

MAINTENANCE PROCEDURES

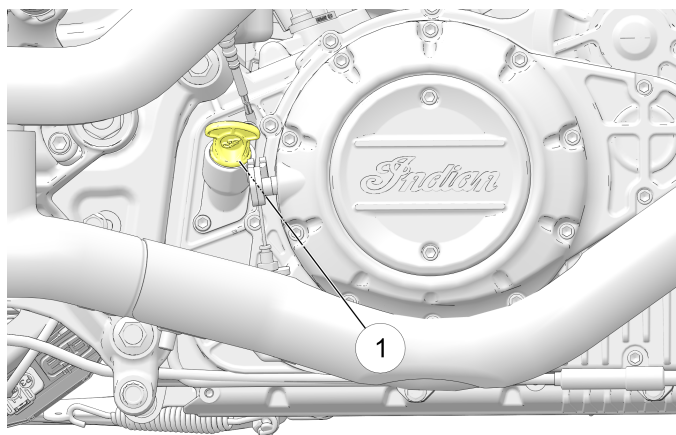
ENGINE OIL LEVEL CHECK

With the semi-dry sump lubrication system, the engine oil level on the dipstick will fluctuate, depending on the motorcycle's position and engine speed when the engine is turned off. To ensure a proper reading of the engine oil level, follow all inspection procedures closely.

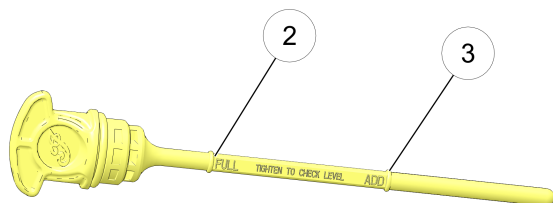
NOTICE

Engine **MUST BE AT FULL OPERATING TEMPERATURE** when checking oil level.

1. With the motorcycle in an upright (vertical) position, run the engine for 30 seconds.
2. Stop engine.
3. Place the machine on a level area and hold it in an upright (centered) position.
4. Remove the engine oil dipstick ① and clean off the engine oil.



5. Reinsert the dipstick and thread in until fully seated.
6. Remove the dipstick and check that the oil level is between the ADD ③ and FULL lines ②.



7. Oil level should be between the ADD and FULL lines on dipstick. If oil level is low, add Indian Motorcycle 15W60 Full Synthetic engine oil and repeat steps 3 - 6 until the reading is within the safe operation range.

CAUTION

Oil level will **NOT** be accurate if checked on a cold engine. **DO NOT ADD** oil to bring to FULL mark on a cold engine, as this can result in overfilling.

Do not overfill! The approximate volume between the FULL ② and ADD ③ marks on the dipstick is 16 oz. (.45 L).

ENGINE OIL & FILTER CHANGE

NOTE

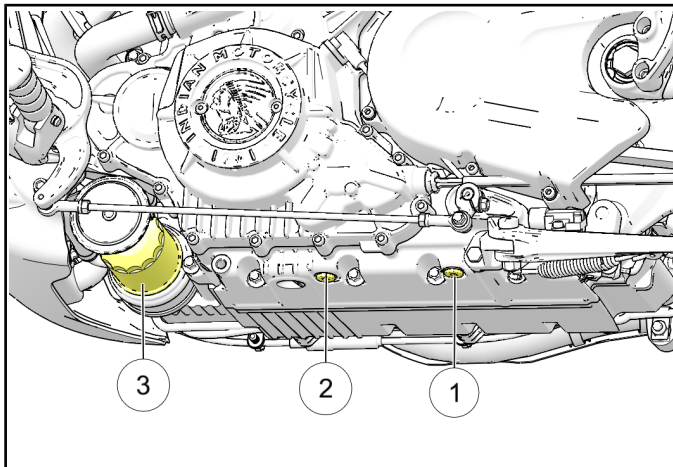
Engine **MUST BE WARMED** before performing the following procedure.

CAUTION

HOT COMPONENTS

Wear insulated gloves and use caution handling these parts.

1. Run engine until warm, then turn engine off.
2. Securely support the motorcycle in a vertical “centered” position.
3. Place an oil drain pan under the engine oil drain plugs ① and ②.



4. Remove the drain plugs and sealing washers.
5. Allow oil to drain completely. Dispose of oil properly.
6. Remove oil filter ③ and allow oil to drain. Dispose of oil filter properly.
7. Clean the engine oil filter mount sealing surface and surrounding area.
8. Place a small amount of oil on the new oil filter seal and spin filter on until the filter seal contacts the sealing surface. Tighten oil filter to specification.

TORQUE

Oil Filter:
115 in-lbs (13 Nm) or approximately 3/4 to 1 full turn after seal contacts the filter mount sealing surface.

9. Use new sealing washers and reinstall the drain plugs. Torque to specification.

TORQUE

Engine Oil Drain Plug:
15 ft-lbs (20 Nm)

10. Use a funnel to add 3 US quarts (2.8 Liters) of Indian Motorcycle 15W60 Full Synthetic engine oil through the engine oil dipstick hole.

NOTE

3 US quarts will bring the engine oil level at or near the “FULL” mark on the dipstick. For a new or rebuilt (dry) engine add an additional .5 US quart (.47 Liters).

11. Securely support the motorcycle in a vertical “centered” position, idle engine for approximately 30 seconds.
12. Remove oil dipstick and wipe clean, then reinsert and fully tighten dipstick. Remove dipstick and read the engine oil level. Add engine oil as required to bring oil level to the dipstick full mark. **DO NOT OVERFILL!**

IMPORTANT

Total engine oil fill volume with oil filter change will be approximately 3.0 - 4.0 US quarts (2.8 - 3.8 Liters). Total engine oil fill volume with a new or rebuilt (dry) engine will be approximately 4.5 quarts (4.25 Liters).

13. Refer to the Checking Engine Oil section in this chapter for setting proper oil level.

NOTE

If the low oil pressure indicator remains illuminated longer than usual after an oil change, do not increase RPM above idle until indicator lamp goes out or engine may be damaged.

14. Check for leaks around drain plug and oil filter.

NOTE

Recycle used oil and oil filter in accordance with local regulations.