

## 2014 TOURING LED SADDLEBAG LIGHT KIT

### Electrical Overload

#### NOTICE

It is possible to overload your vehicle's charging system by adding too many electrical accessories. If the combined electrical accessories operating at any one time consume more electrical current than the vehicle's charging system can produce, the electrical consumption can discharge the battery and cause damage to the vehicle's electrical system.

#### WARNING

When installing any electrical accessory, be certain not to exceed the maximum amperage rating of the fuse or circuit breaker protecting the affected circuit being modified. Exceeding the maximum amperage can lead to electrical failures, which could result in death or serious injury.

This 2014 Touring LED Saddlebag Light Kit requires up to 720 mA additional current from the electrical system.

#### Kit Contents

See Figure 4 and Table 1.

#### INSTALLATION

1. See the service manual. Remove the right saddlebag from the vehicle.

2. See the service manual. Remove the saddlebag lid.

3. Position the saddlebag upside down on a protected surface with the latch loops overhanging the edge.

4. With the adhesive backing still in place, test fit the right light rail:

- Align the semicircular shape of the rail with the corresponding shape at the front of the saddlebag.
- Verify that the rail flange makes contact all along the saddlebag base and consistently follows the saddlebag along the entire length of the long leg.
- With the help of an assistant, hold the rail in place and trace reference marks on the saddlebag with a contrasting colored grease pencil.

5. Lift the light rail from its test fit location.

6. Clean the saddlebag in the areas corresponding to the tape installed on the rails with a mixture of equal parts of isopropyl alcohol and distilled water. Allow to dry completely.

7. Prepare the following pieces of masking tape. See Figure 1. Cut (2) 12 inch (30.5cm) and (2) 3 inch (76mm) strips of masking tape. Apply the 3 inch (76mm) strips to the center of the 12 inch (30.5cm) strips, adhesive to adhesive, creating a tack free zone.

8. Remove the adhesive tape backing from the short leg and from the semicircular shape of the rail. (Do not remove the backing from long leg at this time.)

9. Position the light rail as in the test fit above. Flex the short leg away from the saddlebag while lowering the assembly down into position.

10. Once seated and with the help of an assistant, hold the front of the rail firmly in position while flexing the long leg away from the saddlebag at the rear. Remove the adhesive backing from the rail. Verify alignment with the reference marks and allow the long leg to fully contact the saddlebag.

11. Apply firm sliding pressure in all tape areas. (Do not use extreme pressure over the lens.)

12. Temporarily clamp the rail in place using the masking tape as follows:

- Position the tape strips at a right angle to the long leg of the rails with the 3 inch (76 mm) tack free zone stretched across the face of the light rail.
- Pull the tape tight while adhering the ends to the saddlebag.

13. See Figure 2. Route the Light Rail wiring as shown. Retain the wiring with the clips provided in the kit.

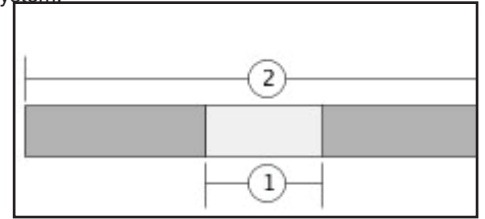
14. Repeat 1-13 for the left saddlebag.

15. Allow the assemblies to dwell for 24 hours.

16. Remove the reference marks.

17. See the service manual. Install the saddlebag lids.

18. See the service manual. Install the saddlebag to the vehicle.



- 3 inch (76mm) tape, adhesive side down
  - 12 inch (30.5cm) tape, adhesive side up
- Figure 1. Create tack free zone

#### PREPARATION

#### WARNING

To prevent accidental vehicle start-up, which could cause death or serious injury, remove main fuse before proceeding. (00251b)

#### NOTE

For vehicles equipped with security siren: With security fob present, turn ignition switch ON. After system is disarmed, turn ignition switch OFF. IMMEDIATELY remove the main fuse per the service manual.

For vehicles WITHOUT security siren: See the service manual to remove the main fuse.

#### HARNESS ROUTING

1. See the service manual. Remove the main fuse.

2. See the service manual. Remove the seat.

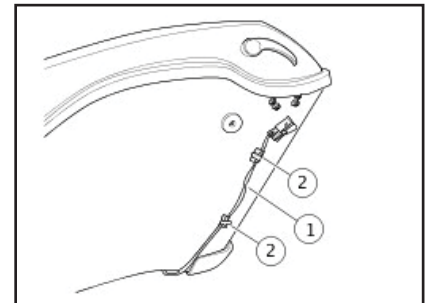
3. See Figure 3. Install the Electrical Connection Harness (Part No. 69200722, purchased separately) per the instructions in that kit (if not already present).

- To left rail
- To right rail
- Harness 3 way
- Harness connector

4. Get harness 3 way from the kit. Plug the harness into the connector on connector adapter harness.

5. Route one leg of the harness toward the right saddlebag and route the other leg toward the left saddlebag.

6. Open the right saddlebag and release the saddlebag from the vehicle by removing the 1/4 turn fasteners. Rock the saddlebag outward to gain access to the Light Rail connector on the bag.



- Light Rail wiring
  - Clips (2)
- Figure 2. Wire Routing

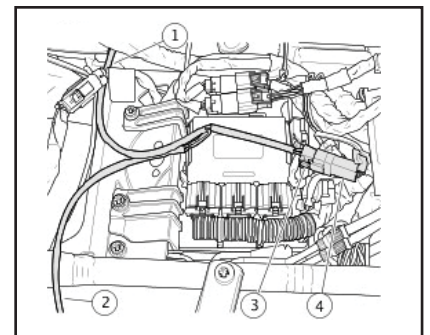


Figure 3. Install Electrical Connection Harness

- 7. Plug the harness connector into the connector on the saddlebag.
- 8. Return the saddlebag to its normal position using the 1/4 turn fasteners removed above.
- 9. Repeat for the opposite side.
- 10. Secure the harness to existing wiring or frame members using the cable ties provided in the kit.

