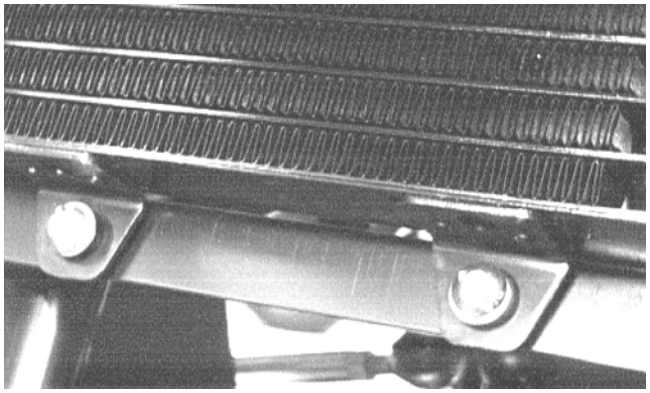
1. Remove the input and output hoses from the fittings on the cooler.

CAUTION

Elevate and secure the hoses to avoid oil spillage.

2. Remove the cap screws securing the oil cooler to the frame. Account for grommets.



AL651D

3. Remove the oil cooler from the frame.

INSTALLING

1. Place the cooler into position in the frame.
2. Secure the cooler to the frame with the cap screws and grommets.
3. Install the hoses onto their respective fittings and secure with the clamps.

Liquid Cooling System (425)

When filling the cooling system, use premixed Arctic Cat Antifreeze. While the cooling system is being filled, air pockets may develop; therefore, run the engine for five minutes after the initial fill, shut the engine off, and then fill the cooling system to the bottom of the stand pipe in the radiator neck.

CAUTION

After operating the ATV for the initial 5-10 minutes, stop the engine, allow the engine to cool down, and check the coolant level. Add coolant as necessary.

RADIATOR

Removing

1. Drain the coolant at the engine.
2. Remove the front rack and body panel (see Section 8).
3. Remove the upper and lower coolant hoses; then remove the fill hose and air bleed hose.
4. Remove the cap screws securing the radiator to the frame.
5. Disconnect the fan wiring from the main wiring harness; then remove the radiator/fan assembly and account for the grommets and collars.
6. Remove the fan/fan shroud assembly from the radiator.

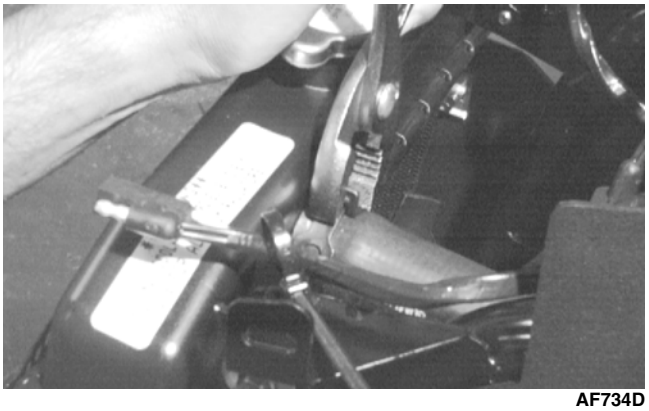
Cleaning and Inspecting

■NOTE: Whenever a part is worn excessively, cracked, or damaged in any way, replacement is necessary.

1. Flush the radiator with water to remove any contaminants.
2. Inspect the radiator for leaks and damage.
3. Inspect all hoses for cracks and deterioration.
4. Inspect all fasteners and grommets for damage or wear.

Installing

1. Position the fan/fan shroud assembly on the radiator; then secure with existing hardware.
2. Place the radiator with grommets and collars into position on the frame; then install the cap screws. Tighten securely.
3. Install the upper and lower coolant hoses, fill hose, and air bleed hose; then secure with hose clamps.



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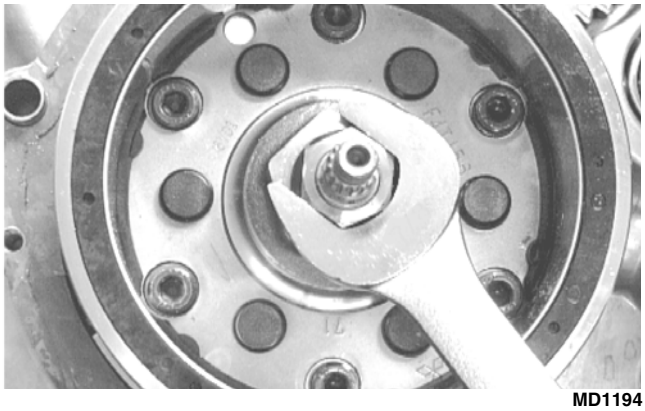
4. Install the front body panel and rack (see Section 8).
5. Fill the cooling system with the recommended amount of antifreeze. Check for leakage.
6. Connect the fan wiring to the main wiring harness.



