

Resynchronisation

On vehicles up to 97MY, resynchronisation is achieved by locking or unlocking the driver's door using the vehicle key with 30 seconds of locking, superlocking or unlocking using the remote handset. The BeCM monitors the condition of the driver's door CDL switch to initiate the resynchronisation.

On vehicles from 97MY, friendly resynchronisation was introduced on vehicles with passive immobilisation. A remote handset that is not synchronised to the BeCM will automatically be resynchronised when the key is inserted in the ignition without using the vehicle key or Emergency Key Access (EKA) procedure.

The resynchronisation uses a pick-up coil in the remote handset and a passive coil located around the ignition barrel. The passive coil provides a signal for the remote handset to transmit an unlock signal to remobilise the vehicle.

Emergency Key Access (EKA)

If the vehicle is locked using the remote handset and loss or failure of the handset occurs, the vehicle can be unlocked and the alarm disarmed by entering a four digit code using the key in the driver's door lock. The code is either a unique code for the vehicle and can be found on the security information card or a default value obtainable from the factory.

EKA procedure - Vehicles up to 96MY

1. Unlock driver's door with the key.
2. Open the door and the alarm sounder will sound twice. If the key is inserted in the ignition at this point and an attempt is made to start the engine, the engine will not crank and the message centre will display 'ENGINE DISABLED PRESS REMOTE OR USE KEY CODE'.
3. Close the driver's door and ensure that all doors, tail door and bonnet are closed.
4. Turn the key to the lock position.



NOTE: The code cannot be entered if the message centre displays 'KEY CODE LOCKOUT'.

5. Enter the code as follows. At each turn of the key to the lock or unlock position, the side lamps warning lamp in the instrument pack will flash to indicate that the key turn has been recognised.
6. Enter the first digit. If the first digit is 2, turn and release the key two times in the unlock direction.
7. Enter the second digit. If the second digit is five, turn and release the key five times in the lock direction.
8. Enter the third digit. If the third digit is four, turn and release the key four times in the unlock direction.
9. Enter the fourth digit. If the fourth digit is two, turn and release the key two times in the lock direction.
10. Turn the key to the unlock direction and, provided that the code has been entered correctly, all the doors and the tail door will be unlocked and the alarm will be partially disarmed.

When the EKA code has been entered, the security LED will continue to flash in deterrent mode to show that the alarm is partially disarmed and will be triggered if the bonnet is opened.

If the EKA code is entered incorrectly, on the final unlock turn of the key, a mislock will sound and the remaining doors and the tail door will remain locked and the alarm partially armed. If five incorrect attempts are made to enter the code, the BeCM enters a ten minute 'lockout' period. Further attempts to enter the code will cause a mislock to sound each time the key is turned. During the lockout period, the message centre displays 'KEY CODE LOCKOUT'.

If either of the front doors are opened while entering the code, a mislock will sound and the door will need to be closed and key locked and the code re-entered from the beginning. This will not count as an incorrect entry.

With the vehicle in EKA mode, if the remote handset unlock button is pressed all doors will be unlocked and the alarm disarmed. The lock button will not operate while entering the EKA code.



EKA procedure - Vehicles from 96MY

If the vehicle is locked using the remote handset and loss or failure of the handset occurs, the vehicle can be unlocked and the alarm disarmed by entering a four digit code using the key in the driver's door lock as described in the EKA procedure for vehicles up to 96MY with the following exceptions:

1. If the vehicle had not been locked with the remote handset, then in step 4, the key must be turned four times to the lock position.
2. The number of incorrect attempts is reduced to three and the lockout period increased to thirty minutes.

Lazy Seats

The lazy seat function is only available on vehicles with memory seats. Holding the unlock button on the remote handset for longer than 1.5 seconds will cause automatic movement of the driver's seat, door mirrors and instrument panel illumination to a predetermined position. The lazy seat operation is as programmed in one of the two memory seat configurations corresponding to the initiating remote handset.

The vehicle must be in a superlocked condition with volumetric sensors active and the alarm armed. Once the lazy seat function is operating the remote handset unlock button can be released. Opening any door or locking the vehicle will stop the seats and mirrors moving.

Security LED

The security LED operates in two modes; confirmation of lock status and theft deterrent.

In the confirmation mode, the LED will flash rapidly for ten seconds to show that the lock request is successful. After the ten second period the LED will flash at the slower deterrent mode rate. If a panel is left open or the vehicle has been slam locked, the LED will remain unlit.

If a lock request is made and one or more panels remain open, when the panels are closed, the LED will flash rapidly for ten seconds to confirm lock status and will then change to a slower flash in deterrent mode.

Alarm Audible and Visual Warnings

Audible warnings

Audible warnings can be generated from a klaxon, battery backed up sounder (BBUS - from 96MY) or the vehicle horns. Some markets do not have any audible alarm warnings. If a klaxon or BBUS is used the output will be pulsed and synchronised with the visual warning. If the vehicle horns are used the output will be continuous.

Mislock warnings are always generated from either the klaxon or the BBUS.

Visual warnings

External visual warnings are dependant on the selected market, but are generated from either the hazard warning indicators, side and tail lamps or head and tail lamps.

If the hazard warning lamps are operating when a visual warning using the hazard warning lamps is required, the visual warning will be cancelled. If the side or headlamps are on when a visual warning using the side or headlamps is required, the lamps will flash off instead of on.

Battery Backed-Up Sounder (BBUS) - certain vehicles from 96MY

The BBUS was introduced into some markets from 96MY onwards and since the drive requirements are different from the klaxon, the BBUS is market programmable.

The BBUS has its own internal power supply. If the vehicle battery or the BBUS is disconnected, the BBUS will be triggered and will sound for approximately 4.5 minutes.

To disconnect the BBUS, the ignition should be turned on and then off. The BBUS connector must be disconnected within 17 seconds of the ignition being turned off or the BBUS will be triggered. When the BBUS is sounding it can be cancelled by unlocking the vehicle with the key or the remote handset only if it is connected to the vehicle harness.