

CAN OBDII wiring instructions for 04-06 Nissan Sentra SE-R Spec V:

The Uprev Cipher and Osiris software/cable requires the factory CAN wiring to be extended to the OBDII port under the dash of 04-06 Nissan Sentras in order for them to properly interface with the Factory ECU.

To do this, you must first locate the CAN HI and Can LO wires coming from the ECU into the passenger compartment. The easiest way to do this is to locate the CAN wires at the back of the instrument cluster, splice into them, and extend them in series to the OBDII port at the base of the steering column.

Things you will need:

Phillips and flat head screw driver
Wire cutter/stripper
(2) 4' lengths of wire in different colors
Soldering gun/solder
(2) OBDII pins from a new or junkyard sourced OBDII port

Instructions:

1. Remove the instrument cluster and disconnect the wiring harnesses connectors from the back of the cluster.
2. Locate the CAN HI and CAN LO wires on the passenger side instrument cluster harness connector (see diagram). CAN HI should be light blue, and CAN LO should be yellow. These are the wires that need to be spliced into and wired in series to the factory OBDII port.
3. Locate the OBDII port at the base of the steering column and remove all the plastic kick panels surrounding the OBDII port/connector so you have access to the wiring and pin slots at the back of the port. Referencing the OBDII pin-out (see diagram) and looking at the port, you will notice that Pin 14 (3rd pin from the left - top row) and Pin 6 (3rd pin from the left - bottom row) are not populated. These are the two locations that you will need to add new female pin connectors, and extend the CAN wires to.
4. Locate, splice into (making sure not to cut through), and solder an extension wire to the yellow CAN LO wire on the instrument cluster harness, leaving enough length to reach the OBDII port.
5. Locate, splice into (making sure not to cut through), and solder another extension wire of a different color to the light blue CAN HI wire on the instrument cluster harness, leaving enough length to reach the OBDII port.
6. The FSM stipulates that the CAN wires must be wound/twisted together to provide shielding from interference. Wind/twist the new CAN HI and LO extension wires around each other all the way the OBDII port location.
7. Take the other end of the extended Can LO wire extension, install a female pin connector (sourced from a new or junkyard OBDII port) and slide it into the back of the unpopulated Pin 14 (top row) on the OBDII port.
8. Take the other end of the extended Can HI wire extension, install a female pin connector (sourced from a new or junkyard OBDII port) and slide it into the back of the unpopulated Pin 6 (bottom row).
9. Pin 14 and 6 should now be successfully wired/populated for use with the Uprev's OBDII cable/software (see picture).
10. Reinstall the instrument cluster and OBDII port.

DIAGRAMS AND PICTURES:

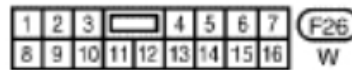


Back of dash cluster

5 - CAN L yellow wire, to pin 14 on OBD port



6 - CAN H light blue wire, to pin 6 on OBD port



OBDII port pin-out:

- Pin 2 - J1850 Bus+
- Pin 4 - Chassis Ground
- Pin 5 - Signal Ground
- Pin 6 - CAN High (J-2284)
- Pin 7 - ISO 9141-2 K Line
- Pin 10 - J1850 Bus
- Pin 14 - CAN Low (J-2284)
- Pin 15 - ISO 9141-2 L Line
- Pin 16 - Battery Power

