacturer:

Not applicable

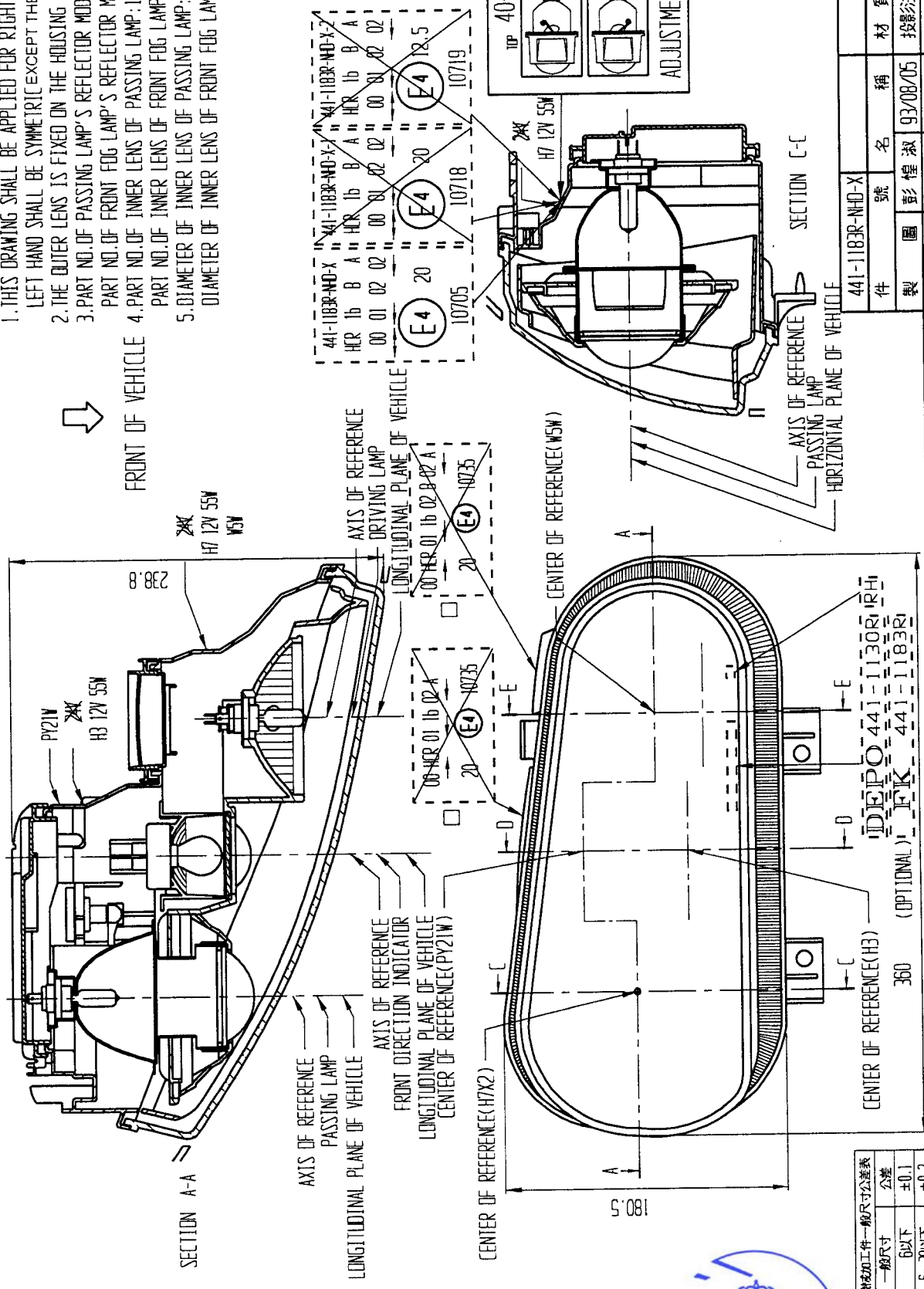
7. Remarks

Date: March 30, 2004
Place: Chang Hua
Person in charge: Hus Hus Chao



NOTE:

1. THIS DRAWING SHALL BE APPLIED FOR RIGHT HAND ONLY AND LEFT HAND SHALL BE SYMMETRIC EXCEPT THE SHIELD OF PASSING LAMP.
2. THE OUTER LENS IS FIXED ON THE HOUSING BY USING GLUE AND CLIPS.
3. PART NO. OF PASSING LAMP'S REFLECTOR MODULE: 03-441-1183LEF.
4. PART NO. OF FRONT FOG LAMP'S REFLECTOR MODULE: 11-441-2007.
5. PART NO. OF INNER LENS OF PASSING LAMP: 14-216-1128.
6. PART NO. OF INNER LENS OF FRONT FOG LAMP: 14-441-2004.
7. DIAMETER OF INNER LENS OF PASSING LAMP: 63mm.
8. DIAMETER OF INNER LENS OF FRONT FOG LAMP: 50mm.



