2008 SERVICE LITERATURE UPDATE

Purpose
To communicate updates and corrections for 2008 model year service and owner's literature.

Motorcycles Affected
2008 VRSC, Dyna, Softail, Touring, Sportster, FLHRSE4, FXDSE2 and FXSTSSE2 models.

Required Dealer Action
Notify service personnel of service bulletin. Update affected manuals.

2008 VRSC Models Service Manual
(Part No. 99501-08)
1. See Table 1-1, “Regular Service Intervals: 2008 VRSC Models”.
   a. Add checkmark (X) for engine oil and filter replacement at the 1000 mi (1600 km) service interval.
   b. Add the row for wheel spoke maintenance as shown on page 2 of this bulletin.
2. See Table 8-2, “Fuse Specifications”. For ABS fuse, change rating to 30.
3. See CLEANING AND INSPECTION under 2.27 REAR WHEEL. Correct step 3 to read “Inspect sprocket bearing. If bearing surface is rough or if bearing was leaking, replace sprocket bearing using REAR WHEEL-COMPENSATOR SPROCKET BEARING REMOVER/INSTALLER (HD-48921). See ISOLATED DRIVE SYSTEM instruction sheet (-J04467) for bearing replacement procedures.” Remove steps 3a, 3b, and 3c.

2008 Dyna Models Service Manual
(Part No. 99481-08)
1. Refer to Table 1-11. Remove “FXDC” from right column heading. Add “FXDC” to middle column heading (to read “FXDWG/FXD/FXDF/FXDC”).
2. See ASSEMBLY under 2.4 REAR WHEEL. Correct step 5 to read “Initially tighten screws to 60 ft-lbs (81.3 Nm). Back off screws and retighten to 80 ft-lbs (108.5 Nm).”

2008 Softail Models Service Manual
(Part No. 99482-08)
1. See ASSEMBLY under 2.4 REAR WHEEL. Correct step 3 to read “Initially tighten screws to 60 ft-lbs (81.3 Nm). Back off screws and retighten to 80 ft-lbs (108.5 Nm).”
2. See page VII under TORQUE VALUES. Replace “Belt sprocket screws” torque to read “60 ft-lbs, loosen, 80 ft-lbs / 81.3 Nm, loosen, 108.5 Nm”.

2008 Touring Models Service Manual
(Part No. 99483-08)
1. See ISOLATOR REPLACEMENT under 2.5 REAR WHEEL COMPENSATOR. In the ASSEMBLY instructions, correct step 1, item b to read “Alternately tighten hex screws to 60 ft-lbs (81.3 Nm) in the pattern shown in Figure 2-9.” Add step 1, item c to read “Back off hex screws and retighten to 80 ft-lbs (108.5 Nm) in an alternate pattern.”
2. See page XV under TORQUE VALUES. Replace “Isolator bowl hex screws” torque to read “60 ft-lbs, loosen, 80 ft-lbs / 81.3 Nm, loosen, 108.5 Nm”.

2008 Sportster Models Service Manual
(Part No. 99484-08)
1. Refer to Table 1-19. Correct Final drive / Rear sprocket mounting screws torque to read “60 ft-lbs, loosen, 80 ft-lbs / 81.3 Nm, loosen, 108.5 Nm”.
2. See REAR WHEEL under 2.3 WHEELS. In the ASSEMBLY instructions, correct step 3, item b to read “Initially tighten screws to 60 ft-lbs (81.3 Nm). Back off screws and retighten to 80 ft-lbs (108.5 Nm).”
3. See page XVII under TORQUE VALUES. Change “Sprocket (rear) mounting screw” torque to read “60 ft-lbs, loosen, 80 ft-lbs / 81.3 Nm, loosen, 108.5 Nm”.

IMPORTANT NOTE
In the interest of preserving customer safety and satisfaction, always check for outstanding recalls whenever any motorcycle is brought into your dealership for either maintenance or service.

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2008 FXDSE2 Models Service Manual Supplement (Part No. 99525-08)

1. See ASSEMBLY under 2.13 REAR WHEEL. Correct step 2, item b to read “Initially tighten screws to 60 ft-lbs (81.3 Nm). Back off screws and retighten to 80 ft-lbs (108.5 Nm).”

2. See page IV under TORQUE VALUES. Replace “Drive sprocket mounting screws” torque to read “60 ft-lbs, loosen, 80 ft-lbs / 81.3 Nm, loosen, 108.5 Nm”.

2008 FXSTSSE2 Models Service Manual Supplement (Part No. 99494-08)

1. See ASSEMBLY under 2.9 REAR WHEEL. Correct step 2 to read “Using new screws (3), install belt sprocket (3), if removed. Initially tighten screws to 60 ft-lbs (81.3 Nm). Back off screws and retighten to 80 ft-lbs (108.5 Nm).”

2. See page IV under TORQUE VALUES. Replace “Drive sprocket mounting screws” torque to read “60 ft-lbs, loosen, 80 ft-lbs / 81.3 Nm, loosen, 108.5 Nm”.

