MODEL   215, 220 up to 30.9.02
except CODE (491) U.S. version
except CODE (498) Japanese version

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 transmitter 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 transmitter 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.

Assignment of keyless go control module transmitter card (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 the 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 and stop pushbutton (S2/3) and hold for 3 seconds until the following message appears in the instrument cluster (A1): "Visit workshop".
The keyless go control module (N69/5) now activates the inductive antennas in order to recognize the transmitter card in the vehicle.

-If a replacement card is used

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 and stop button (S2/3) once. After approx. 30 min, circuit 15R switches on. After this, circuit 15 is switched on by pressing the keyless go start and stop pushbutton (S2/3) 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 recognized and the assignment is successfully completed. Case 2: Replacement card on new key track (additional card)

Requirements:
● Ignition OFF

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 transmitter key.

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

Assignment of transmitter key (A8/1)
The transmitter key is inserted into the EIS control module (N73) . A turn authorization is given after approx. 30 min. Circuit 15 must now be switched on. After a further 90 min., the vehicle is again operational and the selector lever can be moved out of position "P". Assignment has been successfully completed.

If the transmitter card is recognized, the keyless go control module (N69/5) causes the EIS control module (N73) to switch on circuit 15 via passenger compartment CAN bus.It is then necessary to move the selection lever back from position "P "to position "R". The keyless go control module (N69/5) now causes the EIS control module (N73) to switch off the ignition via passenger compartment CAN 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 text 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 tool.

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

ℹ 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 tool.

Press keyless go start and stop pushbutton (S2/3) and hold for 3 seconds until the following message appears in the instrument cluster (A1): "Visit workshop".
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 recognized, the keyless go control module (N69/5) causes the EIS control module (N73) to switch on circuit 15 via passenger compartment CAN bus.
It is then necessary to move the selection lever back from position "P "to position "R".

The keyless go control module (N69/5) now causes the EIS control module (N73) to switch off the ignition via passenger compartment CAN bus. The keyless go control module (N69/5) there upon 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 tool.

ⓘ A prediction of which transmitter card is learned first, depends on different basic conditions, and is not possible to make. The waiting time stated relates only to the learning process of the replacement card.

| | Transmitter card, task/design/function | | GF80.61-P-4101S |
| | Keyless go control module, location/task/ design/function | | GF80.61-P-4102S |