INFORMATION DOCUMENT NO. SCE-0006

RELATING TO FCC TYPE-APPROVAL AS SEPARATE TECHNICAL UNIT OF VEHICLE RF RENOTE KEYLESS ENTRY

CONTENTS LIST

Information Document	(5 sheets: including this sheet)
Attachment 1 - System diagram	(1 sheet)
Attachment 2 - Drawing of the transmitter	(3 sheets)
Attachment 3 - Drawing of the receiver	(4 sheets)

WARNING

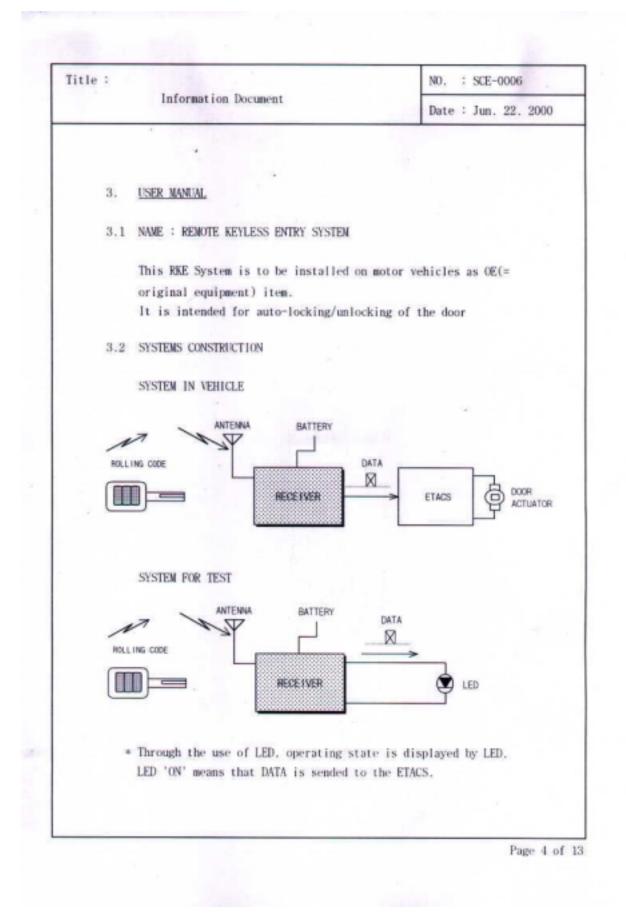
Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

SHINCHANG ELECTRICS CO., LTD.

