

## Benelli - montaggio\_manutenzione\_nuovo\_english

Tornado Naked Tre 899 - Tornado Naked Tre 899 S  
Owner's Manual  
Tornado Naked Tre 899

1 General information .....	1
1.1 Symbols .....	2
.....	3
2 Safety information .....	5
2.1 Safety .....	5
2.1.1 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 .....	28
4.1 Using the motorcycle .....	28
4.2 Preriding checks .....	29
4.3 Running-in .....	31
4.6 Parking the motorcycle .....	32
4.7 Saddle disassembly driver.....	33
4.8 Saddle disassembly passenger.....	33
4.9 Refuelling .....	34
4.10 Starting the engine .....	36
4.11 Improve our riding skills .....	37
5 Adjustments .....	38
5.1 List of adjustments .....	39
5.2 Recapitulatory table of adjustments.....	40
5.3 Adjustments that can be done by user...41	
5.3.1 Front brake lever adjustment .....	41
5.3.2 Adjusting the rearview mirrors .....	41

# BL Motorcycles Ltd

## Professional Workshop Manual - English Translation

5.3.3 Front projector regulation .....	42
5.3.4 Adjustment of minimum engine rpm.....	42
5.3.5 Front projector lamps replacement .....	43
5.4 Adjustments that has to be done by a Benelli Q.J. Authorized Workshop .....	44
5.4.1 Clutch lever play .....	44
Tornado Naked Tre 899	
5.5 Adjusting the rear suspension .....	45
5.5.1 Adjusting rear suspension spring preload .....	47
5.5.2 Adjusting rear suspension rebound damper hydraulic device .....	47
6 Maintenance .....	49
6.1 Tables of scheduled maintenance and checks .....	49
6.3 Table of lubricants .....	59
6.4 Checking the engine oil level .....	60
6.4.1 Topping up the engine oil level .....	61
6.5 Checking the coolant level .....	63
6.5.1 Topping up the coolant level.....	64
6.6 Checking the wear of the brake pads.....	66
6.7 Checking the brake .....	67
6.8 Checking the tires and rims .....	69
6.8.1 Checking of the rims and the wheel rims....	71
6.9 Cleaning checking and lubricating the drive chain .....	72
6.9.1 Cleaning .....	73
.....	73
6.10 Checking the idle speed .....	74
6.11 Replacing the fuses .....	75
6.12 Battery .....	77
6.13 Cleaning the motorcycle .....	78
6.14 Prolonged inactivity .....	80
7 Technical information .....	81
.....	82

Tornado Naked Tre 899

11 General information

Dear Customer,

We invite you to read this Owners Manual before using your new TORNADO NAKED TRE 899.

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 TORNADO NAKED TRE 899 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 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.

Tornado Naked Tre 899

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 don't follow the supplied directions.

**Warning** Warns you that there is a danger that could cause personal injuries and deadly accidents in case you don't follow the supplied directions.

**Caution** Reminds you a safety practice you better follow or an unsafety activity you better avoid if you don't want to risk under go 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 vehicle, don't 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 Q.J. calling +39 0721.418740, which will arrange to send to you the new update version.

2  
1. Frame serial number  
2. Engine serial number  
3. Homologation data  
Tornado Naked Tre 899  
We recommend writing down the main numbers in the spaces provided below.

FRAME No. ZBN \_\_\_\_\_  
ENGINE No. \_\_\_\_\_  
COLOR CODE \_\_\_\_\_  
KEY No. \_\_\_\_\_

3xxxxxxxxxxxxxxxxxxxxxxxxx  
xxxxxxxxxxxxxxxxxxxxxxxxx

Labels  
Color code  
Key identification number  
Tornado Naked Tre 899  
number.

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.

you need to ask for a duplicate of the key.

The color 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.

4  
Tornado Naked Tre 899

2 Safety information

2.1 Safety

2.1.1

**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 Q.J. is not responsible for any

It is possible to personalize the suspension trim by working on the special adjustments this 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

[www.benelli.com](http://www.benelli.com) or calling the Benelli Q.J. Customer Service dialling +39 0721.418740.

5

Tornado Naked Tre 899

### 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. 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 workshop that dont belong to the Benelli Q.J. Authorized Workshop net. Especially we advise you against doing on your own the maintenance operations and the repairs on your TORNADO NAKED TRE 899!

For any necessity or further information dont hesitate to apply to your Benelli Q.J. Distributor or to the nearest Benelli the web site [www.benelli.com](http://www.benelli.com) or calling the Benelli Q.J. Customer Service dialling +39 0721.418740.

The full control of this motorcycle is basic for a safe riding. Therefore it is necessary to start riding with a good concentration and in perfect physical conditions, apart from always assessing the street and atmospheric conditions.

In order to avoid compromising handling and stability of your motorcycle, you should obey the following warnings:

- do not attach any object to the vehicle;
- do not hook a sidecar, a tow or any other accessory to the motorcycle;
- do not remove any part and/or component;
- do not modify the vehicle in any way;

6

Tornado Naked Tre 899

Do not ride this motorcycle if you do not possess a regular driving licence. Failure to heed this warning constitutes a breach of the Highway Code, besides posing a serious hazard to the drivers and other peoples safety.

Always wear a helmet, even on short rides.

Do not start the engine in closed places. Exhaust gases are toxic and can quickly saturate the air and cause fainting or even death.

While riding, always keep both hands on the handlebars.

Park the vehicle where it is unlikely to be bumped into or damaged. Even slight or involuntary bumps can cause the vehicle to topple over, with subsequent risk of serious harm to people or children.

To prevent the vehicle from tipping over, never park it on soft or uneven ground, nor on