



## StreetFighter Oil Pressure Monitoring Kit

*Mustang GT 5.0 2015-2017 Models*

**Includes:**



1. Suction Cap Mount



2. nGauge mounting Bracket



3. nGauge



4. nGauge to OBD port cable



5. Oil pressure switch and O-ring



6. nGauge SD card



7. nGauge to oil pressure sensor loom

## Important! Must Read First

Congratulations on the purchase of the StreetFighter\_Oil Pressure Monitoring Kit for your Mustang.

To ensure your package is fitted correctly and operates perfectly and reliably we advise that this kit is to be fitted by a Streetfighter Dealer workshop.

If you are unable to access a Streetfighter dealer we strongly recommend a professional experienced fully qualified technician to install your new Oil pressure Monitoring system.

Ask your qualified installer to contact Streetfighter on any aspect not clear in the instructions provided. 08 82999 998 / [support@streetfighter.net.au](mailto:support@streetfighter.net.au).

As a wide variety of skills, procedures, special tools and workshop equipment is needed to install this kit: Streetfighter will take NO responsibility or give NO guarantees on the operation of this product for fitment not carried out by a Streetfighter dealer or experienced qualified technician.

Streetfighter will take NO responsibility or give NO guarantees on the operation of this product due to not fitting this kit exactly as per the instructions provided.

Ensure correct workshop safety procedures are carried out in fitment of this kit.

Please read **ALL** instructions before commencing fitment.

### **Guaranteed**

On satisfaction that ALL instructions have been followed as per this document KPM Motorsport will warrant the StreetFighter\_Oil Pressure Monitoring Kit against any defects or faults for 12 months from the date of purchase.

Should you want to extend your warranty and have complete piece of mind, contact one of the Streetfighter dealers Australia wide to enquire on our exclusive **3 Year Factory Warranty Protection\***

\*conditions apply / contact Streetfighter direct for details.

# Oil pressure Monitoring Kit / Instructions

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## **Please Note**

- The StreetFighter nGauge can be mounted either by the supplied suction cap mount in any chosen position or alternatively into the centre dash vent position on 2015-2017 Mustangs.
- The instructions provided will give a brief explanation on routing both the oil pressure wiring loom and OBD cables for the centre vent position.
- Please note that the routing instructions are only a guide.
- The nGauge loom and cable should be routed neatly and concealed according to your final mounting choice.

**This video link from Mustang Lifestyle will give a good explanation on fitting the nGauge to your centre vent: <https://youtu.be/wZL -eR uWo>**

1. The oil pressure sensor loom plug connects on one end to the nGauge, and the other to the pressure sensor on the StreetFighter oil bypass manifold.



2. Ensure the loom connector plug is fitted with the red wire on the small arrow side of the nGauge unit.



3. The OBD port cable plug connects on one end to the nGauge, and the other to the OBD connector on the vehicle.



4. Ensure the OBD port cable connector plug is fitted to the nGauge as shown in the picture below.



5. In order to route the oil pressure sensor wiring loom and the OBD cable, the centre section of the dash trim has to be removed.



6. Start the oil pressure sensor loom and OBD cable routing at either  
a) The centre dash vent, or  
b) Any dashboard or windscreen mounted position.

(Both options pictured below)

*This will depend on your final mounting choice for the nGauge unit.*



a) The nGauge can be mounted in the centre dash vent position.



b) The nGauge can alternately be mounted using the mounting bracket and suction cup mount to the window or dash



7. If you choose to mount the nGauge into the centre vent, you can route the OBD cable, past the dash vents, over the steering column and down to the OBD connector by the drivers kick panel.



8. The nGauge must stay connected to the OBD plug to operate.



9. The oil pressure sensor loom feeds up along the centre panel and tucked behind the plastic moulding towards the passenger kick panel area.





10. Remove the battery box to gain access to the loom routing hole.



11. Removing the small grommet to allow access to the loom hole



12. The oil pressure sensor loom is routed from the cabin to the engine bay through this small opening. Use a flexible steel tracer wire to thread through the hole in the engine bay into the cabin. Once through to the cabin, the steel tracer wire can be used to tape the sensor loom, making routing from the cabin easier.



13. The grommet is then refitted to seal the hole.



14. Run the sensor loom alongside the factory wiring loom, cable tie to attach



15. Loom runs down engine bay wiring loom towards the StreetFighter bypass manifold, to plug in the oil sensor.



16. Using a 5mm allen key remove the bottom allen cap plug marked (oil pressure) on the StreetFighter Oil bypass manifold.



17. Smear some light rubber grease or engine oil in the pressure sensor recess area. Carefully place the O ring in the recess and screw the oil pressure sensor by hand all the way until it is hand tight.



18. Using a torque wrench with a 27mm deep socket tighten the pressure switch to **20 nm of torque\***.  
**IMPORTANT** (A deep socket must be used to prevent fouling or damage to the sensor plastic housing)



\*It is critical that the oil pressure switch is tensioned to exactly 20nm using a certified and calibrated tension wrench. Failure to tension the pressure sensor as per specifications can lead to a sensor failure and/or oil leakage.

19. Install oil sensor plug and cable tie loom away from engine.



20. Refit battery box



21. Refit dash trim section.



22. Start and run engine and check there are no oil leaks from the oil pressure sensor.

23. Turn off engine, check engine oil and top up as necessary.

## Setting up the Oil-Pressure display on your N-gauge



Select "Gauges"



Select "Connect" at this point you need to turn the car ignition on.



Select which signal of the four you would like to replace with Oil Pressure for this example we will replace the IAT.



Select "Signal"



Scroll along until you find "ANALOG1"



Select the "✓"



You should now see the ANALOG1 on the screen, select the "ANALOG1" signal



Select "Display"



Select the "Name"



Type in Oil Press using the up/down and the left and right keys. Note the "CE" will clear the entire screen. Click the "✓" once you are finished.



Scroll down until you see the Low and High warning



Set the low warning to "100" and the High Warning to "1000".



## nGauge Screen Navigation

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1. nGauge home screen, click Gauges \*(centre vent mounted nGauge shown)



2. Six square screen, swipe left or right to access other screens, tap specific square to edit contents/parameters



3. *Four square screen*, swipe left or right to access other screens, tap specific square to edit contents/parameters



4. *Single gauge screen*, swipe left or right to access other screens, tap screen to edit contents/parameters

