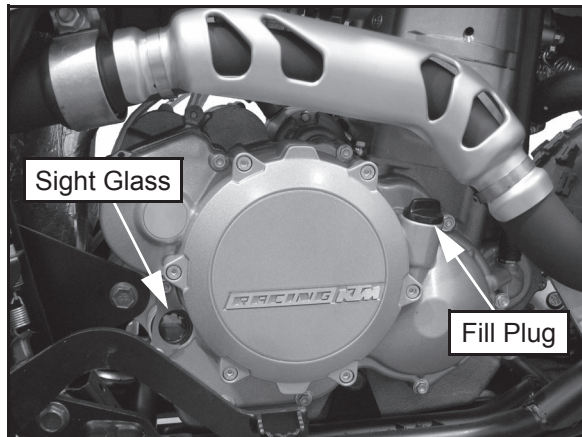


ENGINE AND TRANSMISSION

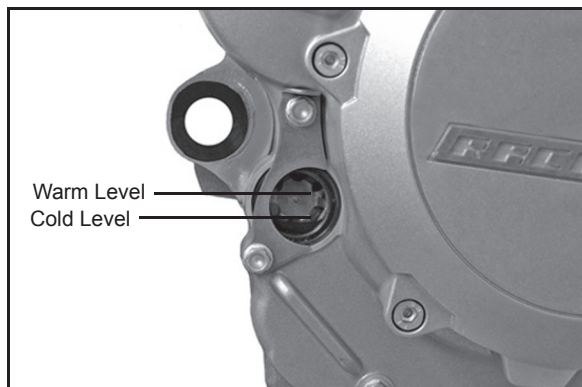
Engine Oil Level

Check the oil level before each use of the ATV. If the engine is cold, the oil level should be visible at the lower edge of the sight glass. If the engine is warm, the oil level should be visible in the middle of the sight glass.



1. Position the ATV on a level surface.
2. View the oil level through the sight glass on the right side of the ATV.

NOTE: It is very important to maintain the proper engine oil level. High oil levels can cause excessive engine operating temperatures, which may lead to engine overheating. Engine damage may result.



3. Remove the fill plug and add the recommended oil as needed.
4. Reinstall the fill plug.

Engine Oil and Filter Service

IMPORTANT: Polaris PS-4 Plus (2W-50 Synthetic) engine oil is recommended for use in the KTM engine. This engine oil was specifically designed for the KTM engine and clutching system. Other oils do not contain the needed additives to prolong engine life and provide proper lubrication to the KTM clutch and transmission components.

⚠ CAUTION

Mixing brands or using a non-recommended oil may cause serious engine damage. Always use the recommended engine oil. Never mix brands.

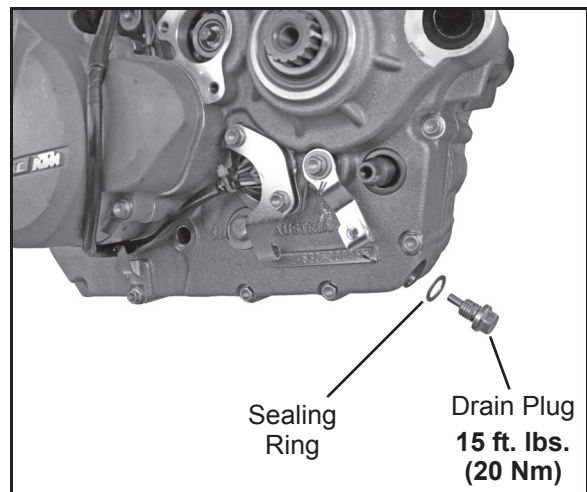
IMPORTANT: Always change both oil filters and clean both oil screens whenever changing oil.

1. Position the ATV on a level surface.
2. Start the engine. Allow it to idle for two to three minutes until warm, then stop the engine.
3. Clean the area around the crankcase drain plug with clean shop towels.

⚠ WARNING

Hot oil can cause serious burns to the skin. Do not allow hot oil to contact skin.

4. Place a drain pan beneath the crankcase and remove the drain plug.



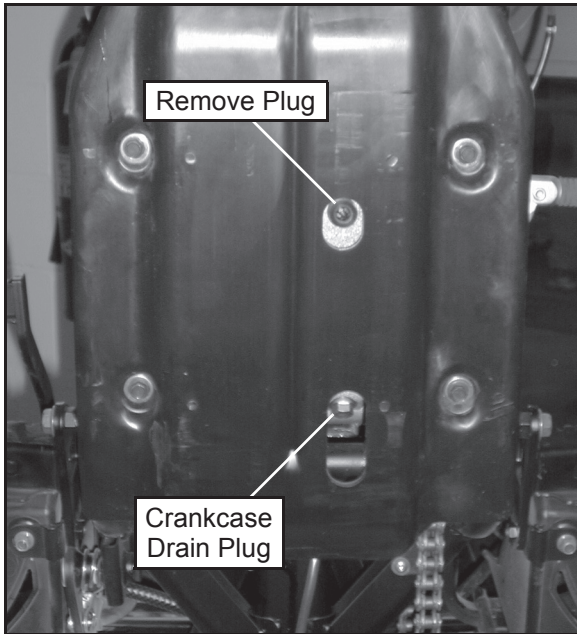
5. Allow the oil to drain completely.
6. Clean the crankcase sealing surface and the drain plug (with magnet) thoroughly.

