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### NAMZ Custom Cycle Products, Inc

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**Technical Support is available Monday-Friday, 9am-5pm EST via email at [tech@namzccp.com](mailto:tech@namzccp.com).**

**Part Number:** N-EFI-SH48



**Fitment:** (Intended to be used with N-EFI-01 or N-EFI-02 kits)

**N-EFI-SH48:** NAMZ Universal Speedometer Harness for our stand-alone EFI kits, 48" long. Will fit any J1850 data-bus (pre-CAN/Bus) Harley Davidson®, Dakota Digital or KOSO speedometer.

#### What this kit will provide:

- This harness provides you the ability to easily connect a compatible J1850 (data-bus) speedometer to our Twin Cam or M8 stand alone fuel injection kits. Simple to install and takes the guess work out of trying to understand what wires are needed! Uses the OEM Harley Davidson 12-position speedometer connector that has terminated wires, is pinned out according to OEM specs and is assembled in house. An OEM replacement trip reset button with boot also included and installed in the connector for your convenience.

#### What you will need:

- A compatible gauge from Harley Davidson, Dakota Digital or KOSO that is intended to fit 2004-2011 Dyna, 2004-2013 Sportster, 2008-2010 Rocker, 2004-2010 Softail and 2004-2013 Road King fuel-injected models.
- A big-twin or Sportster® fuel pump for proper fuel injection and fuel gauge readings. Fuel pumps and gauge combinations are based on the year, make and model of the fuel pump part number and gauge specifications.

**NOTE: Every harness is handmade here in Pennsylvania & tested before it leaves our building.**

#### What is included in this kit?

- 48" speedometer harness
- (6) pieces of 1/8" heat shrink

#### Recommended tools:

- Wire cutter & universal crimp tool
- Soldering iron
- Heat gun

#### WARNING!

*This product should be installed by a professional motorcycle technician or reputable shop/ dealership.*

*Improper installation may result in chatengine damage or an electrical short.*

#### Installation instructions:

1. After you have mounted the Thundermax ECM and routed the wires from our Twin Cam or M8 stand alone fuel injection kit harness, route the individual green/violet stripe wire labeled SERIAL DATA to the location of your speedometer.

**NOTE:** *The light green wire from our kit should be connected to this serial data wire. This wire will provide speed, tach and gear indication depending on the gauge you use.*

2. Once the fuel pump is installed and the orange/gray stripe wire from our EFI kit along with a ground (and a resistor pack if needed) are connected, the white/yellow stripe wire from the speedometer harness will also need to be connected to the "sending unit" output from the fuel pump.
3. The (2) orange wires from our speedometer harness should be connected to a protected 12-volt switched power source.

**NOTE:** *These two wires can be connected together.*

4. The red wire from our speedometer harness should be connected to a protected 12-volt constant (battery) power source.
5. Lastly, attached the black wire from our speedometer harness to a good ground.

**NOTE:** *If you use a Sportster fuel pump, you will also need to use a gauge and resistor-pack designed to operate on a 2007 through 2013 Sportster model. Also, Sportster fuel pumps only provide a low-fuel light, not a "traditional style" gauge but, 2018-Up Softails use the same compact pump like the Sportster and will allow the use of a traditional style gauge.*