

SERVICE BULLETIN



B-070

February 12, 2008

BUELL 1125R ENGINE OIL CHECK

Purpose

A number of revisions have been made to the engine oil check procedure and engine oil capacity for 2008 Buell 1125R model motorcycles.

Motorcycles Affected

All 2008 Buell 1125R model motorcycles.

Required Dealer Action

The oil check procedure and capacity information in the attachment supersedes all other information published before the date of this bulletin. A summary of the updates reflected in the attachment include:

- New cold oil check procedure.
- Revised hot oil check procedure.
- Changed engine oil capacity.
- Updated dipstick photo and illustration.
- Correction for oil level range markings on dipstick.

Print copies of the attached supplement to insert in owner's manuals for all 1125R vehicles in your inventory prior to customer delivery.

Updates for the service manual maintenance section and the predelivery and set-up instructions will be made available on h-dnet. Update any other existing documentation at your dealership as necessary.

Customer Notification

Current owners of 2008 Buell 1125R model motorcycles on record will receive a customer letter with the attached supplement to include in their owner's manual. Inform customers of these changes as necessary.

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	SALES MANAGER	PARTS MANAGER	WARRANTY PROCESS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO.1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	RETURN THIS TO
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BUELL 1125R ENGINE OIL CHECK SUPPLEMENT

Engine Oil Check Procedure

An accurate engine oil level reading can be obtained with the engine cold or at normal operating temperature. The engine will require a longer warm up period in colder temperatures if using the hot check procedure.

NOTES

- As part of the pre-ride inspection, verify that there are no oil leaks from the oil filter cover or oil lines prior to operating the motorcycle.
- The motorcycle should be upright when checking oil level.
- Refer to Table 2. Use only recommended oil specified.

CAUTION

Do not allow oil level to fall below MIN mark on dipstick. Doing so can result in equipment damage and/or equipment malfunction. (00573b)

CAUTION

Do not overfill oil tank. Doing so can result in oil carry-over to the air cleaner leading to equipment damage and/or equipment malfunction. (00190a)

CAUTION

Do not switch lubricant brands indiscriminately because some lubricants interact chemically when mixed. Use of inferior lubricants can damage the engine. (00184a)

Oil Level Cold Check

Perform engine oil **COLD CHECK** as follows:

NOTE

For an accurate cold check, you must wait a minimum of four hours after the motorcycle has been run.

1. See Figure 1. Loosen the dipstick.
2. Hold the motorcycle upright for one minute.
3. While continuing to hold the motorcycle upright, remove and wipe off the dipstick.
4. Insert dipstick into oil filler hole, screwing dipstick in completely.
5. See Figure 2. Unscrew and remove dipstick and note oil level. An indicated oil level between MIN and MAX is acceptable for safe engine operation. Oil should be added in 3.4 fl. oz. (0.1 L) increments, depending on how far the level is from the MAX reading. If oil was added, proceed to the Oil Level Hot Check procedure.

Oil Level Hot Check

Perform engine oil **HOT CHECK** as follows:

1. Ride motorcycle for approximately 10 minutes. Ride at least 5 miles (8 kilometers) to ensure the oil is hot and the engine is at normal operating temperature. Readings taken with colder oil could lead to an overfull engine condition.
2. Stand the motorcycle upright (not leaning on sidestand) on a firm level surface. An uneven surface will produce a false oil reading.
3. Idle the motorcycle for three minutes. Shut off the motorcycle.
4. See Figure 1. Loosen the dipstick.
5. Wait for 3-4 minutes after shutdown (with vehicle still upright) before reading the oil level, or false readings may result.
6. Unscrew and remove dipstick from oil filler hole. Wipe dipstick clean.
7. Insert dipstick into oil filler hole, screwing dipstick in completely.
8. See Figure 2. Unscrew and remove dipstick and note oil level. An indicated oil level between MIN and MAX (measured after performing steps 1 through 7) is acceptable for safe engine operation. Oil should be added in 3.4 fl. oz. (0.1 L) increments, depending on how far the level is from the MAX reading. Confirm oil level by repeating steps 1 through 8.

