



POLARIS
The Way Out.

TECHNICAL SERVICE BULLETIN

Date: September 22, 2006

Snowmobile

Bulletin Number: S-06-10

Model Year(s): 2007

Safety Bulletin

Service Bulletin

Service Alert Fax

Production Update Kit

Distribution: Owner / Principle Service Manager Sales Manager Parts Manager Technicians

This Service Bulletin is located at www.polarisdealers.com

-Confidential and Proprietary-

SUBJECT: 2007 FS / FST Oil Pump Elbow Nozzle Fastener Torque

PURPOSE:

Polaris has determined that the torque applied to the fastener securing the oil pump elbow nozzle to the crankcase may be inadequate and must be re-torqued. If the fastener were to become loose and fall out, the elbow nozzle may fall out of the crankcase causing an immediate loss of engine oil, resulting in severe engine damage.

Please follow the detailed repair instructions outlined within this Service Bulletin. The repair process should take approximately 36 minutes and involves accessing the engine compartment from the left-side tie rod rubber boot opening in the bulkhead.

Because of the potential severe engine damage that may result in not performing this Service Bulletin and the relatively simple repair process, Polaris asks that you do not deliver any 2007 FS or FST snowmobile to customers until this Service Bulletin is completed. Please contact any customers that have taken delivery of a 2007 FS or FST snowmobile to inform them of the issue, and to make immediate arrangements to perform the repair.

AFFECTED MODELS:

Model(s) Affected	Model Numbers	Serial Number Range
2007 FST IQ	S07PP7FS S07PP7FSA S07PP7FE	ALL Reference Unit Inquiry on the dealer website to lookup affected snowmobile VINs.
2007 FST IQ LX	S07PD7FS	
2007 FS IQ Touring	S07PT7ES S07PT7EE	
2007 FST IQ Touring	S07PT7FS S07PT7FE	
2007 FST IQ Cruiser	S07PY7FS S07PY7FE	
2007 FST Switchback	S07PS7FS S07PS7FE	

PARTS INFORMATION:

PART NUMBER DESCRIPTION	7170107 QTY.1 (Decal)
QUANTITY	1 Completion Decal per unit.
DIRECT-SHIP FROM POLARIS?	NO
TO BE ORDERED BY DEALER?	YES - Parts In-Stock

WARRANTY CLAIM INFORMATION:

A single group claim may be submitted listing the complete 17-digit VIN for machines WITH THE SAME MODEL NUMBER. File claim type SB (Service Bulletin). DO NOT ENTER MORE THAN ONE MODEL NUMBER ON A WARRANTY CLAIM. Removed components are to be retained according to the Polaris Warranty Policy for possible return to the Warranty Department.

Service Bulletin #	S-06-10
Claim Type	SB (Service Bulletin)
Labor Allowance	36 Minutes
Claim Part Numbers	N/A - Auto Process Bulletin

SERVICE BULLETIN COMPLETION DECAL:

Upon completion of this bulletin, fill out and attach a Service Bulletin Completion Decal, PN 7170107. Adhere the decal to the airbox assembly. If you require more decals, order them through normal Polaris parts ordering channels.

CUSTOMER NOTIFICATION:

Dealers are required to notify owners of affected models and make arrangements to perform this repair.

Sincerely,



Christopher Wolf
Manager, Service Dealer Development and Warranty

REPAIR PROCEDURE:

Note: *The repair procedure can be done with the snowmobile flat on the ground, raised up on a stand, or tipped on its right-hand side. When tipping the snowmobile on its side, always place a soft, clean blanket or provide a similar level of protection between the floor and snowmobile to protect the machine from scratches.*

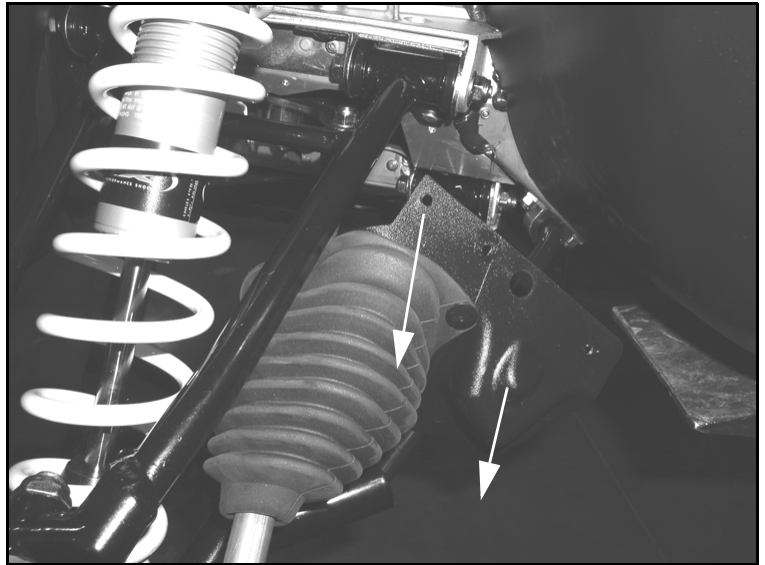
To perform this repair you will need to following tools:

