

SDD
SilcaDiagnosticDevice

SBB

SW- RKE LAND ROVER® L0 (SDD/SBB)

CODE: D431408XA - VERS. 2.0



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SW- RKE LAND ROVER® L0 (SDD/SBB)

1 FUNCTIONS MENU RKE LAND ROVER®



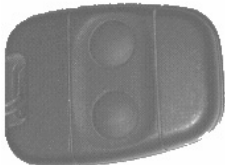
1.1 IMMOBILIZER LAND ROVER® (ROUTINE 13)



Model	Year from	Year to	RKE	RKE N°	Cable	Pos. Conn.
DEFENDER	1998	2000	ORIGINAL	4	00	C3
DISCOVERY	1996	2000	ORIGINAL	4	00	C3
LVX	2000	2000	ORIGINAL	4	00	C3

The functions on these vehicles are:

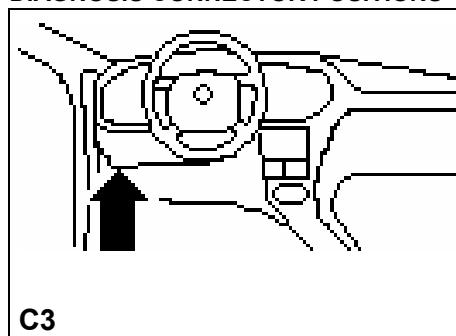
- Addition of new remote controls;
- Deletion of remote controls;
- Reading of EKA code.

To use these functions the following are required:

	 SWITCH ADAPTER
 OBD II CABLE [00]	 PIN CODE
 ALL RKE	

SBB	CABLE/ADAPTER
	 CABLE OBD II [00] (STANDARD)

DIAGNOSIS CONNECTOR POSITIONS

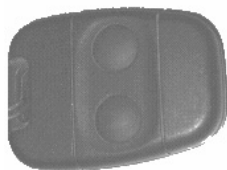


GENERAL INFORMATION

In order to enable or disable the motor immobilizer these systems use remote controls and transponder keys. When the vehicle is locked by remote control the immobilizer is automatically activated, vice versa to deactivate the motor immobilizer, open the vehicle using a remote control and insert a coded transponder key into the ignition block.

If the vehicle is locked using a mechanical key only, the motor immobilizer is not active, but activates automatically after 30 seconds.

REMOTE CONTROL INFORMATION



All vehicles provided with the remote control illustrated above use the immobilizer system described and can be programmed by SDD. This remote control is a radio transmitter with two buttons, one to activate the motor immobilizer and lock the vehicle and one to deactivate the motor immobilizer and unlock the vehicle. The radio code is modified on the remote control and immobilizer central unit every time the remote control is used. If for any reason (flat battery, replacement of battery, etc.) the sequence becomes unsynchronised (the remote control code is not the same as that on the central unit) it must be re-synchronised in the following way:

- Unlock the driver's door with a key;
- Check that all the doors, including the boot and bonnet, are closed;
- Press the "Lock" button on the remote control quickly 4 times.

EKA CODE INFORMATION

The emergency start code is used in the event of a missing, broken or faulty remote control to cut out the motor immobilizer manually.

In this case the immobilizer is disabled for one start only, at the end of which the operation must be repeated.

The EKA code is made up of 4 digits and is different for each vehicle. It is issued by the dealer and appears on the safety plate, or it can be read by SDD using the special "EKA CODE" function.

To disable the motor immobilizer proceed as follows:



- 1) Use a key and turn it anti-clockwise in the driver's door lock to the "LOCK" position; hold in this position for at least 6 minutes. Turn the key back to the central position.

Now it will be possible to use the key to enter the numerical value of the four digits in the EKA code, as shown below:



2) Enter the **FIRST** digit in the code.
If the first digit is 5, turn the key five times to take it to the "UNLOCK" position. Make sure the key returns to the exact central position after each turn.



