INSTRUCTION SHEET



-J01559 Kit Number 69102-99Y REV.10-6-99

LIGHTNING® X1 BILLET ALUMINUM DASH

General

This Billet Aluminum Dash is designed to fit Buell 1999 and later Lightning X1 motorcycles.

NOTE

A Service Manual for your motorcycle is available from your Buell Dealer.

CAUTION

Carefully read this entire Instruction Sheet before beginning. If any procedures are not within your capabilities, or you do not have the correct tools, have your Buell Dealer perform the installation.

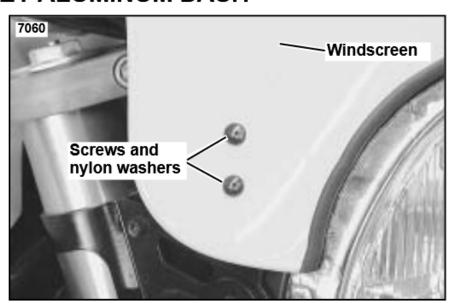


Figure 1. Windscreen, Right Side

Kit Contents:

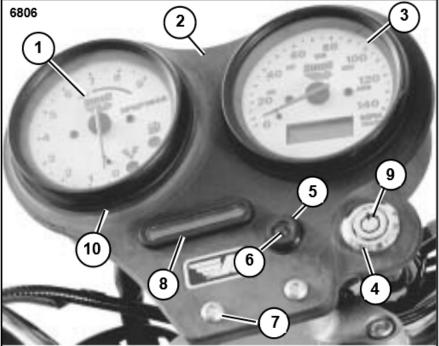
QTY	DESCRIPTION	PART NO.
1	Billet Aluminum Dash	
2	Gauge Mount Cushion	68840-99Y
1	Label, Ignition Switch	32675-97Y

Removal

AWARNING

To avoid accidental start-up of motorcycle and possible personal injury, disconnect the negative battery cable before performing any of the following procedures. If the positive cable should contact ground with the negative cable installed, the resulting sparks may cause a battery explosion. This could result in death or serious injury.

- Disconnect the negative battery cable.
- See Figure 1. Remove the windscreen by removing the two screws and nylon washers from the right and left side windscreen bracket.
- 3. See Figure 2. Remove face nut (4) from ignition key switch (9).
- See Figure 2. Remove key switch (9) from back of dash panel (2).
- See Figure 2. Remove indicator lights (8) from dash panel (2).
 - See Figure 3. Release the four tabs (4) holding indicator light assembly (5) in place.
 - Remove indicator light assembly from behind the dash panel.
 - See Figure 2. Pull indicator light bezel (8) and graphics panel from front of dash panel.



- 1. Tachometer
- 2. Dash panel
- 3. Speedometer
- 4. Key switch face nut
- 5. Plastic grommet
- 6. Odometer reset button
- 7. Screws (2)
- 8. Indicator light bezel
- 9. Ignition key switch
- 10. Mounting cushions (2)

Figure 2. Dash Panel, Front

- See Figure 2. Pull plastic grommet (5) from front of odometer reset button (6). Remove button from back of dash panel.
- See Figure 3. Remove two nuts (metric) and lockwashers
 from speedometer cover (2). Retain nuts and lockwashers
- 8. Slide speedometer cover away from speedometer.

CAUTION

Do not remove all the speedometer wires at the same time. Remove only one wire at a time and reinstall screw immediately. Failure to follow this caution will cause extreme difficulty during reassembly.

- See Figure 4. Remove wires from speedometer one at a time. After removing each wire, reinstall screw immediately.
- 10. Pull lamp (4) from bore.
- Pull speedometer from front of dash panel. Place the speedometer on a clean work surface.
- See Figure 3. Remove two nuts (metric) and lockwashers
 from tachometer cover (3). Retain nuts and lockwashers.
- 13. Slide tachometer cover away from tachometer.
- See Figure 5. Remove the three lamps (1, 2 and 5) from bores.

CAUTION

Do not remove all the tachometer wires at the same time. Remove only one wire at a time and reinstall screw immediately. Failure to follow this caution will cause extreme difficulty during reassembly.

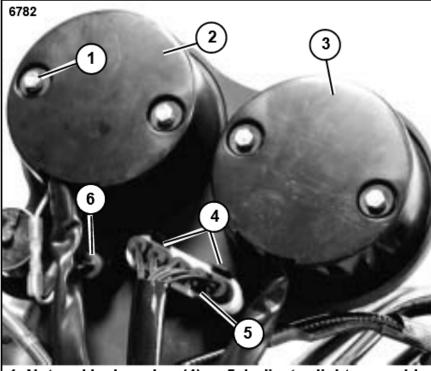
- Loosen screws and remove wires (3, 4 and 6) one at a time. After removing each wire, immediately reinstall its screw.
- Pull tachometer from front of dash panel.
- See Figure 2. Remove screws (7) and pull dash panel off of handlebar clamp.

