



# VEHICLE CERTIFICATION AGENCY INFORMATION DOCUMENT



For application for approval of  
ECE REGULATION 81,  
uniform provisions concerning the approval of  
REAR-VIEW MIRRORS and of  
TWO-WHEELED POWER-DRIVEN VEHICLES  
with or without SIDE CAR,  
with regard to the  
INSTALLATION OF REAR-VIEW MIRRORS ON HANDBARS

1. Job No. : \_\_\_\_\_

2. Applicant 申請者資料

2.1 Manufacturer : 製造者

Name: : FU-HWA MIRROR CO., LTD.

Address : 688 CHANG-LU ROAD, SEC 7

LUKANG, CHANG-HWA

TAIWAN, R.O.C.

2.2 Representative of the manufacturer( If applicable)申請者代理

Name : Not Applicable

Address : \_\_\_\_\_





Vehicle Certification Agency  
Far East Office

英國車輛驗證局遠東辦事處



建維品質

3. Device for approval
- 3.1 Model name  
REAR-VIEW MIRRORS ON HANDLEBARS
- 3.2 Model Number  
Not Applicable
- 3.3 Trade name or mark of the device 所使用的商標  
Fu
- 3.4 Class  
L
- 3.5 Mounting instruction  
on handlebars of two wheeled vehicle
4. Drawings in sufficiently detailed to enable:
- 4.1 Compliance with the general specifications prescribed in paragraph 6 to be verified,
- 4.2 Compliance with the dimensions prescribed in paragraph 7.1 to be verified and
- 4.3 Compliance with the positioning of the spaces provided for the approval mark and prescribed by paragraph 4.2 below to be checked.
5. Four samples for testing(四支樣品，二左/二右)



2.2 Representative of the manufacturer( If applicable)申請者代碼  
Name Not Applicable  
Address \_\_\_\_\_



VEHICLE CERTIFICATION AGENCY

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Eastgate Road  
Bristol BS5 6XX  
United Kingdom

☎ Switchboard 0117 951 5151  
☎ Direct Line 0117 952 4  
Fax: 0117 952 4103

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

Rev 1/93



COMMUNICATION CONCERNING APPROVAL GRANTED OF A TYPE OF REAR-VIEW MIRROR PURSUANT TO REGULATION NO 81 (STU)

Approval No: 00 1005



1. Trade name or mark of the equipment: FU
2. Equipment type: FA27
3. Brief description including in particular the following information:
  - 3.1 Main dimensions of the reflecting surface: height=120.6mm, width=82.6mm
  - 3.2 Nominal radius of curvature of the reflecting surface: 1350mm
4. Manufacturer's name and address: Fu-Hwa Mirror Company Limited, 688, Chang-Lu Road, Section 7, Lu-Kang, Chang-Hwa, Taiwan, Republic of China
5. If applicable, name and address of manufacturer's representative: not applicable
6. Equipment submitted for approval on: 13 June 1998
7. Technical service responsible for conducting approval tests: TUV Rheinland Kraftfahrt GmbH
8. Date of report issued by that service: 29 January 1997
9. Number of report issued by that service: 84-R81-205/96

10. Vehicles for which the equipment is designed: Any vehicle of category 'L' where the driver is not wholly or partially covered by bodywork.

