



**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- ~~approval withdrawn~~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-0110961

Extension number: 00

Approval mark:

HCR PL 1a A
 00 01 02
 ↔ ← ←



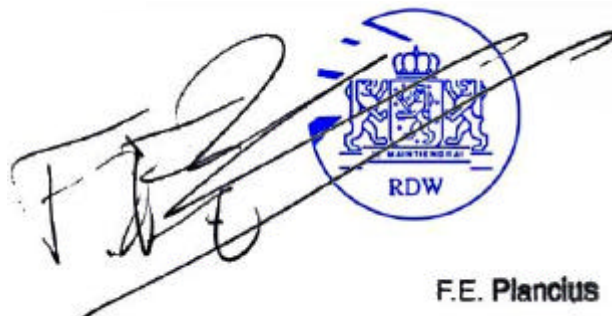
10961

*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 441-1170R/L-NHD
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 : December 17, 2004 to April 1, 2005



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 : April 29, 2005
8. Number of test report issued by that service : 84-R6-01547/04
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 Approval : ~~Granted/extended/refused/withdrawn~~ ⁽¹⁾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 : 17-MAY-2005
15. Signature :



F.E. Planclus

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. 11, corr. 1**

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. Trademark or trade name of the lamp : DEPO
- 0.2. Manufacturer's name for the type of the lamp : DEPO 441-1170R/L-NHD
- 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 : 441-1170 R/L-NHD
date of issue : December 17, 2004
date of last amendment : --

1. Test object(s) and general test information

1.1. Test object(s)

- Identification no. : Not applicable
- Model : 441-1170R/L-NHD
- Remark : Front direction indicator, category 1a, grouped with the headlamp

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 : December 17, 2004 to April 1, 2005
- 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 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 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 lamps are 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 1a

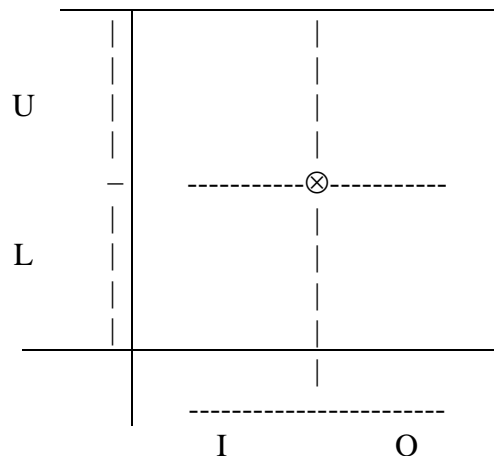
distribution of the intensity of the lamps in [cd]								
horizontal angle		L20°	L10°	L5°	V	R5°	R10°	R20°
vertical angle required minimum intensity	U10°			50		50		
	U5°	25	50		175		50	25
	H		87.5	225	250	225	87.5	
	D5°	25	50		175		50	25
	D10°			50		50		
vertical angle sample no. 1 (left side)	U10°			81.0		76.3		
	U5°	51.2	105.9		191.0		82.3	47.4
	H		166.5	337.5	387.3	285.4	131.2	
	D5°	56.6	138.6		318.2		99.9	28.0
	D10°			107.4		97.9		
vertical angle sample no. 2 (right side)	U10°			70.8		66.1		
	U5°	48.5	95.2		175.2		71.4	40.8
	H		153.6	308.9	335.8	245.2	110.3	
	D5°	49.8	125.7		257.2		83.5	26.4
	D10°			80.7		83.4		

	sample no. 1	sample no. 2	allowable maximum	required minimum
maximum intensity [cd]	389.6	338.1	800	--
minimum intensity in the fields defined in Annex 1 of the Regulation [cd]	1.45	0.50	--	0.3

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

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	34	14	78	48

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, H7x2	84-R112-01545/04
Front position lamp	84-R7-01546/04

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. : 441-1170 R/L-NHD (6 pages)**
(incl. apps.)

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, April 29, 2005
KFO/BL



A handwritten signature in black ink, appearing to read 'B.S.E.E. B. Liu', is written over the printed name.

