



POLARIS
The Way Out.

TECHNICAL SERVICE BULLETIN

Snowmobile

Date: March 6, 2007

Bulletin Number: S-07-05A

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 Canadian / International 700 CFI Dragon ECU Reflash / Thermostat Update

NOTE: Service Bulletin S-07-05A only applies to Canadian and International units. Polaris dealerships in the United States will not be allowed to download the Digital Wrench updates required to perform the re-flash procedure until Polaris receives clearance from the U.S. Environmental Protection Agency (EPA).

Because U.S. dealerships cannot perform the re-flash procedure at this time, this Service Bulletin will not be displayed when using UNIT INQUIRY. Polaris will change this once we receive authorization to allow U.S. dealerships to perform the bulletin from the EPA.

If you are a U.S. dealer reading this bulletin, DO NOT download and install the Digital Wrench update file described within this Service Bulletin. Doing so will prohibit your dealership from re-flashing ANY 2007 700 CFI, FS, or FST snowmobile for any reason and is in direct violation to the rules established by the United States Environmental Protection Agency.

PURPOSE:

Polaris has received reports from the field regarding spark plug fouling and poor engine performance throughout the powerband on some 2007 700 CFI Dragon snowmobiles.

To resolve these concerns, Polaris has released new ECU calibration files and developed a new heavy duty thermostat. The original thermostat may break when open. Once broken, the thermostat cannot close and the cooling system will over-cool the engine.

Please follow the instructions outlined within this Service Bulletin and reflash the ECU to new ECU calibration file and install the new heavy duty thermostat.

AFFECTED MODELS:

Model(s) Affected	Model Numbers	Serial Number Range
2007 IQ Dragon	S07PC7JS S07PC7JE	All Canadian / International 2007 700 CFI Reference Unit Inquiry on the dealer website to lookup affected snowmobile VINs.
2007 RMK Dragon	S07PL7JS S07PL7JE	

PARTS INFORMATION:

PART NUMBER DESCRIPTION	Thermostat = 7052433 / Reflash = N/A
QUANTITY	1 thermostat and 1 reflash per affected snowmobile.
DIRECT-SHIP FROM POLARIS?	NO
TO BE ORDERED BY DEALER?	YES Reflash currently available for download.

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. All warranty claims must be submitted within 10 days of the repair. Never submit a warranty claim before completing the work. It is in violation of your dealer agreement to submit a warranty claim prior to the work being completed. Removed components are to be retained according to the Polaris Warranty Policy for possible return to the Warranty Department.

Service Bulletin #	S-07-05A
Claim Type	SB (Service Bulletin)
Labor Allowance	30 Minutes
Claim Part Numbers	N/A - Auto Process Bulletin

REPAIR PROCEDURE:

Reflash:

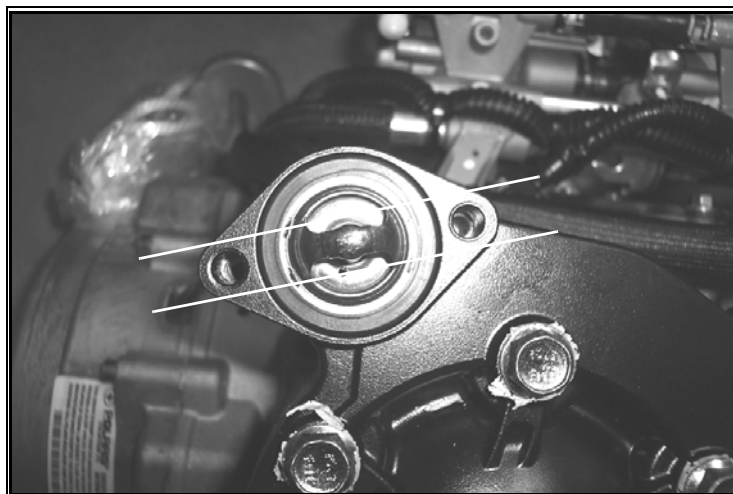
1. The new 2007 700 CFI calibration part numbers are:
 - 4011995 - RED INJECTORS
 - 4011996 - BLUE INJECTORS
 - 4011997 - YELLOW INJECTORS
2. Verify the color of the fuel injectors installed on each engine. The color can be seen on the ECU decal or on each of the fuel injectors's protective sheaths.
3. Follow the Digital Wrench software guide (pages 11.43 - 11.46) in the 2007 Two-Stroke Service Manual, PN 9920463.

NOTE: YOU MUST BE USING DIGITAL WRENCH VERSION 3.0.

4. Download and install Version 3.0 Update: PDW_3_00_030207_Intl.exe. Once the update is installed, the new files will be available for the reflash procedure.

Thermostat Replacement

1. Remove the airbox from the engine compartment.
2. Pinch-off the thermostat housing hose to prevent coolant from escaping when the housing is removed from the cylinder head cover.
3. Remove the two fasteners securing the thermostat housing to the cylinder head cover.
4. Remove the thermostat. (Retain original thermostat for possible recall to Polaris.)
5. Using the original o-ring, install the new heavy duty thermostat, PN 7052433, with the bridge of the thermostat in-line with the two housing fastener thread bores.
6. Install the thermostat housing. Torque fasteners to 9 ft.lbs. (12 Nm).
7. Reinstall the outlet hose making sure the open-end of the clamp faces forward.
8. Bleed the cooling system as outlined in the 2007 Two-Stroke Service Manual, PN 9920463. (Pages 3.7 - 3.8)
9. Reinstall the airbox assembly.



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,



Laurie J. Rengel
Manager, Service Dealer Development and Warranty