

## MAINTENANCE

### ENGINE MAINTENANCE

#### ENGINE OIL LEVEL

This engine has a wet-sump design, meaning the engine oil is contained in the bottom of the crankcase. To check the oil level, follow the procedure listed below:

#### FLUID CAPACITY

**Recommended Engine Oil:**

**Capacity: 2.5 Qt (2.4 L)**

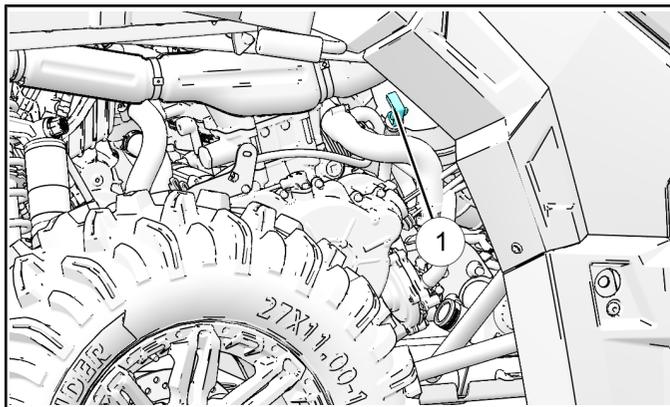
**PS-4 5W-50 Full Synthetic**

*Ambient Temp Range: -35° F to 100° F*

**PS-4 10W-40 Extreme Duty Full Synthetic**

*Ambient Temp Range: 0° F to 120° F*

1. Position vehicle on a level surface and place the transmission in PARK.
2. Stop the engine and allow it to cool down before removing the dipstick.
3. Unlock the dipstick lever ① on the right side of the engine through the RH rear wheel opening. Remove the dipstick and wipe it dry with a clean cloth.



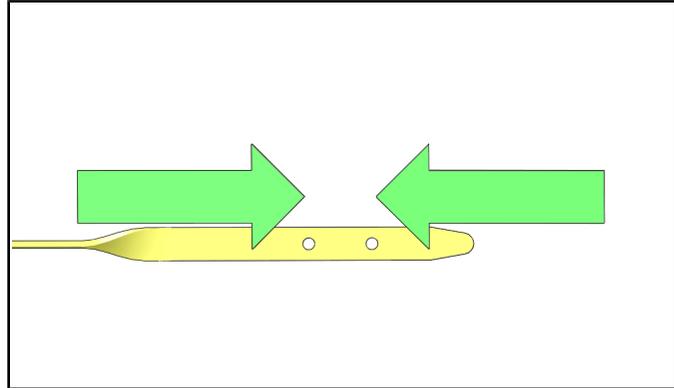
4. Reinstall the dipstick and push it into place. Do not lock the dipstick.

#### NOTE

Make certain the dipstick is inserted all the way into the dipstick tube to keep the depth of the dipstick consistent.

5. Remove the dipstick and check the oil level.

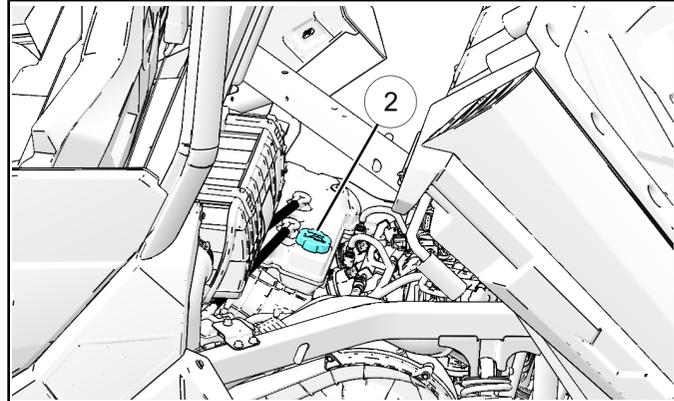
6. Add the recommended oil as necessary to bring the oil level within the SAFE range on dipstick. Do not overfill (see NOTE below).



#### NOTE

A rising oil level between checks during cold weather operation can indicate contaminants such as gas or moisture collecting in the crankcase. If the oil level is over the upper mark, change the oil immediately.