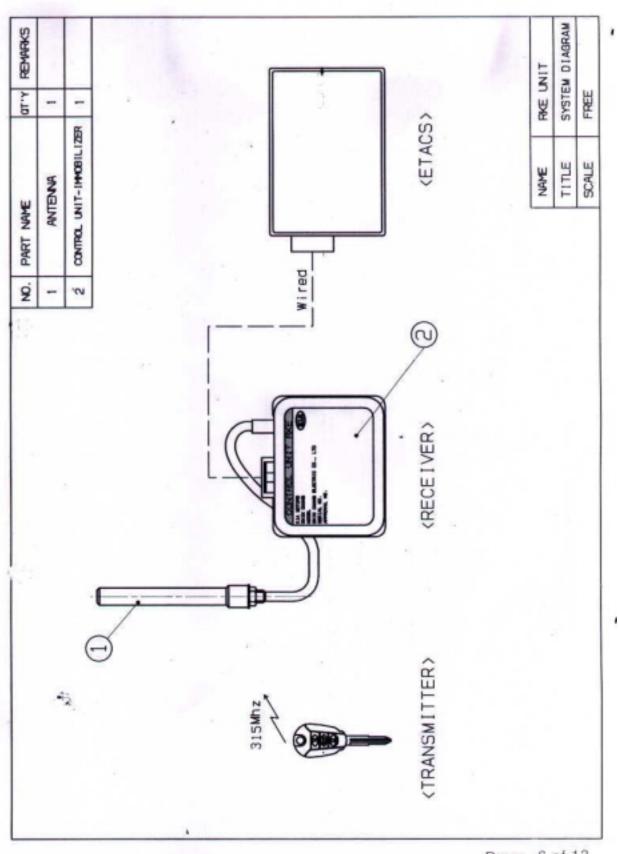
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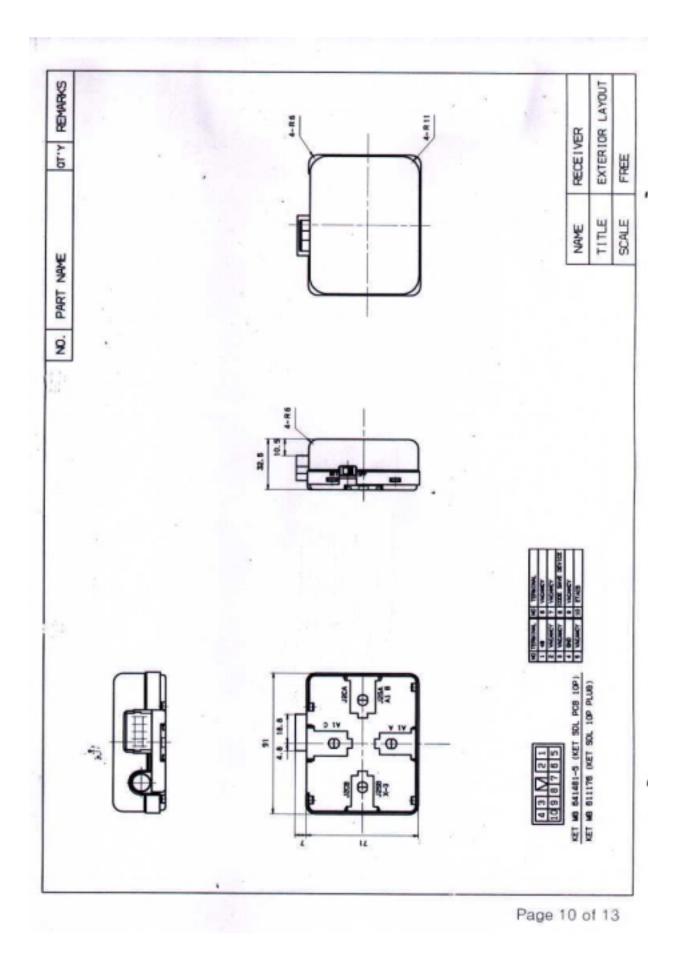
Title :	Information Document	NO. : SCE-0006 Date : July 26. 2000	
	Information Document		
2.	PRODUCT SPECIFICATION		
2.1	SCOPE		
2.1.1		uside of the FOLDING KEY, and it GCODE to the RECEIVER by Radio Frequency.	
2.1.2	RECEIVER : It receives the ROLLING CODE and decodes that, and sends the DATA to ETACS*.		
	*ETACS : Electronic Time & Alarm Control System.		
2.2	SPECIFICATIONS		
2.2.1	TRANSMITTER		
	ITEM	SPECIFICATION	
	RATED SUPPLY VOLTAGE	DC 3V	
	OPERATING VOLTAGE RANGE	DC 2.5 ~ 3.2V	
	OPERATING TEMPERATURE RANGE	-20 -+60 °C	
	STORAGE TEMPERATURE RANGE	-30 ~ 85°C	
	Nodulation	AM	
	Frequency	315.00MHz	
	Code	Rolling Code(Hopping Algorithm)	
	Electric field strength	199 ~ 500gV/m (315,00MHz)	
	SPURIOUS RADIATION	-43dBm (NAX)	
	BATTERY LIFE	2 YEAR(Lithium 3V 1EA)	
0.0.0	RECEIVER		
	ITEN	SPECIFICATION	
		DC 12V	
	Rated Supply Voltage Operating Voltage	DC 9 - 16V	
	I SHET BUILDE YOIL BRE		
		= 31 = + 301	
	Operating Temperature	- 30 ~ + 80°C	
	Operating Temperature Storage Temperature	- 40 ~ * 85°C	
	Operating Temperature Storage Temperature StandBy Current	- 40 ~ + 85°C 3.0mA (max)	
	Operating Temperature Storage Temperature	- 40 ~ * 85°C	

