

BL Motorcycles Ltd

Professional Workshop Manual - English Translation

Benelli - Tornado_Naked_Tre_1130_(ENG)

Tornado Naked Tre 1130 - Tornado Naked Tre Sport

Cafè 1130 Racer - Titanium

Owner's Manual

Tornado Naked Tre 1130

Tornado Naked Tre 1130

1 General information	1
1.1 Symbols	2
1.2 Identification data	3
2 Safety information	5
2.1 Safety	5
2.1.1 Motorcycle modification and trim	
personalization	5
2.1.2 General safety regulations	6
2.1.3 Vehicle load	8
2.1.4 Use of the vehicle in competitions	9
2.1.5 Advices for safe riding	9
2.1.6 Protective clothing	12
2.1.7 Suggestions against theft	13
2.2 Safety -	
Visual and acoustic signals	14
3 Controls and instruments	15
3.1 Location of controls and instruments	15
3.2 Side stand	16
3.3 Handlebar controls, left side	17
3.4 Handlebar controls, right side	19
3.5 Ignition switch and steering lock	21
3.6 Gear lever	23
3.7 Instruments and warning lights	24
3.7.1 Multifunction display	25
4 Operation	26
4.1 Using the motorcycle	26
4.2 Pre-riding checks	27
4.3 Running-in	29
4.4 Selecting the display functions	30
4.5 Adjusting the clock	33
4.6 Parking the motorcycle	34
4.7 Saddle disassembly driver	35
4.8 Saddle disassembly passenger	35
4.9 Refuelling	36
4.10 Starting the engine	38

BL Motorcycles Ltd

Professional Workshop Manual - English Translation

4.11 Improve our riding skills	39
5 Adjustments	40
5.1 List of adjustments	40
5.2 Recapitulatory table of adjustments	42
5.3 Adjustments that can be done by user	43
5.3.1 Front brake lever adjustment	43
5.3.2 Adjusting the rearview mirrors	43
5.3.3 Front projector regulation	44
5.3.4 Adjustment of minimum engine rpm	44
5.3.5 Front projector lamps replacement	45
5.4 Adjustments that has to be done by a Benelli Q.J. Authorized Workshop	46
5.4.1 Clutch lever play	46
5.5 Adjusting the rear suspension	47
5.5.1 Adjusting rear suspension spring preload	49
5.5.2 Adjusting rear suspension rebound damper hydraulic device	49
6 Maintenance	51
6.1 Tables of scheduled maintenance and checks	51
6.2 Tools and accessories supplied	60
6.3 Table of lubricants and fluids	61
6.4 Checking the engine oil level	62
6.4.1 Topping up the engine oil level	63
6.5 Checking the coolant level	65
6.5.1 Topping up the coolant level	66
6.6 Checking the wear of the brake pads	68
6.7 Checking the brake fluid level	69
6.8 Checking the tires and rims	71
6.8.1 Checking of the rims and the wheel rims	73
6.9 Cleaning checking and lubricating the drive chain	74
6.9.1 Cleaning	75
6.9.2 Lubrification	75
6.10 Checking the idle speed	76
6.11 Replacing the fuses	77
6.12 Battery	79
6.13 Cleaning the motorcycle	80
6.14 Prolonged inactivity	82
7 Technical information	83
7.1 Specifications	83
8 Variants Sport-Titanium-Cafè Racer....	89
8.1 Adjusting the front suspension	90

BL Motorcycles Ltd

Professional Workshop Manual - English Translation

8.1.1 Adjusting front suspension spring preload	91
8.1.2 Adjusting front suspension rebound damper hydraulic device	91
8.1.3 Adjusting front suspension compression damper hydraulic device	92
8.2 Adjusting the rear suspension	93
8.2.1 Adjusting rear suspension spring preload	95
8.2.2 Adjusting rear suspension rebound damper hydraulic device	95
8.2.3 Adjusting rear suspension compression damper hydraulic device	96
8.2.4 Hydraulic compression braking system at high-speed back-wheel suspension	96
9 Power Control System	98
9.1 Power Control System Activation	99
10 For USA version only	101

Tornado Naked Tre 1130

Tornado Naked Tre 1130

1 General information

Dear Customer,

We invite you to read this Owners Manual before using your new TORNADO NAKED TRE 1130. It contains important information for a safe use of the vehicle and to keep it in perfect working order.

