



INSTRUCTIONS

-J03839

REV. 2009-01-08

SECURITY SYSTEM SMART SIREN II KIT

GENERAL

Kit Number

68317-06A

Models

This kit fits 1997 through 2001 FL Touring models equipped with a Harley-Davidson® Factory Security System.

Kit Contents

See Figure 5 and Table 1.

INSTALLATION

WARNING

To prevent accidental vehicle start-up, which could cause death or serious injury, disconnect negative (-) battery cable before proceeding. (00048a)

1. Refer to the Owner's Manual and follow the instructions given to disarm the security system, remove the seat and disconnect the negative battery cable. Retain all seat mounting hardware.
2. Remove the right side saddlebag per the instructions in the Owner's Manual. Gently pull the side cover from the frame downtubes.
3. Locate the siren connector. It is covered by a dust cap and is at the end of an unconnected 10 inch (254 mm) long harness leg.

For 1997 through 2000 models: See Figure 1. The siren harness originates near the frame rail above the battery box. Free the connector from the wire tie or "T"-stud.

For 2001 models: See Figure 2. The siren harness originates near the front of the battery box. Clip the wire tie and unfold the siren connector.

4. **On carbureted models,** remove and save the nut from the right-side stud on the battery box. Note that the left-side stud does not have a nut. A nut is included in this kit for use when installing the siren bracket.

On fuel injected (EFI) models, remove (pull) and save the rubber fuse holder from the existing bracket. See Figure 4. Locate the Data Link connector (1) and unclip it from its "T"-stud. Remove and save the nuts from the two studs on the battery box.

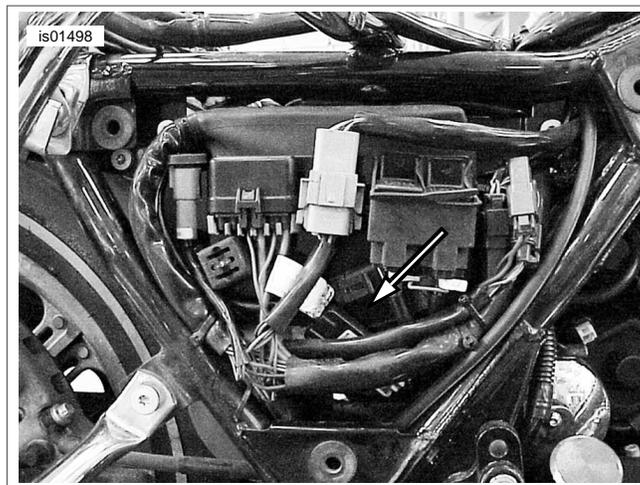


Figure 1. Siren Connector (1997 Through 2000 Models)

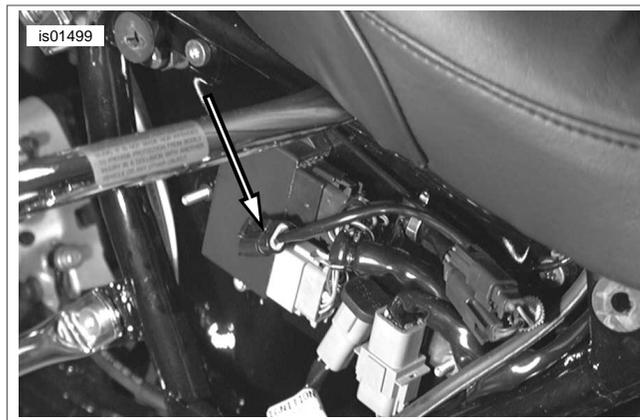
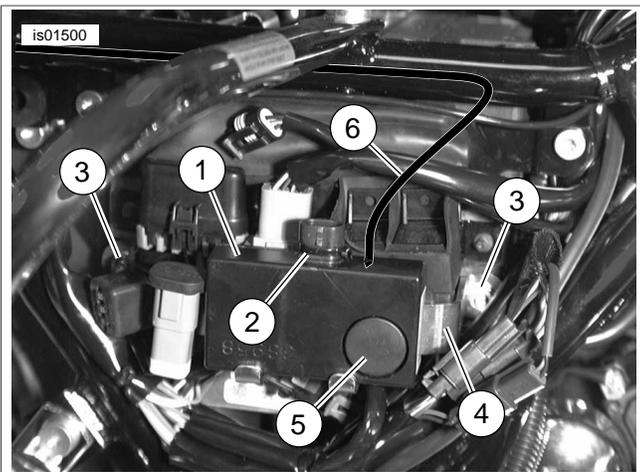