NOTE: The sealing surface on the drain plug and crankcase should be clean and free of burrs, nicks or scratches.

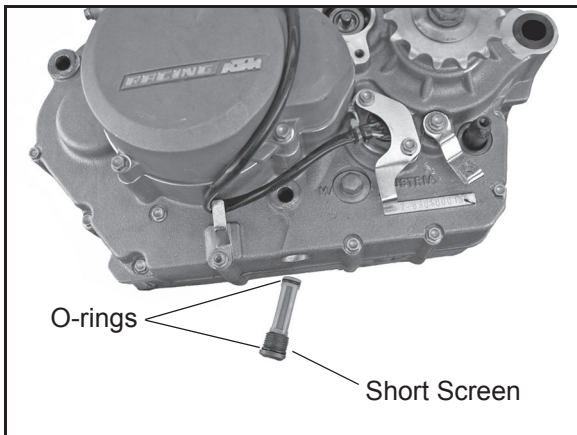
7. Replace the sealing ring and reinstall the drain plug. Torque to **15 ft. lbs. (20 Nm)**.

Cleaning the Short Oil Screen

8. Strike the head of the oil screen plug with a suitable hammer before you attempt to remove it. This “shocks” the threads of the plug and makes it easier to remove.
9. Remove the plug at the bottom of the engine. See illustration below:



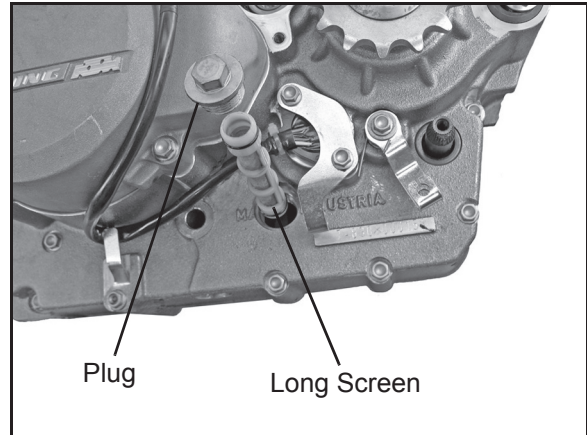
10. Remove the short oil screen. Clean the screen thoroughly and blow clean with low pressure, compressed air.



11. Check the O-rings. If damaged, install new O-rings.
12. Reinstall the screen to the plug.
13. Lubricate the threads and reinstall the plug. Torque to **7.5 ft. lbs. (10 Nm)**.

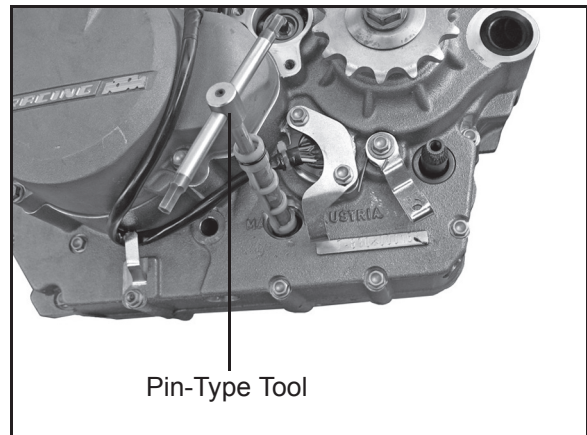
Cleaning the Long Oil Screen

14. Remove the long screen plug, located on the left side of the engine near the engine serial number.



15. Remove the oil screen. Clean the screen thoroughly and blow clean with low pressure compressed air.
16. Check the O-rings. If damaged, install new O-rings.
17. Place the long oil screen on a pin-type wrench or long screwdriver of about 12 inches (300 mm) in length.

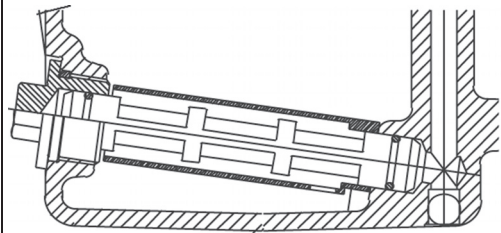
NOTE: The large opening of the oil screen should face in towards the inner case.



