

MODEL 230 up to 31.12.02 with CODE (889) Keyless go**General information**

The EIS control module (N73) can manage 8 key tracks. Each of these tracks consists of 3 key track segments. All keys used are on segment 1 of the relevant key track. Replacement keys are possible in segments 2 and 3, depending on the key track. It is therefore possible to replace each key twice. If a new segment is used, the preceding segment is rendered unusable.

The function of the EIS control module (N73) is the same in the case of remote control key (A8/1) and keyless go transmitter card (A8/2). This means that a transmitter card can also be programmed on a key track, in place of a remote control key.

The key tracks to which these cards are assigned, can be stored by means of a programming process in the keyless go control module (N69/5).

The keyless go control module (N69/5) though, can only manage two cards. Data between the transmitter card and the EIS control module (N73) are transferred through the keyless go control module (N69/5). Access authorization and drive enable are evaluated by the EIS control module (N73), in the same way as for operation with the remote control key.

Programming of the keyless go transmitter card (A8/2) is comparable to the programming of the remote control key.

Assignment of remote control key (A8/1)

The remote control key is inserted into the EIS control module (N73). A rotate enable is given after approx. 30 min. Circuit 15 must now be switched on. After further 90 min., the vehicle is again operational and the selector lever can be moved out of position "P". Assignment has been successfully completed.

Assignment of transmitter card - keyless go control module (N69/5)

If the keyless go control module (N69/5) is replaced, the cards must be reassigned to the keyless go control module (N69/5) and to the key tracks by the EIS control module (N73) by means of a learning process. This learning process is described below.

Procedure after replacing keyless go control module (N69/5)

Function prerequisites

- Ignition OFF
- There must not be any key in the EIS control module (N73)
- Both transmitter cards must be in the vehicle

Press keyless go start/stop button (S2/3) and hold for 3 s until the message "Visit workshop" appears in the instrument cluster (A1).

The keyless go control module (N69/5) now activates the inductive antennas in order to recognize the transmitter card in the vehicle. If the transmitter card is detected, the keyless go control module (N69/5) causes the EIS control module (N73) to switch on circuit 15 via the CAN data bus.

Now move selector lever from position "P" to position "R" and back again. The keyless go control module (N69/5) now causes the EIS control module (N73) to switch off the ignition via the CAN data bus. The keyless go control module (N69/5) thereupon looks for the second transmitter card. If this card is found, the procedure described above is repeated.

If the second assignment of the transmitter card was also successful, the procedure is ended with the following message in the instrument cluster (A1): "Card recognized in vehicle".

If the cards are to be re-assigned, the key tracks in the keyless go control module (N69/5) must first of all be erased with the help of the STAR DIAGNOSIS.

When using replacement card

Case 1: Program card to previous key track

Requirements:

- Ignition OFF
- No key in EIS control module (N73)
- Only replacement card must be in vehicle.

Press keyless go start/stop button (S2/3) once. After approx. 30 min, circuit 15R switches on. Then c. 15 is switched on when keyless go start/stop button (S2/3) is pressed again. After a further 90 min, the vehicle is again operational and the selector lever can again be moved out of position "P". The transmitter card is then recognized and the assignment is successfully completed.

Case 2: Replacement card on new key track (additional card)

Requirements:

- Ignition OFF
- No key in EIS control module (N73)
- Both transmitter cards (existing transmitter card and additional card) must be in the vehicle

The assignment of the cards stored in the keyless go control module (N69/5) and, related to this, the assigned key tracks in the EIS control module (N73), must first of all be erased with the help of the STAR DIAGNOSIS.

Press keyless go stop/start button (S2/3) and hold it down for 3 s until the message "Visit workshop" appears in the instrument cluster (A1). The keyless go control module (N69/5) now activates the inductive antennas in order to recognize the transmitter card in the vehicle. If the transmitter card is detected, the keyless go control module (N69/5) causes the EIS control module (N73) to switch on circuit 15 via the CAN data bus.

Now move selector lever from position "P" to position "R" and back again. The keyless go control module (N69/5) now causes the EIS control module (N73) to switch off the ignition via the CAN data bus. The keyless go control module (N69/5) thereupon looks for the second transmitter card.

If this card is found, the procedure described above is repeated. If the second assignment of the transmitter card was also successful, the procedure is ended with the following message in the instrument cluster (A1) : "Card recognized in vehicle".

If the cards are to be re-assigned, the key tracks in the keyless go control module (N69/5) must first of all be erased with the help of the STAR DIAGNOSIS.

	Transmitter card, purpose/design/function		GF80.61-P-4101R
	Keyless go control module, location/purpose/design		GF80.61-P-4104R