一般尺寸	公差
6以下	±0.1
6~30以下	±0.2
30~120以下	±0.3
120~150以下	±0.5
150以上	±1.0

未註記公差者適用本表

版次	修改說明	日期	製訂	審查	核准

審核

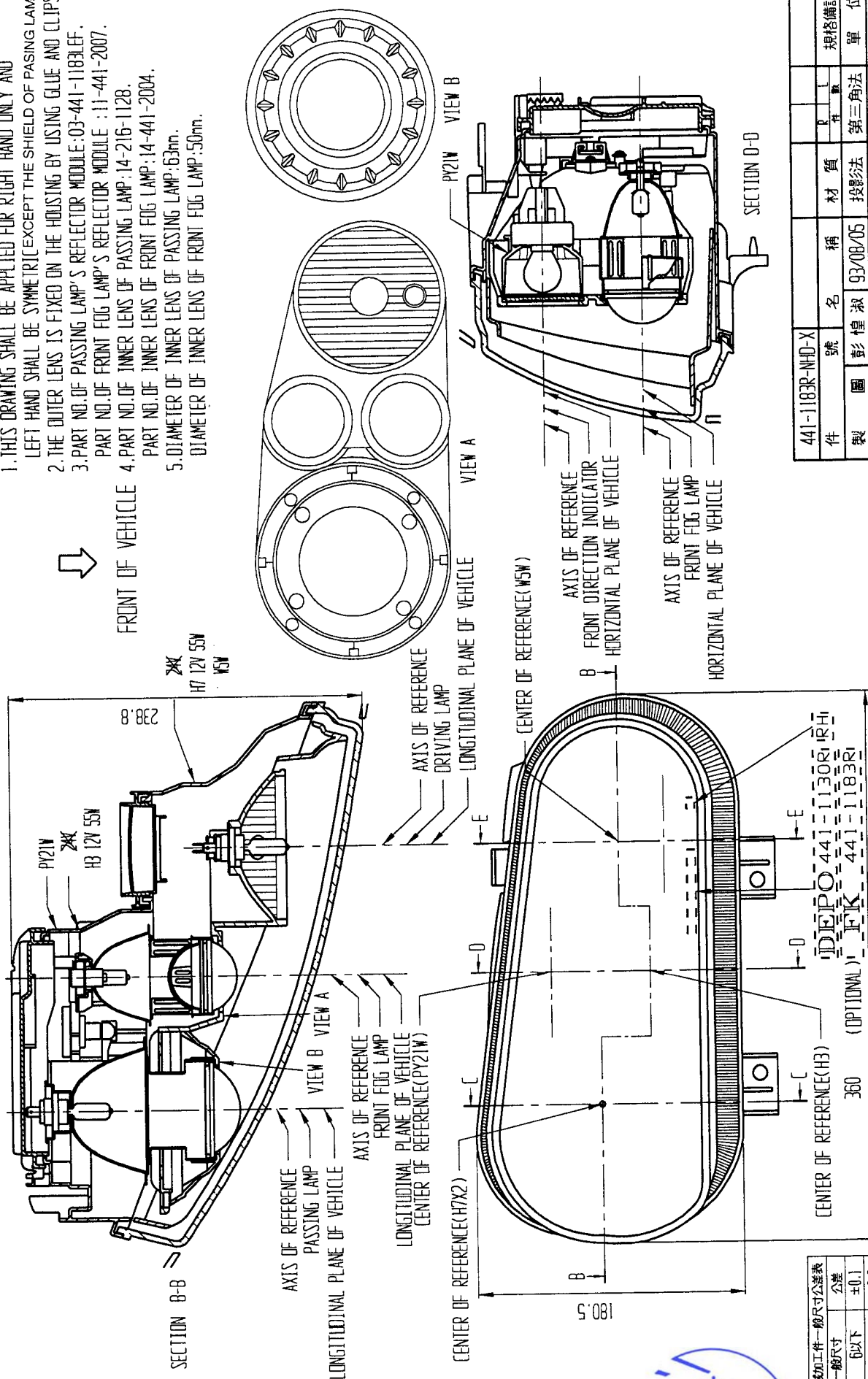
件名	441-1183R-NHD-X	材料		規格備註	
圖號	93/08/05	稱號			
製圖	彭煌淑	投影法		第三角法	單位
設計	陳建良	比例	0.4:1		MM
許敘超		圖名			
		圖號			