18. Insert the tool through the opening and into the bore of the opposite engine casing wall. Push the oil screen into the casing as far as possible. Remove the tool.

CAUTION

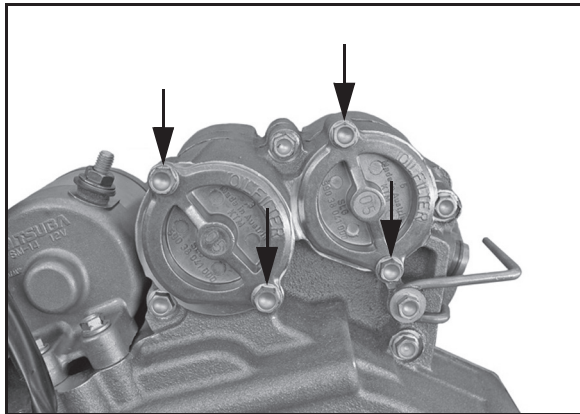
The oil screen is mounted slightly downward in the crankcase. If installed incorrectly, the screen will not function properly and can lead to increased engine wear.



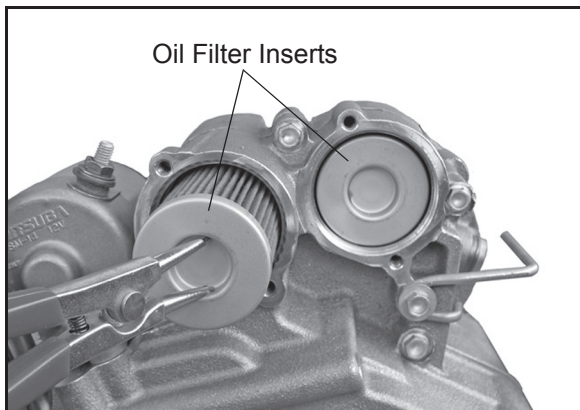
19. Reinstall the plug. Torque to **11 ft. lbs. (15 Nm)**.

Changing Oil Filters

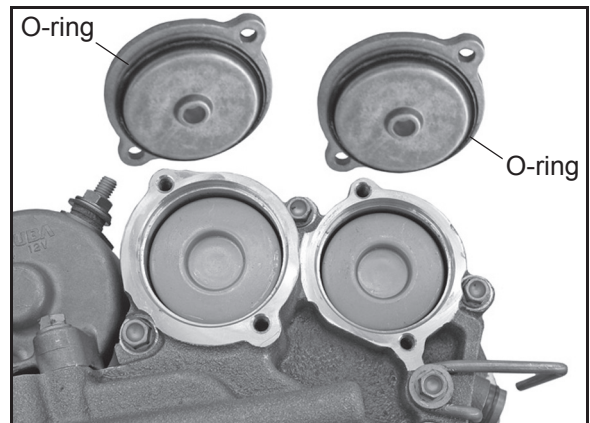
20. Place a drain pan under the engine.
21. Remove the (4) oil filter screws and remove the covers.



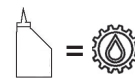
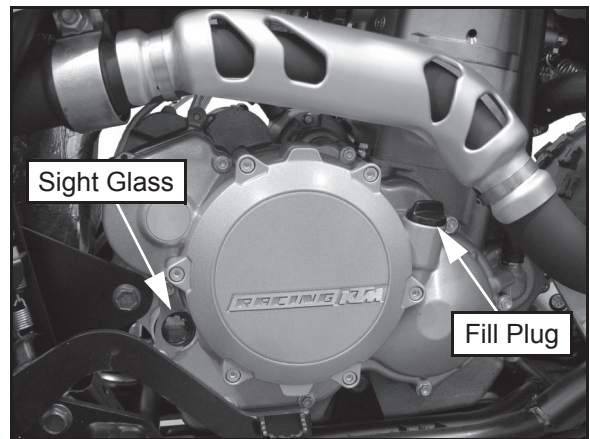
22. Using a circlip or snap ring pliers, pull the oil filter inserts out of the engine case.



23. Thoroughly clean the engine casing, filter covers and O-ring sealing surfaces. Replace the filter cover O-rings.



24. Soak new oil filters in fresh engine oil before installation.
25. Install new oil filters. Insert the long oil filter in the front and the short oil filter in the rear of the housing.
26. Lubricate the filter cover O-rings with engine oil and install both covers. Torque to cover screws to **54 in. lbs. (6 Nm)**.
27. Remove the fill plug and add 1.7 quarts (1.6 liters) of the recommended engine oil. Reinstall the fill plug.



**Polaris PS-4 Plus 2W-50 Synthetic Engine Oil
1.7 Qts (1.6 Liters)**

28. Start the engine and allow it to idle for at least one minute to fully distribute the new oil. Stop the engine.
29. Check for leaks at all threaded connections and at the oil filter covers.
30. View the oil level in the sight glass. Correct the oil level if necessary.