

# Part 573 Safety Recall Report

# 21V-502

**Manufacturer Name :** Aprilia USA, Inc.**Submission Date :** JUL 01, 2021**NHTSA Recall No. :** 21V-502**Manufacturer Recall No. :** PA2ZZQ2107**Manufacturer Information :**

Manufacturer Name : Aprilia USA, Inc.

Address : 257 Park Avenue South  
4th Floor New York NY 10010

Company phone : 949-645-0030

**Population :**

Number of potentially involved : 308

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2021-2021 Aprilia RS 660

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

**Descriptive Information :** The recall population is determined by the supplier communication to Piaggio about their production batch involved, through the component traceability.  
The recall includes all vehicle models manufactured within the batch communicated by supplier.

Production Dates : FEB 03, 2021 - JUN 05, 2021

VIN Range 1 : Begin : ZD4KSUA01MS000662 End : ZD4KSUUA04MS00083  Not sequential

Vehicle 2 : 2021-2021 Aprilia Tuono 660

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

**Descriptive Information :** The recall population is determined by the supplier communication to Piaggio about their production batch involved, through the component traceability.  
The recall includes all vehicle models manufactured within the batch communicated by supplier.

Production Dates : FEB 03, 2021 - JUN 05, 2021

VIN Range 1 : Begin : ZD4KSUE04MS000231 End : ZD4KSUE03MS000673  Not sequential**Description of Defect :**

**Description of the Defect :** The heat treatment applied to a specific batch of crankshaft con rods were not compliant with drawing specifications. We have 59 affected vehicles that have been sold to consumers, 219 in dealer stock and 30 in our warehouse.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Con rod breakage could cause sudden engine stop, which could lead to a crash.

Description of the Cause : The heat treatment applied to a specific batch of con rods was not compliant with drawing specifications.

Identification of Any Warning that can Occur : engine would become noisy before breakage would occur.

## Involved Components :

Component Name 1 : Crankshaft Con Rod

Component Description : Con rods that connect the crankshaft to the pistons

Component Part Number : 1A011945

## Supplier Identification :

### Component Manufacturer

Name : SPT srl

Address : Via Zocco, 13  
Adro Foreign States 25030

Country : Italy

## Chronology :

To date we have recorded total of 3 warranty claims WW:

- 1) 04/13/21 France
- 2) 06/07/21 Sweden
- 3) 06/08/21 Benelux

The 1st engine returned from the network on 04/17/21 and was diagnosed on 04/19/21.

Reject result issued to the supplier on 04/19/21.

Inspection visit on 04/28/21 at Citt.

Inspection visit on 05/21/21 at SPT.

Received 8D updated by the supplier on 06/22/21.

Definition and implementation of Permanent Corrective actions on June 25th, 2021.

There are no accidents, deaths or injuries related due to this failure nor on the 3 WW warranty claims recorded

to date

## Description of Remedy :

**Description of Remedy Program :** To address this situation, Aprilia USA will conduct a recall of models within the affected VIN range. Aprilia USA, through the qualified Aprilia dealer network, will replace the engine in your vehicle with a new engine. . This repair campaign will eliminate any potential safety risk. The work required by this recall may be completed by your qualified Aprilia dealer at no charge to you for the required parts and labor. The work time for the repair is approximately 346 minutes.

**How Remedy Component Differs from Recalled Component :** The stamping code is shown on the connecting rod. The code on the connecting rods with the defect was only "DA".

**Identify How/When Recall Condition was Corrected in Production :** A barcode system has been introduced by sub-supplier Citt which avoids manual loading of heat treatment settings. Furthermore, while before the connecting rods breakage, the heat treatment program was inserted based on the type of material and hardness of the connecting rods (therefore potentially common to several connecting rod codes of different Customers), a unique heat treatment is now defined by connecting rod code (PN 1A011945) in order to avoid performing the incorrect process.

Supplier SPT srl has increased the checks on the Aprilia connecting rods, checking 20 pieces (hardness on 5 pieces) on all the batches received from sub-supplier.

## Recall Schedule :

**Description of Recall Schedule :** We would like to post the bulletin notifying the dealers on July 2nd. We would like to start sending the letters to the 59 customers on July 7 or as soon as the customer letter has been approved and the NHTSA number has been provided.

**Planned Dealer Notification Date :** JUL 02, 2021 - JUL 02, 2021

**Planned Owner Notification Date :** JUL 07, 2021 - JUL 16, 2021

\* NR - Not Reported