



71 East 26th Street
Paterson, NJ 07514

tel: 973-442-2290
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F3 MotorSports thanks you for selecting our Mark I steering damper. We believe it is the state of the art in steering damper technology. It contains technology that is patent pending.

The proper use of F3 MotorSports' Mark I Steering Damper requires a careful review of the following instructions:

Summary:

Your damper modifies the viscosity of a fluid using a controlled magnetic field. By adjusting the magnetic field, various damping settings can be achieved allowing you to adjust the damping without any tools.

Also, your steering damper senses your steering angle. If you have selected a damping setting other than zero and the steering damper determines that a headshake event has occurred it will incrementally increase the damper setting to help keep the situation from further degrading. When the head shake event ends the damper setting returns to your preferred setting.

Basic Operating Instructions:

When the steering damper is first powered the LEDs flash in a rolling pattern indicating that the unit is powered and allowing you to see if all the LEDs are functional.

Following the LED test, the steering damper restores the last saved damping setting.

To increase the damping setting, press the up arrow button.

To decrease the damping setting, press the down arrow button.

LED 1 blinking indicates that the steering angle sensor has a fault. The damper setting stays at your preferred setting and the automatic headshake detection is disabled.

If you have selected a damping setting other than zero and the steering damper determines a headshake event has occurred, the steering damper will increase the damping setting. The change in damping setting is shown in the number of LEDs on. Each LED that is on due to a headshake event will flash indicating that the damping is beyond your preferred damping setting. When the steering damper determines the headshake event has passed the damping setting will revert to your preferred setting.

During power down your last damping setting is stored for the next turn on.

Before Each Ride:

Safe riding requires the following pre-ride safety check:

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Turn power on to your motorcycle. The steering damper level indicating LEDs should flash in a rolling pattern indicating that the unit is powered and allowing you to see if all the LEDs are functional.

Reduce the damping setting to zero (no LEDs on) and move the steering from side to side a few times. Make sure that the steering is smooth. This checks the minimum possible setting of the steering damper.

Increase the steering damping setting one step at a time, sweeping the steering from side to side a few times at each setting. The purpose of this is so that you can double check your preferred damping setting. We recommend that you go one step beyond your previous preferred setting so that you can make a comparison. Once this is done, set the setting to your preferred setting and enjoy your ride.

Any apparent change in steering response is cause to slow down, stop and check the steering damper and motorcycle.

Maintenance and Repair:

Beyond keeping the unit clean using a mild cleaner no other user maintenance is recommended.

There are no user serviceable components inside your steering damper. Opening the cover will void all warranties.

Any apparent change in steering response is cause to slow down, stop and check the steering damper and motorcycle. If the steering damper is unsatisfactory, repair or replacement is required.

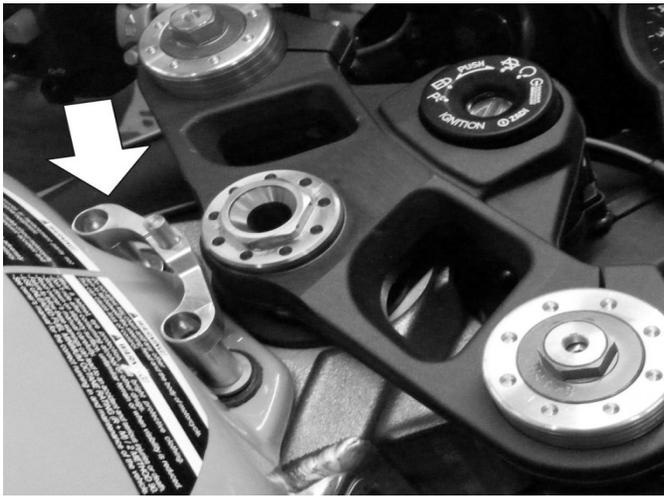
Any physical damage to the steering damper is cause for replacement or repair.

The proper use of the F3 MotorSports Mark I Steering Damper requires installation to the below precise instructions. The F3 Motorsports Mark I Steering Damper may malfunction if not properly installed.

