

TRANSPORTER, TYPE II SHIFTER
I N S T A L L A T I O N I N S T R U C T I O N S

- 1) To get at the mounting bolts on the stock shifter first of all remove the rubber floor mat. Now slide the shifter boot up the stick exposing the two mounting bolts. Make absolutely sure the vehicle is in neutral then remove the two bolts and lift the shifter away from the floor.
- 2) The rim of the socket into which the ball end of the shifter fits will be either 1/4" or 3/4" below the floor level. Measure this distance as shown in Fig 1. If the distance between the floor and the socket is 1/4 "use the 3/4 "spacer, if it is 3/4 "use the 3/8 "spacer..
- 3) If it is found that the 3/8" spacer must be used and you have an OE type floor mat it will be necessary to cut away about 1 1/2" of the waffling on the bottom of the mat from around the shifter hole. This will allow the black plastic housing to fit correctly over the shifter.
- 4) Put a small amount of grease on the shifter socket, place the pre-selected spacer on the floor, guide the ball of the stick carefully into the socket and attach the whole mechanism with the bolts and washers provided. Be sure to place the bolts so they are in the center of the elongated slots on the shifter base, as some later adjustment may be necessary.

TESTING FORWARD GEARS

- 5) Testing of the shifter should be done on level ground with no other traffic around.
- 6) Engage each gear with the engine running and apply normal power as the clutch is gently released.
- 7) If it is apparent that 1st and 3rd and 2nd and 4th gears are not accepting a full travel of the stick and are not engaging in a positive manner, adjust the fore and aft position of the shifter by loosening the bolts and moving it in the necessary direction.

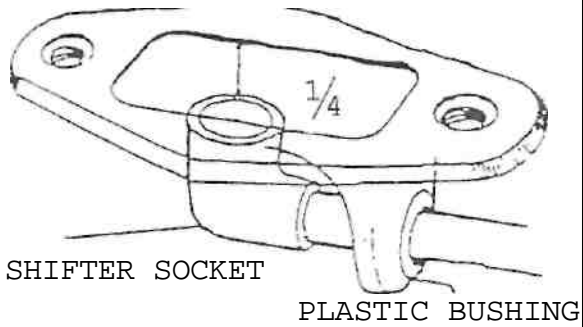
TESTING REVERSE GEAR

- 8) Pull the reverse lock out trigger up and select reverse. Gently release the clutch and establish you have the correct gear. Holding the trigger up shift to 1st and 2nd checking each gear.
- 9) Now try to locate 3rd and 4th with the trigger still up. You should not be able to do so.
- 10) Now release the trigger and try to engage reverse. Once again you should not be able to do so. If all gears are now working correctly complete installation as explained below.
- 11) If by any chance you have been able to select reverse with the trigger down or 3rd and 4th with the trigger up proceed as follows.
- 12) Loosen the mounting bolts slightly and move the shifter as far to the right as possible. Tighten the bolts down and repeat the testing procedure.
- 13) if this movement of the shifter failed to correct the problem, the* forward support bushing on the torque tube is excessively worn and must be replaced.
- 14) The bushing (VW Part Number 111-701-259A) is located inside the floor tunnel under the shifter. Once the torque tube is removed it is accessible and can be replaced through the shifter opening.
- 15) Having replaced the bushing re-test as above. Once everything is correct replace the rubber floor mat. Separate the black plastic housing from the small rubber boot leaving the boot up the stick, then slide the housing down until it is in contact with the floor mat. Now bring the boot down the stick and squeeze it into its correct location in the plastic housing.

FIGURE 1

SPACER SELECTION

WITH SOCKET 1/4" BELOW
FLOOR - USE 3/4" SPACER



WITH SOCKET 3/4" BELOW
FLOOR - USE 3/8" SPACER

