SERVICE BULLETIN

M-1237A February 18, 2009

2009 SERVICE LITERATURE UPDATE

Reason for Revision

The reason for this bulletin revision is to inform dealers of a correction to 2009 VRSC Models Service Manual, Step 4 in the previous version of this bulletin. A correction has been added for the front axle pinch bolt torque values in the 2007 VRSC Models Service Manual and a revised year span has been identified for big twin oil pan bolts.

Purpose

The purpose of this literature update bulletin is to communicate updates and corrections for 2006 through 2009 model year service and owner's literature.

Motorcycles Affected

2006 through 2009 Touring and Dyna, 2007 VRSC models, 2009 VRSC, Softail, Dyna, Touring, Sportster, Tri-Glide, Police, FLHTCUSE4, and FLTRSE3 model motorcycles.

Required Dealer Action

Notify service personnel of service bulletin. Update all affected manuals.

2006-2009 Big Twin Oil Pan Bolts (Touring and Dyna Models)

Refer to Table 1. Oil pan bolt torque value has been revised for 2006-2009 Touring and Dyna models. The revised torque value is 132-156 **in-lbs** (14.9-17.6 Nm).

When re-using bolts, they should be installed using one or two drops of LOCTITE 243 on clean threads. **New** replacement bolts are coated with lock patch

Table 1. Service Manuals Affected

Model	Year	Section Affected
Touring	2006	7.8, TRANSMISSION CASE/OIL PAN, INSTALLATION, STEP 5.
	2007	7.7 TRANSMISSION CASE, INSTALLATION, STEP 6e.
	2008	3.29 OIL PAN, INSTALLATION, STEP 7.
	2009	3.30 OIL PAN, INSTALLATION, STEP 7.
DYNA	2006	3.31 OIL PAN, INSTALLATION, STEP 4.
	2007	3.30 OIL PAN, INSTALLATION, STEP 4.
	2008	3.29 OIL PAN, INSTALLATION, STEP 4.
	2009	3.30 OIL PAN, INSTALLATION, STEP 4.

2007 VRSC Models Service Manual (Part No. 99501-07)

See 2.31 FRONT WHEEL, INSTALLATION, Step 4. Front axle pinch bolt torque values should read as follows: 55-65 Nm (41-48 ft-lbs) for VRSCR models only and 15-25 Nm (133-221 **in-lbs**) all except VRSCR.

See 2.2 TORQUE VALUES. Front axle pinch bolt torques should be listed as follows: Front axle holder pinch bolts (all except VRSCR) 15-25 Nm (133-221 **in-lbs**) and front axle holder pinch bolts (VRSCR) 55-65 Nm (41-48 ft-lbs).

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.

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

2009 Predelivery and Setup Manual (Part No. 99947-09)

1. See 6.2 INITIAL ASSEMBLY, MIRROR/DIRECTIONAL ASSEMBLIES (VRSCF Only), Step 4. The torque value of item (3) should read, “11-13 Nm (97-115 **in-lbs**)”.
2. **Touring, Dyna, and Softail Models:** The transmission oil level check procedure during the predelivery process should be performed as follows on these models. During predelivery inspection, with motorcycle resting on jiffy stand, remove transmission dipstick and wipe clean. Thread dipstick into transmission case finger tight and then remove dipstick and verify oil level is between the ADD and FULL marks on the dipstick. Thread dipstick into transmission case and tighten when done.
3. MY2009 Predelivery and Set Up manual incorrectly lists Jiffy Stand Interlock information for domestic and HDI models. The correct listing is as follows:
   a. **FLT Police (domestic model)** utilizes the jiffy stand interlock switch.
   b. **Touring, VRSC, XL, Dyna, Softail (HDI Models)** utilize the jiffy stand interlock switch.
4. Correct predelivery literature as follows:
   - See DEALER ROAD TEST 2.8, SIDE STAND INTERLOCK TEST. The heading should also read, “FLT Police and HDI Only”.
   - See DEALER ROAD TEST 3.8, SIDE STAND INTERLOCK TEST. The heading should also read, “HDI Only”.
   - See DEALER ROAD TEST 4.8, SIDE STAND INTERLOCK TEST. The heading should also read, “HDI Only”.
   - See DEALER ROAD TEST 5.8, SIDE STAND INTERLOCK TEST. The heading should also read, “HDI Only”.
   - See DEALER ROAD TEST 6.9, SIDE STAND INTERLOCK TEST. The heading should also read, “HDI Only”.
5. Refer to Table 2-1. The mirror mounting locknut torque value was incorrectly listed at 96-144 ft-lbs. This should read, “96-144 **in-lbs**”.
6. Refer to Table 2-6. Tire Pressures: 2009 Touring Models. Front tire pressure for FL models is 36 psi (248 kPa), rear tire pressure is 40 psi (275 kPa), and sidecar tire pressure is 28 psi (193 kPa).
7. Refer to Table 8-4. Tri Glide front tire pressure is 36 psi (248 kPa) and rear tire pressure is 26 psi (179 kPa).

