

# SERVICE BULLETIN



M-1103

July 28, 2000

## REVISED TRANSMISSION VENT HOSE ROUTING FOR 2000 MODEL SPORTSTERS

### Purpose

This Service Bulletin is to inform you of a revised hose routing that has been authorized as a running change at the factory. The new routing eliminates sags (low points below fitting at crankcase) in the hose where oil may collect and be forced out later.

### Motorcycles Affected

Only perform the following hose routing procedure on motorcycles that have forced oil out the transmission vent hose.

### Procedure

1. Refer to Section 7 of the XLH Service Manual, remove seat and battery.

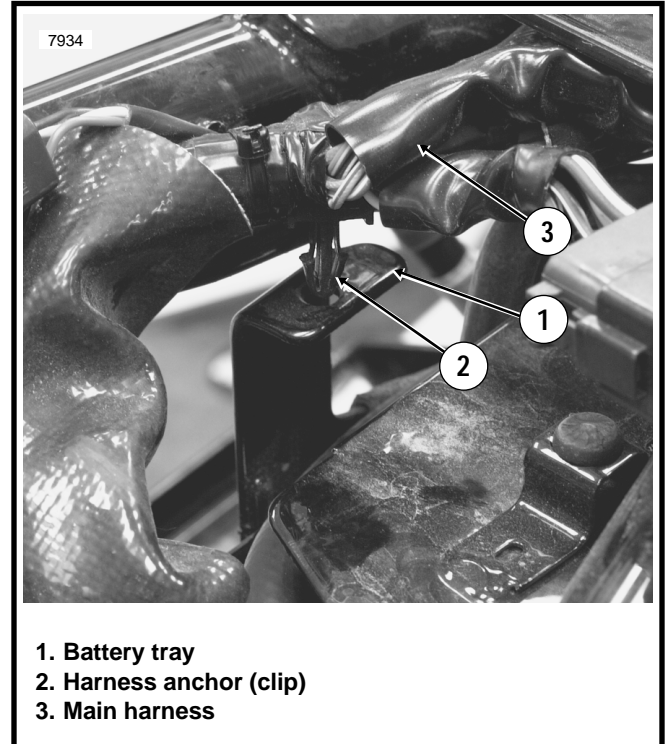
#### **⚠ WARNING**

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**

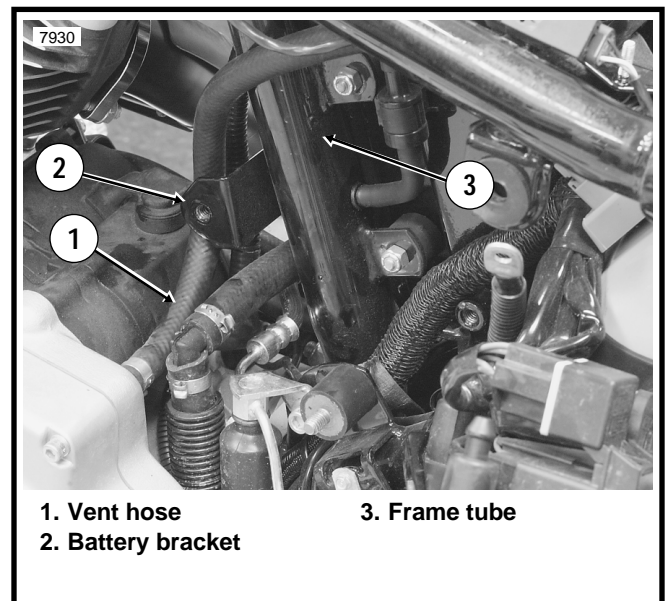
Always disconnect the negative (-) battery cable first. If the positive (+) battery cable should contact ground with the negative (-) cable installed, the resulting sparks may cause a battery explosion which could result in death or serious injury.

2. On XL-1200S only, remove ignition module bracket and move bracket and module aside. (This will allow access to T-stud clip attaching vent hose on inboard side of oil tank.)
3. Gently pull left side cover so barbs on cover are pulled out of rubber grommets.
4. At rear of battery tray, unlatch and disconnect harness connector on bank angle sensor. (See Figure 4. Bank angle sensor is identified.)
5. See Figure 1. Gently compress barbs of harness anchor (2) with a needle nose pliers and pull anchor from hole in battery tray.
6. See Figure 2. Remove battery tray and battery pad.



