

741-722A

**CAUTION**

If the engine had a major overhaul or if any major component was replaced, proper engine break-in procedures must be followed. If the proper engine break-in procedures are not followed, severe engine damage may result.

## Engine - F-Series 800/1000

This engine servicing sub-section has been organized to show a progression for the complete servicing of the Arctic Cat 800 cc/1000 cc (F-Series) engines. For consistency purposes, this sub-section shows a complete and thorough progression; however, for efficiency it may be preferable to remove the engine as a complete assembly, to remove and disassemble only those components which need to be addressed, and to service only those components. Also, some components may vary from model to model. The technician should use discretion and sound judgment.

■NOTE: Critical torque specifications can be found on pages 14-17 of this section.

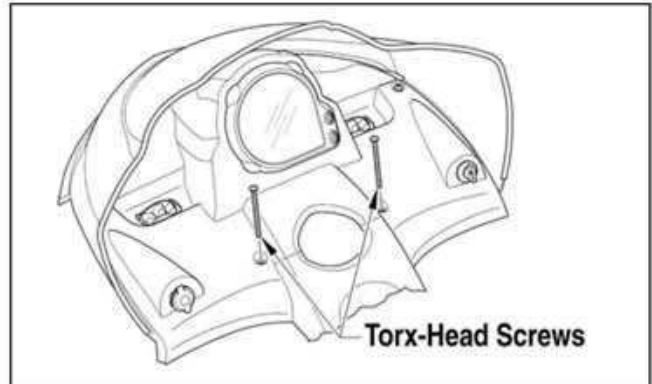
■NOTE: Some illustrations and photographs used in this section are used for clarity purposes only and are not designed to depict actual conditions.

## Table of Contents

Removing.....	2-148
Disassembling.....	2-153
Cleaning and Inspecting.....	2-158
Measuring Critical Components.....	2-161
Assembling.....	2-163
Installing.....	2-171

## Removing Engine

1. Remove the hood and the left-side and right-side access panels; then remove the torx-head screws securing the console.



741-722A

2. Lift the rear of the console and disconnect the console/main harness plug-in; then remove the console.
3. Remove the hairpin clip and all springs securing the expansion chamber and resonator; then remove these components from the engine compartment. Account for the two exhaust gaskets.

■NOTE: On the LXR, disconnect the negative cable from the battery.

4. With the seat adjusted to its lowest position, remove the self-tapping screw from the right-side seat adjustment track; then remove the seat.



ZJ100A

5. Remove the torx-head screws securing the handlebar close-off panel; then remove the panel.
6. Remove the lock nuts and torx-head cap screws (A) securing the right-side front and rear spar panels; then remove the torx-head screws (D) securing the left-side rear spar panel to the gas tank and support tube.