

BIGHORN

Denali Break in, Maintenance, and Engine Oil Recommendations

Applicable Models: All Bighorn Denali 650 and 1000 side by side UTVs

During the 25 hour initial break in period, avoid fast acceleration, operating at sustained high speeds, carrying heavy loads or towing a trailer.

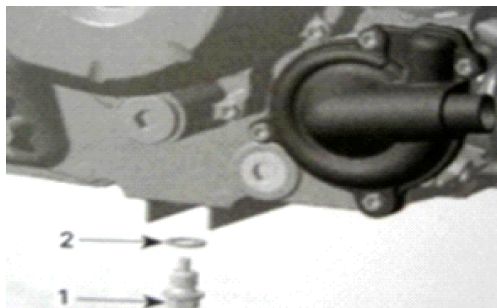
Oil Change Information:

Engine oil must be changed in accordance with these recommendations. Following engine oil service guidelines is required for engine warranties to be valid. Failure to adhere to the information outlined in this bulletin may result in excessive wear and damage to engine components.

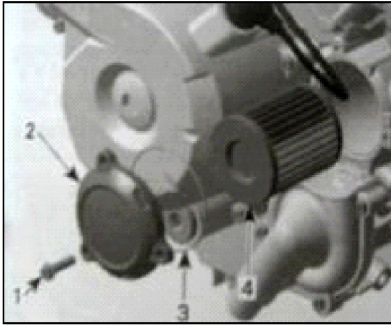
- Please perform the first oil change after initial 25 hours or 200 miles of use
- Oil changes thereafter may be performed every 50 hours, 500 miles or 3 months
- Refer to the chart below for the correct engine oil grade to use depending on the average ambient temperature / operating conditions
- After the initial break in period, we recommend synthetic oil for oil changes, be sure to continue to use synthetic oil during services regardless of engine oil grade

Procedure:

1. Start the engine and allow it to warm up at idle for 1-2 minutes. Shut off the engine.
2. Place a drain pan under the engine, remove the oil drain plug and allow the oil to drain for 10 minutes.

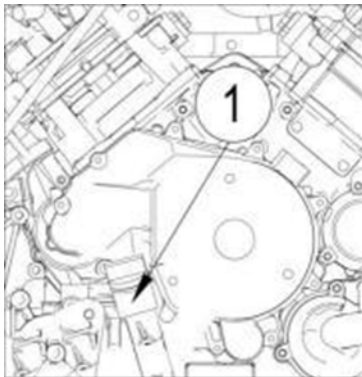


3. There is a cartridge type oil filter positioned on the right side front corner of the engine. It should be replaced with each oil change. The Bighorn part number is **21040111601** for the filter and **21040116901** for the cover o-ring seal.



We do not recommend using aftermarket filters due to variations in the dimensions, and position of seals.

4. Tighten the drain plug and refill the engine with the new engine oil. The oil change will require 2.3 quarts of oil.
5. Oil level should always be measured with the dipstick screwed in, to the proper position.



Engine Oil Recommendations

For most applications, we recommend using **5 W 30 or 10 W 30 full synthetic oil** in the engine. These oils provide superior lubrication of the piston, rings and cylinder under a wide range of operating conditions.

When operating in extreme hot or cold environments you may want to select one of the following options.

- For operating conditions where ambient temperatures are consistently **above 90 degrees F, upgrade to a 10 W 40 full synthetic oil.**
- For operating conditions where ambient temperatures are consistently **below 0 degrees F, upgrade to a 0 W 20 full synthetic oil.**

Oils specifically designed for use in ATVs, CUVs, and other off road powersport vehicles are specially formulated to provide easy starting and high lubricity in the harshest operating conditions.

If you choose to use **conventional petroleum based motor oils**, follow these recommendations:

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When operating in extreme hot or cold environments you may want to select one of the following options.

- For operating conditions where ambient temperatures are consistently **above 90 degrees F, upgrade to a 10 W 40 oil.**
- For operating conditions where ambient temperatures are consistently **below 0 degrees F, upgrade to a 5 W 20 oil.**

Oils specifically designed for use in ATVs, CUVs, and other off road powersport vehicles are specially formulated to provide easy starting and high lubricity in the harshest operating conditions.

Air Filter Maintenance

The air filter on the cart is located inside a sealed air box under the dump bed on the right side of the cart. To service the air filter remove the end cover of the air box. Grasp the filter element and pull it straight out of the filter box. It is a snug fit on the inlet tube so apply a firm grip and force necessary to remove it. Insert the new filter carefully. Seat the filter by hand, making certain it is inserted completely. Apply pressure by hand at the outer rim of the filter, do not push on the flexible center. Secure air filter cover with latches.

The Bighorn part number for the air filter element is 21140402342

