



NAMZ CAN/Bus Controller, Part Number: NCBC-N01

- Fits all 2011–Up Softail, 2012-Up Dyna and 2014-Up Softail, Dyna and Sportster Models **ONLY**.
- The NAMZ CAN/Bus Controller should be installed by experienced and professional technicians at a reputable motorcycle shop or dealership.
- Disconnect the battery **FIRST!**
- This product is intended for custom use only.

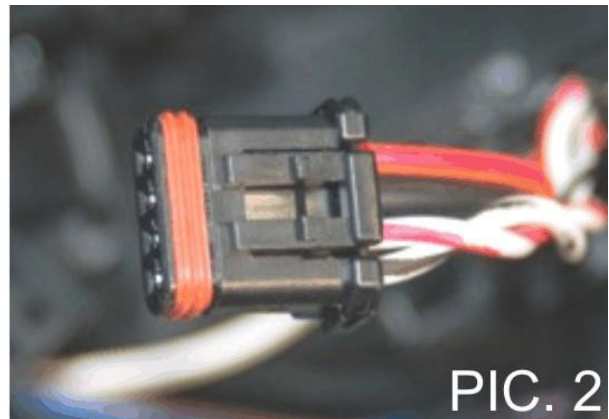
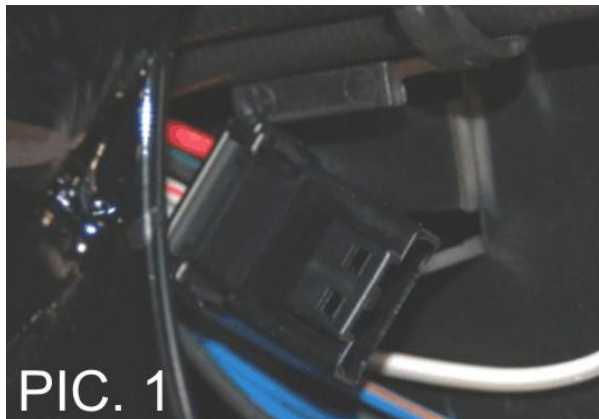
OPERATING MODE:

Since the factory began using CAN/Bus technology on all 2011–Up Softail, 2012-Up Dyna and ALL 2014-Up models it has become a challenge for owners to use custom aftermarket handlebar switches and controls. With our NCBC-B01 it is now possible to use any style handlebar switch assembly you choose without any disruption of your factory installed CAN/Bus system.

Once you choose your new switch assemblies and install them along with our NCBC-N01, your new switches will operate the motorcycle just like the factory switches did. Our unit supports clutch lock out, turn signal, horn and high/low beam buttons on the left then brake switch, turn signal, start and kill switch functions. The NCBC-N01 will also support “parade mode / four-way flasher mode” pressing both turn signal buttons at the same time to turn on and off.

INSTALLATION:

The original handlebar switches are linked to the CAN-bus through a cable. BEFORE you disconnect the 4-pin- connectors located under the speedo/nacelle/fairing, make sure to identify which is left and right as this is VERY important. (See pic #1 BIKE SIDE and #2 SWITCH SIDE)



Connect the 4-position female connector of the NCBC-N01 to the **RIGHT SIDE** 4-position male connector (PIC 1) under the fuel tank. **This harness may not be extended and it is mandatory to use this unmodified connection for proper voltage supply of the NCBC-N01.** The left plug may be left without any connection and should be protected against moisture using electrical tape or heat shrink.

Depending on how you want to configure your switch assemblies, the connection to the NCBC-N01 may vary. On stock models 1996-2006, there are (3) switches on the left and (4) on the right and on 2007-up models, there are (4) on both sides. As explained above, the NCBC-N01 supports the use of the clutch lock out switch (left) and the front brake switch (right). If you don't want to use the “standard” or commonly used buttons for a more custom look, simply cover the unused wires on the NCBC-N01 with tape or supplied heat shrink to prevent an electrical short.

WIRING SCHEMATIC:

Any combination/configuration of switches you prefer will operate the motorcycle properly as long as the unused wires are taped off or covered in heat shrink. Below, (Figure 1) is a "color" diagram of the wiring supplied on the NCBC-N01. Note that the colors match factory standards as closely as possible. (Switches are based on 2007-up models for reference only.)

