



**STURGIS TRIKE B.V**



## **Owner's Manual Sturgis Trike R 18**

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## TABLE OF CONTENTS

INTRODUCTION.....	3
SAFELY OPERATING YOUR R18 TRIKE.....	3
CAPACITY LIMITS.....	4
SPECIFICATIONS.....	4
PARKING.....	5
AVAILABLE ACCESSOIRES&OPTIONS.....	5/6
MAINTENANCE.....	6
WHEELS AND ALIGNMENT.....	7
COOLING.....	7
ALIGNMENT.....	7
LIGHTNING.....	7
ELECTRICAL.....	7
WARRANTY.....	8
THANK YOU.....	8

# INTRODUCTION

Congratulations on acquiring your new Sturgis R18 Trike conversion. Please take the necessary time to become familiar with your vehicle by reading this owner's manual. The more you know and understand about your particular unit the safer and more enjoyable your riding experience will be.

This manual is a supplement to the motorcycle owner's manual, not a replacement for it. Follow all procedures required and recommended by the motorcycle owner's manual.

For more information on Sturgis Trike BV and the products we offer , please visit our website.

[www.sturgisstrike.com](http://www.sturgisstrike.com)

## SAFELY OPERATING YOUR R18 TRIKE

Sturgis Trike BV is committed to offering safe vehicle platforms which accommodate user friendly operation; however, it is necessary for the user to take precautions and follow safety guidelines while operating vehicle. In order to safely operate your R18 Trike, please carefully follow these guidelines as well as the general guidelines for motorcycle operation which can be found in the original motorcycle manual:

- Only operate if you have the proper licensing in your country or state Most states require a motorcycle license or a trike license to operate a three wheeled vehicle. Some European countrys required a car license.
- Always wear a helmet and appropriate safety gear while operating/riding this vehicle.
- Become familiar with the vehicle's controls before operating the vehicle, using the motorcycle's owner's manual as a reference.
- Follow all traffic laws while operating the vehicle
- Unlike a motorcycle ,a trike has to be steered through the turns. **DO NOT LEAN STEER THROUGH TURNS.**
- Follow the maintenance schedule for your particular model in order to ensure the vehicle is mechanically functioning properly. The maintenance schedule can be found in the Maintenance/Service section of the Owner's Manual.
- Do not load the trike with passengers, cargo, accessoires, etc that will result in exceeding the recommended load capacity. This will ensure the vehicle is operating within its designed conditions.

## CAPACITY LIMITS

In order to ensure safe operating conditions for your trike, its imperative to follow the load limits and guidelines listed below in Table 1. These guidelines and load limits are a combination of the motorcycle manufacturer's recommended capacity limits, found in the original owner's manual, and Sturgis Trike's capacity limits.

Capacity	Limit LBS	Limit KG	Description
Maximum total weight capacity	529 LBS	240 KG	Driver, passenger, all cargo and accessoires
Gross vehicle weight rating GWVR	1686.5 LBS	765 KG	Maximum total vehicle weight

Your trike has been designed to carry one driver and one passenger. Differences in acceleration and braking may be noticed when riding with and without a passenger, cargo, or trailer as long as these items are within the given load limits and guidelines, safe operation of the trike can still be achieved.

Please note that exceeding the maximum weight capacity or improperly loading your trike can seriously impair the trike's handling, braking and stability disregarding the load limits and guidelines outlined above can lead to a crash, serious injury, or death

## SPECIFICATIONS

Overall length	118.1 INCH	300 CM
Wheelbase	67 INCH	170 CM
Overall width	63.8 INCH	162 CM
Tire Size Front	205/45/R 17	Pressure 34.8 PSI 2.4 BAR
Tire size Rear	185/55/R 16	Pressure 50.0 PSI 3.5 BAR
Wheel size	17 inch 7J	
Maximum load capacity	529 LBS	240 KG
Suspension Style	Independent Suspension	
Body Material	Polyester Fiberglass	

## PARKING

A runaway vehicle can cause property damage, personal injury, or even death. When parking your trike, use the precautionary steps to ensure the vehicle does not roll away.

- Lock the steering lock.
- Leave the transmission in gear.
- Apply parking brake (if equipped)
- If you must park on a grade, turn your front wheels so that the bike will roll into the curb.

## AVAILABLE ACCESSOIRES&OPTIONS

Sturgis Trike offers an extensive line of accessoires in order to customize your trike. All accessoires and options can be ordered and installed through your local Sturgis Trike dealer.

*-ABS Kit - Part number ST-GL18-ABS*

This will keeps your stock ABS fully fuctional on your R18 Trike.

*-Front Bumpers - Part number ST-701*

With this you can make your Sturgis trike even more special. Aviable in the following models. Long or short model, both aviable in chrome and matt black.

*-First Generation or second generation*

*We have two models aviable, First and second generation nouse. The fist generation is specially desinged for the R18 projects. With the sepprate lights it is unique in his style, see the picture below (Picture 1). The newest project is the new style body of the Sturgis Trike. Want to look more 'sportif' then is this one the best for you*



First Generation (Picture 1)



Second Generation (Picture 2)

ONLY USA Options (All options above will also be possible for USA)

*-Parking Brake - Part number ST-43250*

A additional brake system, so you know your trike isn't going to roll away.