3) Enter the **SECOND** digit in the code.
If the second digit is 2, turn the key twice to take it to the "LOCK" position. Make sure the key returns to the exact central position after each turn.



4) Enter the **THIRD** digit in the code.
If the third digit is 6, turn the key six times to take it to the "UNLOCK" position. Make sure the key returns to the exact central position after each turn.



5) Enter the **FOURTH** digit in the code.
If the fourth digit is 1, turn the key once to take it to the "LOCK" position. Make sure the key returns to the exact central position.



6) Finally, take the key to the "UNLOCK" position: in this way the motor immobilizer is disabled for one start.

If the code is entered wrongly three consecutive times, wait 30 minutes before repeating the procedure.

IMMOBILIZER FUNCTIONS MENU

From the main menu select: REMOTE CONTROLS ⇒ LAND ROVER ⇒ MODEL

Insert a key
and turn on
the control panel

(ESC) ➤

Insert a key into the ignition block and turn to the ON position.

- Press **ENTER** to continue;
- Press **ESC** to return to the previous menu.

The display will show:

```
- ROVER -  
> PROGRAMME RKE  
EKA CODE  
  
↑↓ (ESC) ➤
```

- Select and press **ENTER**.

PROGRAMME RKE

This function is used to programme / delete remote controls. Every time programming is carried out all the old and new remote controls to be used on the vehicle must be reprogrammed. Remote controls that are not programmed during this operation will not work.

- To activate the function, select "PROGRAMME RKE" e press ENTER.

MAXIMUM 4 RKE
CAN BE PROGRAMMED

Press any key...

No more than 4 simultaneously operating remote controls can be programmed.

- Press any key to continue.

Press UNLOCK
8 consecutive times
until horn sounds or
lights go on.
Repeat for the other
remote controls.

Press any key...

- Press the LOCK key on the remote control 8 consecutive times;
- The horn will sound to indicate that the remote control has been memorized;
- Repeat for all remote controls to be programmed;
- Press any key to finish programming.

EKA CODE

This function is used to read the EKA CODE

- To activate the function, select "EKA CODE" and press ENTER.

UNLOCK	N1
LOCK	N2
UNLOCK	N3
LOCK	N4

Premi un tasto...

N1 First digit in EKA CODE
N2 Second digit in EKA CODE
N3 Third digit in EKA CODE
N4 Fourth digit in EKA CODE

- Press any key to return to the previous menu.

1.2




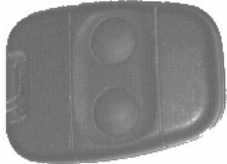
IMMOBILIZER LAND ROVER® (ROUTINE 12)



Model	Year from	Year to	RKE	RKE N°	Cable	Pos. Conn.
FREELANDER	1998	2003	ORIGINAL	4	00	C21
FREELANDER	2003		ORIGINAL	4	00	C21

The functions on these vehicles are:

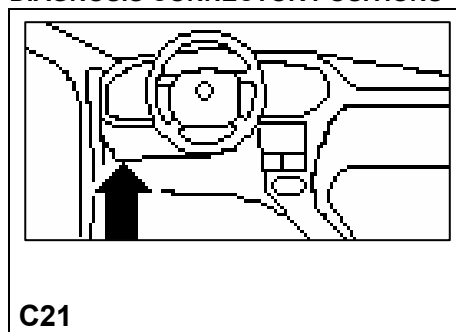
- Addition of new remote controls;
- Deletion of remote controls.

To use these functions the following are required:

	 <p style="text-align: center;">SWITCH ADAPTER</p>
 <p style="text-align: center;">OBD II CABLE [00]</p>	<p style="text-align: center;">PIN CODE</p>
 <p style="text-align: center;">ALL RKE</p>	

SBB	CABLE/ADAPTER
	 <p style="text-align: center;">CABLE OBD II [00] (STANDARD)</p>

DIAGNOSIS CONNECTOR POSITIONS



GENERAL INFORMATION

In order to enable or disable the motor immobilizer these systems use remote controls and transponder keys. When the vehicle is locked by remote control the immobilizer is automatically activated, vice versa to deactivate the motor immobilizer, open the vehicle using a remote control and insert a coded transponder key into the ignition block.

