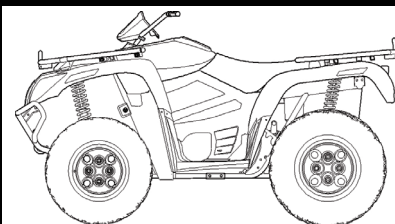


Arctic Cat® ATV

Installation Instructions - Service Parts

Diesel Compression Tester Adaptor Kit (p/n 0544-014)



■ **NOTE:** Read these Installation Instructions thoroughly before beginning the installation process. Retain these Installation Instructions for future reference.

Application: All diesel models

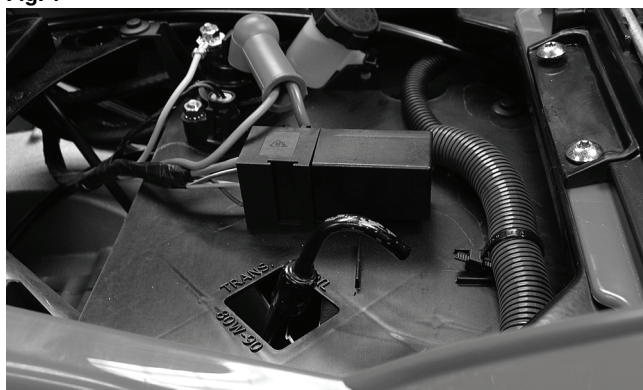
Kit includes:

p/n	QTY	DESCRIPTION
0444-268	1	Diesel Compression Adaptor
0644-371	1	8 mm Adaptor Fitting
0453-744	1	Instructions

■ **NOTE:** Refer to the appropriate Arctic Cat ATV Diesel Service Manual for more detailed instructions.

1. Unplug the glow plug relay located under the seat. This will prevent the glow plug leads from any accidental arcing when disconnecting from the glow plugs. See Fig. 1.

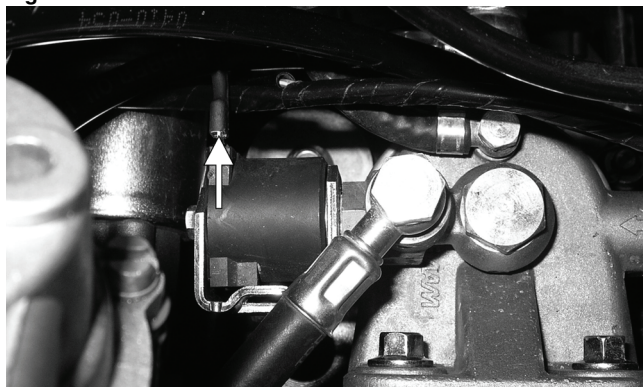
Fig. 1



DE002

2. Locate fuel solenoid; then unplug the orange/white wire. This will prevent any fuel from being injected into the cylinder's during the compression test. See Fig. 2.

Fig. 2



DE647B

3. Remove the nut (A) securing the glow plug cable to the glow plug. See Fig. 3.

Fig. 3



ATV-2117A

■ **NOTE:** Do not remove both glow plugs at the same time or an inaccurate compression reading will occur.

4. Remove the glow plug from the engine. See Fig. 4.

Fig. 4



ATV-2119

5. Thread the 8 mm Adaptor fitting into the glow plug hole; then thread Diesel Compression Adaptor into the fitting. Tighten securely.

■ **NOTE:** Prior to testing compression, make sure the battery is fully charged. Both cylinder compression readings should be within 10% of each other.

6. Perform the compression test on a cold engine. Attach a diesel compression tester to the adaptor; then crank the engine over 5 revolutions and record gauge reading.
7. Remove the compression tester and the 8mm adaptor; then install the existing glow plug and torque to 18 ft-lb. Repeat for opposite cylinder.

■ **NOTE:** Compare recorded compression figures to either A or B.

A. New engine should test 400 PSI or higher.

B. A used engine should test 350 PSI or higher.

■ **NOTE:** If compression is seen at 300 PSI or lower there is a problem and the engine cylinder area must be inspected.