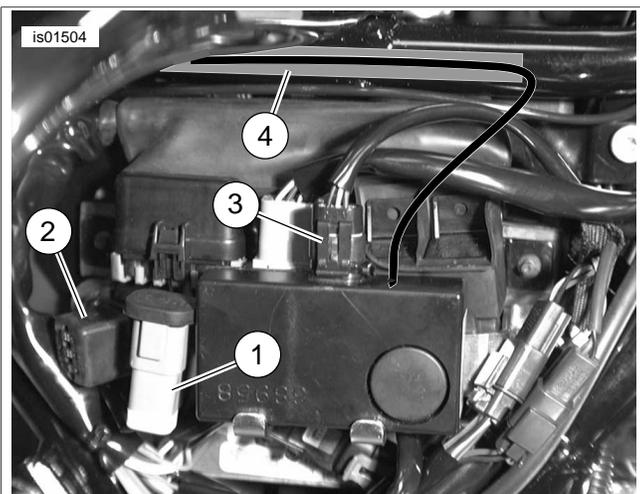
Figure 2. Siren Connector (2001 Models)

5. See Figure 3. Place the siren bracket (4) onto the studs, and install the nuts (3) to secure the bracket. Tighten the nuts to 5-10 ft-lbs (6.8-13.6 Nm).
6. Place the siren in the cradle formed by the siren bracket tabs with the connector and antenna (6) pointing **up** and the sounder disc (5) facing **out**. Loop the wire tie (2) from the kit around the neck of the connector, aligning it with the notches in the vertical tab of the siren bracket. See Figure 5 for the location of the vertical tab notches. Cinch the wire tie tight to bind the siren to the bracket.
7. Remove the dust cap from the siren connector. See Figure 4. Install the siren connector to the siren.



1. Siren
2. Wire tie
3. Nut (2)
4. Siren bracket
5. Sounder disc
6. Siren antenna

Figure 3. Install Siren Bracket



1. Relocate Data Link connector to siren bracket
2. Relocate rubber fuse holder to siren bracket
3. Install siren connector to siren
4. Install adhesive-backed hook fastener to frame tube

Figure 4. Install Siren Connector (EFI Model Shown)

8. **On fuel injected (EFI) models only**, clip the Data Link connector to the "T"-connector on the siren bracket. Obtain the rubber fuse holder removed earlier and install it to the hole in the corner of the bracket.
9. Clean the outboard surface of the frame tube above the siren with a mixture of 50 to 70% isopropyl alcohol and 30 to 50% water. Allow to dry thoroughly.
10. See Figure 5. Obtain the adhesive-backed hook fastener (5) from the kit. Peel the paper backing from the fastener adhesive, and attach the fastener to the frame in the cleaned area.
11. Lay the siren antenna wire down the center of the installed fastener, and straighten the antenna along the length of the fastener.

NOTE

In order for the antenna to work properly, none of the small diameter portion should touch the metal parts of the vehicle.

12. Obtain the plain-backed loop fastener (6) from the kit. Install the loop fastener onto the hook fastener installed on the frame, capturing the antenna wire to hold it firmly in place.
13. Align the barbed studs on the side cover with the gromets in the frame, and push firmly into place.
14. Install the right-side saddlebag per the instructions in the Owner's Manual.
15. Refer to the Owner's Manual and follow the instructions given to re-attach the negative battery cable and install the seat.

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. (00070b)

NOTE

The siren may not function properly when first installed. NiMH (Nickel Metal Hydride) rechargeable batteries discharge fairly rapidly when stored. They will lose as much as 1% - 2% of their charge per day, and after a few months of storage at room temperature will be mostly discharged. If stored for a very long period without charging, they may need a few charging cycles to regain their full capacity.

To charge the NiMH battery, operate your motorcycle for a minimum of 4 hours.

SIREN DIAGNOSTICS

- If the siren is armed and the internal siren battery is dead, shorted, disconnected, or has been charging for a period longer than 24 hours, the siren will respond with three chirps on arming instead of two.
- The internal siren battery may not charge if the vehicle's charging system is producing less than 12.5 volts.
- If the siren does not chirp two or three times on a valid arming command from the security system, the siren is either not connected, not working, or the siren wiring was opened or shorted while the siren was disarmed.
- If the siren enters the self-driven mode where it is powered from the siren internal 9 volt battery, the turn signal lamps may or may not alternately flash. If the security system activates the siren, the turn signal lamps will alternately flash. If the siren has been armed and a security event occurs, and the siren is in self-driven mode, the siren will alarm for 20 to 30 seconds and then turn off for 5 to 10 seconds. This alarm cycle will be repeated ten times if the siren is in the self-driven mode.

BATTERY REPLACEMENT

The siren's internal 9 volt battery is rechargeable and does not need to be replaced on a regular basis. Battery life under normal conditions is approximately three to six years.

NOTES

When battery replacement is needed, only a nickel metal hydride (NiMH) nine-volt battery should be used in the siren. These are widely available at local battery outlets.

As an optional source, Security System Siren Battery Replacement Kit (H-D Part Number 69018-00) can be used. However, in addition to the 9-volt NiMH battery, this kit contains

a replacement battery cover and cover gasket which are not required for the Smart Siren II.