B.S.E.E. B. Liu

List of modifications

Appendix 0

Correction of : --

Modification of : --

Addition of : --

Deletion of : --

E-MARK APPLICATION

INFORMATION FOLDER NO: 441-1170 R/L-NHD

TYPE: 441-1170R/L-NHD

FUNCTION: HEADLAMP,
FRONT POSITION LAMP,
FRONT DIRECTION INDICATOR

APPLICABLE REG: ECE R112-00 (Class B),
ECE R7-02,
ECE R6-01 (Category 1a)

FOR LEFT HAND SIDE TRAFFIC AND RIGHT HAND SIDE
TRAFFIC

FIRST APPLICATION

DATE: DECEMBER 17, 2004

DEPO AUTO PARTS IND. CO., LTD.
NO. 20-3, NAN-SHIH LANE, LU-KANG CHEN,
CHANG-HUA HSIEN, TAIWAN, R.O.C.



INFORMATION FOLDER NO.: 441-1170 R/L-NHD

1. SPECIFICATION DATA

1. MANUFACTURER'S MARK, TRADE MARK & APPLICABLE REGULATION:

TYPE	441-1170R/L-NHD	
FUNCTION	HEADLAMP, FRONT POSITION LAMP, FRONT DIRECTION INDICATOR	
MANUFACTURER'S MARK	DEPO	
TRADE MARK	DEPO	
APPLICABLE REGULATION	ECE	R112-00 (Class B), R7-02, R6-01 (Category 1a)

2. DRAWING NO.: 00\441-1170N1, 00\441-1170N2, 00\441-1170N3

3. 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.

4. NAME AND ADDRESS OF REPRESENTATIVE OF MANUFACTURER:

NOT APPLICABLE



INFORMATION FOLDER NO. 441-1170 R/L-NHD

2. TECHNICAL DATA

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 DIRECTION INDICATOR, Category 1a	AMBER	12V	21W	PY21W
FUNCTION	LIGHT COLOR	RATED VOLTAGE	RATED WATTAGE	LIGHT SOURCE
FRONT POSITION LAMP	WHITE	12V	20.7W	9 x 2.3W BULBS (WITH SILVER PAINTING ON THE TIPS)

2. CONSTRUCTION AND MATERIAL

CONSTRUCTION	MATERIAL	REMARK
OUTER LENS	PC: LEXAN/LS2-112	COATING: HH9986U-N3 CLEAR (COLOURLESS)
INNER LENS (Passing Lamp)	GLASS	CLEAR (COLOURLESS)
INNER LENS C & D (Front Position Lamp)	PC	CLEAR (COLOURLESS)
INNER LENS B (Front Direction Indicator)	PC	CLEAR (COLOURLESS)
HOUSING	PP+T20%	
REFLECTOR (Passing Lamp)	SPCC	ALUMINUM VACUUM COATED
REFLECTOR (Driving Lamp)	BMC	ALUMINUM VACUUM COATED
SUBREFLECTOR (Front position Lamp, Front Direction Indicator)	PA+M	ALUMINUM VACUUM COATED
RING (Driving Lamp)	PA+M	ALUMINUM VACUUM COATED

3. LOCATION OF MARKING

MARKING		LOCATION
TRADE MARK	DEPO	ON THE OUTER LENS
MANUFACTURER'S MARK	DEPO	ON THE OUTER LENS
LAMP DESIGNATION MARK	H7 24V H7 24V 12V 20.7W	ON THE REFLECTOR
	PY21W	ON THE HOUSING
APPROVAL MARK	E4	ON THE HOUSING

4. REMARKS:

DATE: DECEMBER 17, 2004

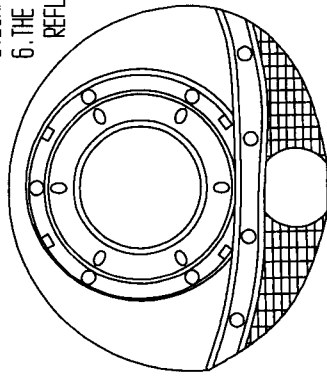
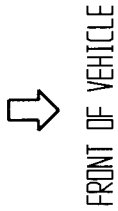
PLACE: CHANG HUA