- Flashlight
- 1/2", 9/16" Open-end wrenches
- 9/16" socket w/extension(s) and 3/8" ratchet
- 5mm Allen socket
- Telescoping magnet
- Flat-blade screwdriver
- T20 Torx - 3/8" drive
- 3/8" drive torque wrench

1. Remove the intercooler-to-turbo air intake hose with a flat-blade screwdriver.
2. Remove the left-side ski. (*Optional step; personal preference if ski is obstructing work.*)



3. Remove the left-side tie rod boot and bracket fasteners using the T20 Torx drive. Pull the boot and bracket back to gain access to the bulkhead.



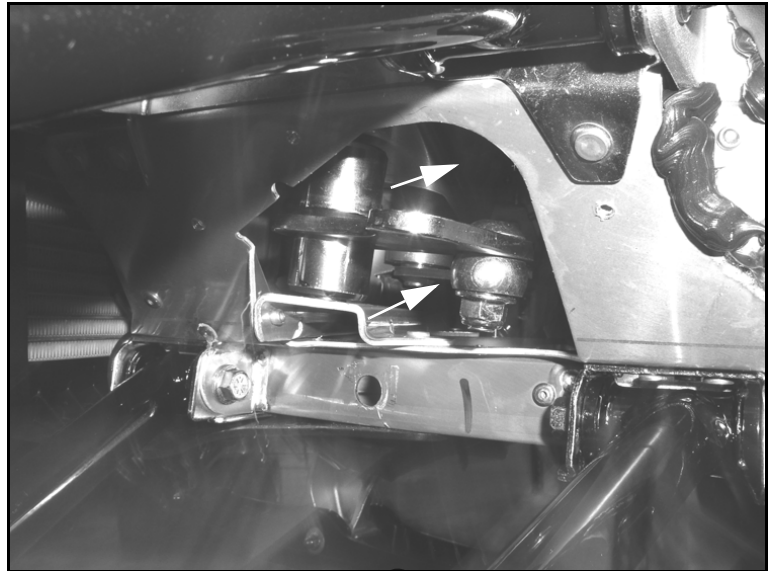
4. Remove the tie rod nut using the 1/2" and 9/16" wrenches, then pull the tie rod out of the bulkhead.



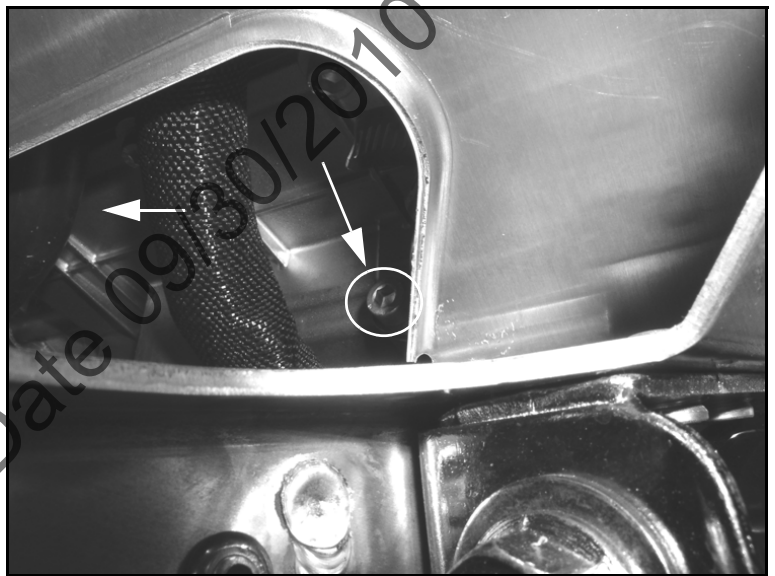
5. To enhance socket accessibility, remove the idler arm center bolt using a magnet, 9/16" socket w/ extensions and 9/16" wrench.



6. Fold the idler arm back into the engine compartment to increase access to the bulkhead.



7. Use a flashlight to locate the fastener. Move the wiring harness out of the way if obstructing view.



8. Using the 5mm Allen socket, torque the elbow nozzle fastener to 8 ft.lbs. (10 Nm).
9. Assembly is the reverse of disassembly.
10. Re-install the tie rod and nut. Torque nut to 29 ft.lbs. (39Nm).
11. Using a telescoping magnet, re-install the idler arm and idler arm center bolt. Torque nut to 29 ft.lbs. (39Nm).

Note: If the snowmobile is on its side, use one or two telescoping magnet tools to align and install the idler arm center bolt. The installation of the bolt is easier when the snowmobile is flat on the ground or stand.

12. Re-install the tie rod boot and bracket. Hand-tighten fasteners.
13. Re-install the air intake hose.

