



Bombardier Recreational Products Inc  
726 Saint-Joseph Street  
Valcourt, Quebec, Canada J0E 2L0  
www.brp.com

August 26, 2010

**“BY EMAIL”**

Ms. Delia Lopez  
National Highway Traffic Safety Administration  
1200 New Jersey Avenue, SE  
Washington, DC 20590

**Ref: Supplemental and Amended Defect Information Report, Safety Recall 09V-162**

Dear Ms. Lopez:

Pursuant to 40 C.F.R. § 573.6(c) Bombardier Recreational Products Inc. (BRP) is filing this supplemental and amended Defect Information Report with regard to Safety Recall 09V-162. BRP is amending the recall campaign to enhance the recall remedy. BRP will provide an enhanced remedy, will apply that remedy to vehicles produced as of August 19, 2010 and will notify customers of affected vehicles.

A draft customer notification is also enclosed for the agency's review.

• **573.6 (c) (2) Identification of the Vehicles involved in the Recall**

The vehicles subject to the enhanced remedy include all vehicles that were covered by the original Defect Information Report, as well as certain models manufactured following the original notice and prior to August 19, 2010. Specifically, these vehicles are all MY 2008, 2009, and 2010 CAN-AM SPYDER Roadsters manufactured before August 19, 2010. The inclusive dates of manufacture by model number are listed in the chart that follows. Please note that the vehicle serial number lists reflect global production and not only vehicles available for sale in the United States. Such lists will be submitted to the agency shortly.