Installation

NOTE

The rubber cushions mount to the dash panel with the cushion collar on the inside.

- Glue the two new cushions to the new Billet Aluminum Dash Panel using RTV Silicon adhesive. Be sure to line up the groove in the cushions with the dash panel slots.
- 2. Attach new dash to handlebar clamp.
 - a Apply LOCTITE® THREADLOCKER 243 (blue) to both retained screws.
 - Align new dash on handlebar clamp and install both screws.
 - Tighten screws to 7-9 ft-lbs (9.5-12.2 Nm).



- 1. Nut and lockwasher (4)
 - 4) 5. Indicator light assembly 6. Odometer reset
- 2. Speedometer cover
 - chometer cover
- 3. Tachometer cover
- 4. Indicator light bezel tabs (4)

Figure 3. Dash Panel (Rear)

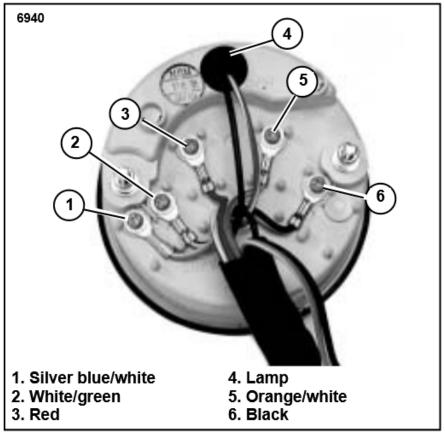


Figure 4. Speedometer Wiring

- Install indicator light assembly.
 - a. Place indicator light bezel through the front of the dash.
 - Position indicator light assembly so that the green tab
 on the bulb housing is up and insert assembly into
 bezel. Secure with the four tabs.

-J01559 2 of 3

- Install odometer reset button from the back of the dash. secure with plastic grommet.
- Apply LOCTITE® THREADLOCKER 243 (blue) to the threads of the ignition key switch.
- From the back of the dash, insert the ignition switch into the hole. the word "TOP" stamped on the switch body should face upward.
- Place ignition switch label in position over the ignition switch and install face nut. Tighten securely.
- 8. Install the tachometer in the dash.
 - Slide tachometer into mounting gasket.
 - b. See Figure 5. Insert lamps (1, 2 and 5) into their appropriate bores.
 - c. See Figure 5. Attach wires (3, 4 and 6) to the tachometer as shown.
- 9. Install the speedometer in the dash.
 - a. Slide speedometer into mounting gasket.
 - b. See Figure 4. Insert lamp (4) into its bore.
 - c. See Figure 4. Attach wires (1, 2, 3, 5 and 6) to the speedometer as shown
- See Figure 3. Install tachometer cover.
 - Place tachometer cover (3) over tachometer. Align posts on back of tachometer with holes in cover.
 Drain hole must be at bottom of cover.
 - Apply LOCKTITE® THREADLOCKER 243 (blue) to both threaded posts.
 - Fasten cover (3) to tachometer using the retained two nuts and lockwashers (1).
- See Figure 3. Install speedometer cover.
 - Place speedometer cover (2) over speedometer posts on back of speedometer with holes in cover.
 Drain hole must be at bottom of cover.
 - Apply LOCKTITE® THREADLOCKER 243 (blue) to both threaded posts (1).
 - c. Fasten cover (2) to speedometer using the retained two nuts and lockwashers (1).

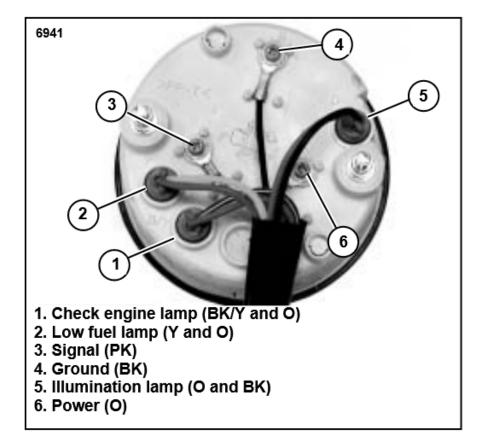


Figure 5. Tachometer Wiring

12. See Figure 1. Attach windscreen to mounting brackets using the retained screws and washers.

Final Checks and Adjustments

- 1. Reconnect the negative battery cable.
- Turn ignition/light switch to ON. Check that the indicator lights, signal lights and headlamp all function properly.
- Start the engine, check the tachometer operation and check that the indicator lights are working correctly.
- If tachometer does not function, check that all wiring connections were made correctly.
- Test ride the motorcycle to verify that the speedometer is functioning properly.

-J01559