

SERVICE BULLETIN



M-1104

August 15, 2000

IGNITION SWITCH AND KEY KIT FOR 2000 MODEL SPORTSTERS

Purpose

This Service Bulletin contains the repair and warranty procedures needed to remove and replace the ignition switches that allow the key to be removed with switch in the "IGNITION" position.

Motorcycles Affected

The motorcycles requiring ignition switch replacement are identified in the DEALER COMMUNICATIONS letter attached to this bulletin. The letter lists the Vehicle Identification Numbers (VIN) of the motorcycles shipped to your Dealership.

Ignition Switch Kit

See Figure 1. Special ignition switch kits, P/N 94030, to facilitate this repair have been authorized. Enough kits to service all motorcycles listed in the above letter will be sent to your dealership.

Procedure

Ignition Switch Removal

WARNING

To protect against shock and accidental start-up of vehicle, disconnect the negative (-) battery cable before proceeding. Inadequate safety precautions could result in death or serious injury.

WARNING

Always disconnect the negative (-) battery cable first. If the positive (+) battery cable should contact ground with the negative (-) cable installed, the resulting sparks may cause a battery explosion which could result in death or serious injury.

1. Remove seat.
2. Disconnect battery cables, negative cable first.
3. See Figure 2. Remove ignition switch face nut (1).
4. Remove Fuel tank. See FUEL TANK REMOVAL, Section 4 of 2000 XLH Service Manual.

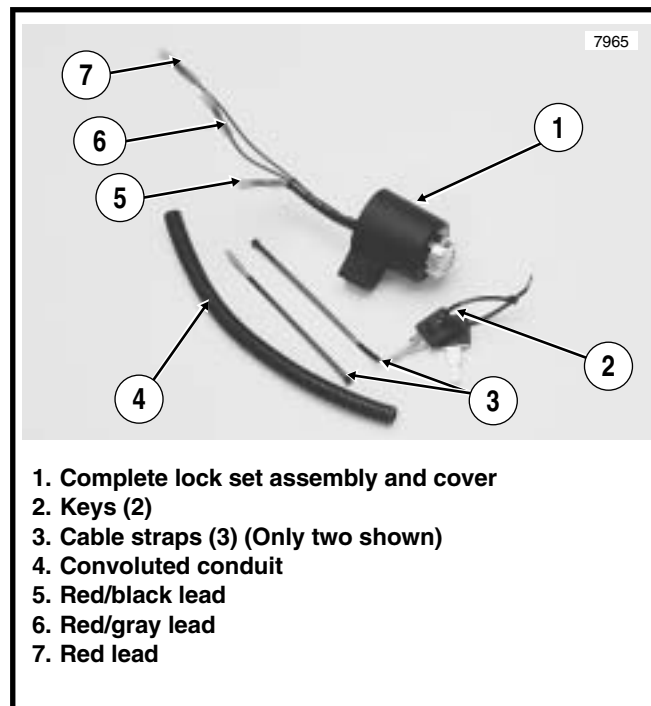


Figure 1. Kit Contents, Part No. 94030

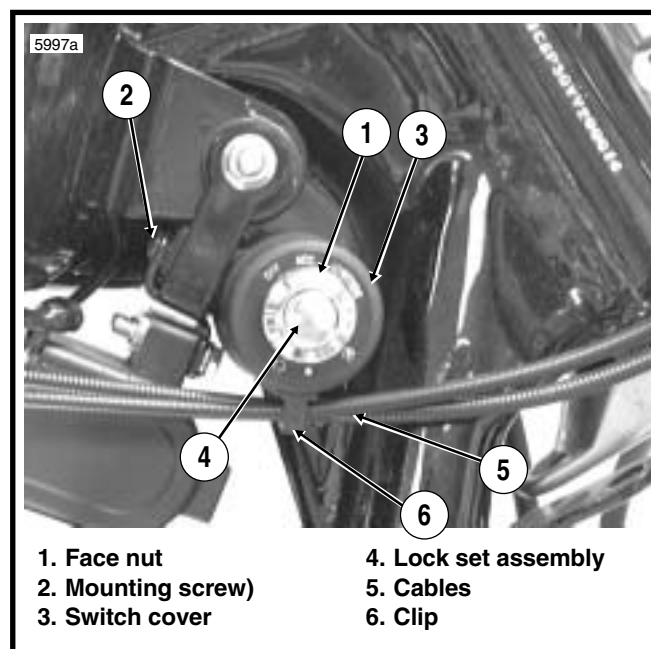


Figure 2. Ignition Switch

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO.1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	TECHNICIAN NO. 4	RETURN THIS TO
INITIAL HERE									

- Remove mounting screw (2) and save for new switch assembly. Remove throttle control cables (5) from retaining clip (6) on switch cover (3). Slide switch cover off lock set assembly

NOTE

In the next step, slit and fold back conduit covering switch wires as needed. Do not cut off conduit, it should be placed on wires after splicing is completed.

- Remove conduit and cut switch wires to the following lengths from the rear of the switch:
 - RED/BLACK wire - 1-1/2 in. from switch
 - RED/GRAY wire - 3-1/2 in. from switch
 - RED wire - 5-1/2 in. from switch

NOTE

Discard the old lockset assembly, cover and keys.

- Strip 3/8 in. of insulation off the ends of the three wires connected to the main harness.

Ignition Switch installation

- See SEALED BUTT CONNECTORS in section 7 of the XLH Service Manual. Observing color codes, insert stripped wire ends from main harness into butt connectors connected to new ignition switch. Complete butt splice to **new** ignition switch. Seal butt splice connectors using UltraTorch UT-100 or other radiant heating device.
- Open slit in convoluted conduit from kit and slide conduit over butt splice connectors. Trim excess if necessary.
- Install lock assembly and cover in bracket and install mounting screw. Tighten mounting screw to 36-84 in-lbs (4-9 Nm) torque.
- Using two **new** cable straps, secure main harness to frame backbone. Use third cable strap if necessary.

⚠ WARNING

Always connect the positive (+) battery cable first. If the positive (+) cable should contact ground with the negative (-) cable installed, the resulting sparks may cause a battery explosion producing personal injury.

- Reinstall fuel tank and throttle control cables in retaining clip) on switch cover.
- Install battery cables, positive cable first. See BATTERY, INSTALLATION AND CONNECTION section 7 of the XLH Service Manual.
- Check ignition/light switch for proper operation.
- Install seat.

⚠ WARNING

After installing seat, pull upward on front of seat to be sure it is locked in position. If seat is loose, it could shift during vehicle operation and startle the rider, causing loss of control and personal injury.

Credit Procedure

After servicing each vehicle, complete a regular warranty claim referencing Service Bulletin M-1104 in the "Description of Repair" section of the claim. Fill in the rest of the claim as follows:

CLAIM TYPE	MC, GDW*
QUANTITY	0
PROBLEM PART NO.	48415-99
PART DESCRIPTION	ignition switch
ADDITIONAL PART QTY.	1
ADDITIONAL PART NO.	94030
ADDITIONAL PARTS DESCRIPTION	ignition switch - warranty
PRIMARY LABOR CODE	5129
TIME	0.5 HOUR
CUSTOMER CONCERN CODE	9203
CONDITION CODE	9111

*Note: If vehicle is out of factory warranty, obtain a policy adjustment and use GDW as your claim type.

Upon receipt and processing of claim, you will receive appropriate credit for parts and labor.