Ski-Doo  
Lynx  
Sea-Doo  
Exotic  
Johnson  
Polaris  
Polaris

Model Year	Models involved* *The models highlighted in grey are the only ones available for sale in North America (USA and Canada)	Production dates; Start/End	Serial Numbers; Start/End																																																		
2008	<table border="1"> <thead> <tr> <th data-bbox="310 516 829 541">Model Name</th> <th data-bbox="846 516 1013 541">Model no.</th> </tr> </thead> <tbody> <tr><td>ROADSTER SPYDER GS 5S Y 2008</td><td>000A18B00</td></tr> <tr><td>ROADSTER SPYDER GS 5S G 2008</td><td>000A18E00</td></tr> <tr><td>ROADSTER SPYDER GS 5S Y 2008</td><td>000A18G00</td></tr> <tr><td>ROADSTER SPYDER GS 5S G 2008</td><td>000A18H00</td></tr> <tr><td>ROADSTER SPYDER GS 5S Y 2008</td><td>000A18J00</td></tr> <tr><td>ROADSTER SPYDER GS 5S G 2008</td><td>000A18L00</td></tr> <tr><td>ROADSTER SPYDER GS 5S Y 2008</td><td>000A18R00</td></tr> <tr><td>ROADSTER SPYDER GS 5S G 2008</td><td>000A18S00</td></tr> <tr><td>ROADSTER SPYDER GS 5S G 2008</td><td>000A18T00</td></tr> <tr><td>ROADSTER SPYDER GS 5S R 2008</td><td>000A18U00</td></tr> <tr><td>ROADSTER SPYDER GS SA Y 2008</td><td>000A28B00</td></tr> <tr><td>ROADSTER SPYDER GS SA G 2008</td><td>000A28E00</td></tr> <tr><td>ROADSTER SPYDER GS SA R 2008</td><td>000A28G00</td></tr> <tr><td>ROADSTER SPYDER GS 5S Y 2008 EUR</td><td>000A18C00</td></tr> <tr><td>ROADSTER SPYDER GS 5S G 2008 EUR</td><td>000A18F00</td></tr> <tr><td>ROADSTER SPYDER GS 5S Y 2008 EUR</td><td>000A18K00</td></tr> <tr><td>ROADSTER SPYDER GS 5S G 2008 EUR</td><td>000A18M00</td></tr> <tr><td>ROADSTER SPYDER GS 5S Y 2008 EUR</td><td>000A18N00</td></tr> <tr><td>ROADSTER SPYDER GS 5S G 2008 EUR</td><td>000A18P00</td></tr> <tr><td>ROADSTER SPYDER GS SA Y 2008 EUR</td><td>000A28C00</td></tr> <tr><td>ROADSTER SPYDER GS SA G 2008 EUR</td><td>000A28F00</td></tr> <tr><td>ROADSTER SPYDER GS SA R 2008 EUR</td><td>000A28H00</td></tr> </tbody> </table>	Model Name	Model no.	ROADSTER SPYDER GS 5S Y 2008	000A18B00	ROADSTER SPYDER GS 5S G 2008	000A18E00	ROADSTER SPYDER GS 5S Y 2008	000A18G00	ROADSTER SPYDER GS 5S G 2008	000A18H00	ROADSTER SPYDER GS 5S Y 2008	000A18J00	ROADSTER SPYDER GS 5S G 2008	000A18L00	ROADSTER SPYDER GS 5S Y 2008	000A18R00	ROADSTER SPYDER GS 5S G 2008	000A18S00	ROADSTER SPYDER GS 5S G 2008	000A18T00	ROADSTER SPYDER GS 5S R 2008	000A18U00	ROADSTER SPYDER GS SA Y 2008	000A28B00	ROADSTER SPYDER GS SA G 2008	000A28E00	ROADSTER SPYDER GS SA R 2008	000A28G00	ROADSTER SPYDER GS 5S Y 2008 EUR	000A18C00	ROADSTER SPYDER GS 5S G 2008 EUR	000A18F00	ROADSTER SPYDER GS 5S Y 2008 EUR	000A18K00	ROADSTER SPYDER GS 5S G 2008 EUR	000A18M00	ROADSTER SPYDER GS 5S Y 2008 EUR	000A18N00	ROADSTER SPYDER GS 5S G 2008 EUR	000A18P00	ROADSTER SPYDER GS SA Y 2008 EUR	000A28C00	ROADSTER SPYDER GS SA G 2008 EUR	000A28F00	ROADSTER SPYDER GS SA R 2008 EUR	000A28H00	From the beginning of production on April 4 <sup>th</sup> , 2007 up to November 17 2008	See the complete list of serial numbers for MY2008				
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2010	Model Name	Model no.	From the	See the
	RD SPYDER RS 990 SM5 B 2010	000A1AA00	beginning of production on April 4 <sup>th</sup> , 2009 up to August 18 <sup>th</sup> , 2010	complete list of serial numbers for MY2010
	RD SPYDER RS 990 SM5 G 2010	000A1AC00		
	RD SPYDER RS 990 SM5 R 2010	000A1AE00		
	RD SPYDER RS 990 SM5 Y 2010	000A1AG00		
	RD SPYDER RS 990 SM5 G 2010	000A1AJ00		
	RD SPYDER RS 990 SM5 R 2010	000A1AL00		
	RD SPYDER RS 990 SM5 B 2010	000A1AN00		
	RD SPYDER RS 990 SM5 B 2010	000A1AV00		
	RD SPYDER RS 990 SE5 B 2010	000A2AA00		
	RD SPYDER RS 990 SE5 G 2010	000A2AC00		
	RD SPYDER RS 990 SE5 R 2010	000A2AE00		
	RD SPYDER RS 990 SE5 Y 2010	000A2AG00		
	RD SPYDER RS 990 SE5 G 2010	000A2AJ00		
	RD SPYDER RS 990 SE5 R 2010	000A2AL00		
	RD SPYDER RS 990 SE5 B 2010	000A2AN00		
	RD SPYDER RS 990 SE5 B 2010	000A2AV00		
	RD SPYDER RS 990 SE5 B 2010	000A2AW00		
	RD SPYDER RT 991 SM5 G 2010	000A3AA00		
	RD SPYDER RT 991 SM5 G 2010	000A3AB00		
	RD SPYDER RT-S 991 SE5 B 2010	000A4AA00		
	RD SPYDER RT-S 991 SE5 B 2010	000A4AE00		
	RD SPYDER RT - 991 SE5 B 2010	000A4AF00		
	RD SPYDER RT A&C 991 SM5 G 2010	000A7AA00		
	RD SPYDER RT A&C 991 SM5 B 2010	000A7AD00		
	RD SPYDER RT A&C 991 SE5 G 2010	000A9AA00		
	RD SPYDER RT A&C 991 SE5 B 2010	000A9AD00		
	RD SPYDER RS-S 990 SE5 W 2010	000B1AA00		
	RD SPYDER RS-S 990 SE5 W 2010	000B1AC00		
	RD SPYDER RS-S 990 SE5 W 2010	000B1AF00		
	RD SPYDER RT-S 991 SM5 B 2010	000B5AA00		
	RD SPYDER RT-S 991 SM5 B 2010	000B5AC00		
	RD SPYDER RT-S 991 SM5 B 2010	000B5AF00		
	RD SPYDER RS 990 SM5 Y 2010 EUR	000A1AH00		
	RD SPYDER RS 990 SM5 G 2010 EUR	000A1AK00		
	RD SPYDER RS 990 SM5 R 2010 EUR	000A1AM00		
	RD SPYDER RS 990 SM5 B 2010 EUR	000A1AP00		
	RD SPYDER RS 990 SM5 Y 2010 EUR	000A1AR00		
	RD SPYDER RS 990 SM5 G 2010 G EUR	000A1AS00		
	RD SPYDER RS 990 SM5 R 2010 EUR	000A1AT00		
	RD SPYDER RS 990 SM5 B 2010 EUR	000A1AU00		
	RD SPYDER RS 990 SE5 B 2010 EUR	000A2AB00		
	RD SPYDER RS 990 SE5 G 2010 EUR	000A2AD00		
	RD SPYDER RS 990 SE5 R 2010 EUR	000A2AF00		
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	RD SPYDER RS 990 SE5 G 2010 EUR	000A2AK00		
	RD SPYDER RS 990 SE5 R 2010 EUR	000A2AM00		
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	RD SPYDER RS 990 SE5 B 2010 EUR	000A2AT00		
	RD SPYDER RT 991 SM5 G 2010 EUR	000A3AC00		
	RD SPYDER RT-S 991 SE5 B 2010 EUR	000A4AB00		
	RD SPYDER RT-S 991 SE5 B 2010 EUR	000A4AD00		
	RD SPYDER RT-S 991 SE5 B 2010 EUR	000A4AG00		

