

Owner's Manual

Spears
RACING
MANTECA, CA.

Safety Precautions

Safety Symbols

In this manual, mounting instructions and other technical documents, important information concerning safety is distinguished by the following symbols:



*The Safety Alert Symbol means:
Warning! Your safety is involved.*

Warning!

The Warning Symbol means: Failure to follow warning instructions can result in severe or fatal injury to anyone working with, inspecting or using the steering damper, or to bystanders.



Caution!

The Caution Symbol means: Special precautions must be taken to avoid damage to the steering damper.



Note!

The Note Symbol indicates information that is important regarding procedures.



Note!

The steering damper is a very important part of the vehicle and will therefore affect the stability.



Read and make sure that you understand the information in this manual and the mounting instructions before you use this product. If you have any questions regarding installation or maintenance please contact Spears Racing


Safety Precautions

Note!

Spears Enterprises LLC/Spears Racing will not be held responsible for any damages to the steering damper, other property or injury to persons, if the instructions for installing and maintenance are not followed properly

Warning!

This product was developed and designed exclusively for Close course racing and not intended for Street use manufacturer.

 *After installing this Steering Damper, take a test ride at low speed to make sure that your vehicle has maintained its stability.*

Note!

When working on this product, always consult your Vehicle Service Manual.

Note!

This Manual should be considered as a part of the product and should therefore accompany the product throughout its life cycle.

Service Interval

Recommended inspection by an authorized Spears Racing Technician: Race Track Every 10/15 hours of use

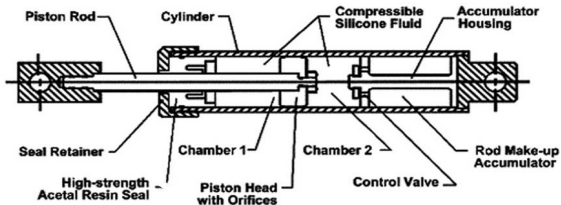
Spears Racing Steering Damper

How does it work?

The Spears Racing Steering Damper has a piston that is fixed on the main shaft as the main shaft moves it will push the fluid through a separate parallel passage into and thru the smaller cylinder and back into the larger cylinder

The Golden adjustment knob located at one end of the cylinder is connected to an adjustable valve in the passage to give a broad adjustment range. Temperature change causes changes in fluid volume, which is controlled by a pressurized reservoir located at the other end of the steering damper. The fluid is pressurized either by a compressed closed cell rubber foam or by a spring preloaded dividing piston.

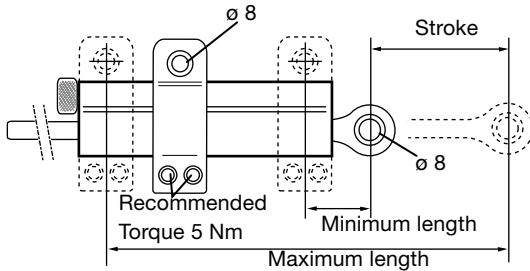
Spears Racing Damper



Spears Steering Damper

The Spears Racing Steering Damper length and stroke

	Stroke (mm)	Min. Length (mm)	Max. Length (mm)
SP01-70	70	37.5	228.6



Adjust

The Golden adjustment knob has up to 24 different positions and counts in number of clicks from maximum hard to maximum soft position.

How to set

1. Set the damper to maximum hard by turning the knob clockwise until it stops.
2. Set the damper to 14* clicks Anti- clockwise towards maximum soft position. Go for a
3. test ride.



If your vehicle feels unstable, turn the adjustment knob clockwise two steps at a time, until you have the performance you desire. In urban areas we recommend you to set the steering damper to maximum soft.

⚠ Warning!

Do not set the damper to less than 8 clicks.

Clockwise and Anti-Clockwise



Clockwise



Anti-Clockwise

Building Alliances

Spears Enterprises/Spears Racing believes in building Alliances which is more than just putting stickers on a bike, it's about building relationships that are reciprocating and being able to maintain a professional positive attitude toward all of the players involved both on and off of the racetrack.

“Our passion is competing, Our goal is to win”

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