



*Apache*

RTR 160 & 180

**SERVICE MANUAL**

## NOTICE

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All information included in this manual is based on the latest product information available at the time of approval for printing.

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## FOREWORD

We are happy to provide you the first edition of TVS Apache RTR 160 & RTR 180 bike service manual.

This manual is prepared to provide assistance during the process of servicing the **TVS RTR 160 Single Disc, Dual Disc & RTR 180 Dual Disc** bikes. This manual describes about the basic operations of this new product, do's and don't's, service limits of individual components and sub systems while servicing the **TVS Apache RTR** bike. We request all of our technicians to carefully go through this manual and follow the instructions given.

All instructions and illustrations of this manual are prepared based on the latest information available during the preparation of manual. Modifications or any improvements will be communicated through '**Service Information Bulletin**' from time to time.

This manual will help to technicians who already have technical knowledge about bike.

While servicing, certain parts may require replacement, for ordering spares please refer '**Apache RTR 160 & RTR 180 parts catalogue**'.

Incase, you face any critical problems during the course of servicing and if you need any further clarifications or technical assistance you may contact our service personnel.

You may also contact us at

**PT TVS Motor Company Indonesia,  
Kantor Sales & Marketing,  
Gedung Wirausaha Lantai 3 Ji,  
HR Rasuna Said Kav. C-5  
Kuningan, Jakarta 12920  
Indonesia  
Tel: +62 21 300 20570 Fax: +62 21 300 20576**

# HOW TO READ THIS MANUAL

This service manual is split into seven chapters as “General information”, “Periodic maintenance”, “Servicing of engine”, “Fuel, Lubrication and Exhaust system”, “Electrical system”, “Chassis” and “Service information”.

Mostly the pages run through two columns in the inside pages with instructions on left side and the illustrations on the right side. Some of exploded views occupy full pages. In between running instructions and notations used are as per the examples given below:

**Heading:-** CHAIN ASSEMBLY DRIVE

**Sub heading:-** Chain slackness

**Note:-** This provides further clarification for clear understanding of any particular information/operation/data.

**Note:**  
Before reassembling chain assembly, clean the sprocket engine and sprocket rear.

**Caution/warning:-** This indicates special procedures of precautions to be followed by the technicians during service. Avoiding these messages may cause injury to them as well as damage to the components.

**Caution:**  
Do not use molter grease to lubricate ‘O’ ring chain.

**Hand tools:-**

17 mm spanner

**Special tools:-**

Part number	Part description
N5310070	Tool nut crankshaft RH

**Service limits:-**

Service limit	0.05 mm
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