

Part 573 Safety Recall Report

16V-446

Manufacturer Name : Indian Motorcycle Company

Submission Date : JUN 16, 2016

NHTSA Recall No. : 16V-446

Manufacturer Recall No. : I-16-02



Manufacturer Information :

Manufacturer Name : Indian Motorcycle Company

Address : 2100 Highway 55

Medina MN 55340

Company phone : 999

Population :

Number of potentially involved : 18,367

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2014-2016 Indian Motorcycle Chief Classic, Dark Horse, Vintage, Chieftain, Chieftain Dark Horse, and Roadmaster

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The affected vehicles were identified based on manufacturing records. The VINs identified contain all of the potentially affected machines.

Production Dates : APR 15, 2013 - JUN 16, 2016

VIN Range 1 : Begin : 56KCCVAA6E3000030 **End :** 56KTHAAA5G3341805 Not sequential

Description of Defect :

Description of the Defect : In the event of an ignition misfire on 2014-2016 Indian (Chief Classic, Chief Darkhorse, Vintage, Chieftain, Chieftain Darkhorse, Springfield, Roadmaster) motorcycles, unburned fuel can pass into certain parts of the exhaust system, which can cause elevated exhaust temperatures that may pose a fire hazard.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the temperature of the catalyst is sufficient to ignite unburned fuel, certain exhaust components may become hot enough to damage the motorcycle or cause personal injury.

Description of the Cause : Existing engine calibration does not utilize gross misfire detection strategy if a misfire should occur.

This safety recall will consist of a re-flash of the Engine Control Module (ECM) to add a feature to detect engine misfires, and, in the case of repeated misfires, shut off the fuel to that cylinder for the duration of the ignition key cycle. When misfire is detected, a yellow malfunction indicator light (MIL) in the dash will illuminate.

Identification of Any Warning that can Occur : In the event of a misfire, operators may experience a reduction in engine performance.

Supplier Identification :

Component Manufacturer

Name : Indian Motorcycle / Polaris Industries
Address : 2100 Highway 55
Medina MINNESOTA 55340
Country : United States

Chronology :

On April 30th of 2015, Polaris received a notification related to this issue and responded by sending out a technical representative to investigate and perform an analysis on site. From that date, Polaris had been working to determine the root cause of that claim, and monitoring any subsequent occurrences.

Upon notification of this issue, Polaris began to review all motorcycle claims to try and establish a pattern. Based upon an analysis of field claims, discussions with the software vendor and a thorough evaluation of the system a decision was made to perform a safety recall for the misfire.

To date, there have been no reports of injury or vehicle loss due to this misfire issue.

Description of Remedy :

Description of Remedy Program : Indian Motorcycle will issue a Safety Recall Bulletin to all Indian Motorcycle dealers, with instructions required to reflash the ECM with no cost to motorcycle owners. The reflash should take about one half hour to perform; however, it may take longer due to service scheduling requirements.

How Remedy Component Differs from Recalled Component : This safety recall will consist of a re-flash of the Engine Control Module (ECM) to add a feature to detect engine misfires, and, in the case of repeated misfires, shut off the fuel to that cylinder for the duration of the ignition key cycle. When misfire is detected, a yellow malfunction indicator light (MIL) in the dash will illuminate.

Identify How/When Recall Condition was Corrected in Production : On June 10th, 2016, all motorcycles that were currently being produced with the previous version of the ECM software were updated at production with the current version.

The last VIN produced with the previous ECM software was:

56KTHAAA5G3341805

Recall Schedule :

Description of Recall Schedule : Upon review and approval from NHTSA, Polaris will contact dealers and consumers advising them of the voluntary safety recall bulletin regarding the ECM reflash.

Planned Dealer Notification Date : JUN 24, 2016 - NR

Planned Owner Notification Date : JUL 01, 2016 - NR

* NR - Not Reported