2010 (cont'd)	Model Name	Model no.		
	RD SPYDER RT Techno 991 SM5 G 2010 EUR	000A7AC00		
	RD SPYDER RT Techno 991 SM5 B 2010 EUR	000A7AF00		
	RD SPYDER RT Techno 991 SE5 G 2010 EUR	000A9AC00		
	RD SPYDER RT Techno 991 SE5 B 2010 EUR	000A9AF00		
	RD SPYDER RS-S 990 SE5 W 2010 EUR	000B1AB00		
	RD SPYDER RS-S 990 SE5 W 2010 EUR	000B1AD00		
	RD SPYDER RS-S 990 SE5 W 2010 EUR	000B1AE00		
	RD SPYDER RT-S 991 SM5 B 2010 EUR	000B5AB00		
	RD SPYDER RT-S 991 SM5 B 2010 EUR	000B5AG00		
	RD SPYDER RT-S 991 SM5 W 2010 EUR	000B6AA00		
	RD SPYDER RT-S 991 SM5 W 2010 EUR	000B6AB00		

- **573.6 (c) (3) Number of Vehicles Potentially Affected**

The number of vehicles potentially affected in the United States is approximately 16,361.

- **573.6 (c) (4) Estimated percentage of Vehicles with the Defect**

It is estimated that approximately 0.2% of the fleet could experience the condition, which is described in the initial Defect Information Report. 100% of the recalled vehicles will be subject to the enhanced remedy.

- **573.6 (c) (6) Chronology of Events**

In the fall of 2009 BRP received reports that the steering on some vehicles which had the initial remedy continued to have a "notchy" feel. Vehicles were inspected and test driven by manufacturer representatives and some were reclaimed from the field for further investigation. Investigation revealed that the remaining "notchy" condition continued to be related to a high coefficient of static friction, potentially leading to additional steering effort to overcome the friction.

The initial remedy focused on compensating for the loss of lubrication at the point of contact between the faces of the meshing teeth in the power steering gear train. The remedy initially provided was a software update to optimize the application of power assist by the (Dynamic Power Steering) DPS system and thus reduce the level of variance in resistance to steering movement. Further investigation based on the reports of continued resistance revealed that in addition to loss of lubrication, over time, microscopic scoring of the gear contact surfaces could also lead to an increase in static friction. BRP has developed an improved mechanical design for the gear train in the DPS system with improved robustness and increased service life to address this issue and to improve the overall durability of the system.

BRP intends to retrofit worldwide all CAN-AM SPYDER Roadsters manufactured before August 19, 2010 with the next generation DPS system. In the United States, BRP will notify all

owners, including those that responded to the previous remedy notice, to return the vehicles to their dealers for further repair pursuant to Safety Recall No. 09-V162.

• **573.6 (c) (8) Program for Remedy of Defect**

BRP is currently preparing to issue customer notices for the replacement of the DPS in all affected vehicles with a 2<sup>nd</sup> generation DPS. All vehicles, including the ones involved in the 1<sup>st</sup> phase of the campaign, will receive this remedy.

BRP will notify each registered owner of an affected vehicle. BRP will also notify its dealers of the continued campaign. In addition, BRP will post a letter to dealer's attention on its dealer website along with the safety campaign bulletin. Information about the campaign will also be posted on BRP's public website [www.can-am.brp.com](http://www.can-am.brp.com). Vehicles will be repaired by authorized dealers. All of this will be performed at no charge.

The enhanced remedy will replace the DPS steering gear box with a second generation DPS steering gear box fully assembled with operating software pre-loaded and ready for service. The operating software version of this second generation DPS system includes the software patch which was deployed as the 1<sup>st</sup> phase of the remedy. As a result, vehicles not yet repaired will receive both the software upgrade and the replacement DPS steering gear box when responding to the additional recall notice.

The estimated date on which BRP intends to begin sending notification letters to registered owners and to dealers is September 15, 2010.

If you have any questions regarding this report, please contact the undersigned (see information above).

Sincerely yours,



BRP US Inc and Bombardier Recreational Products Inc.  
Annie Gauthier  
Legal Counsel

C.C. Mr. Marc Leclerc, Kongsberg Inc.

Enclosed:

- Draft of the customer notification letter