

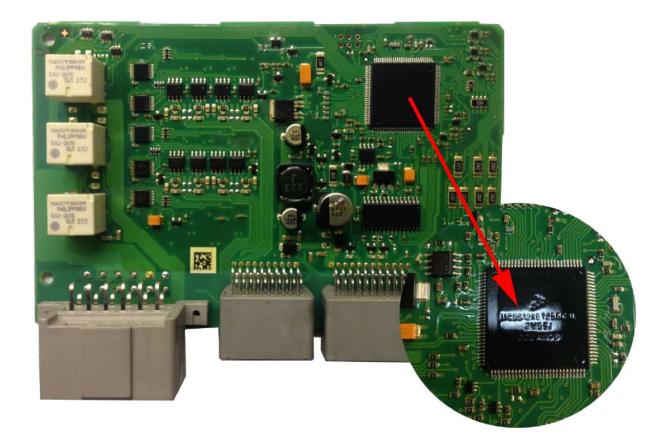
# Range Rover (L320) Hitag Pro (KeyLessGo) 2010 - ...

## I. Overview

Range Rover	Jaguar
<b>Discovery 4</b>	XE
Evoque	XF
Sport	XJ

Original transponderHITAG PROAllowed transponderHITAG PRO : PCF7939P [BCM]; PCF7953 KeylessGo [RFA+BCM]Data locationRFA [MC9S12XEP256: D-Flash+EEE] & BCM [MC9S12XEP768: D-Flash]No. of keys8









## II. Keyless (RFA+BCM)

The following procedure allows programming a fully functional HITAG Pro KeylessGo key (PCF7947, PCF7953), it has to be added in **both** RFA and BCM, resulting key will have both KeylessGo and Emergency start functions.

#### Procedure

1. Open the RFA maker and Load RFA dump files [MC9S12XEP256: D-Flash+EEE]

	Transponder Type	> > /	1	1
		Londed File No file		
kár nge Rovez Opozt (RF&)	Load Multiple File	×		
no Friginal transponder Hites PRO Hites PRO Eitas PRO	Load EEE Load D-Flissh	CEC bin		
		Contrua		
ta location 9512XET256 (EEE) 9512XET256 (D-Flach) ta size: 2KE.4KB 4kB.32kB		O Key 7 O Key 8 Day 3		
		C Key 11		

2. Select key position

	Transponder Type	> > A	<b>(</b>	1
2		Loedad Fis Wultiple File		
sier nge Rover Sport (RFÅ)		Keys @ Key1 4E2CF012 PCF7853P		
		O Key 2 0134F032 POF7953P		
,		C Key 3		
iginal transponder: Bitag FRO lowed transponders: Bitag FRO	1	- 150y-4		
Eitag PRO		C yest (		
ta locatios:		C Key 6		
9512XET256 (EEE) 9512XET256 (D-Flash) ta mine:		Fay 7		
2kB, 4kB 4kB, 32kB		C ford Keyl		
	÷	C Kay10		
		Cold Am		

- 3. Write key, after completion new EEE file is generated
- 4. Open the BCM maker and load BCM dump file [MC9S12XEP768: D-Flash]

6	Transponder Type Unity		• <u>\$</u>	-
<b>.</b>		Loaded File XEP768_D-11c	seb.bin	
ldes ange Nover Sport (BCN)		Kays (Kay 1 4F)	205012 DOF2453D	
		100 C 100	34F032 POF7153P	
en .		OKey 3		
riginal transponder Bitag PRO		O Kay II		
llowed transponders: Hitag PRO		C Kay S		
ata location		(Trey fi		
9512MEP760 (D-Flash) Data size: J288		C Key 7		
3288		🗌 Kay B		
		C (Key 9		
		Nay 10		

- 5. Select same position as in the RFA maker
- 6. Write key, after completion new D-Flash for the BCM is generated

## **III. Emergency start (BCM)**

The following procedure allows programming an emergency start key on HITAG PRO transponder PCF7939P, adding it only in the BCM is enough.

#### Procedure

- 1. Open the BCM maker and load BCM dump file [MC9S12XEP768: D-Flash]
- 2. Select same position
- 3. Write key, after completion new D-Flash for the BCM is generated

	Transponder Type Uwry	* » <u>»</u>	<b>\$</b>
		Loaded File XEP766_D-flaab.bin	
Ader Ange Nover Sport (BCN)		Kaya:	
alige Mover Sport (HUM)		Kwy1 #F2CF832 PCF7853P O Kwy2 013AF832 PCF7853P	
en -		Orey1	
Original transponder:		C Kay 4	
llowed transponders: Hitag PHO		C Key S	
ats location		C Key S	
9512XEP760 (D-Flank) ata size. 32kB		- Key 7 - Key 8	
		Fays Fays	
		C.Key 18	

## **IV. FAQ and Remarks**

Q: How to read MC9S12XEP256 & MC9S12XEP768?

**A:** The MCUs in both RFA and BCM are not secured and can be read with any general purpose programmer that supports them, following the connection requirements for the particular device.

Q: Are 2016+ RFA models supported?

A: No

- Q: Can I program only RFA ?
- A: Yes, in such case key's keyless go will be fully functional, but emergency start won't work.