1. Battery tray
2. Harness anchor (clip)
3. Main harness

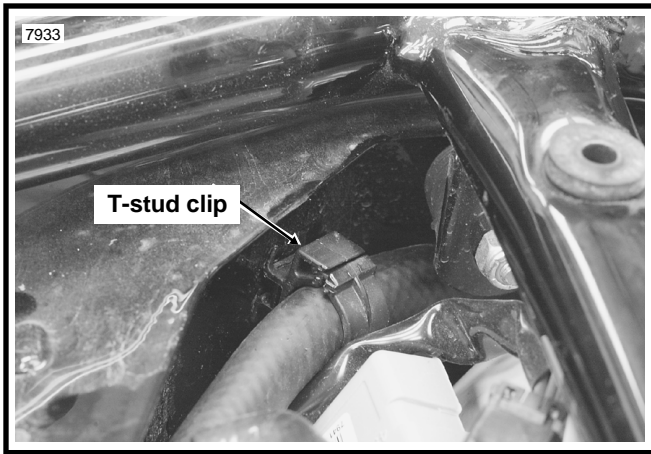
Figure 1. Releasing Harness Anchor



1. Vent hose
2. Battery bracket
3. Frame tube

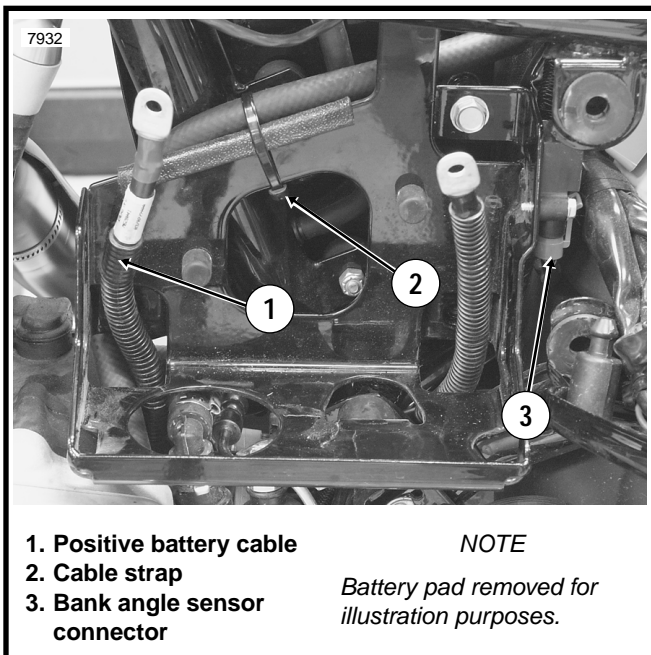
Figure 2. Battery Tray Removed

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									



**Figure 3. T-stud Clip On Inboard Side Of Oil Tank**

7. See Figure 3. Remove T-stud clip attaching vent hose to inboard side of oil tank. (Skip this step if clip was removed in step 2 above.)
8. See Figure 2. Reroute vent hose (1) behind front battery bracket (2), up and outboard of frame tube (3).
9. See Figure 4. Install battery tray and connect harness connector (3) on bank angle sensor.
10. See Figure 4. Locate positive battery cable (1) between vent hose and oil feed/drain hose. Loosely install cable strap, Part No. 10006, (2) to locate vent hose on battery tray as shown.
11. See Figure 3. From battery tray route vent hose to inboard side of oil tank and secure with T-stud clip.
12. See Figure 1. Install harness anchor (2) in battery tray hole.
13. Refer to Section 7 of the XLH Service Manual, install battery and seat.

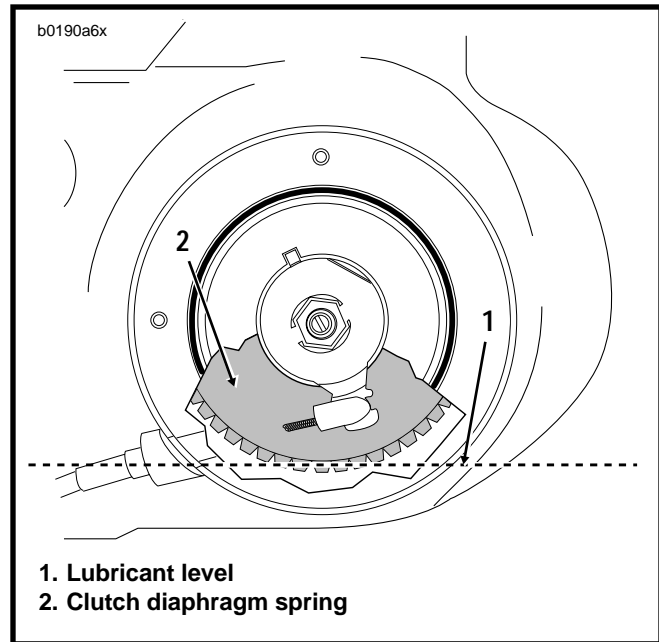


1. Positive battery cable
2. Cable strap
3. Bank angle sensor connector

**NOTE**

*Battery pad removed for illustration purposes.*

**Figure 4. Vent Hose Attached To Battery Tray**



1. Lubricant level
2. Clutch diaphragm spring

**Figure 5. Lubricant Level With Motorcycle Upright**

**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 which could result in death or serious injury.**

**WARNING**

**Do not allow the positive cable (+) to contact ground with the negative (-) cable installed. Resulting sparks may cause a battery explosion which could result in death or serious injury.**

14. See Figure 5. Refer to Section 6 of the XLH Service Manual and remove clutch inspection cover. Check that transmission/chaincase is not overfilled. Drain to proper level if necessary.

**CAUTION**

**When performing regular scheduled transmission fluid changes, only fill to the level shown in Figure 5. Do not simply add 32 oz. as there may be fluid retained in transmission cavity which could then cause an overfilled condition.**

## Credit Procedure

After servicing each vehicle, complete a regular warranty claim referencing Service Bulletin M-1103 in the "Description of Repair" section of the claim. Fill in the rest of the claim as follows:

CLAIM TYPE	<b>MC</b>
QUANTITY	0
PROBLEM PART NO.	63500-68
PART DESCRIPTION	Hose
ADDITIONAL PART QTY.	1
ADDITIONAL PART NO.	10006
ADDITIONAL PARTS DESCRIPTION	Cable strap
PRIMARY LABOR CODE	4315
TIME*	0.7 HOUR
CUSTOMER CONCERN CODE	9203
CONDITION CODE	3104
*Time includes properly adjusting lubricant level, including lubricant if needed.	