

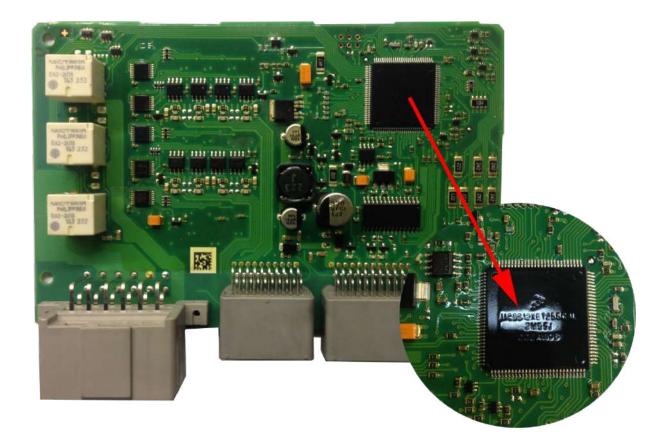
Range Rover (L320) Hitag Pro (KeyLessGo) 2010 - ...

I. Overview

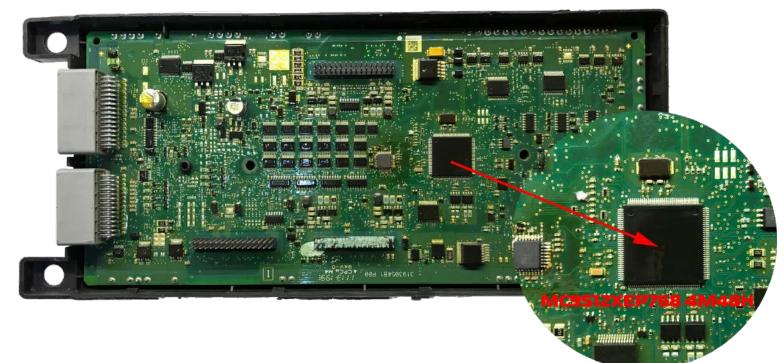
Range Rover	Jaguar
Discovery 4	XE
Evoque	XF
Sport	XJ

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	(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>	-
.		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>	\$
		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.