COMPLETION

- 1. See the service manual. Replace the main fuse.

With the ignition in the OFF position; Light Rail LEDs are OFF.  
With the ignition in the ON position; Light Rail LEDs are ON.  
With the ignition in the ACC position; Light Rail LEDs are OFF.

WARNING

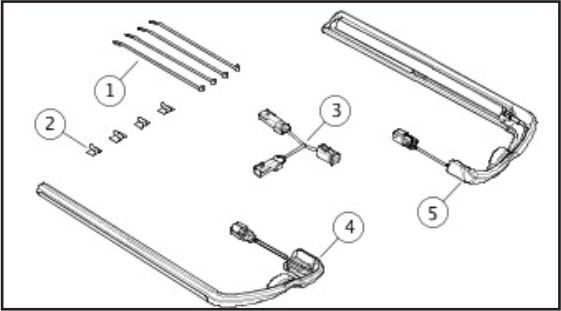
After installing seat, pull upward on seat to be sure it is locked in position. While riding, a loose seat can shift causing loss of control, which could result in death or serious injury.

- 2. See the service manual. Install the seat.

SERVICE PARTS

Figure 4. Parts: Saddlebag Light Kit

Table 1. Service Parts Table	
Item	Description (Quantity)
1	Cable strap (4)
2	Clip (4)
3	Wiring harness, saddlebag light
4	Light rail, right
5	Light rail, left



ELECTRICAL CONNECTION HARNESS

This harness provides battery power, ignition/accessory power and ground connection from the eight-way Molex accessory connector [4A] to accessories connecting through a four-way Deutsch connector.

NOTE

This instruction sheet refers to service manual information. A service manual for this year/model motorcycle is required for this installation.

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WARNING

When installing any electrical accessory, be certain not to exceed the maximum amperage rating of the fuse or circuit breaker protecting the affected circuit being modified. Exceeding the maximum amperage can lead to electrical failures, which could result in death or serious injury. The power from this harness is fused at 15 amps through the vehicle harness.

Kit Contents

This harness comes fully assembled.  
See Figure 1 and Table 1.

PREPARATION

WARNING

To prevent accidental vehicle start-up, which could cause death or serious injury, remove main fuse before proceeding.

NOTE

- For vehicles equipped with security siren: With security fob present, turn ignition switch ON. After system is disarmed, turn ignition switch OFF. IMMEDIATELY remove the main fuse per the service manual.
- For vehicles WITHOUT security siren: See the service manual to remove the main fuse.
- Remove seat. Retain the seat and all mounting hardware.
- Remove left side cover.

INSTALLATION

1. Locate accessory connector [4A] (a gray, eight-way Molex pin housing with a weather cap) inside the electrical caddy, under the left side cover.
2. Lift the locking tab. Slide the BCM with attached connector out of the electrical caddy.
3. Get the electrical connection harness from the kit. Position the gray eight-way socket housing near connector [4A], but DO NOT connect them now. Route the harness:
  - a. Through the opening in the caddy,
  - b. through the frame,
  - c. up to the area under the seat, in front of the battery.
4. Remove connector [4A] from the caddy. Remove the weather cap from the connector. Connect the gray socket housing on the kit harness to connector [4A].
5. Install the BCM with attached connector into the electrical caddy.

ACCESSORY ELECTRICAL CONNECTION

The Electrical Connection Harness serves as a convenient connection point for accessory wires that would otherwise connect to the vehicle fuse block or B+ connector.

1. Route the wires of the accessory over to the Electrical Connection Harness per the instructions in that kit.
2. Accessories with a four-way Deutsch socket power connection plug directly into the Electrical Connection Harness or Electrical Accessory Adapter. Accessories connecting to power with three individual wires: See Figure 1. Cut the wires of the accessory (or accessories) to a suitable length to reach the three individual wires on the Electrical Connection Harness easily. Cut the wire caps from the three wires on the harness.

Splicing of wire leads is necessary in the installation of many accessories to the vehicle. Refer to the service manual appendix for proper wire splicing procedures.

- Up to three #16AWG wires can connect to each sealed splice connector. If more than three #16AWG wires must be connected, more sealed splice connectors are required. Do not overload the vehicle charging system.
- The accessory wire (or wires, typically orange with a white stripe) that would otherwise connect to the fuse block must be spliced to the violet/blue (ignition/accessory power) wire in the Electrical Connection Harness.
- The accessory wire (or wires, typically red) that would otherwise connect to the B+ connector must be spliced to the red/blue (battery power) wire in the Electrical Connection Harness.
- The accessory ground wire (or wires, typically black) must be spliced to the black (ground) wire in the Electrical Connection Harness. If ring terminals are provided in the accessory kit, they can be used instead to connect directly to the vehicle ground.

3. Use a heat gun or suitable radiant-heating device to shrink the connector to the wires. Seal any unused connections to protect against corrosion.

COMPLETION

NOTE

To prevent possible damage to the sound system, verify that the ignition switch is OFF before installing the main fuse.  
1. See the service manual to install the main fuse.

2. Test the accessory or accessories for proper operation.

WARNING

After installing seat, pull upward on seat to be sure it is locked in position. While riding, a loose seat can shift causing loss of control, which could result in death or serious injury.  
3. See the service manual to install the seat.

SERVICE PARTS

Figure 1. Service Parts, Electrical Connection Harness  
Table 1. Service Parts

Item	Description (Quantity)
1	Wire harness
2	Sealed splice connector (blue), #14-16 AWG (3)