2008 Touring Models Electronic Diagnostics Manual (Part No. 99497-08)

1. In section 5.5 ADVANCED AUDIO SYSTEM SYMPTOMS, replace the flowchart titled “XM - No or Intermittent Reception: Symptom 16” with the flowchart on page 3 of this bulletin.

2. In section 6.12 DTC C1032, C1034, replace the flowchart titled “Wheel Speed Sensor Circuit Open or Shorted: DTC C1032, C1034 (3 of 4)” with the flowchart on page 4 of this bulletin.

2008 VRSC Models Owner’s Manual (Part No. 99736-08)

1. For manuals with a print date of 06/07 (shown on lower right corner of first page), refer to Table 29, “Regular Service Intervals: 2008 VRSC Models”. Add checkmark (X) for engine oil and filter replacement at the 1000 mi (1600 km) service interval.

2. For manuals with a print date of 06/07 or 12/07, refer to Table 29, “Regular Service Intervals: 2008 VRSC Models”. Add the row for wheel spoke maintenance as shown in the following table.

<table>
<thead>
<tr>
<th>ITEM SERVICED</th>
<th>PROCEDURE</th>
<th>1000 MI 1600 KM</th>
<th>5000 MI 8000 KM</th>
<th>10,000 MI 16,000 KM</th>
<th>15,000 MI 24,000 KM</th>
<th>20,000 MI 32,000 KM</th>
<th>25,000 MI 40,000 KM</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheel spokes (if so equipped)</td>
<td>Check tightness</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

2008 Sportster Models Owner’s Manual (Part No. 99468-08)

1. For manuals with a print date of 06/07 (shown on lower right corner of first page), refer to Table 14, “Capacities: 2008 Sportster XL 883 Models” and Table 15, “Capacities: 2008 Sportster XL 1200 Models”. For all models, change the “Oil tank with filter” capacity to 2.8 qt. (2.65 liters).

2. For manuals with a print date of 06/07, see CHANGING OIL AND FILTER in the MAINTENANCE AND LUBRICATION section. Under “Refilling Oil Tank”, step 1, change “3.6 U.S. quarts (3.4 liters)” to “2.8 U.S. quarts (2.65 liters)”.

2008 Softail Models Owner’s Manual (Part No. 99469-08)

Refer to Table 2. Change “FLSTSB Softail® X-Bones®” to “FLSTSB Softail® Cross Bones™”.

Table. Regular Service Intervals: 2008 VRSC Models

<table>
<thead>
<tr>
<th>ITEM SERVICED</th>
<th>PROCEDURE</th>
<th>1000 MI 1600 KM</th>
<th>5000 MI 8000 KM</th>
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<tbody>
<tr>
<td>Wheel spokes (if so equipped)</td>
<td>Check tightness</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>
XM - No or Intermittent Reception: Symptom 16

Antenna Located in “Open Area” with Line of Site to Southern Sky?

YES

Are Metal Objects Obstructing Properly Installed Antenna?

YES

With Ignition ON, Measure Voltage at XM Antenna Connector at Back of XM Module Between Center Contact and Radio Case. Does Voltage Equal 4.25-4.75V?

YES

With Ignition OFF, Measure Resistance of XM Antenna at XM Antenna Connector Between Center Contact and Cable Shield. Does Resistance Equal 35-55 Ohms?

YES

Replace XM Module.

NO

Replace XM Antenna.

NO

Relocate Vehicle and/or Properly Install Antenna.

Relocate Vehicle.

Confirm proper operation with no DTCs.

fc00560_en
Wheel Speed Sensor Circuit Open or Shorted:
DTC C1032, C1034 (3 of 4)

Continued from Wheel Speed Sensor Circuit Open or Shorted:
DTC C1032, C1034 (Part 1 of 4).
Connect ABS Breakout Box (HD-48642). Turn ignition switch on with the engine stop switch in the RUN position. Wait 10 seconds for ABS Module to complete initialization test. Measure voltage at connector [166B] terminals “7” at Breakout Box Is voltage below 0.5V?

YES

NO

STOP

Go to Wheel Speed Sensor Circuit Open or Shorted: DTC C1032, C1034 (Part 4 of 4).

1

Disconnect ABS Module from the Breakout Box. Test connector [166B] terminals “7” and “8” at Breakout Box for short to ground. Short to ground present?

YES

NO

Disconnect rear wheel speed sensor. Test connector [166B] terminals “7” and “8” at Breakout Box for short to ground. Short to ground present?

YES

NO

Repair short to ground in appropriate circuit.

Replace Rear Wheel Speed Sensor.

Disconnect rear wheel speed sensor. Test for an open between connector [166B] terminal “8” and connector [167B] terminal “A” Is an open present?

YES

NO

Repair open in rear wheel speed sensor high circuit.

Test for an open between connector [166B] terminal “7” and connector [167B] terminal “B” Is an open present?

YES

NO

Repair open in rear wheel speed sensor low circuit.

Replace Rear Wheel Speed Sensor.