Part 573 Safety Recall Report 16V-679

Manufacturer Name : Ducati North America
Submission Date : SEP 18, 2016
NHTSA Recall No. : 16V-679
Manufacturer Recall No. : RCL-16-003

Manufacturer Information :

Manufacturer Name : Ducati North America
Address : 10443 Bandley Drive
Cupertino CA 95014
Company phone : 408-253-0499

Population :

Number of potentially involved : 1,433
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2016-2017 Ducati XDiavel
Vehicle Type : MOTORCYCLES
Body Style : OTHER
Power Train : GAS
Descriptive Information : On- highway performance cruiser motorcycle
Production Dates : JUL 07, 2015 - JUN 22, 2016
VIN Range 1 : Begin : ZDM13BKW0GB000009 End : ZDM13BKW5HB005787 ☐ Not sequential

Description of Defect :

Description of the Defect : On all motorcycles involved the final drive pulley retaining nut has been tightened to 186Nm; this torque may not guarantee sufficient axial preload on the pulley. Also, , the side stand plate lower fastening screw has been tightened at 42Nm; this torque may not guarantee sufficient axial preload on the lower side stand plate screw.

FMVSS 1 : NR
FMVSS 2 : NR

Description of the Safety Risk : If the final drive pulley retaining nut loses axial preload, eventually (depending on the riding condition), the belt primary drive pulley could spin on the countershaft resulting in loss of power transmission to the rear wheel. If the lower side stand plate screw loses its torque 2 different events may occur:
1) when the bike is parked on the side stand, the side stand plate could deform and break due to the excessive overload, causing the bike to fall;
2) during normal use on the road, the loosening of the lower screw could cause damage to the side stand sensor switch, causing the engine to stall.

Description of the Cause :	The final drive pulley retaining nut prescribed torque cannot always guarantee the axial preload on the pulley, and thus is not sufficient to properly secure the pulley. Regarding the side stand plate screw, the prescribed torque cannot always guarantee the proper axial preload, and thus is not sufficient to properly secure the fastening of the side stand plate screw.
Identification of Any Warning that can Occur :	Regarding the final drive pulley retaining nut there is no warning which can precede. Regarding the side stand plate lower screw, if it loses its torque, the rider could experience an excessive bike lean angle when it is parked on the side stand.

Supplier Identification :

Component Manufacturer

Name :	NR
Address :	NR
	NR
Country :	NR

Chronology :

At the beginning of June 2016 Ducati received the first field report from the US market of a motorcycle where the belt primary drive wheel spun on the countershaft. During the months of July and August 2016 Ducati received an additional 13 field reports with similar complaints, 4 from the US market. Also on June 2016 Ducati received 2 field reports from Europe stating that the bikes had fallen down when parked on the side stand. Ducati started and internal technical investigation of the issue. During the months of July and August 2016 Ducati received an additional 9 field reports with similar complaints, 2 from the US market. At this time, Ducati initiated an analysis of the root cause of these issues, and on September 12, 2016 Ducati determined that a worldwide safety Recall was justified.

Description of Remedy :

Description of Remedy Program :	Regarding the final drive pulley retaining nut an official Ducati dealer will install a new washer made with a harder material, and will tighten the final drive pulley retaining nut to an increased torque of 250 Nm (previously 186 Nm), free of charge. Regarding the side stand plate fastening screw an official Ducati dealer will replace the lower side stand plate fastening screw with a new one that is more resistant; this will be a

	strength class of 10.9 in comparison to the previous strength class of 8.8. The stronger screw allows for a torque increase to 65 Nm (previously 42 Nm). Additionally, the dealer will apply a stronger threadlock to the screw thread. Moreover, this stronger threadlock remedy application will also be applied to the upper side stand plate fastening screw. This will be free of charge. A Ducati North America Recall Bulletin is scheduled to be published to the Ducati Dealer Network using the established communication process. Owner notification letters are expected to mail within 60 days from submission of this report.
How Remedy Component Differs from Recalled Component :	Regarding the final drive pulley retaining nut, the sole difference between the old and new solution is the torque value of the nut and the replacement of the washer, with one that is made of a harder material. Regarding the side stand plate fastening screw the only difference between the old and new solution is the lower side stand plate fastening screw that is now at a strength class of 10.9, and a stronger threadlock will be applied on both side stand plate fastening screws. The old screw compared with the new screw can be recognized by a different punched number on the screw head; the old one has punched “8.8” while the new one has punched “10.9”.
Identify How/When Recall Condition was Corrected in Production :	The same remedies have been introduced in the production line.

Recall Schedule :

Description of Recall Schedule :	A Ducati North America Recall Bulletin will be published to the network of dealers through an established communication process. We estimate that we will initiate the Recall contact process for affected motorcycle customers by the first week of November 2016, immediately upon parts becoming available. Owner notification letters will be mailed within 60 days from submission of this report.
Planned Dealer Notification Date :	OCT 10, 2016 - OCT 11, 2016
Planned Owner Notification Date :	NOV 07, 2016 - NOV 08, 2016

* NR - Not Reported