Cooling System - on KLF400

Radiator and Cooling Fan

Check and clean the grille, net and radiator fins for obstructions by insects or mud in accordance with the Periodic Maintenance Chart.

- Loosen the left and right wing bolts, pull each washer outward, and remove the grille, and then the net.

- Clean the grille, net, and radiator fins of any obstructions with a stream of low-pressure water.

CAUTION

Using high-pressure water, as from a car wash facility, could damage the radiator fins and impair the radiator's effectiveness.

Do not obstruct or deflect airflow through the radiator by installing unauthorized accessories in front of the radiator or behind the cooling fan. Interference with the radiator airflow can lead to overheating and consequent engine damage.
Coolant

Coolant absorbs excessive heat from the engine and transfers it to the air at the radiator. If the coolant level becomes low, the engine overheats and may suffer severe damage. Check the coolant level each day before riding the vehicle, and replenish coolant if the level is low. Change the coolant in accordance with the Periodic Maintenance Chart.

Coolant Level Inspection

- Park the vehicle on level ground.
- Check the coolant level through the slit in the front cover right side behind the front rack. The coolant level should be between the upper and lower level lines on the reserve tank.

NOTE

- Check the level when the engine is cold (room or atmospheric temperature).

A. Front Cover

B. Upper Level Line

C. Lower Level Line

- If the amount of coolant is insufficient, unscrew the reserve tank cover and filler cap, and then add coolant through the filler opening to the upper level line.
1. Install the cap and cover.

Recommended Coolant Solution

- Coolant Mixture Ratio:
  - Water 50% : Antifreeze 50% (1 : 1)
- Recommended Antifreeze:
  - Permanent type antifreeze (ethylene glycol plus corrosion and rust inhibitor chemicals for aluminum engines and radiators)

**NOTE**

- *In an emergency you can add water alone to the coolant reserve tank, however it must be returned to the correct mixture ratio by the addition of antifreeze concentrate as soon as possible.*
- *A permanent type of antifreeze is installed in the cooling system when shipped. It is colored green and contains ethylene glycol. It is mixed at 50% and has the freezing point of −35°C (−31°F).*

**CAUTION**

If coolant must be added often, or the reserve tank completely runs dry, there is probably leakage in the system. Have the cooling system inspected by your authorized Kawasaki dealer.
Coolant Change

Have the coolant changed by an authorized Kawasaki dealer.

Final Gear Case Oil – on KLF220, 300B

In order for the pinion and ring gears to function properly, check the oil level and change the oil in accordance with the Periodic Maintenance Chart.

⚠️ WARNING ⚠️

HAZARD
Operating this vehicle with insufficient, deteriorated, or contaminated gear case oil.

WHAT CAN HAPPEN
Seizure of ring and pinion gears in final gear case can lock the rear wheels causing an accident and injury.

HOW TO AVOID THE HAZARD
Do not operate this vehicle with insufficient, deteriorated, or contaminated gear case oil.

⚠️ CAUTION ⚠️

Vehicle operation with insufficient, deteriorated, or contaminated oil causes accelerated wear of the pinion and ring gears.