2009 VRSC Models Service Manual (Part No. 99501-09)

1. See 2.40 REAR FENDER: ALL EXCEPT VRSCF, INSTALLATION, Step 2. The rear shock absorber torque value was incorrectly listed at 115-125 Nm (85-92 ft-lbs). The correct torque value for these fasteners is 41-68 Nm (31-50 ft-lbs).
2. See 7.16 TURN SIGNALS: VRSCF, TURN SIGNAL REPLACEMENT, FRONT TURN SIGNALS, Step 12. The torque value in Step 12 should read, “11-13 Nm (97-115 **in-lbs**)”.
3. See 3.11 ENGINE BOTTOM END SERVICE, CRANKSHAFT, PISTON AND CYLINDER LINER REMOVAL/INSTALLATION, Step 24. An updated primary gear bolt torque value has been established for VRSC models. The revised torque value is 15 Nm (132.6 **in-lbs**) + 60 degrees.
4. Refer to Table 3-6. The measurements only for items labeled, “spring force installed” and “maximally compressed (intake and exhaust)” should call out kilograms and pounds rather than millimeters and inches. This correction should be applied to the model year 2008 service manual as well.
5. See 2.32 FRONT FORK: ALL EXCEPT VRSCF, INSTALLATION, Figure 2-106. The figure illustration incorrectly shows the areas to measure fork protrusion. The correct areas to measure fork tube protrusion are shown in Figure 1, below.

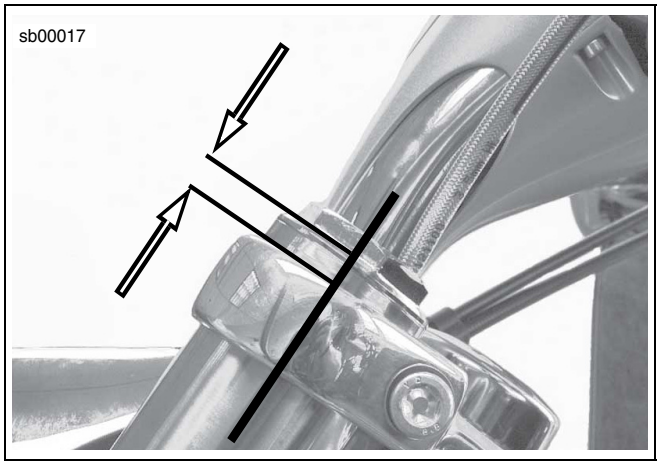

Figure 1. Measure Fork Protrusion

2009 Softail Models Service Manual (Part No. 99482-09)

1. See 2.37 REAR FENDER: FXCW/FXCWC, Figure 2-131 and 7.18 TURN SIGNALS AND RUNNING LIGHTS, Figure 7-52 (FXCW/C). These illustrations incorrectly show washers being used during license plate bracket installation. The license plate bracket (with tail lamp for HDI) is installed using only screws.
2. Refer to Table 2-8. Item 8, (model year) incorrectly reads, 8 = 2009. This should read, “9 = 2009”. See Section 7.26 SPEEDOMETER: ALL BUT FXCW/C, INSTALLATION, Step 6. The torque value on the instrument console acorn nut has changed on all Softail models (except FXCW/C) from 14-18 ft-lbs (19-24.4 Nm) to 84-132 **in-lbs** (9.5-14.9 Nm). This change covers 2007 and later Softail motorcycles.

2009 Dyna Models Service Manual (Part No. 99481-09)

1. See 7.8 IGNITION SWITCH/FORK LOCK, INSTALLATION, Step 8. A torque value of 120-150 **in-lbs** (13.6-17.0 Nm) has been established for the fork lock/ignition switch installation.

2009 Touring Models Service Manual (Part No. 99483-09)

1. See 1.16 BLEEDING BRAKES, PROCEDURE. Revise Step 12 to read as follows: “Verify gasket and sealing surfaces are free of debris and that the cover is installed

with the vent holes facing the rear. Install and tighten screws as follows."

2. See 1.16 BLEEDING BRAKES, PROCEDURE, Step 12a. Front master cylinder reservoir torque value should read, "10-12 **in-lbs** (1.1-1.4 Nm)".

3. See 2.25 CLUTCH CABLE, INSTALLATION, Step 4. Handlebar clamp to clutch lever bracket screw torque should be, 72-108 **in-lbs** (8.1-11.8 Nm).

4. See 7.9 STARTER, INSTALLATION, Step 4. Starter mounting screw torque is incorrectly listed and should read, "25-27 ft-lbs (33.9-36.6 Nm)".

5. See WIRING DIAGRAM LIST. The first five wiring harness titles were incorrectly listed in the service manual. Refer to Table 2 below for correct wiring harness titles.