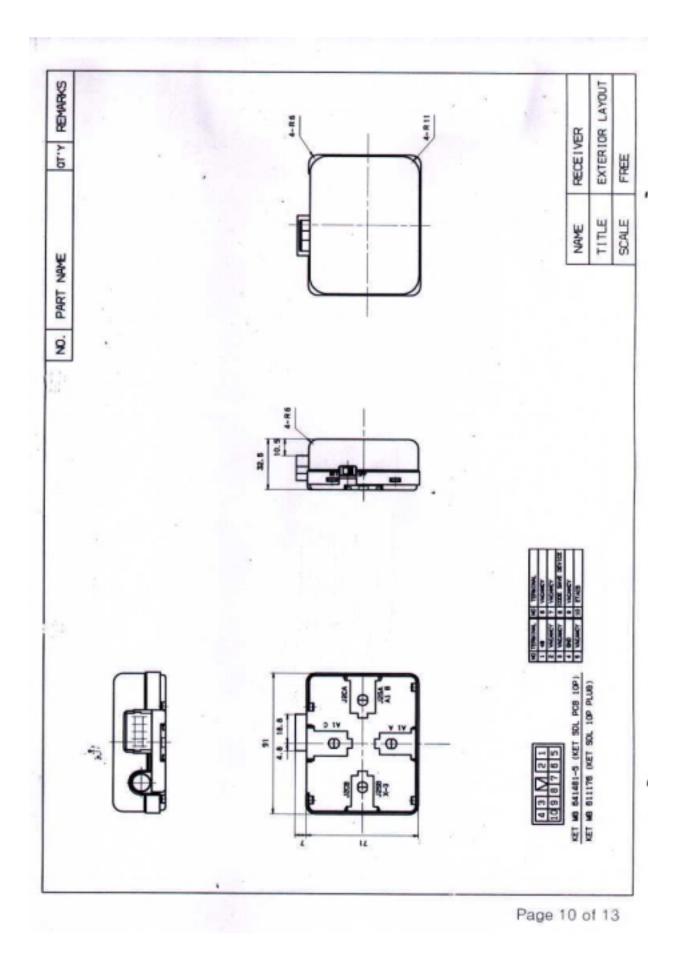


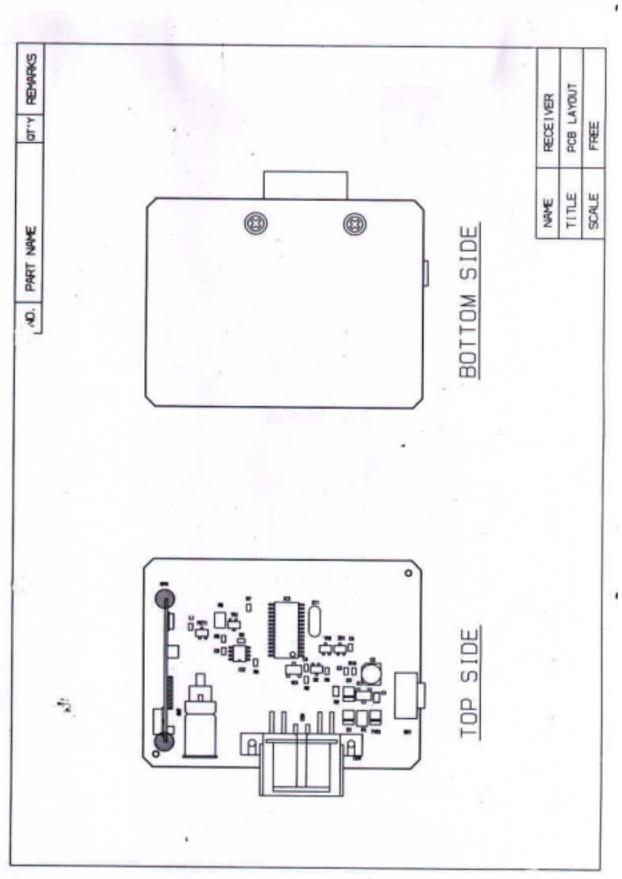
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3.3 <u>OP</u>	ERATING SUMMARY		
D By the	e driver of the vehicle. TRANSMITT	ER's button is pushed	
	NITTER sends appropriate CODE by R	a set of the set of th	
	VER gets the code and decodes it.		
④ When H	Rx proves it to be the right code.	Rx sends DATA(instruction)	
to the	ETACS.		
5 ETACS	receive it, and drive the actuato	er.	
The syste	em has the function as follows.		
# Wheney	ver DATA is sended to ETACS, LED i	s turned 'ON'.	
3.3.1 1.0	CK & UNLOCK		