Keep it by putting it in the special papers-case compartment.

We remain you, however, that TORNADO NAKED TRE 1130 is a high performance vehicle that needs to be ride with attention and skill.

You better refrain from driving the vehicle out of bounds, if you are not sure of tour ability in managing it; however, when you ride on public street or open to the public, you have to scrupulously observe the Highway Code.

Always remember to use a homologated helmet, of your size, and always correctly laced up. We recommend you, besides, always to wear an appropriate protective wear.

1.1 Symbols

In order to make more simple and readably the most important information, we have used the following symbols:

Danger Warns you that there is a serious intrinsic danger that could cause personal injuries and deadly accidents in case you dont follow the supplied directions.

Warning Warns you that there is a danger that could cause personal injuries and deadly accidents in case you dont follow the supplied directions.

Caution Reminds you a safety practice you better follow or an unsafety activity you better avoid if you dont want to risk undergo personal injuries or to damage your vehicle.

Benelli Q.J. reserves the right to make any changes, whenever deemed, to its products and to this manual. Wherever you will find any dissimilarity between what is written on tihs Owners Manual and the specific fitting-out of your vehicle, dont hesitate to download from the web site www.benelli.com the update version of the Owners Manual, or contact the Customer Service Benelli Q.J. calling +39 0721.418740, which will arrange to send to you the new update version.

BL Motorcycles Ltd

Professional Workshop Manual - English Translation

Tornado Naked Tre 1130

Tornado Naked Tre 1130

1.2 Identification data

1. vehicle identification number

2. engine serial number

3. homologation data

We recommend writing down the main numbers in the spaces provided below.

FRAME No. ZBN _____

ENGINE No. _____

COLOR CODE _____

KEY No. _____

Identification motorcycle

The motorcycle is identified by the matriculation frame number.

Motorcycle key identification

The key, supplied in four copies, can be used both for starting the motorcycle and for operating all the locks.

Keep the key copies in a safe place.

Knowing the key identification number is essential in case you need to ask for a duplicate of the key.

Identification of motorcycle colour combination

The colour code must be mentioned when ordering body spares. This code can be read on the labels placed under the saddle.

Spare parts order

If you need to order spare parts, beside the matriculation frame number, it can be necessary to mention the engine number, the colour code and the key identification number.

2) engine serial number

3) homologation data

1) vehicle identification number

key identification number

labels

colour code

Tornado Naked Tre 1130

Tornado Naked Tre 1130

2 Safety information

2.1 Safety

2.1.1 Motorcycle modification and trim personalization

WARNING It is strictly forbidden to intervene on the vehicle by modifying the mechanical components or by replacing them with non genuine spare parts. All this activities make the vehicle homologation forfeit rendering it unusable for public street use, and can also cause

BL Motorcycles Ltd

Professional Workshop Manual - English Translation

serious damages for the user and for the vehicle itself. Benelli Q.J. is not responsible for any damage to persons or things caused by any modifications of the motorcycle original conditions.

It is possible to personalize the suspension trim by working on the special adjustments this activity is absolutely unwary unless the user is absolutely confident in his technical ability. The trim adjustment can compromise the motorcycle safe use and, therefore, it has to be done only by expert persons. Wherever you want to personalize the motorcycle trim in relation to your personal requirements, we suggest you to apply to a Benelli Q.J. Authorized Workshop. You can find the Benelli Q.J. Authorized Workshop list on Benelli Q.J. web site www.benelli.com or calling the Benelli Q.J. Customer Service dialling +39 0721.418740.

2.1.2 General safety regulations

Before you start riding make sure you keep in mind the controls, characteristics, working and limits of the motorcycle. In order to guarantee the vehicle maximum efficiency and reliability it is essential that your Benelli Q.J. Authorized workshop does all the maintenance operations written o