

Subaru immo emulator

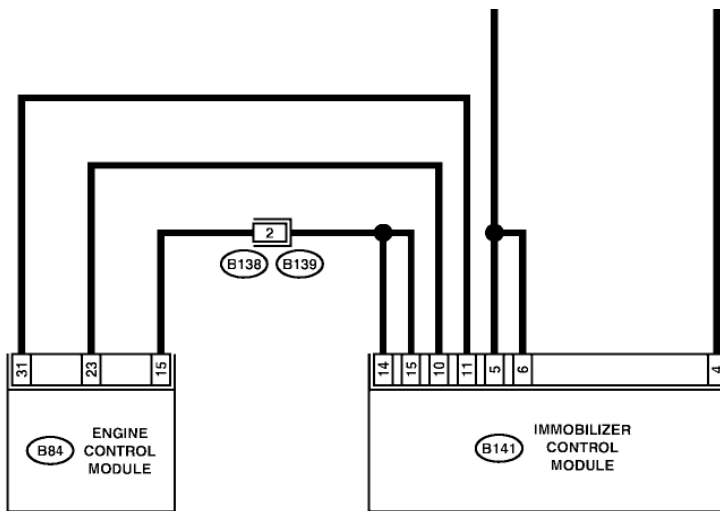
2x K-line,
DENSO immobox

Description :

Device emulates Subaru DENSO immobilizer unit used on some models starting from 1997 and up to 2001 (w/o OBD, hybrid ECU). Plug and play, no alignment necessary.

Installation on car:

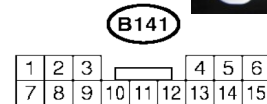
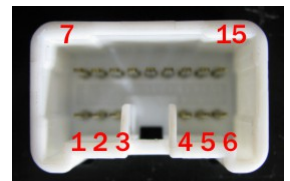
Connect power supply (terminal "15" or +12 through ECU main relay), ground connection and IMMO line. There are two ECU - IMMO lines on these cars. You can use any of them, unused one leave unconnected because ECU checks for short circuit between them.



IMMO connector (B141):

- 4 - terminal "15" (IGN)
- 14, 15 - GND (routed through ECU)
- 10, 11 - IMMO lines (use any!)

Emulator pin meanings are marked on opposite side of board.



ECU connectors E22, B84

(view to ECU)

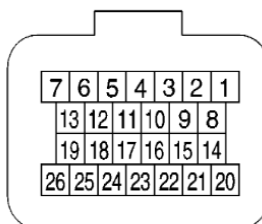
connector B84:

- 28 - terminal "15" (IGN)
- 23, 31 - IMMO lines

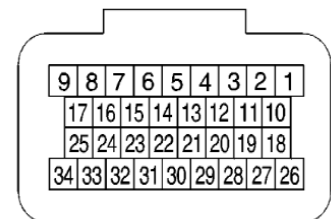
connector E22:

- 10,11,12,21 - GND

to E22



to B84



LED on emulator board:

- 1x short blink at startup,
- 8x short blinks: ECU authorization fail,
- 1x long blink: ECU authorization OK.