	LOCK or UNLOCK button is pushed	for less than 1 sec. then	
	ANSMITTER sends the LOCK or UNLOCK		
3.3.2 TR	UNK OPEN		
If	TRUNK button is pushed for more	than 0.5 sec, then	
TR	ANSMITTER sends the 'TRUNK OPEN' I	DATA	
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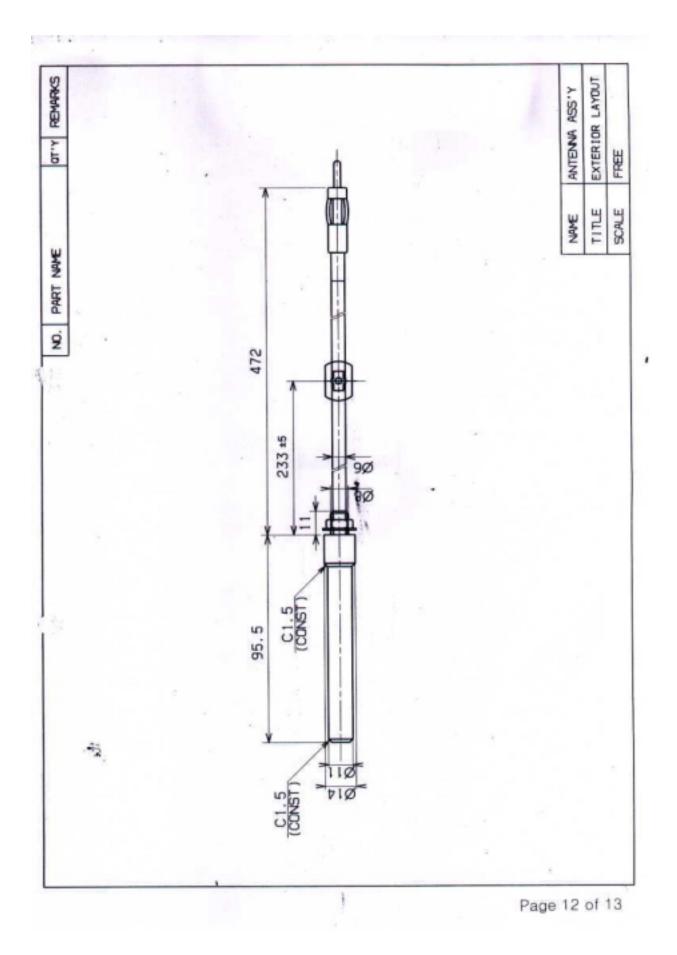
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INFORMATION TO THE USER

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which

the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

WARNING

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