

# **BL Motorcycles Ltd**

*Professional Workshop Manual - English Translation*

## **Benelli - TnT\_(eng)**

### Use and Maintenance

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 Sidestand .....	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 Preriding 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
4.11 Improve our riding skills .....	39
5 Adjustments .....	40

# BL Motorcycles Ltd

*Professional Workshop Manual - English Translation*

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 Front projector lamps replacement .....	45
5.4 Adjustments that has to be done by a Benelli 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... 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 Lubrication .....	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 and Titanium .....	89
8.1 Adjusting the front suspension .....	90
8.1.1 Adjusting front suspension spring preload ...	91
8.1.2 Adjusting front suspension rebound	

# BL Motorcycles Ltd

Professional Workshop Manual - English Translation

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 .....	98
9.2 Power Control System Activation .....	99

## 1 General information

Dear Customer,

We invite you to read this Owners Manual before using your new TNT. 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 remind you, however, that TNT is a high performance vehicle that needs to be ridden with attention and skill.

You better refrain from driving the vehicle out of bounds, if you are not sure of your 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 readily 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 unsafe activity you better avoid if you dont want to risk undergo personal injuries or to damage your vehicle.

Benelli SpA 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 this Owners Manual and the specific fitting-out of your vehicle, dont hesitate to download from the web site [www.benelli.com](http://www.benelli.com) the update version of the Owners Manual, or contact the Customer Service Benelli calling 800342300, which will arrange to send to you the

# BL Motorcycles Ltd

Professional Workshop Manual - English Translation

new update version.

## 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 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 serious damages for the user and for the vehicle itself. Benelli 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

# **BL Motorcycles Ltd**

*Professional Workshop Manual - English Translation*

suggest you to apply to a Benelli Authorized Workshop. You can find the Benelli Authorized Workshop list on Benelli web site [www.benelli.com](http://www.benelli.com) or calling the Benelli Customer Service dialling 800342300.

## 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 Authorized workshop does all the maintenance operations written on the Maintenance section of this Owners Manual, following carefully all the directions and suggestions. We advise you against having the maintenance operations and the repairs done by persons or workshops that dont belong to the Benelli Authorized Workshop net. Especially we advise you against doing on your own the maintenance operations and the repairs on your TNT!