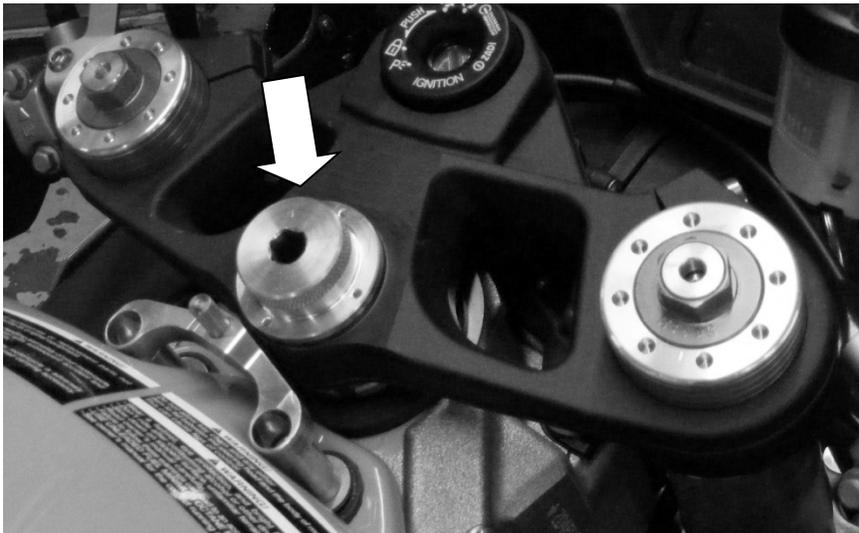
Mechanical Installation:

We recommend installation by qualified personnel only. An installation kit designed specifically for your motorcycle model is included. Note that your bike configuration and the F3 Damper may differ slightly from the examples shown in photographs.

1. Remove the fuel tank mounting screws located at the front of the tank near the triple tree clamp and attach the supplied F3 mounting bracket with supplied screws. Torque to motorcycle manufacturers' specifications.



2. Remove the head nut/bolt on the triple tree clamp and replace with the supplied F3 mounting nut/bolt retaining OEM washer. Torque to motorcycle manufacturers' specifications.



3. Attach the F3 Mark I Steering Damper to the clamping bracket and secure it with the provided screws. Torque to 10 lb.-in. IMPORTANT: Note lb.-in. NOT lb.-ft.



4. With the steering adjusted for straight travel, attach the clamping bracket to the F3 head bolt, making sure the Mark I armature pin connects to the mounting bracket.



Torque the screws to 10 lb.- in.



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Electrical Installation:

We recommend installation by qualified personnel only. The steering damper requires 12 VDC from the motorcycle power system. At its maximum setting, it draws less than 1 ampere and the steering damper is internally fused. It should be wired so that the power is only available when the motorcycle is being used. Since the steering damper draws a small amount of current even when the damping setting is zero leaving the steering damper powered at all times will eventually discharge your battery.

Proper wiring devices are required and not supplied due to the large variation in wiring systems. We recommend installation by qualified personnel only.

The steering damper should be wired with the red wire to the 12V positive and the black wire to the negative. If you power the unit and the LEDs do not test then you may have wired it in backwards. The unit is protected against reverse wiring so no damage was done.



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Limited Warranty Policy

F3 MotorSports Mark I Motorcycle Steering Damper

F3 MotorSports, LLC guarantees the Mark I Motorcycle Steering Damper and mounting hardware to be free of manufacturing defects and to perform as designed for a period of twelve months from time of purchase. Any misuse or tampering (including removal of the cover) and any physical damage (such as that resulting from a crash) will void this warranty.

Go to the F3 MotorSports web site (www.f3motorsports.net) to register your Mark I Steering Damper and receive product updates.

Return Procedure

RMA (Return Materials Authorization)

F3 requires that the buyer contact F3 (973-442-2290) and be issued an RMA number before returning a damper or mounting hardware to ensure proper processing of the warranty claim. If, upon receipt, along with proof of purchase, the F3 technicians validate the claim, the defective unit will be replaced or rebuilt at the discretion of F3 and returned to the buyer. It is the responsibility of the buyer to pay shipping cost for return to F3; F3 will ship the replacement unit at no cost to the buyer. Extraordinary instances will be handled on a case-by-case basis.

If the claim cannot be validated and the damper has not been tampered with, F3 will return the product to the buyer.

Dampers showing signs of tampering will be returned to the buyer and no replacement issued. Defective items will be exchanged for like items.

F3 is not responsible for dampers lost or damaged in transit to F3 from the buyer.

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