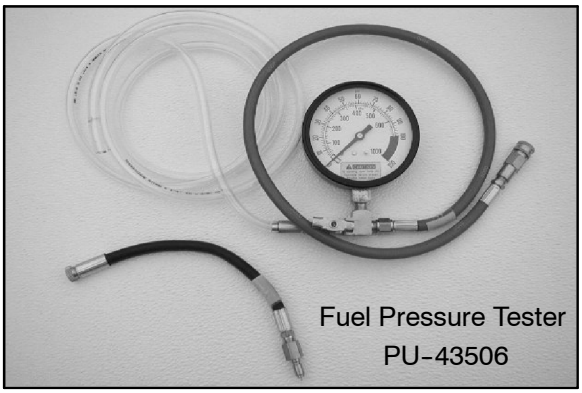
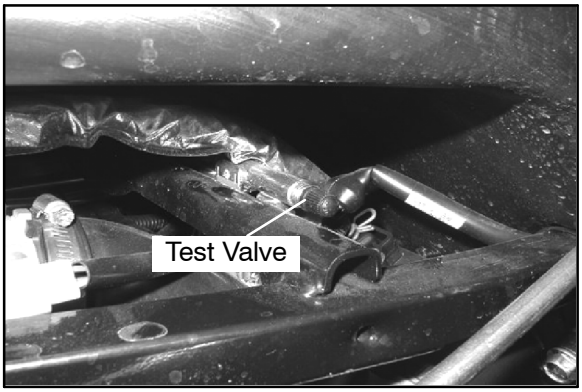
SPECIAL TOOLS

PART NUMBER	TOOL DESCRIPTION
PU-47063	Polaris EFI Diagnostic Software
PU-43506	Fuel Pressure Test Kit
PU-47082	Throttle Position Sensor Tester

Fuel Pressure Sender - PU-43506

IMPORTANT: The EFI fuel system remains under high pressure, even when the engine is not running. Before attempting to service any part of the fuel system, the pressure must be relieved. The pressure adapter has an integrated relief valve. Connect to the test valve and release the pressure.





Polaris EFI Diagnostic Software - PU-47063

This dealer-only software installs on laptop computers equipped with a CD drive and serial port connection, and is designed to replace multiple shop tools often used to test EFI components. It also includes step-by-step diagnostic procedures to aid technician repair and troubleshooting.

Throttle Position Sensor Tester - PU-47082

This tester allows the use of a digital multi-meter to test TPS function as well perform initialization procedures.

⚠ WARNING

Gasoline is extremely flammable and explosive under certain conditions.

⚠ EFI components are under high pressure. Verify system pressure has been relieved before disassembly.

⚠ Never drain the fuel system when the engine is hot. Severe burns may result.

⚠ Do not overfill the tank. The tank is at full capacity when the fuel reaches the bottom of the filler neck. Leave room for expansion of fuel.

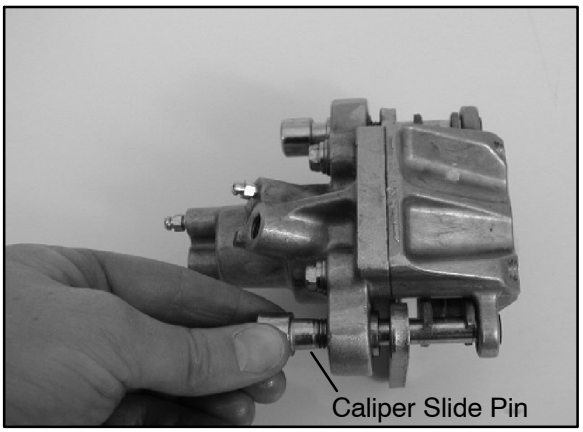
⚠ Never start the engine or let it run in an enclosed area. Gasoline powered engine exhaust fumes are poisonous and can cause loss of consciousness and death in a short time.

⚠ Do not smoke or allow open flames or sparks in or near the area where refueling is performed or where gasoline is stored.