PERSON IN CHARGE: HUS HUS CHAO

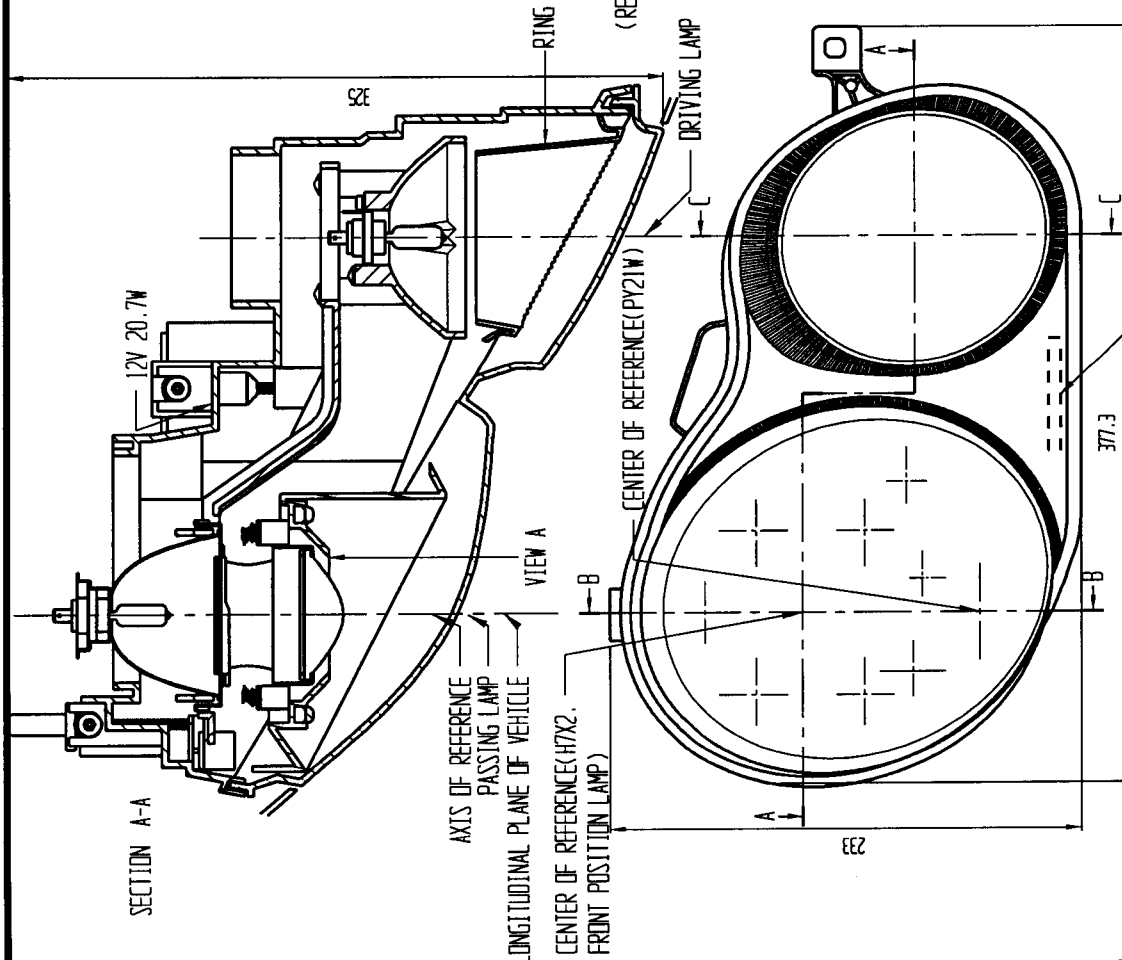
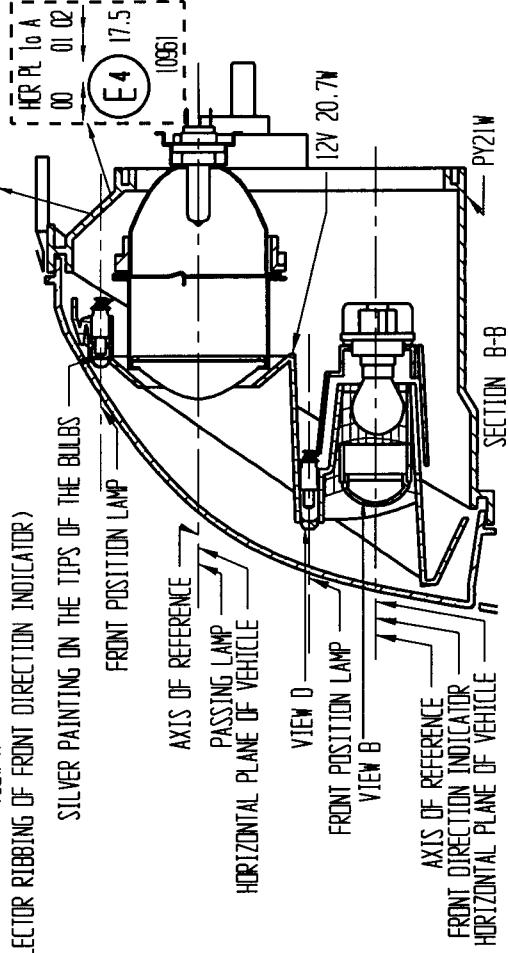
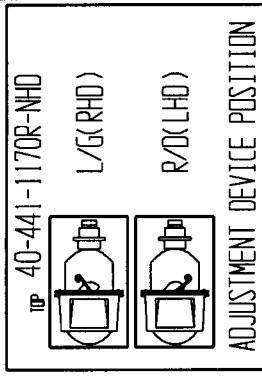


