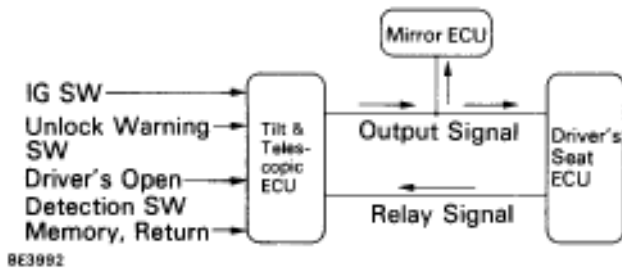


Serial Communication Circuit

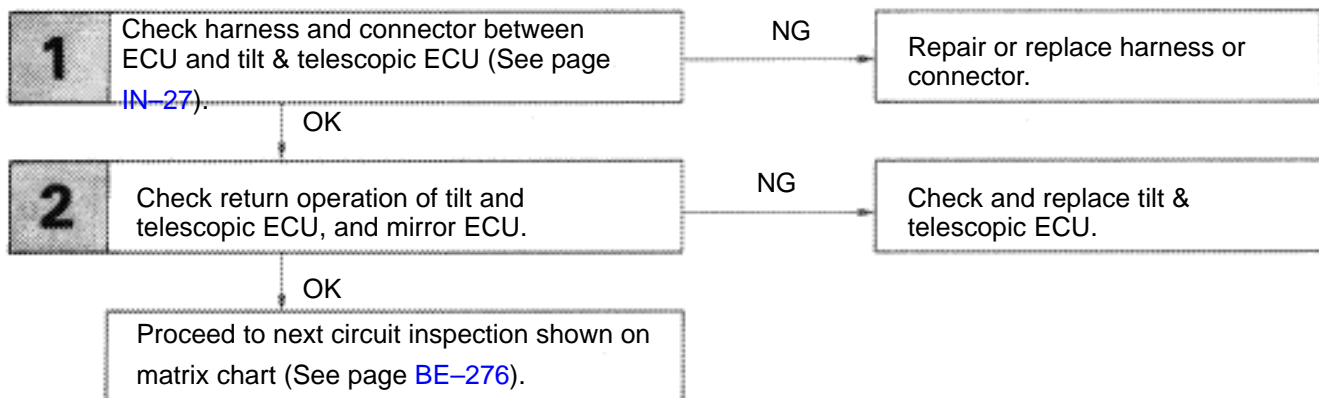
CIRCUIT DESCRIPTION



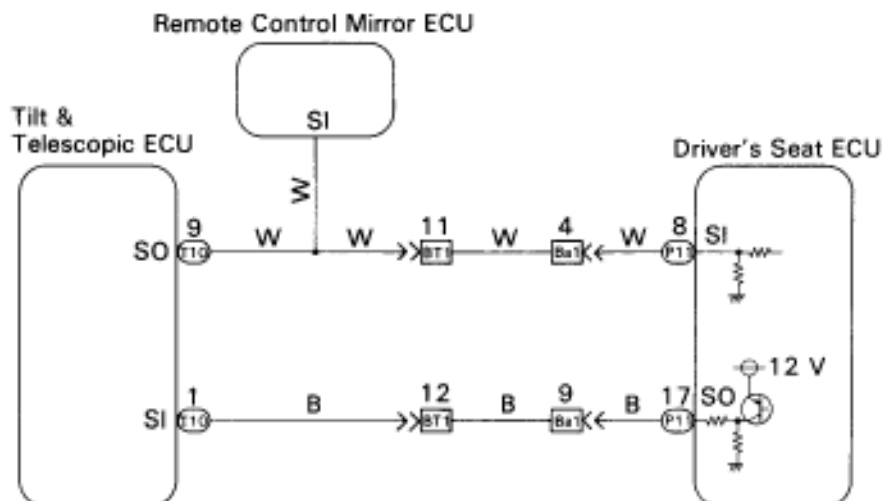
Memory and return command signals and mutual communication during return operation pass between the ECU and the tilt & telescopic ECU in the form of serial data communication. Signals activating memory and return operation are sent from the tilt & telescopic ECU to the ECU and mirror ECU. When the ECU receives a memory signals, its position is memorized, and when a return signal is received, the position is returned to the memorized position.

During return operation, tilt & telescopic ECU and ECU continue mutual communication constantly, and if a malfunction should occur in the communication wire, the tilt & telescopic ECU stops signal output to the ECU and stops return operation. However, the tilt & telescopic ECU continues return operation. Even with power return stopped, manual switch operation of the power seat is possible. The mirror ECU receives activation signals only and is not involved in reciprocal communication during return operation, so even when a reply signal from the ECU to the tilt & telescopic ECU is abnormal and the power seat stops return operation, the mirror ECU continues return operation.

DIAGNOSTIC CHART



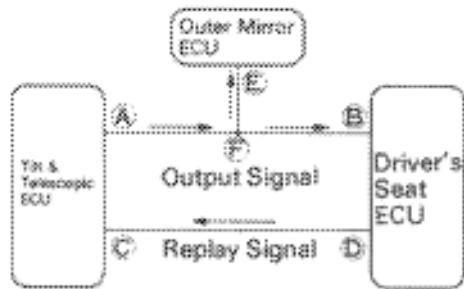
WIRING DIAGRAM



INSPECTION PROCEDURE

1

Check for open and short in harness and connector between ECU and tilt & telescopic ECU (See page [IN-27](#)).



HE3992

Hint Depending on the differences that exist for return operation or non-return operation of each system, the problems is the harness and connector shown in the table below may be considered.

○ return occurs x return not occurring

Tilt & Telescopic	Mirror	Seat	Trouble area
○	x	x	Open A ~ F Short A ~ B E ~ F
○	○	x	Open B ~ F Open or Short C ~ D

OK

NG

Repair or replace harness or connector.

2

Check return operation by tilt & telescopic ECU, and mirror ECU.

C

Check that return operation is normal for tilt, telescopic and mirror functions.

OK

NG

Check and replace tilt & Telescopic ECU.

Proceed to next circuit inspection shown on matrix chart (See page [BE-276](#)).