*-Progressive rear spring - Part Number ST-52400-RS*

We advise this to make the driving experience even smoother

*-Rear Car Tire (Replaces the OEM motorcycle tire) - Part Number ST-NA-ECO2 (GL) / ST-HAN-VEN (F6B)*

This will give less tire wear and the best possible grip.

*-Low beam light set (Only Gen 1) - Part Number ST-33100-LB*

*If you have the sharp looking Gen 1 model, the light beams are the must have accessories.*

*-High beam light set (Only Gen 1) -Part Number ST-33100-HB*

*If you have the sharp looking Gen 1 model, the light beams are the must have accessories.*

*-Position light set on front fender - Part Number ST-33140-PO*

*Now the other road drivers can see perfect how wide you are.*

*-Led light red (Mounted on the rear side of the front fenders) -ST-33710-AO*

*For the bes visibility you can have.*

## MAINTENANCE

Your vehicle requires professional services, Sturgis Trike has an extensive dealer network with specially trained technicians capable of servicing or repairing your vehicle. To locate the authorized Sturgis R18 Trike dealer nearest you, go to the Sturgis trike website [www.sturgisstrike.com](http://www.sturgisstrike.com) and access the dealer locator link. To help ensure your vehicle is serviced at the proper intervals, we have included a maintenance schedule found below.

COMPONENT	DAILY	3000 mile / 5000 KM	6000 mile / 10000 KM	
Tire Pressure	X			
Lightning	X			
Coolant Fluid		X		
Brake Fluid		X		
Idler Arms Lubricating		X		
Steering Rods Lubricating		X		
Brake rotors/ Pads			X	
Alignment			X	
Balance wheels and tires			X	
Front radiator cleaning			X	

**X= Inspect, Adjust, Replace if necessary**

## WHEELS TIRES AND ALIGNMENT

Having properly inflated tires is essential to a comfortable and safe ride. The tire pressures on your unit should be checked before each use, this include both front wheels and rear tire. Sturgis Trike recommends 34.8 PSI or 2.4 BAR on the front wheels and 50.0 PSI or 3.5 BAR for the rear tire. Improper tire inflation can result in a drastic change in handling characteristics including but not limited to head shake, vibration, increased body roll and a stiff ride. Improper tire inflation can also lead to a tire blow out. Check your tire pressure before you go on every ride. Improper tire and wheel balancing can result in vibrations at any speed. To prolong the life of your tires, its suggested to have wheels balanced every 6000 miles or 10000 km . Tire maintenance and replacement are vital to your vehicle's performance. If you are experiencing uneven or improper tire wear, the alignment needs to be checked at your local Sturgis R18 Trike dealer. To ensure safety, performance, and reliability, Sturgis Trike does NOT recommended changing the tire or wheel sizes.

## COOLING

The temperature of your engine is important whe have added a 3<sup>rd</sup> radiator in the front assembly. Check coolant fluid as scheduled in the maintenance table. Make sure the that the entrance of air to the radiator is free from leaves or other dirt. Clean the radiator by blowing air to make sure that the radiator is free from dust and dirt.

The Trike kit wire harness, which powers and controls all Fan motors on the trike, is connected to the battery behind the left side cover. If you experience an electrical problem with any of the Fan motors of the trike check the in-line 30 AMP fuse located on the wire running to the + of the battery. DO NOT REPLACE THE FUSE WHIT ONE HIGHER VALUE. If you replace the fuse and it blows again please contact your Sturgis Trike dealer.

## ALIGNMENT

In order to increase the life of the tires and to ensure proper ride and handling characteristics the alignment of the wheels must be checked every 12.000 miles by an authorized Sturgis Trike dealer. If you notice that the tires are wearing prematurely or in unusual fashion, have the alignment checked before the 6000 mile or 10000 km increment.

## LIGHTNING

Check that all lights are working properly before you ride your trike . This includes the Brake lights, headlights, turn signals and marker lights.

## ELECTRICAL

The Trike kit wire harness, which powers and controls all Fan motors on the trike, is connected to the battery behind the left side cover. If you experience an electrical problem with any of the Fan motors of the trike check the in-line 30 AMP fuse located on the wire running to the + of the battery. DO NOT REPLACE THE FUSE WHIT ONE HIGHER VALUE. If you replace the fuse and it blows again please contact your Sturgis Trike dealer.

## WARRANTY

Your Sturgis R18 Trike kit carries a 2 year/60.000 mile warranty. The start date of warranty coverage will be determined by the registration date of the warranty card registration. Any modification or changes to the Sturgis

R18 trike kit, failure to follow the guidelines noted above and/or improper maintenance will void all warranties. Misuse, abuse, accidents, unreasonable use, or Acts of God will not be covered under warranty. Normal wear items are not covered under warranty.

## THANK YOU

Thank you for purchasing our R18 trike conversion. We hope you have many safe, comfortable riding miles on our product.

Again, Thank you for your business and we look forward to meeting you in the future.



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