NOTE:

1. THIS DRAWING SHALL BE APPLIED FOR RIGHT HAND ONLY AND LEFT HAND SHALL BE SYMMETRIC.
2. THIS LENS IS FIXED ON THE HOUSING BY USING GLUE AND CLIPS.
3. PART NO. OF PASSING BEAM'S REFLECTOR MODULE: 03-441-1168NL.
4. PART NO. OF INNER LENS OF PASSING BEAM: 14-216-1128.
5. DIAMETER OF INNER LENS OF PASSING BEAM: 63mm.
6. THE BULB HOLDER OF FRONT POSITION LAMP IS FIXED ON THE REFLECTOR BY USING GLUE.



VIEW B



441-1170R-NHD	件	號	吳芳儀	93/12/06	名稱	材質	規格備註
	製	圖	計		投影法	比例	單位
					0.4:1	MM	
					圖名	圖號	
					頭燈組立圖	00441-1170N1	

版次	修改說明	日期	製訂	審查	核准

DEPO 441-1170R
(OPTIONAL) DEK 441-1170R



機械加工件—般尺寸公差表	公差
一般尺寸	±0.1
6以下	±0.2
6~30以下	±0.3
30~120以下	±0.5
120~150以下	±1.0
150以上	±1.0
未註記之準者適用本表	

