


Dakota Digital HLY-6000 Road Star Installation Instructions

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The wiring scheme below is what I have on my 2001 Road Star Silverado. It is possible that newer bikes or different models may have a different color scheme so use caution.

Road Star Stock Wiring Harnesses

	Wire Color	Function
	1. WHITE	Speed Sensor Signal
	1. BLUE/YELLOW	(+12v) to Speed Sensor
	1. RED/GREEN	HOT from Regulator
	1. GREEN	Fuel Sender
	1. BLACK	Ground
	1. LIGHT GREEN	Engine Trouble Light

	Wire Color	Function
	2. BROWN	HOT (+12v)
	2. YELLOW	High Beam
	2. SKY BLUE	Neutral Light
	2. BLUE	HOT (+12v) (Dash lights)
	2. CHOCOLATE	L. Turn Indicator
	2. DARK GREEN	R. Turn Indicator

Installation

The Road Star wiring is split into 2 different bundles with black connectors on the ends that were used to plug into the stock gauge cluster. Cut off both connectors. They are no longer needed

The speed sensor wires on the HLY-6000 have a connector on the end that allows you to plug it directly into Harley Davidson speed sensors by using an appropriate adapter (sold separately). Luckily for us, the Road Star's stock speed sensor will work just fine without an adapter so go ahead and cut off that connector, you don't need it.

Ideally, the best location for the “brain box” unit of the HLY-6000 would be under the left side cover. Unfortunately, mine is full of other stuff so I had to improvise the location and decided to mount it to the back portion of the under-seat area. I would recommend that you mount yours under the left side cover though. The wires are the perfect length for that location. The brain box and wires could fit under the right side cover, but I don’t believe that the main gauge connector would reach.



Using the wiring scheme on the last page of this guide, match up the wires on the Road Star with the corresponding wires on the HLY-6000 wiring harness and solder them together.

Important Wiring Information:

Both BLACK wires on the brain box need to be connected directly to the (-) terminal on the battery. Don't connect them to anything else.

The following wires from the Road Star are not used and can be taped off:

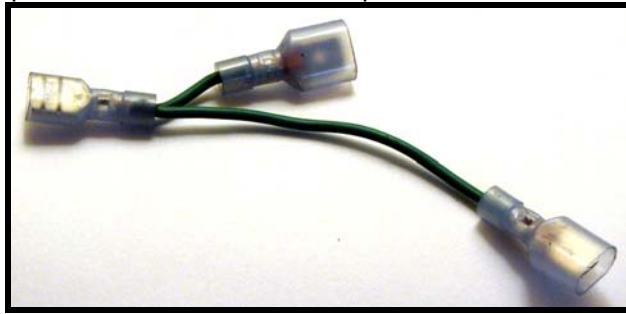
- BLACK
- RED/GREEN
- BROWN

The following wires from the HLY-6000 are not used and can be taped off:

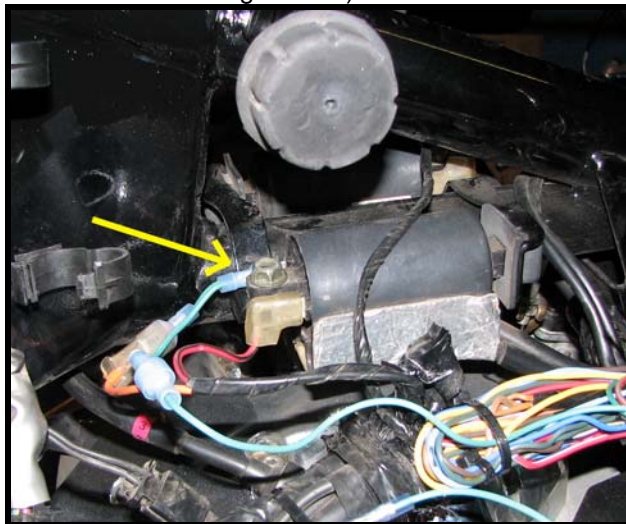
- GRAY
- WHITE/BLUE
- WHITE (on main harness)
- BROWN (*optional) The HLY-6000 has a “dimmer” function which is controlled by the BROWN wire. If you want the gauge to be bright all the time, then leave this wire disconnected. If you want the gauge to dim for night driving, then connect this wire to the GREEN Low Beam (+12v) wire.



For the tachometer signal, I recommend making a connector similar to the one I made using 14 gauge wire, 1 female spade connector, and 2 male spade connectors.



With the connector made simply plug the signal wire that originally went to the (-) side of the coil to one male connector and the new tachometer signal wire to be connected to the HLY-6000 to the other male connector. Finally plug the female connector back onto the coil. (The green wire in the picture below is the new tachometer signal wire).



HLY-6000 Wiring Scheme

Main Harness Wire Color	Function	Road Star Wire Color
RED	(+12v) with key on	BLUE
BLACK	Ground	Hook directly to (-) on battery
YELLOW	Tachometer Signal	(-) Terminal on Coil
PURPLE	High Beam Light	YELLOW
ORANGE	L. Turn Light	CHOCOLATE
GREEN	R. Turn Light	DARK GREEN
BLUE	Neutral Light	SKY BLUE
GRAY	Low Oil Light	N/A
WHITE/RED	Check Engine	LIGHT GREEN
WHITE/BLUE	Optional function	N/A
WHITE	Speed Signal Output	N/A
BROWN	Night Dimming	GREEN (Low Beam +12v)
N/A	HOT (+)	BROWN
N/A	HOT (+) to Regulator	RED/GREEN
N/A	Road Star Ground	BLACK

Speed Sensor Harness Color	Function	Road Star Wire Color
RED	(+) to Speed Sensor	BLUE/YELLOW
WHITE	Speed Sensor Signal	WHITE
BLACK	Ground	Hook directly to (-) on battery