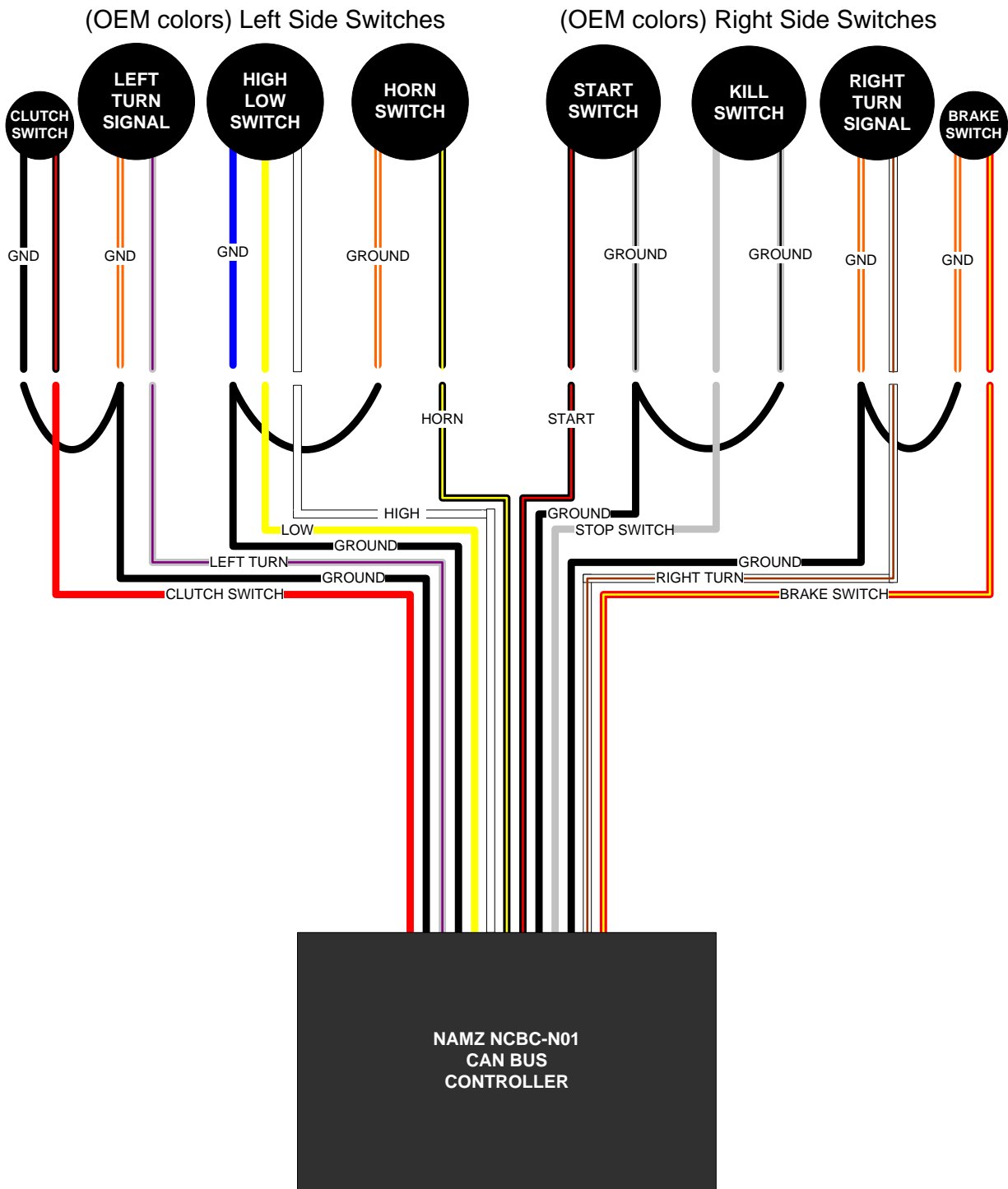


Figure 1

NOTE! All switches must connect NCBC-N01 inputs to ground. None of the switches should connect +12 V to CAN/Bus Controller input wires!

NOTES: The NCBC-N01 module comes prewired using 2007-Up factory switch wiring colors for easy installation. You can always refer to your OEM service manual for wire color reference as it is the same as these instructions.

CRUISE CONTROL / AUDIO SWITCHES: Our NCBC-N01 module does not support cruise control or audio controls, please use our bagger version, NCBC-B01 for accessing both functions.

WIRE COLOR LISTING:

Black = (Switch Ground) (Qty. 4)	Red/Yellow = Brake Switch
White/Brown = Right Turn Switch	Gray = Stop Switch
Black/Red = Start	Yellow/Black = Horn
Yellow = High Beam	White = Low Beam
White/Violet = Left Turn Switch	Red = Clutch

FUNCTIONALITY:

- **Hazzard Light Function:** To activate the hazard light function while using the NCBC-N01 simply press BOTH left and right turn signal buttons at the same time. When you wish to turn off the hazard lights, repeat the same process of pressing both left and right turn signal buttons at the same.
- **Odometer Functions:** To access the odometer functions while using the NCBC-N01 simply push and hold the RIGHT side turn signal button and immediately “double pump” (press twice) the LEFT side turn signal button. Now the left side turn signal button will replicate the odometer button allowing you to cycle through different odometer functions.