

Adapting SCC-OEM-U2 Doran Sleeping Child Check Module

Adapting the SCC-OEM-U2 for retrofit replacement of SCC-OEM-U1

Check the printed circuit board, a SCC-OEM-U1 will have the silk screen label "EXM/SCC V4.11"
If the board is a U1, next examine the bus harness connector to the Sleeping Child Check (SCC) module.
If there is **NOT** a jumper wire between pin 6 and pin 14, then the U2 will replace a U1 module with no changes.

If there is a jumper wire between Pin 6 and Pin 14, then this bus was wired for a Florida State regulation using the U1. The U2 uses a printed circuit board modified for the Florida regulation, but some bus harness changes are required.

These instructions are for adapting the harness in the bus for the newer Doran module part number SCC-OEM-U2 (Blue Bird part #10026427).

The SCC-OEM-U2 has timer options that may be selected by a jumper wire inserted in the 15 pin harness connector. Doran drawing document 8047-A & B shows the connector pin definitions and describes the operation of the module. Doran document 6963-I is a typical wiring diagram showing the timer option connections.

The SCC-OEM-U2 adds an additional function now required in some states including Florida. This function uses an ACC (accessory power) input connected at connector pin 6 to maintain the "armed" status without "alarming" while the bus accessory power is on.

Wiring for the SCC-OEM-U2 is the same as for the SCC-OEM-FL except for the following:

1. This change provides separate inputs for ignition and (optional on retrofit) accessory signals
2. The jumper wire between Pin 6 and Pin 14 may be reused, relocate the wire/pin end from Pin6 to Pin 5. If a new jumper wire is required, select a wire that is suitable for crimping to the connector sockets pins (AMP/Tyco TBD) that is approximately 3 to 4 inches in length for a jumper.
3. Strip both ends and crimp the sockets on both ends of jumper wire.
4. Jumper wire will be installed in the 15-position connector of body harness from positions 14 to 5.
5. The ignition switches accessory signal wired to pin 11 of the SCC connector should be moved to position/pin 6.
6. Connect ignition signal to connector position 12. (+12vdc with engine running; zero volts with engine off or when in accessory position of ignition switch).
7. If desired, add the Red warning light signal (voltage) to pin 11 of the connector to ARM the monitor when the Red Warning lights are used.