

## Subject: Remote Keyless Entry (RKE) Transmitter Programming



### DESCRIPTION

The International Keyless Entry System uses electronic door pods in the driver and passenger side doors which also operate the power door locks and the power windows. If equipped with RKE, the memory in the receiver (front passenger door pod) learns the transmitter codes from the key fobs (transmitters) and only recognizes those which it has learned in the programming process. Each vehicle's passenger side door pod has the ability to learn up to six transmitter codes allowing the vehicle to be accessed by six different key fobs. Each key fob has a unique code that can be learned by any number of RKE equipped vehicles.

### PARTS INFORMATION

Replacement Key Fobs/Transmitters can be obtained from Service Parts by ordering part number 3544938C2.

### SERVICE PROCEDURE

#### Transmitter Learning And Erasing

Before the transmitter can be used for the first time, it has to be "learned" by the receiver. Up to 6 transmitters with different identification codes can be learned by a single RKE Pod.

These procedures are designed for manual learning/erasing operations on a complete vehicle. They can be used for learning replacement transmitters, for using up to six transmitters for accessing the same vehicle, Copyright© International Truck and Engine Corporation, or for accessing any number of vehicles using the same transmitter. If RKE is being added to the vehicle, additional programming of the Electrical System Controller is required to operate the horn, panic, and dome light functions with RKE.

#### Procedure For Erasing All Learned Transmitters (KEY FOBS)

1. Cycle the Ignition from Off to On. Step 2 must be initiated (all four buttons pressed) within 10 seconds of this Ignition event.

2. On the **Driver** Door Pod do the following:

While holding down the Driver Window-Up, Driver Window-Down, and Unlock Switches depress and hold the Lock switch. All four switches must be held for at least 5 seconds. 6 or 7 seconds is recommended.

After the 5 seconds the Door Pod RKE unit will erase all learned transmitters and the RKE will be disabled. At this point the erase procedure is finished and a new Ignition cycle must be initiated to perform any transmitter learning.

#### Procedure For Learning A Transmitter (KEY FOB)

**NOTE – This learning procedure cannot be performed during the same Ignition cycle as the "erase all learned transmitters" procedure. If necessary, the erase procedure should be completed before this procedure is started.**

1. Cycle the Ignition from Off to On (leaving the Ignition on will not work, it must be cycled). Step 2. must be initiated (all four buttons pressed) within 10 seconds of this Ignition event.

2. On the **Passenger** Door Pod do the following:

While holding down the Window-Up, Window-Down, and Unlock switches, depress and hold the Lock switch. All four switches must be held for at least 5 seconds. 6 or 7 seconds is recommended.

3. After the 5 seconds the Door Pod RKE unit will enter "Learn Mode" and stay there for 10 seconds (or until a transmitter is learned). Once the RKE enters the "Learn Mode", the four buttons can be released. During the ten second "Learn Mode" any function on the new fob/transmitter must be keyed at least twice (See Note 1).

Note 1. After the transmitter is learned the next keying of the new transmitter will perform the indicated function. It is recommended that the transmitter be successively keyed until the selected key's function is actually performed; i.e., pressing the Lock Button on the transmitter two times should learn its code, on the third push it should lock the door and momentarily beep the city horn. This is a good way to quickly confirm the success of the learning.

Note 2. Steps 1. through 5. of the learning process must be repeated for each transmitter to be learned.