11. Approval GRANTED

12. Reason(s) for extension of approval: not applicable

13. Place: BRISTOL

14. Date: 8 JULY 1998



15. Signature:

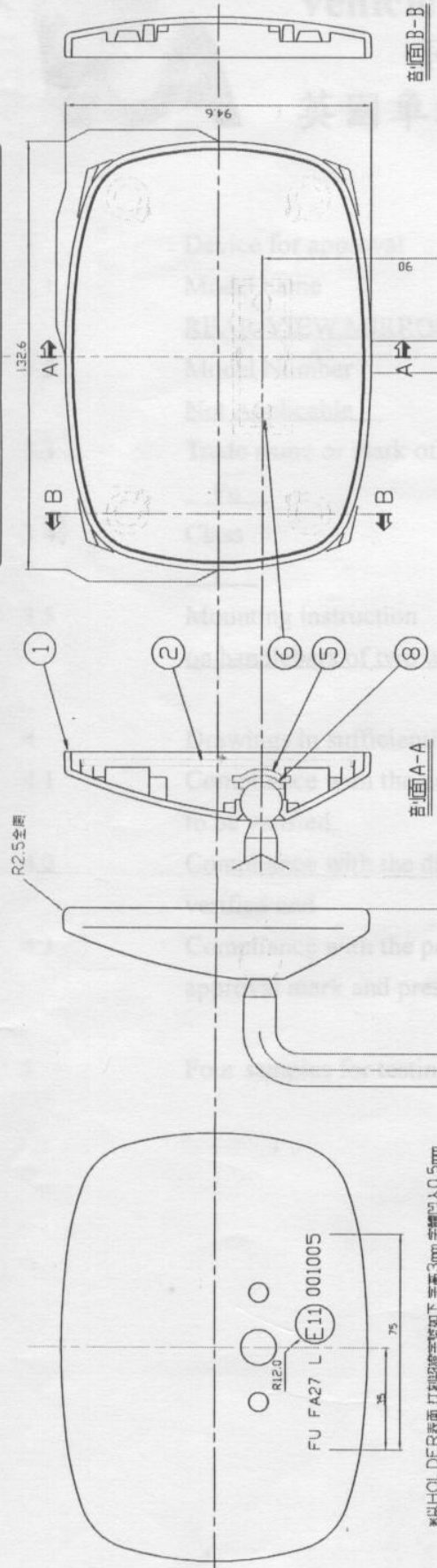
*M. Mulvaney*

*PP*

P F NICHOLL

16. A list of documents contained in the approval file transmitted to the administrative service which has granted approval is annexed to this communication.

98/998215



※以HOLDER表面,打刻距離字號如下,字高3mm;字槽寬0.5mm



後視鏡鏡片 BACK MIRROR DETAIL

1	由基半徑	R1350 ±150
	反射膜	Cr
	反射率	50±5%
	歪斜率	5% MAX
2	鏡面角度	30° MIN
3	鏡面掛鉤	POINT P4-4.5 KG
4	反射面傾	8946.7 mm

未指示部份 請依照 JIS D5705試驗規定

NOTE: 本圖示右,右側視之對稱

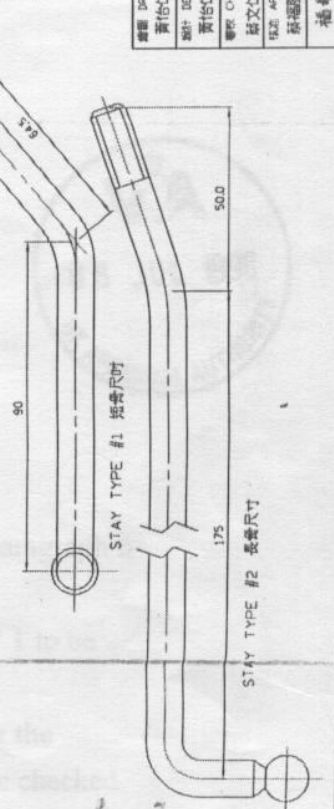
1988 06.12 比例尺 SCALE 1:1

製圖員	黃怡仁	製件號	FA-27
設計	黃怡仁	材料	ZDC2
審核	林文仁	零件號	27-005-00
繪圖	林文仁	圖名	後視鏡

總成圖

出圖日期 6.12.87 開發

NO.	DWG. NO.	NAME	L/R	QTY.	MATERIAL	REMARKS	DWG.
8	88118	GASKE.T MIRROR STAY	1	1			
7	90314	NUT LOCK	1	1	R/L THREAD		
6		SCREW PAN	2	2	SVRM	NO. 8*20*NC1/2"	
5	88117	BRKT. MIRROR STAY	1	1			
4	88123	STAY L MIRROR	1	1	R THREAD		
3	88113	STAY R MIRROR	1	1	L THREAD		
2	88112	MIRROR	1	1			
1	88111	HOLDER MIRROR	1	1			



Manufacturer : FU-HWA MIRROR CO., LTD.  
Type : KEE4 R/L

**Test minutes**

**Appendix 1**

**Dimension of reflecting surface**

reflecting surface : 90 cm<sup>2</sup>  
required minimum value of : 69 cm<sup>2</sup>

inscribed circle in a non circular mirror : 80 mm  
required minimum value : 78 mm

The reflecting surface does fit into a rectangle measuring 120mm by 200mm.

**Reflecting surface and coefficient of reflectivity**

radius of curvature

$rp1 = (r_1 + r'_1) / 2$  : 1412 mm  
 $rp2 = (r_2 + r'_2) / 2$  : 1389 mm  
 $rp3 = (r_3 + r'_3) / 2$  : 1400 mm  
 $r = (rp1 + rp2 + rp3) / 3$  : 1400 mm  
required minimum value of r : 1000 mm  $\leq r \leq$  1500 mm

maximum difference between any of  
the radii ( $r_{p1}$ ,  $r_{p2}$ ,  $r_{p3}$ ) and r : 12 mm

allowable maximum difference : 203 mm (0.15 x 1350mm)

coefficient of reflection : 51 %  
required minimum coefficient : 40 %

resistance to corrosion and aging : manufacturer's statement attached

recognition of colours : red, yellow, green, blue, white

tinting of mirrors : without

Manufacturer : FU-HWA MIRROR CO., LTD.  
Type : KEE4 R/L

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**Impact tests**

Impact point according to " Test No. 1"  
angle for raising pendulum and the vertical : 51 °  
breakage of mirror : no

Impact point according to " Test No. 2"  
angle for raising pendulum and the vertikal : 39 °  
breakage of mirror : no

**Bending test** : The test load had been applied for one  
minute.  
breakage of mirror : no