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February 1, 2016

Associate Administrator for Enforcement
National Highway Traffic Safety Administration
1200 New Jersey Avenue, SE
Washington, D.C. 20590

RE: 579.5 Notices, bulletins, customer satisfaction campaigns, consumer advisories, and other communications for the month of January, 2015.

Manufacturer: Polaris Industries Inc. (Victory Motorcycle Division; Indian Motorcycle Company; Global Electric Motorcars (GEM), Slingshot)
Report Author: Don L. Good
Telephone Number: 651-408-7579

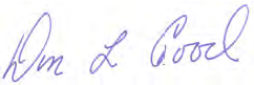
Polaris Industries Inc sent the following 579.5 communications in the month of January, 2015.

Date Sent	Type	Number	Product	Sent To	Summary	Previously Sent To NHTSA
1/15/2016	Team Tips	G-15-12-01	All	Dealers	Revised Customer Delivery Instructions	No
1/19/2016	Team Tips	I-16-01-01	Indian Motorcycles	Dealers	Access Cover Leak	No
1/14/2016	Team Tips	T-16-01-01	SLINGSHOT	Dealers	Hood Bumper Kit	No
1/14/2016	Voice of Victory	V-16-01-01	Victory Empulse Tools	Dealers	Diagnostic Software	No

Copies of the above are attached to this report.

If you have any questions with this report, please contact me at 651-408-7579.

Thank you,

Signed: 
Don L. Good
Sr. Product Safety Specialist
Polaris Industries Inc.

Date: 2-1-2016

Team Tips

ARTICLE: G-15-12-01

DATE: Original Release: December 10, 2015

Published for Polaris Dealerships, Distributors, and Service Technicians

*****REVISED on 1/15/2016*****

Polaris Customer Delivery Experience (PCDX) Required to Complete Vehicle Registrations

PCDX is an online and mobile interface for providing a consistent dealer setup and customer delivery experience. The interface walks the dealer and the customer through a standardized online form that includes the PDI (pre-delivery inspection), general warnings, assembly and inspection, safety bulletins, test ride, customer information, customer walkaround and discussion, and customer acceptance. This application has been proven in dealerships to automate document retention, streamline vehicle setup, and provide a consistent, professional customer experience.

Vehicles shipped after 11/1/2015 no longer include a paper PDI form with the vehicle setup material; instead dealers should complete the vehicle setup and PDI using the PCDX application, which can be located on the Dealer Website under Service and Warranty – PCDX.

In addition to vehicle setups and consumer delivery, starting March 1, 2016 PCDX use will be required for collecting Customer Registration Information that will be used for Warranty Registration on new units. Make sure that all dealership personnel that complete warranty registration complete the trainings listed below.

Dealer Action Required:

PCDX fundamental training is required and available now. The fundamental courses are required for all **dealer technicians** and **sales personnel**. Sign on to www.universityofpolaris.com to complete the five training modules:

- PCDX Overview
- PCDX Homepage and Start a PCDX Form
- PCDX Pre-Delivery Inspection
- PCDX Customer Registration
- PCDX Customer Delivery and Warranty Registration

PCDX is accessible from the Polaris Dealer Site via desktop computers, laptops, tablets, or smartphones. Apple or Android tablets and smartphones can be used.

Minimum Tablet Specifications

- Android (recommended) or Apple; Android tablets are typically more economical and are also compatible with Digital Wrench
- Front and rear facing camera
- Internet and Bluetooth wireless capable



Team Tips

ARTICLE: I-16-01-01

DATE: 01/19/2016

Published for Indian Motorcycle Dealerships, Distributors, and Service Technicians

SUBJECT: 2015-2016 Indian Full-Size Motorcycles - Access Cover Leak

PURPOSE:

Indian Motorcycle has determined that some 2015-2016 full-size Indian Motorcycles may develop an oil leak from the Primary Access Cover Seal. Leaks typically appear during setup or dealer flooring. This may occur if the seal (PN:5415433) migrated out of position during assembly, prior to cover installation.

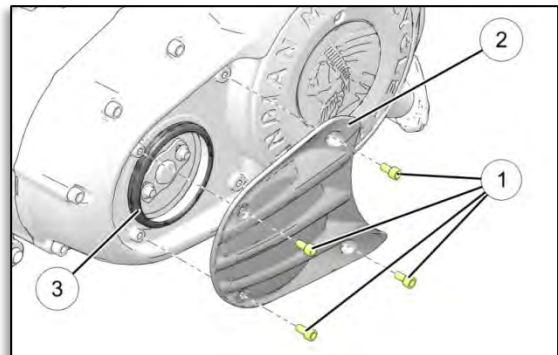
AFFECTED MODELS:

Full-Size Indian Motorcycles equipped with chrome engines (PN's 1205228 and 1205304) built on or between 6/22/15 thru 12/11/15.

