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# Renault – Nissan 3H Immobilizer

## Functional description & user manual

### Index of Changes

No.	Version	Chapter	Description	Name/Date
1	V1		Initial Version	Xiao Jie Mar. 13 <sup>rd</sup> , 2015
2	V2		update	Xiao Jie Jun.3 <sup>rd</sup> ,2015

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## 1 General Description

This document describes the content and the function of the Immobilizer Active Antenna.

All documents will be exchanged in English

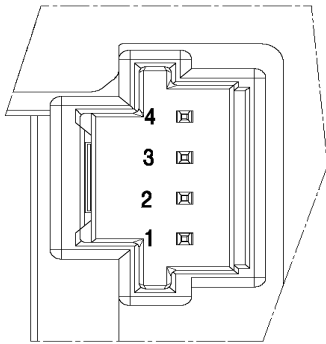




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### 2.3.2 Connector



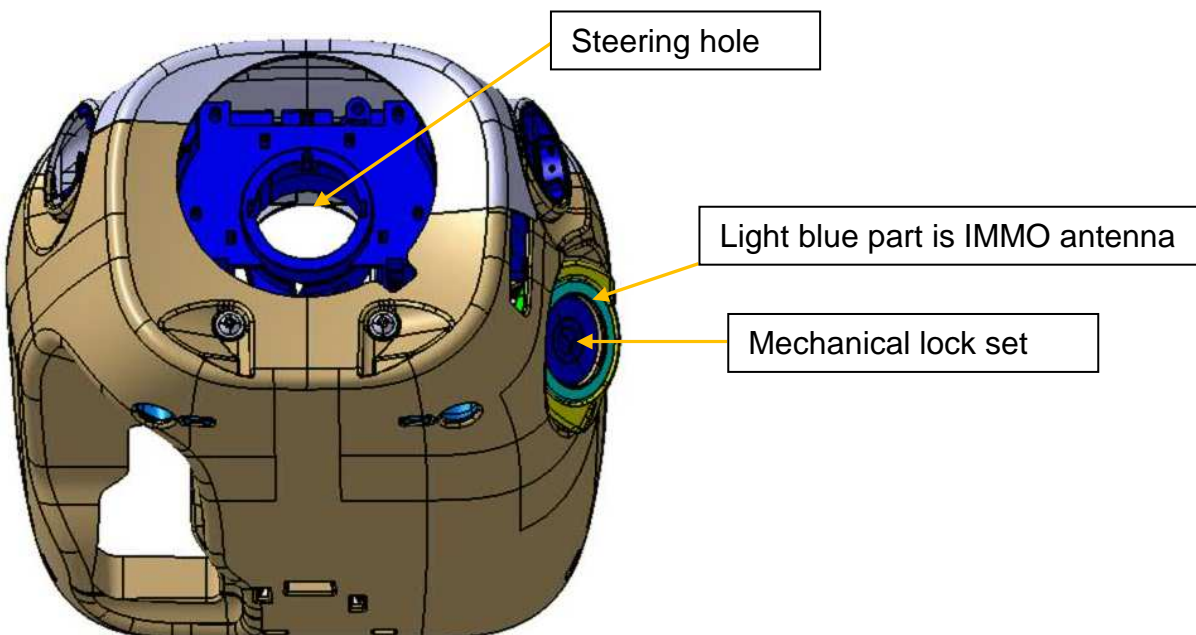
PIN DEFINITION		
PIN NO.	SIGNAL	DESCRIPTION
1	BAT	Supply voltage (12V)
2	SCLK	Synchronization clock for serial interface
3	GND	Ground
4	SDATA	Bidirectional serial data line

### 2.4 SW concept

There is no software inside active antenna; all control logic is implemented in BCM.

## 3 End user manual

### 3.1 Overview picture to show where IMMO antenna on car (from driver direction)



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IMMO antenna

Mechanical Lock set

**3.2 End user operating steps:**

Step 1: Insert key to mechanical lock set



key

Step 2: Rotate key to start position (start letter shown on mechanical lock set).  
 Authentication is started among key, IMMO, and EMS.

Step 3: When you feel engine has been started, then release key, key will automatic rotate back to ON position (On letter which shown on mechanical lock set)

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