

PGF 7941 Reset Extended

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I. Introduction

MMW.SCO/ This ImmoHPX module for Orange-5 (O5) programmer is intended to restore factory settings in transponders PCF7941 used in several types of remote keys. The used remote keys are locked with unknown password and are useless for the further using. The module restores the default password and a key can be used as a new one.

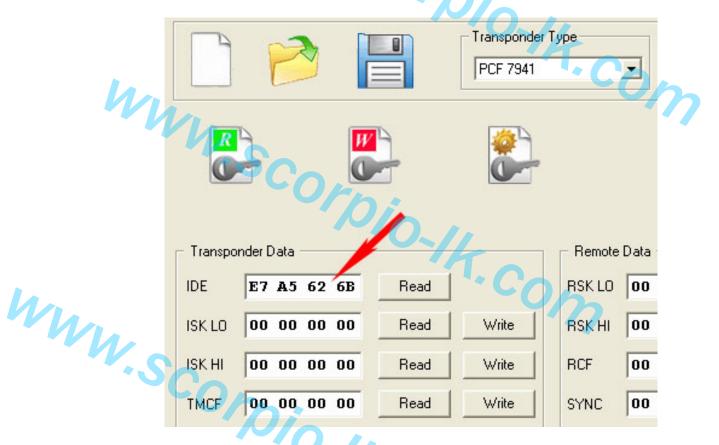
The transponder functions (to start engine) are the same on all brands, thus it is possible to restore it on any PCF7941 of any brand.

The module provides two functions: **RESET** and Write ID.

The **RESET** function restores default settings.

W.Scorpio-14.cc

The Write ID function allows to change the serial number of a transponder that is the Page0 :

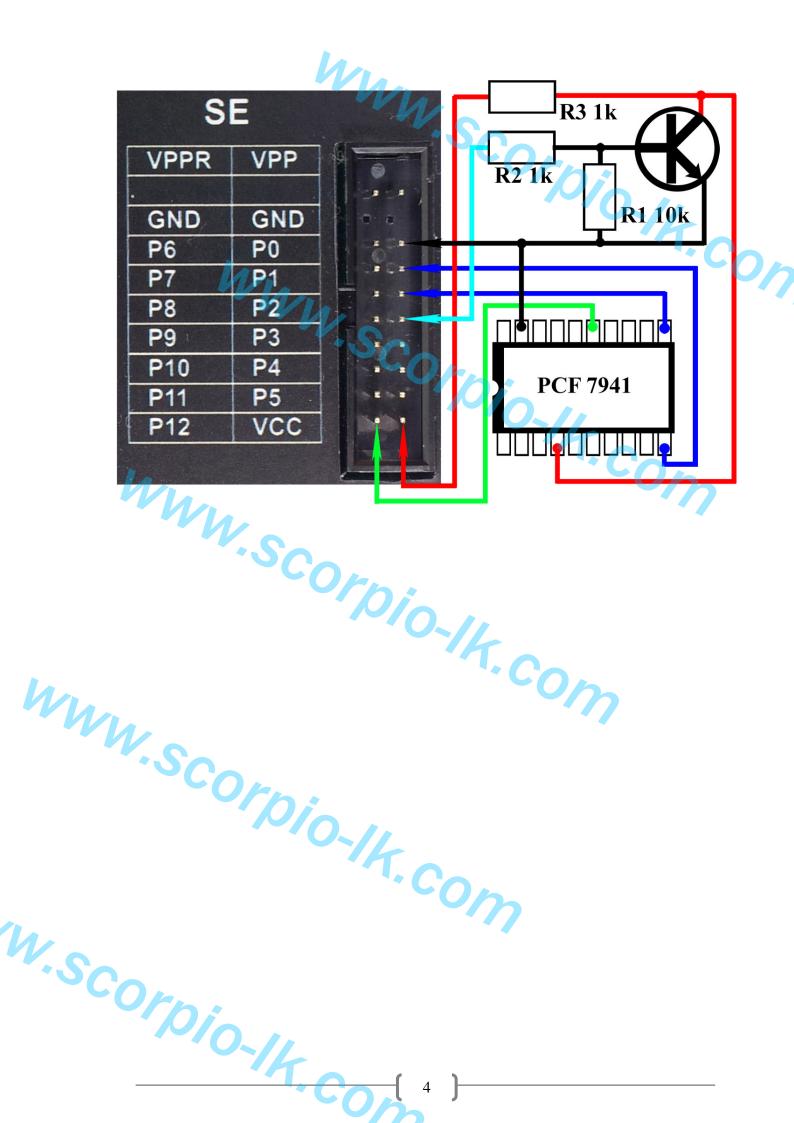


The special adapter "PCF7941" should be used. The layout of the adapter provides the four soldering places, using only one slot at a time, this allows using of the adapter for a long time.

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In case of missing the adapter it is possible to make connections manually according to the following scheme: W.Scorpio-14.co



III. RESET

This feature resets PCF7941 and stores several different types of remote functions. It means that it is possible to make compatible transponder from any PCF7941.