MD1194

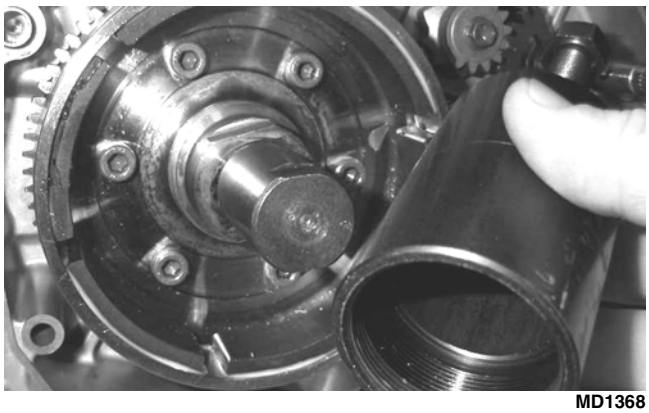
5. Install the crankshaft protector.

MD1365

6. Using Magneto Rotor Remover, break the rotor/flywheel assembly loose from the crankshaft. Remove the remover, the crankshaft protector, the rotor/flywheel, and the starter clutch gear. Account for the key.

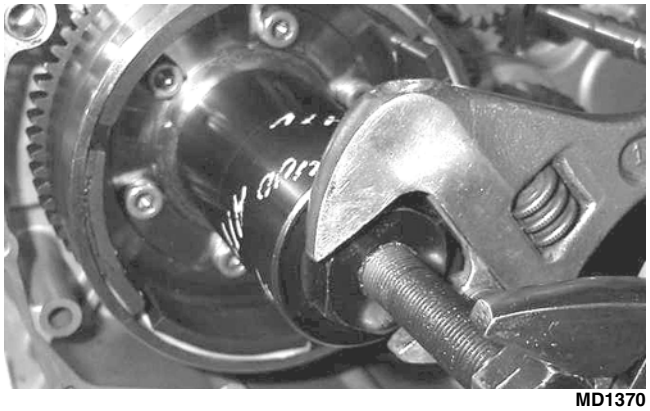
CAUTION

Care must be taken that the remover is fully threaded onto the rotor/flywheel or damage may occur.



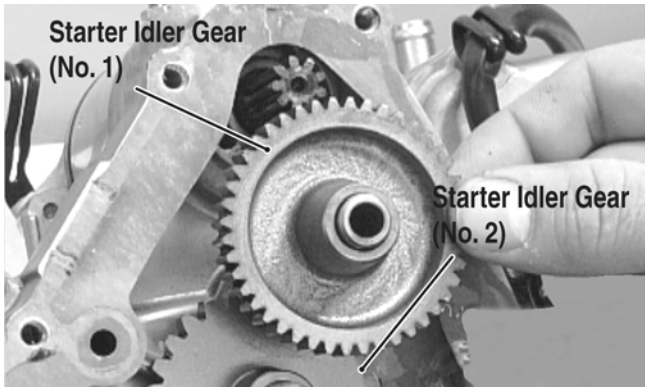
MD1368

MD1369



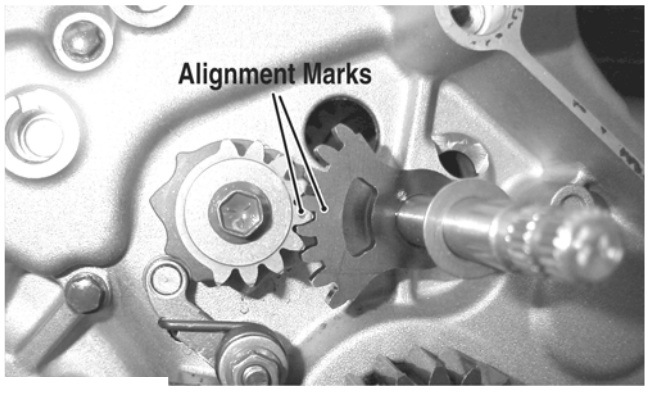
MD1370

7. Remove the starter idler gear (No. 1) and starter idler gear (No. 2).



MD1305

8. Remove the gear shift shaft assembly and washer from the left-side crankcase. Note the positions of the alignment marks and washer for installing purposes; then release the cam stopper spring tension.



MD1239