If the vehicle is locked using a mechanical key only, the motor immobilizer is not active, but activates automatically after 30 seconds.

REMOTE CONTROL INFORMATION



All vehicles provided with the remote control illustrated above use the immobilizer system described and can be programmed by SDD. This remote control is a radio transmitter with two buttons, one to activate and one to deactivate the motor immobilizer. The radio code is modified on the remote control and immobilizer central unit every time the remote control is used. If for any reason (flat battery, replacement of battery, etc.) the sequence becomes unsynchronised (the remote control code is not the same as that on the central unit) it must be re-synchronised in the following way:

- Insert an operational key into the ignition block and turn to the ON position; the remote control is automatically re- synchronised;
- As an alternative to the above-mentioned procedure, do not insert a key into the ignition block and quickly press both the buttons on the remote control simultaneously five times.

EKA CODE INFORMATION

The emergency start code is used in the event of a missing, broken or faulty remote control to cut out the motor immobilizer manually.

In this case the immobilizer is disabled for one start only, at the end of which the operation must be repeated.

The EKA code is made up of 4 digits and is different for each vehicle (each digit is a number from 1 to 15). It is issued by the dealer and appears on the safety plate.

To disable the motor immobilizer proceed as follows:



- 1) Usando una chiave girarla in senso antiorario nella serratura della portiera lato guida sulla posizione di CHIUSURA "LOCK" e tenerla in questa posizione per almeno 6 minuti. Portare poi la chiave nella posizione centrale.

Now it will be possible to use the key to enter the numerical value of the four digits in the EKA code, as shown below:



2) Enter the **FIRST** digit in the code.
If the first digit is 15, turn the key 15 times to take it to the "UNLOCK" position. Make sure the key returns to the exact central position after each turn.



3) Enter the **SECOND** digit in the code.
If the second digit is 2, turn the key twice to take it to the "LOCK" position. Make sure the key returns to the exact central position after each turn.



4) Enter the **THIRD** digit in the code.
If the third digit is 10, turn the key 10 times to take it to the "UNLOCK" position. Make sure the key returns to the exact central position after each turn.



5) Enter the **FOURTH** digit in the code.
If the fourth digit is 1, turn the key once to take it to the "LOCK" position. Make sure the key returns to the exact central position.



6) Finally, take the key to the "UNLOCK" position: in this way the motor immobilizer is disabled for one start.

If the code is entered wrongly three consecutive times, wait 30 minutes before repeating the procedure.

IMMOBILIZER FUNCTIONS MENU

From the main menu select: REMOTE CONTROLS ⇒ LAND ROVER ⇒ MODEL

Insert a key
and turn on
the control panel

(ESC) ➤

Insert a key into the ignition block and turn to the ON position.

- Press **ENTER** to continue;
- Press **ESC** to return to the previous menu.

The display will show:

```
- ROVER -  
> PROGRAMME RKE  
  
↑↓ (ESC) ➤
```

- Select and press **ENTER**.

PROGRAMME RKE

This function is used to programme / delete remote controls. Every time programming is carried out all the old and new remote controls to be used on the vehicle must be reprogrammed. Remote controls that are not programmed during this operation will not work.

- To activate the function, select "PROGRAMME RKE" e press ENTER.

MAXIMUM 4 RKE
CAN BE PROGRAMMED

Press any key...

No more than 4 simultaneously operating remote controls can be programmed.

- Press any key to continue.

Press UNLOCK
8 consecutive times
until horn sounds or
lights go on.
Repeat for the other
remote controls.

Press any key...

- Press the LOCK key on the remote control 8 consecutive times;
- The horn will sound to indicate that the remote control has been memorized;
- Repeat for all remote controls to be programmed;
- Press any key to finish programming.



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