表單編號:MYR-F105



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441-1183R-NHD-X		件	材	稱	名	號	圖	製
規格備註	單位	第三角法	比例	圖名	圖號	圖號	圖號	圖號
	MM	0.4:1		頭燈組立圖	00N441-1183HX2			
製圖	設計	審核	許敘超	陳榮元	陳建良	彭煌淑	93/08/05	
材料	名稱	圖號	圖名	圖號	圖號	圖號	圖號	圖號

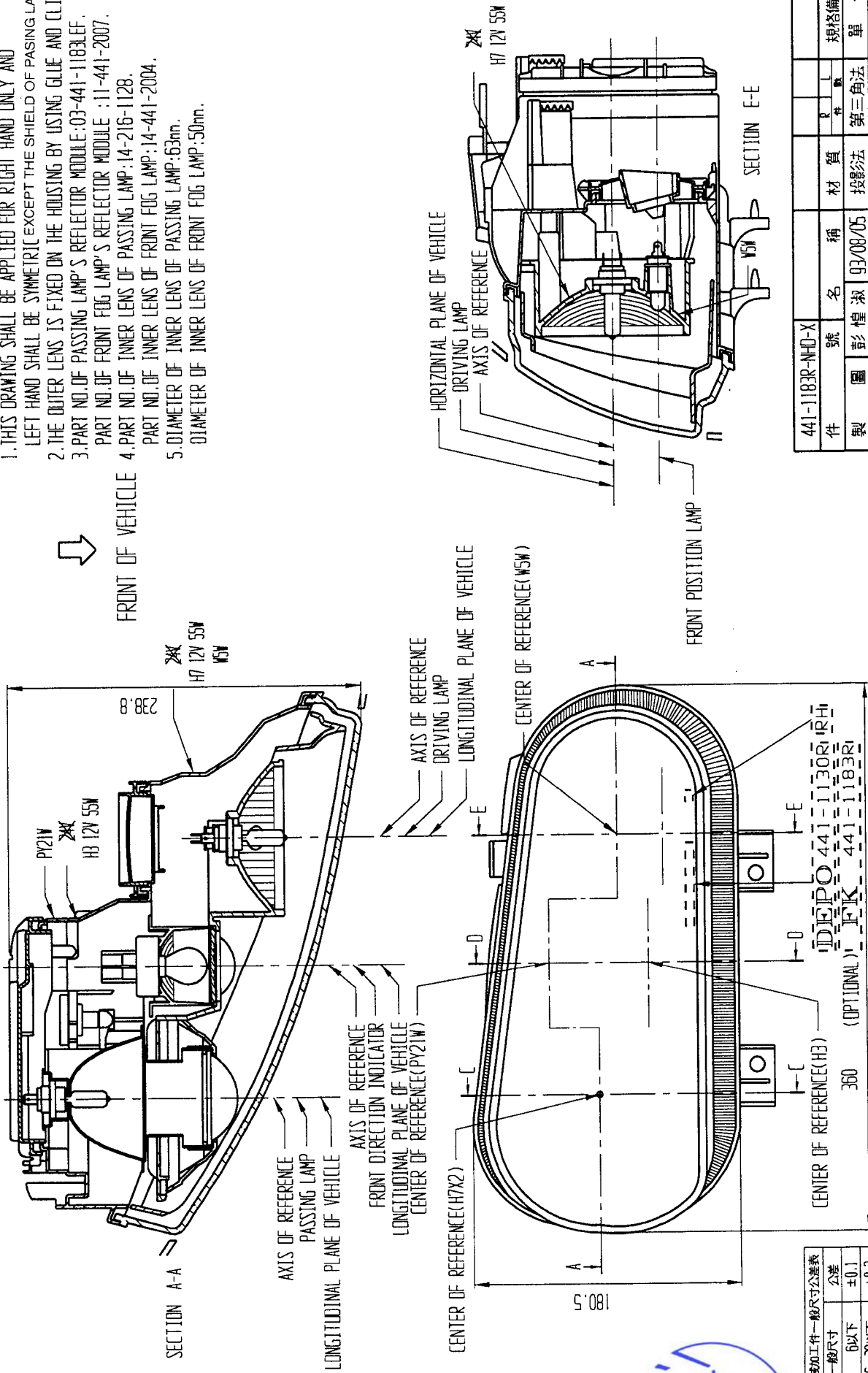
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機械加工件一般尺寸公差表	
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6~30以下	±0.2
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機械加工件一般尺寸公差表	
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件號	彭煌淑	93/08/05	投影法	第三角法
製圖	陳建良	比例	0.4:1	單位
設計	陳榮元	圖名	頭燈組立圖	
審核		圖號	00N441-1183NX3	

版次	修改說明	日期	製訂	審查	核準