To Replace the Battery:

1. Remove the siren box from the vehicle.
2. Open the battery door by inserting a flat-blade screwdriver into one of the slots on the side of the siren box. Press until one corner of the door pops up slightly.
3. Insert the screwdriver into the second slot, and press until the door pops open.
4. Remove the old battery from the siren box, and gently unfasten the snap connector from the battery. Save the grease coating the terminals.
5. Coat the terminals of the snap connector and the **new nickel metal hydride (NiMH) nine-volt battery** completely with the grease from the old connection.

NOTE

If not enough lubricant remains to completely cover the terminals, Electrical Contact Lubricant (Part Number 99861-02) is compatible, and is available from a Harley-Davidson dealer

6. Snap the connector onto the new battery, and install the battery into the siren box.
7. Place the siren box on a work surface with the battery opening up. Position the battery door onto the siren box with the rounded corners facing out.
8. Press the cover down onto the siren box and press the tabs in with the screwdriver until the tabs snap into the slots in the box.
9. Re-install the siren box into the vehicle.
10. Dispose of the old NiMH battery in accordance with local regulations.

SERVICE PARTS

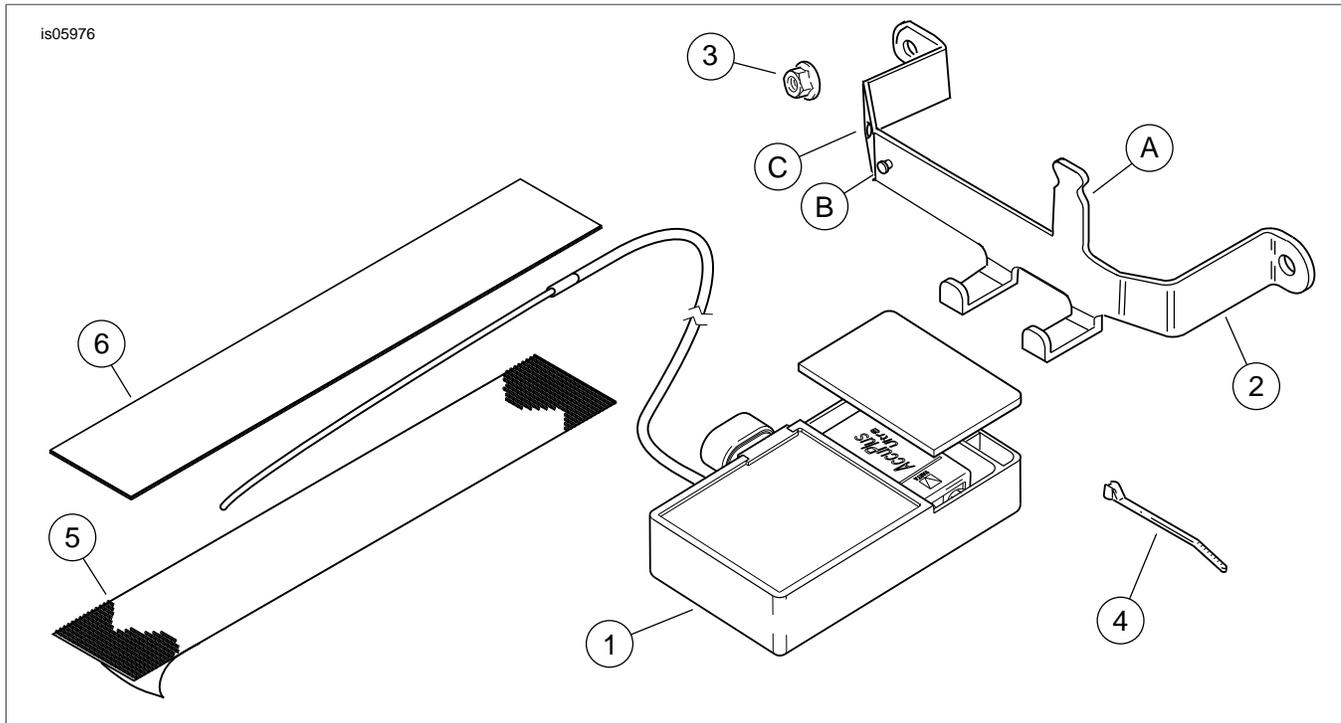


Figure 5. Service Parts, Service Parts, Kit 68317-06A

Table 1. Service Parts Table

Item	Description (Quantity)	Part Number
1	Smart Siren II, security system	68970-06
2	Siren bracket	Not Sold Separately
3	Nut, hex flange, 1/4-20	7716
4	Cable tie	10065
5	Hook fastener, adhesive-backed, 8-1/4 in. x 1-1/2 in. (210 x 38 mm)	Not Sold Separately
6	Loop fastener, plain-backed, 8-1/4 in. x 1-1/2 in. (210 x 38 mm)	59274-01
Additional items mentioned in text:		
A	Notches in siren bracket vertical tab	
B	"T"-stud on siren bracket	
C	Hole in siren bracket	