7. Raise the cargo box. Add engine oil through the oil fill cap ② located on top of the valve cover, under the cargo box.



8. When finished, reinstall dipstick and lock the lever. Lower the cargo box and secure in position.

## ENGINE OIL AND FILTER CHANGE

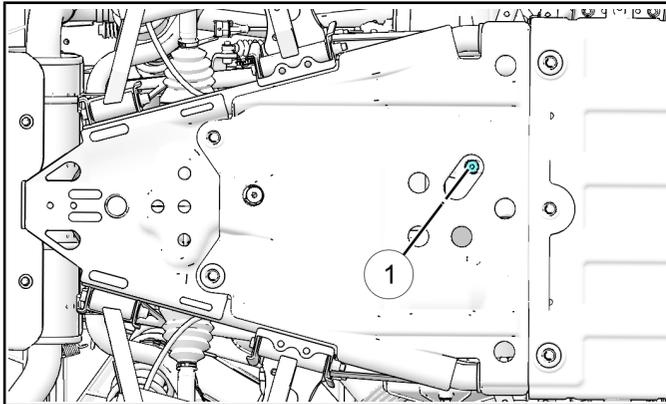
Always change engine oil and filter at the intervals outlined in the Periodic Maintenance Chart. Always change the oil filter whenever changing the engine oil.

1. Position vehicle on a level surface and place the transmission in PARK.
2. Stop the engine and allow it to cool down.
3. Clean the area around the crankcase drain plug.

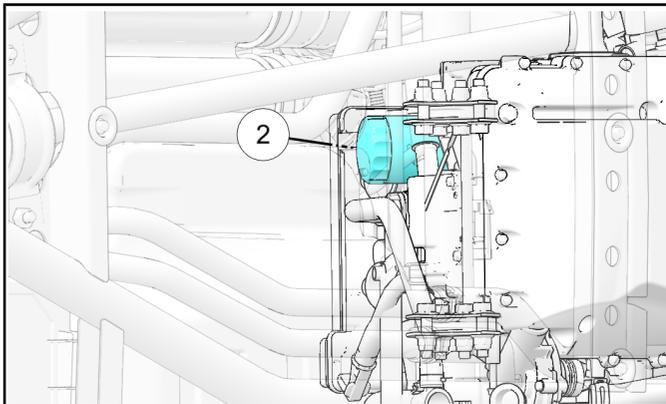
### CAUTION

Use caution when performing this procedure. Do not allow hot engine oil to come into contact with skin, as serious burns may result.

4. Place a drain pan under the engine crankcase and remove the drain plug ①. Allow the oil to drain completely.



5. Using the Oil Filter Wrench (**PU-50105**) from the passenger side of the vehicle, turn the oil filter ② counter-clockwise to remove it.



6. Using a clean dry cloth, clean the filter sealing surface on the engine crankcase.
7. Lubricate the O-ring on the new oil filter with a film of fresh engine oil. Check to make sure the O-ring is in good condition. Install the oil filter.

### TORQUE

#### Oil Filter Torque:

Turn by hand until filter O-ring contacts sealing surface, then turn an additional 3/4 turn.

8. Replace the sealing washer on drain plug.

### NOTE

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

9. Reinstall the engine crankcase drain plug. Torque drain plug to specification.

### TORQUE

**Crankcase Drain Plug:**  
12 lb-ft (16 Nm)

10. Remove oil fill cap. Fill engine with recommended engine oil.

### FLUID CAPACITY

**Recommended Engine Oil:**  
Capacity: 2.5 Qt (2.4 L)

**PS-4 5W-50 Full Synthetic**

*Ambient Temp Range: -35° F to 100° F*

**PS-4 10W-40 Extreme Duty Full Synthetic**

*Ambient Temp Range: 0° F to 120° F*

11. Verify the transmission is still in PARK.
12. Start the engine and allow it to idle for 30 seconds.
13. Stop the engine and inspect for oil leaks. Wait at least 15 seconds before removing the dipstick.
14. Ensure oil level is within SAFE range on dipstick. Refer to “**Engine Oil Level**” procedure.
15. Reinstall the skid plates. Refer to “**Front Body Component Installation**” procedure.
16. Dispose of used oil and filter properly.