Table 2 Correct Wiring Harness Titles for Wiring Diagram List

Harness Type	Models	Page Number
Main Harness (1 of 5)	2009 FLHT, FLHX, FLHTC, FLHTCU,&FLTR Domestic and International Models	B-18
Main Harness (2 of 5)	2009 FLHT, FLHX, FLHTC, FLHTCU, & FLTR Domestic and International Models	B-19
Main Harness (3 of 5)	2009 FLHR & FLHRC Domestic and International Models	B-20
Main Harness (4 of 5)	2009 FLHR & FLHRC Domestic and International Models with ABS	B-21
Main Harness (5 of 5)	2009 All Domestic and International Models	B-22

2009 FLHTCUTG Tri Glide Service Manual (Part No. 99601-09)

1. See 7.15 REVERSE MOTOR SYSTEM DIAGNOSTICS. Figure 7-42 has terminals 1 and 2 reversed for connector 247. The wire color in terminal 1 is Blue (BE) and the wire color in terminal 2 is White (W). The wiring diagram in Appendix A is correct.

2. See 2.14 LATERAL ALIGNMENT. After Step 4, a step should be added to remove right panhard rod bolt at axle pinch block.

3. See 2.14 LATERAL ALIGNMENT. After Step 9, a step should be added to adjust panhard rod according to 2.17 PANHARD ROD, ADJUSTMENT procedure.

2009 Softail Models Parts Book (Part No. 99455-09A)

See REAR FENDER & LICENSE PLATE ASSEMBLY - FXCW & FXCWC. The parts book incorrectly calls out the washers (item 7). The license plate bracket is retained using only screws.

2009 Harley-Davidson Job Time/ Code Manual (Part No. 99997-09) Softail Springer FLSTSB Model Section

See ENGINE Section for Softail Springer FLSTSB Model. Job Time/Code contents were not complete and a revised edition of this section has been posted to h-dnet.com.

2009 FLHTCUTG Tri Glide Owner's Manual (Part No. 83390-09)

1. See OPERATION, ENGINE IDLE TEMPERATURE MANAGEMENT SYSTEM. After the first paragraph, the following text should be added: "EITMS can be enabled or disabled by the rider. **Enabled** - The EITMS engine cooling feature will automatically activate whenever the vehicle comes to a complete stop and is idling during elevated temperature conditions. Even with the feature enabled, it may not activate under cool driving conditions. **Disabled** - The EITMS feature is not active under any conditions."

2. See OPERATION, ENGINE IDLE TEMPERATURE MANAGEMENT SYSTEM. After Step 3, add the following NOTE:

NOTE

A flashing lamp indicates the EITMS setting. A solid (non-flashing) lamp indicates the cruise control setting.

3. See OPERATION, ENGINE IDLE TEMPERATURE MANAGEMENT SYSTEM. After Step 4, add the following NOTE:

NOTE

The EITMS setting will remain in effect until it is changed by the rider or dealer. It does not have to be reconfigured at each startup.

2009 VRSC Models Owner's Manual (Part No. 99736-09)

1. See MIRRORS, VRSCF MODEL, Step 4. Torque value should read, "8-9 Nm (71-80 **in-lbs**)".

2. Refer to Table 7. Oil capacity **with** filter should read, "5.0 qt. (4.7 liters)".

2009 Touring Models Owner's Manual (Part No. 99466-09)

1. Refer to Table 32. Belt deflection for "other models" should be 3/8-7/16 in. (9.5-11.1 mm).
2. See OPERATION, ENGINE IDLE TEMPERATURE MANAGEMENT SYSTEM. After the first paragraph, the following text should be added: "EITMS can be enabled or disabled by the rider. **Enabled** - The EITMS engine cooling feature will automatically activate whenever the vehicle comes to a complete stop and is idling during elevated temperature conditions. Even with the feature enabled, it may not activate under cool driving conditions. **Disabled** - The EITMS feature is not active under any conditions."
3. See OPERATION, ENGINE IDLE TEMPERATURE MANAGEMENT SYSTEM. After Step 3, add the following NOTE:

NOTE

A flashing lamp indicates the EITMS setting. A solid (non-flashing) lamp indicates the cruise control setting.

4. See OPERATION, ENGINE IDLE TEMPERATURE MANAGEMENT SYSTEM. After Step 4, add the following NOTE:

NOTE

The EITMS setting will remain in effect until it is changed by the rider or dealer. It does not have to be reconfigured at each startup.

2009 Police Models Owner's Manual (Part No. 99478-09)

Refer to Table 23. Belt deflection should read, "3/8-7/16 in. (9.5-11.1 mm)".

2009 FLHTCUSE4 Model Owner's Manual (Part No. 99738-09)

See MAINTENANCE AND LUBRICATION, REAR DRIVE BELT. In the third paragraph, belt deflection should read, "3/8-7/16 in. (9.5-11.1 mm)".

2009 FLTRSE3 Model Owner's Manual (Part No. 99577-09)

See MAINTENANCE AND LUBRICATION, REAR DRIVE BELT. In the third paragraph, belt deflection should read, "3/8-7/16 in. (9.5-11.1 mm)".