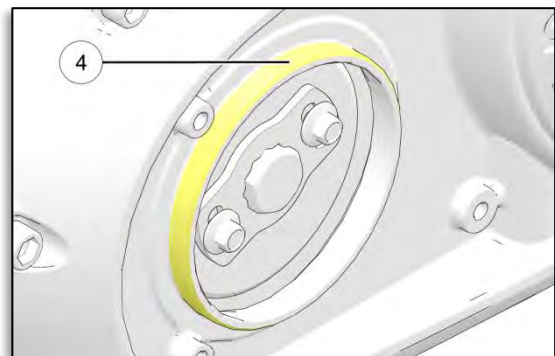
Reference Unit Inquiry for build date information pertaining to a specific VIN.

STEPS TO REPLACE PRIMARY ACCESS COVER HOLE SEAL

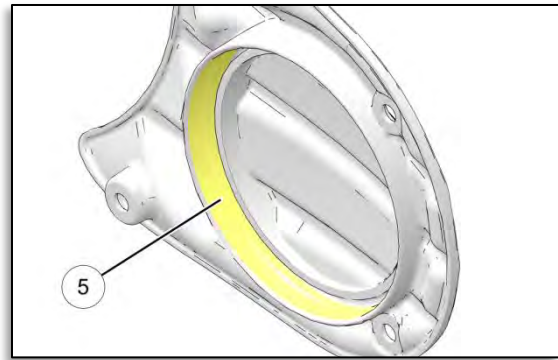
1. Remove 4 socket head cap screws ①.
2. Remove primary access cover ②.
3. Remove and discard the existing seal ③.



4. Clean oil from primary cover seal interface area ④.

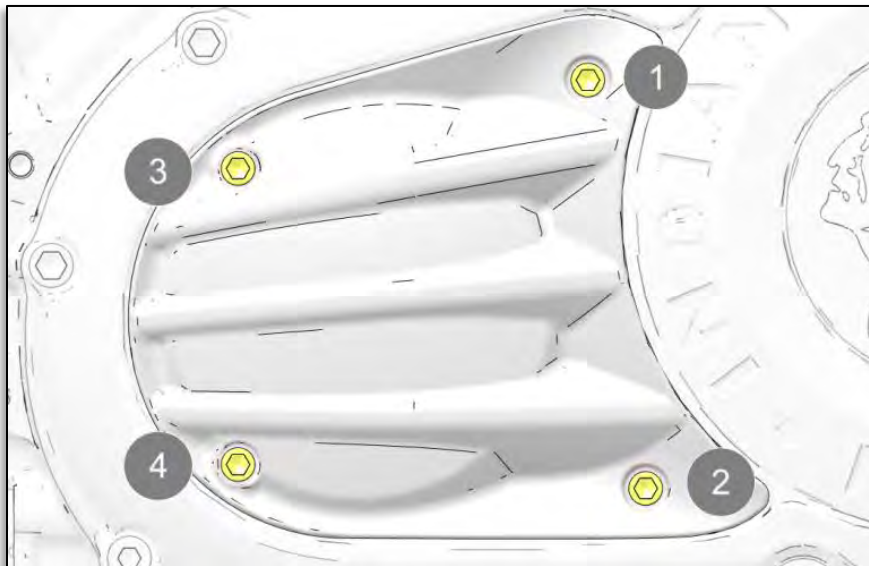


5. Clean oil from access cover seal interface area ⑤.
6. Plug access hole in primary cover with a clean, lint free cloth to prevent debris from entering the engine.
7. Using 240 grit emery cloth, lightly sand chrome on OD of seal interface ④.
Use 6 – 10 passes to remove the sheen from the chrome.



8. After sanding, clean the primary cover OD area along with the back of the seal with denatured alcohol.
9. Assemble new seal (P/N 5415433) onto the primary cover OD, making sure the seal is **fully seated**.
10. Assemble the primary access cover ②, hold cover in place firmly while torquing the screws ① to 7.4 ft-lbs (10 Nm).

NOTE: Follow torque sequence outlined below for primary access cover screws.



WARRANTY INFORMATION

The Primary Access Cover Seal is covered under the factory 2-year warranty period.