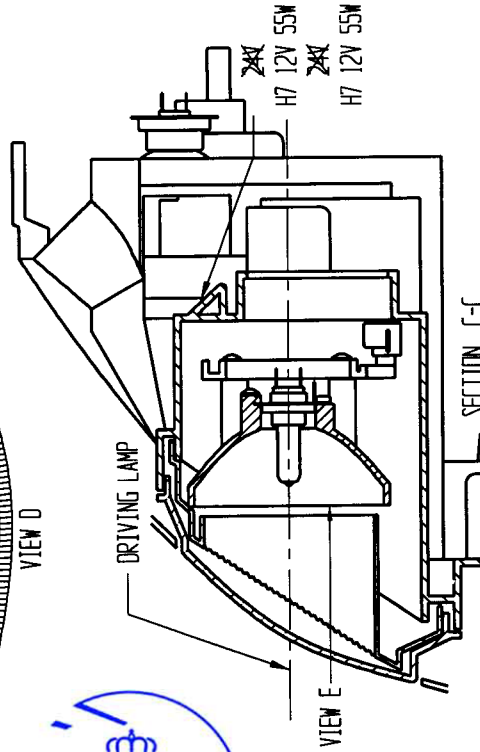
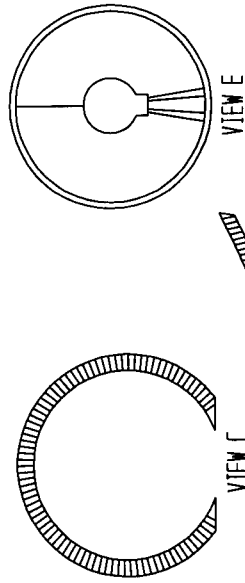
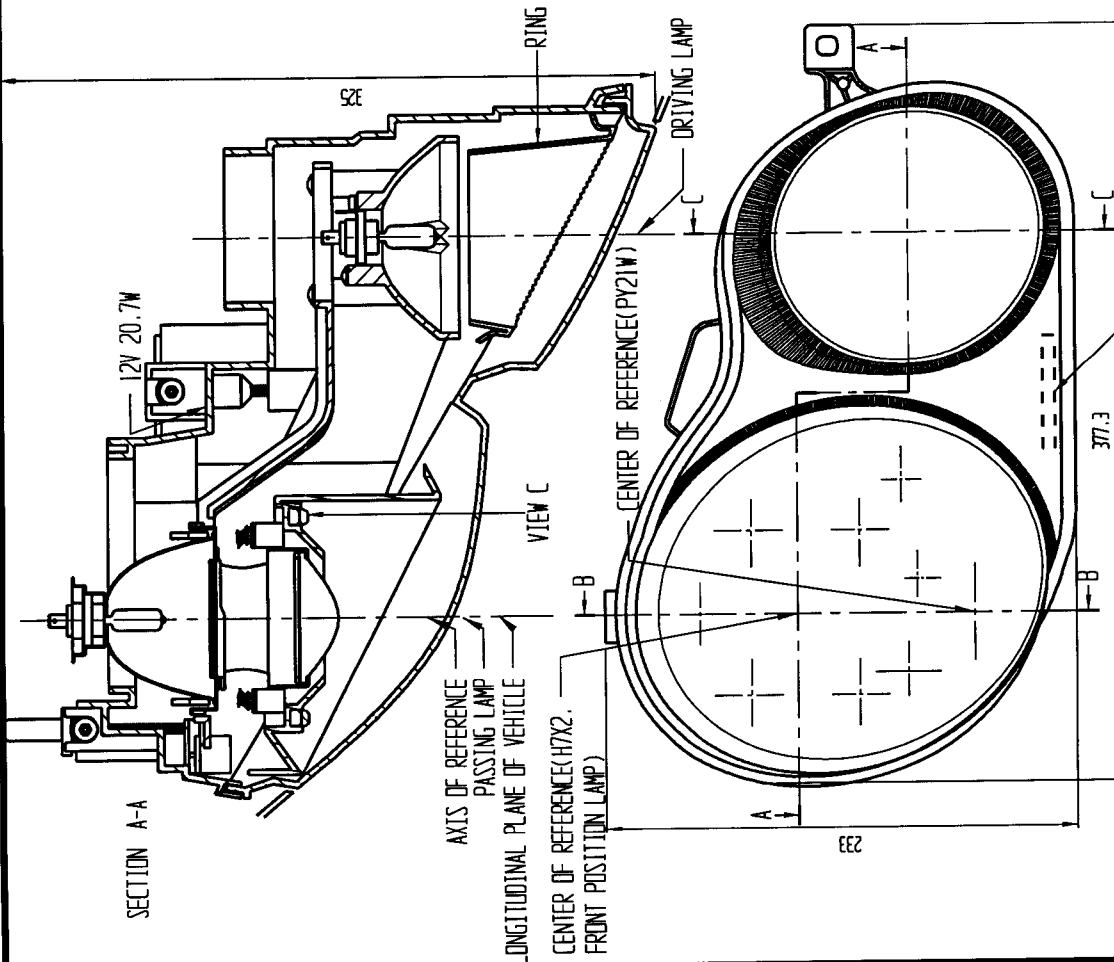
第二版

帝寶工業股份有限公司 成品/零件圖

- NOTE:
1. THIS DRAWING SHALL BE APPLIED FOR RIGHT HAND ONLY AND LEFT HAND SHALL BE SYMMETRIC.
 2. THIS LENS IS FIXED ON THE HOUSING BY USING GLUE AND CLIPS.
 3. PART NO. OF PASSING BEAM'S REFLECTOR MODULE: 03-441-1168NL.
 4. PART NO. OF INNER LENS OF PASSING BEAM: 14-216-1128.
 5. DIAMETER OF INNER LENS OF PASSING BEAM: 63mm.
 6. THE BULB HOLDER OF FRONT POSITION LAMP IS FIXED ON THE REFLECTOR BY USING GLUE.



FRONT OF VEHICLE



441-1170R-NHD	號	名	稱	材	質	規	格	備	註
製	圖	設	計	吳芳權	93/12/06	第三角法	單位	0.4:1	MM
圖		名		圖		號		00441-1170N2	
圖		名		圖		號		00441-1170N2	

版次	修改說明	日期	製訂	審查	核準

JEPO 441-1170R
(OPTIONAL) EK 441-1170R

機械加工件一般尺寸公差表	公差
一般尺寸	±0.1
6以下	±0.2
6~120以下	±0.3
120~150以下	±0.5
150以上	±1.0

未註公差者適用本表

表單編號:MYR-F105