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- 1. Click "Select Type" and choose "3-O5 immo".
- 2. The left window: "PCF"
- 3. The right window: "PCF7941v2 Reset "

This feature resets PCF7941 a it is possible to make compat 1. Click "Select Type" and ch 2. The left window: "PCF" 3. The right window: "PCF79	ible transponder from noose "3-O5 immo".	erent types of remote any PCF7941.	e functions. It means that
Select Type	Configuration 3-05 Imr	noHPLv10	
Group [38] MC68HC705X32 EPROM SsangYong PCF Alfa Romeo Audi BMW Chevrolet Chery Chrysler Citroen DAF Dodge Fiat	Chip [2] PCF7941 Reset PCF7941v2 Reset	4612:	
S	Orn -	OK Cancel	

4. Click "File Open" and load appropriate type *.bin file. Files can be found at ...orange5/HPL/O5IMMO/PCF7941 Reset Files/...

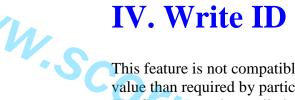
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	Look in: PCF7941 Reset Files 💽 4	= 🖻 📸 🖬 ▼
	Chrysler Citroen Land Rover Smart	om
v.	File name:	Open
N.Sc	File name: Files of type: All Supported Files	Open Cancel

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	Look in: 🗀 L	and Rover	-	두 🗈 💣 📰 🔻			
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F	File name:	Discovery3.bin			Open		
F	Files of type:	All Supported Files		_	Cancel		
		Copen as read-only	<u> </u>	2	//		
				P	0.1		
5.]	Ensure the	"FLASH" area sele	cted in the righ	nt bottom cor	ner:		
	VCC	-57				f. cc	m
_		000000 🦊 NUM					
6. (Click "RES	ET" button:	(2-14	Co		
		.bin - Orange5 e Tools Options Type F	Recent Help			? ?	RESET Write ID
0	00000 F4 B9 5 00010 1C 0A 3 00020 0F 74 F	2 03 04 05 06 07 08 03 1 8F 10 68 3E 19 0A 26 9 0A 18 35 2B 0B 30 24 E A0 6B 9E 24 02 1B 26 1 00 29 00 24 22 91 25	5 23 E2 A2 90 39 4 0A 22 8B 2B B9 3 28 2B 80 02 4E	59 ∲№QŲ.h> 2E95+.0 22 .tю kħ\$	&#вўђ9Ү \$."<+№. ((+Ђ.N"</td><td></td><td></td></tr></tbody></table>		

After RESET finishes the PCF7941 has status of a new unused transponder and may be used for programming to a car. The default crypto key is 4D494B52 : 4F4E.

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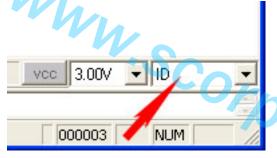


This feature is not compatible for using on implemented types of keys. Random or different value than required by particular type of vehicle causes remote functions failure. The feature may be applied to any locked PCF7941. It restores default settings and changes the page0 of a transponder. 14.0

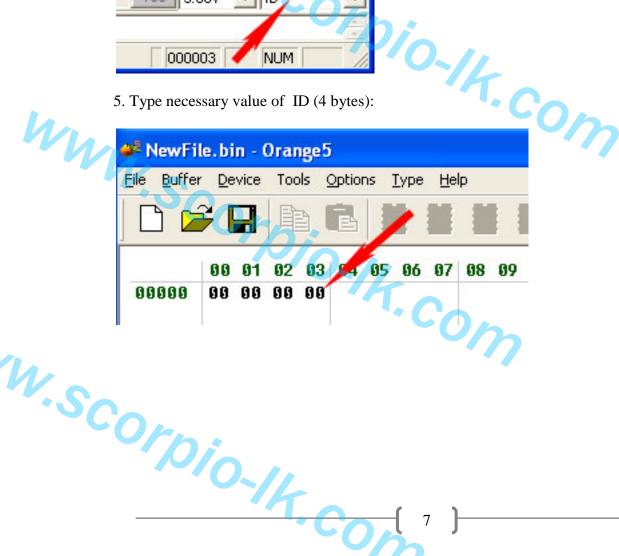
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- 1. Click "Select Type" and choose "3-05 immo".
- 2. The left window: "PCF"
- 3. The right window: "PCF7941 Reset"

Select Type	vindow: "PCF7941 Reset"	×	Orn:
Groups 💌	Configuration 3-05 Immo	•	NO
Group [27]	Chip [1]		
PCF Alfa Romeo Audi BMW Chery Chrysler Citroen Dodge Fiat Ford Gilera Honda Jeep	PCF7941 Reset		orpio-14.com
	OK	Cancel	0-11
4. Ensure the	"ID" area selected in the right b	oottom corner:	10-14. com



5. Type necessary value of ID (4 bytes):



6. Click "Write ID" button:



<mark>Buffer Buffer B</mark>				- C		; Iy	ре <u>Н</u> е	lp						77								
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There is a standard that requires certain value at the LSB of ID depending of the transponder type. The PCF7941 is marked with value "6" in the high nibble of LSB of ID, for example A4 8B C0 6B. The module can write any values, but it should be taken into account that some л. 1010-14. Сот immobilizers check this value.

V. Supported Types

Chrysler 1. Bladed 315MHz ASK Scorp

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mm. Land Rover 1. Land Rover Discovery 3, Range Rover Sport 433.92MHz



2. Vogue 433.92MHz



Smart 1. Smart 315MHz FSK