CLAIM TYPE	Wholegood Stock (WS) or Standard (ST)
LABOR ALLOWANCE	18 Minutes (0.3 hours)
PART NUMBER / DESCRIPTION	5415433 – Seal, Primary Access Hole (QTY.1)
FAIL CODES	101/169/159



SLINGSHOT



POLARIS



Team Tips

ARTICLE: T-16-01-01

DATE: Jan 14, 2016

Published for Polaris Dealerships, Distributors, and Service Technicians

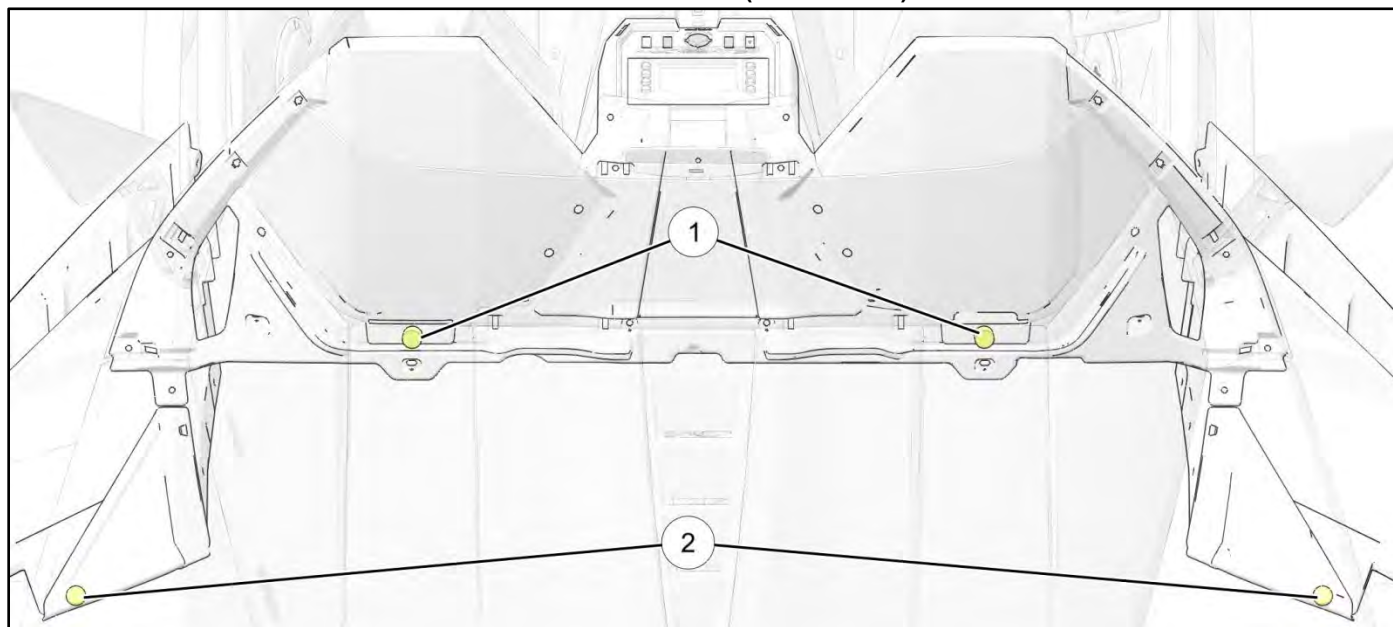
SUBJECT: SLINGSHOT – HOOD BUMPER REPLACEMENT KIT

MODELS: ALL 2015-2016 SLINGSHOT MODELS

The Slingshot Division of Polaris Industries has developed a hood bumper replacement kit for all 2015 and 2016 Slingshot models. The original hood isolator brackets are composed of a rubber pad adhered to a metal support bracket. In some cases, the rubber pads may separate from the metal support bracket due to heat and vibration.

If a vehicle is experiencing separation of the rubber pad from the metal support bracket, the hood bumper replacement kit (PN 2206305) should be installed. The kit includes four rubber isolation bumpers and installation instructions and is intended to be used with the existing support brackets mounted to the hood. The Polaris Online Electronic Parts Catalog has been updated to include the new hardware.

HOOD BUMPER KIT (PN 2206305)



REF	QTY	PART DESCRIPTION
1	2	Rubber Bumper – Tall
2	2	Rubber Bumper – Short



V-16-01-01

VOICE of



January 14, 2016

Published for Victory Dealers, Distributors, and Service Staff

SUBJECT: VICTORY EMPULSE TT DIAGNOSTIC SOFTWARE AND SPECIAL TOOLS

MODELS: EMPULSE TT

Special Tools

Special tool kits will begin shipping early 2016. If communication with a bike is needed prior to receiving cables, please contact Victory Technical Service. There are a limited number of kits that can be loaned if needed.

The Empulse TT Service Communication poster that was recently sent out contains an optional tool that will not be offered.

<https://www.polarisdealers.com/files/ServWarr/English/Victory-ServiceComm-EmpulseTT.pdf>

Kit #2 (PV-51896) will not be shipped out or offered on the Bosch Special Tools website. The software used to connect to the Empulse TT has been updated and can be run on a 32 or 64 bit laptop. We recommend using the same computer currently used for Digital Wrench applications. Additionally, the software used to communicate with the 2016 Victory Empulse TT is also used to communicate with Legacy Brammo products.