NOTE

If the oil level is at (or above) the OVERFULL mark, drain oil at 6.8 fl. oz. (0.2 L) increments until the oil level is between the MIN and MAX marks on the dipstick. Repeat steps 1 through 8 to confirm proper level.

9. Hand tighten dipstick into oil filler hole.

Table 1. Engine Oil Capacities

ITEM	U.S.	LITERS
Engine oil (including oil filter)	2.7 qt.	2.6
Engine oil (not including oil filter)	2.4 qt.	2.3

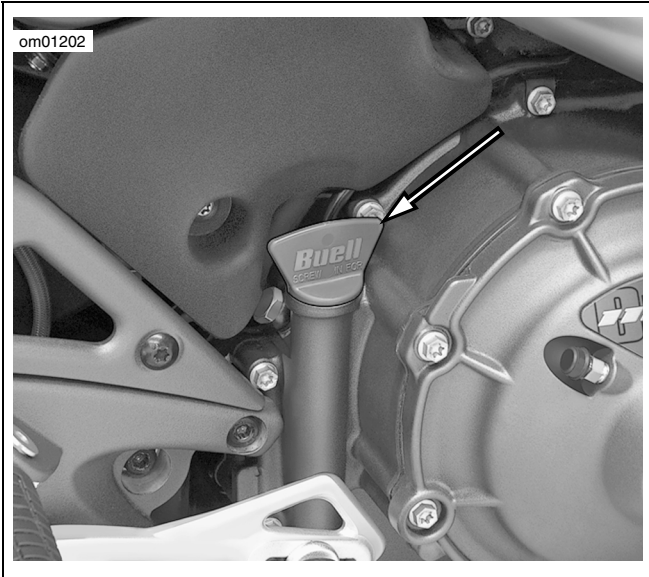
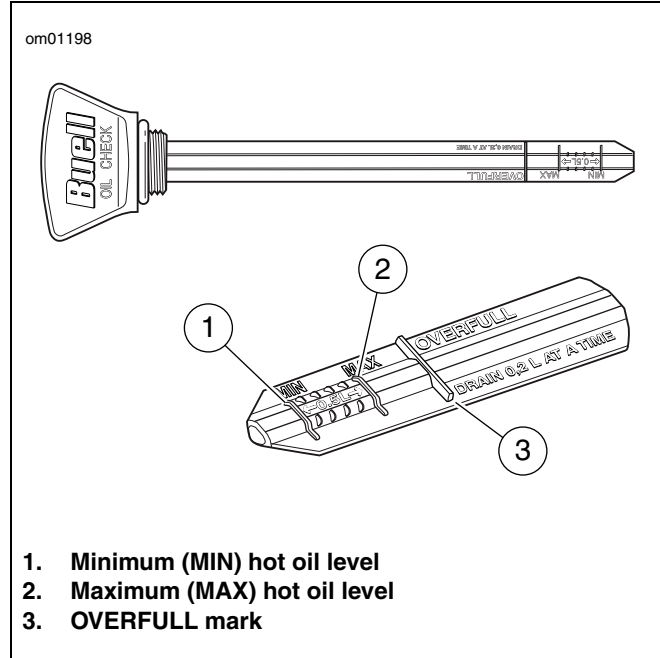


Figure 1. Filler Plug/Dipstick Location



1. Minimum (MIN) hot oil level
2. Maximum (MAX) hot oil level
3. OVERFULL mark

Figure 2. Oil Dipstick Proper Operating Range

NOTE

The actual range between MIN and MAX on the dipstick is **8.5 fl. oz. (0.25 L)**, not 17.0 fl. oz. (0.5 L) as currently shown on the dipstick markings.

Table 2. Recommended Engine Oils

H-D TYPE	VISCOSITY	H-D RATING	LOWEST AMBIENT TEMPERATURE	COLD WEATHER STARTS BELOW 50° F (10° C)
Screamin' Eagle SYN3 Synthetic Motorcycle Lubricant	SAE 20W50	HD 360	Above 40° F (4° C)	Excellent
H-D Multi-grade	SAE 10W40	HD 360	Below 40° F (4° C)	Excellent
H-D Multi-grade	SAE 20W50	HD 360	Above 40° F (4° C)	Good