⚠ If you get gasoline in your eyes or if you should swallow gasoline, seek medical attention immediately.

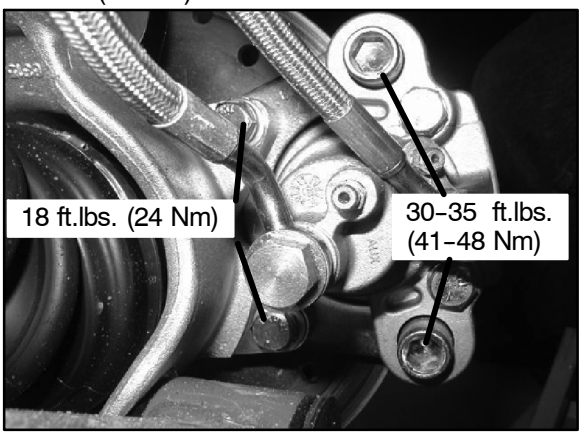
⚠ If you spill gasoline on your skin or clothing, immediately wash with soap and water and change clothing.

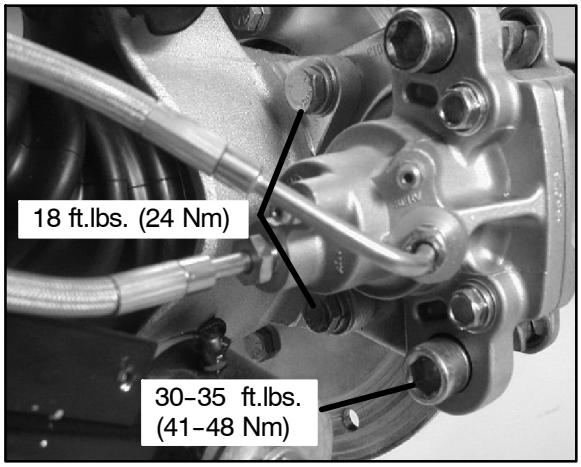
⚠ Always stop the engine and refuel outdoors or in a well ventilated area.



Caliper Slide Pin Torque:
30-35 ft. lbs. (41 Nm-48 Nm)

4. Install caliper and torque mounting bolts to 18 ft.lbs (25 Nm).



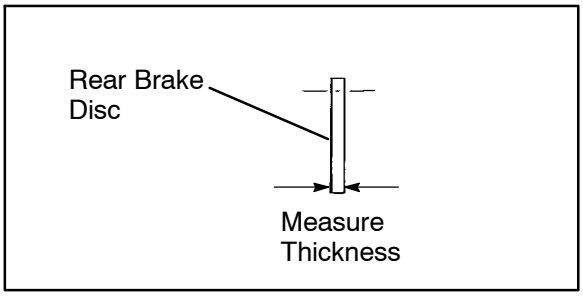


Caliper Mounting Bolt Torque:
18 ft. lbs. (24 Nm)

5. Install brake line and tighten securely with a line wrench. Torque the brake lines to the proper torque specification.
6. Follow bleeding procedure outlined on Pages 9.6-9.7 of this section and refer to system overview and illustrations on Pages 9.2-9.3.
7. Field test unit for proper braking action before putting into service. Inspect for fluid leaks and firm brakes. Make sure the brake is not dragging when lever is released. If the brake drags, re-check assembly and installation.

REAR BRAKE DISC INSPECTION

1. Visually inspect disc for scoring, scratches, or gouges. Replace the disc if any deep scratches are evident.
2. Use a 0-1″ micrometer and measure disc thickness at 8 different points around perimeter of disc. Replace disc if worn beyond service limit.



Brake Disc Thickness
New .150-.165″ (3.81-4.19 mm)
Service Limit .140″ (3.556 mm)

Brake Disc Thickness Variance
Service Limit .002″ (.051 mm)
difference between measurements

3. Mount dial indicator and measure disc runout. Replace the disc if runout exceeds specifications.

Brake Disc Runout
Service Limit .010″ / .254 mm