KIT #2, PV-51896

- This kit is an OTC Genisys Touch Tablet with all required software already loaded. A tablet or laptop running 32 bit Windows 7 or greater for a time system is required. This kit is optional, a standard laptop running 32 bit version of Windows 7 or greater is also acceptable.

No Longer Offered



Downloading the Diagnostic Software

The Victory Empulse TT does not use the Digital Wrench software or any of the Digital Wrench cables that other Victory Motorcycles use.

Log in to your Polaris dealer website and go to Digital Wrench Update under Service and Warranty. There will be a new Brammo folder that will include all the necessary software and diagnostic files. Download and install the following three software files:

- Battery Diagnostics
- MC Setup Application
- Vehicle Diagnostics Application

You will also need to download and save the calibration files. You can do this by clicking on "Calibrations" under the Brammo Diagnostics, then click on "All Calibrations in Zip File Format."

Please submit an Ask Polaris® case or contact Victory Technical Service if you have any questions.

DOWNLOADS

[Downloads Main | Add Download | New | Popular | Top Rated]

Category: **Main/Brammo Diagnostics**

Calibrations (7) NEW Calibration Files

Sort Downloads by: Title (A-Z) Date (A-Z) Rating (A-Z) Popularity (A-Z)
Resources currently sorted by: Title (A-Z)

- Battery Diagnostics NEW**
Description: Contact Polaris Technical Support for additional information
Version: Filesize: 0 bytes
Added on: 08-Dec-2015 Downloads: 12
[HomePage](#) | [Rate Resource](#) | [Details](#)
- MC Setup Application NEW**
Description: Contact Polaris Technical Support for additional information
Version: Filesize: 0 bytes
Added on: 08-Dec-2015 Downloads: 8
[HomePage](#) | [Rate Resource](#) | [Details](#)
- Vehicle Diagnostic Application NEW**
Description: Contact Polaris Technical Support for additional information
Version: Filesize: 0 bytes
Added on: 08-Dec-2015 Downloads: 11
[HomePage](#) | [Rate Resource](#) | [Details](#)

The following matrix lists the firmware and configuration files used on Empulse TT along with the program used to upload the file to the bike. After the file is uploaded to the bike, the Version Displayed should match what is in the controller.

Firmware Type	Program Used	Filename	Version Displayed
Dash	Victory Diagnostics	92906016_2_11_FIRMWARE_DASH_ICU.BIN	01.02.11
VCU F130	Victory Diagnostics	75516491_VCU2V2M26.BIN	05.02.26
VCU CPI 506	Victory Diagnostics	89210795_CPIV1_22.BIN	01.01.22
BMC	Battery Diagnostics	54302376_8X_00M67_FIRMWARE_BMS.BIN	87.00.67
Motor Controller	Victory MC Setup	19680795_SN0076-07_0X3F53.dld	SN0076.07 ROM checksum: 0x3f53
M.C. Configuration	Victory MC Setup	77218397_02_SCFG_0076-07_0x6e21.dcf	Configuration checksum: 0x6e21

Diagnostic Cables and Connector Locations

In addition to Empulse TT, cables are also being included to service legacy Brammo products. The matrix below illustrates what cables to use when connecting to various products and where the diagnostic connector is located. If you have questions or need assistance diagnosing an issue on legacy Brammo product, please contact Victory Technical service.

	Batteries		Dash/VCU		Motor Controller	
	Cables	Connector Location	Cables	Connector Location	Cables	Connector Location
2016 Victory Empulse TT	PV-51900	Under upper console, on battery	PV-51898 PV-51899	Front/RH side just under frame behind plastic	PV-51898 PV-51899	Front/RH side just under frame behind plastic
2014 Brammo Empulse	PV-51900 PV-51901 PV-51902	Communication port, Module 1 (upper, rearmost)	PV-51898 PV-51899	Front/RH side just under frame behind plastic	PV-51898 PV-51899	Front/RH side just under frame behind plastic
2013 Brammo Empulse	PV-51900 PV-51901 PV-51902	Communication port, Module 1 (upper, rearmost)	PV-51898 PV-51899	Front/RH side just under frame behind plastic	PV-51898 PV-51899	Front/RH side just under frame behind plastic
2012-2013 Brammo Enertia Plus	PV-51900 PV-51901 PV-51902	Right/Rear of Module 2 (upper)	PV-51897 PV-51898	Backside of the dash	PV-51898 PV-51899	Front/RH side just under frame behind plastic
2011-2012 Brammo Enertia Basic	NA	NA	PV-51897 PV-51898	Backside of the dash	PV-51898 PV-51899	Front/RH side just under frame behind plastic
2009-2010 Brammo Enertia Legacy	NA	NA	PV-51897 PV-51898	Backside of the dash	PV-51897 PV-51898	Backside of Dash