

## GEM WAKEUP ON 2001-UP FORD LINCOLN MERCURY



### NOTE:

For some 2001-up Ford, Lincoln, Mercury (including Mazda Trucks and SUVs) models with factory keyless entry, the GEM (General Electronic Module) shuts down a few minutes after the doors have been locked to conserve battery power. The indication that the GEM is shutting down will be that the doors will not unlock when the unlocking the doors after the vehicle has been sitting for a few minutes. The GEM must be awakened in order for the locks to function properly. The GEM will only awaken if the factory remote is used or a door is opened.

### TO TEST THE GEM IF THE FACTORY REMOTE IS AVAILABLE:

- 1 With the driver's window rolled down, close all the doors.
- 2 Lock the doors using the remote control.
- 3 Wait at least 2 minutes, then reach in through the driver's window and push the unlock switch in the door. If the doors fail to unlock, then proceed to wire the remote start to wake up the GEM.

### TO TEST THE GEM IF THE REMOTE CONTROL IS NOT AVAILABLE:

- 1 Roll down the driver's window and close all doors except for the driver's door.
- 2 With the driver's door open, manually lock the door by pressing the driver's door lock switch.
- 3 Close the driver's door.
- 4 Wait at least 2 minutes, then reach in through the driver's window and press the unlock switch in the door. If the doors fail to unlock proceed to wire the remote start to wake up the GEM.

### TO WAKE UP THE GEM FOR A SYSTEM WITHOUT A FACTORY ALARM

- 1 Wire the door unlock using wires A and B as shown below. Diode isolate the wires.
- 2 Program the door unlock output to the double pulse setting.
- 3 Unlock the system using the alarm system remote. The first pulse to the door ajar and door unlock wire awakens the GEM; the second pulse unlocks the doors.

### TO WAKE UP THE GEM FOR A SYSTEM WITH A FACTORY ALARM

- 1 Wire the door unlock using wires A and C as shown below. Diode isolate the wires.
- 2 Program the door unlock output to the double pulse setting.
- 3 Unlock the system using the alarm system remote. The first pulse to the factory alarm disarm wire awakens the GEM; the second pulse unlocks the doors.