SYNC-MATE

USER GUIDE

BLACKBOX SOLUTIONS

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BeCM Sync-Mate
User Guide

Congratulations on purchasing your new BeCM Sync-Mate. We hope you never have the need to use it again, but we also know that you may well have to use it probably at the most inopportune moment, so keep this device in a safe place in the vehicle.

To operate your BeCM Sync-Mate, switch Ignition to stage II, then simply plug the unit into the OBD connecter, which you will find in the passenger foot well underneath the dashboard, next to the gearbox tunnel. For further help please refer to our demonstration video of the unit being used on an EDC P38:

http://blackbox-solutions.com/support/category/instructional-videos

The picture shows a
right hand drive P38

As soon as the BeCM Sync-Mate is plugged in correctly, the LED will illuminate with a solid **BLUE** light. This means the unit is working and is attempting to communicate with the BeCM and the relevant Engine Management System. When it has done this, you will see a sequence of solid or flashing **Green** (EDC or MOTRONIC only), alternating **Green**/**Blue** (Gems Only) or Flashing **Red** lights from the LED.

Below and over are two tables that can be used to interpret them

For EDC or MOTRONIC Only

Flashing **GREEN** Light	BeCM is now synchronised to the EDC or MOTRONIC ECU, remove Sync-Mate
Solid **GREEN** Light	BeCM is already synchronized to the EDC or MOTRONIC ECU, remove Sync-Mate
Flashing **RED** Light	Communication Error (see over.)

For GEMS Only

Flashing **GREEN**/**BLUE**	This indicates that GEMS ECU has now successfully been put into Learn mode and the Sync Mates job is now completed, other than the last human step of cycling the ignition. Remove Sync-Mate, then turn the ignition switch OFF for a few seconds and back ON again so the GEMS may read the incoming mobilization code from the BECM and automatically self learn it. There is no confirmation of successful learn stage, as it is a fully automated procedure for the GEMS.
Flashing **RED** Light	Communication Error (see below.)

Communication Error

If you observe the BeCM Sync-Mate flashing **RED** you will see it flashes between 1 and 11 times. A list of the specific meaning of each number is produced below. If after several tries you continue to see a flashing **RED** sequence, you have a fault with your BeCM or EMS system which will need to be found and rectified before you can go any further.

1. Engine Management did not respond to wakeup
2. MOTRONIC read failure
3. EDC read failure
4. BECM did not respond to wakeup
5. BECM communication failure
6. BECM/car is alarmed (turn off the alarm)
7. BECM write failure
8. GEMS second wakeup failure
9. GEMS start diagnostic failure
10. GEMS security failure
11. GEMS did not enter security learn mode