

Refer to page 3
for item number.

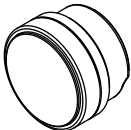
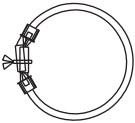
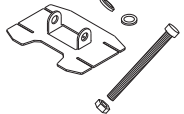
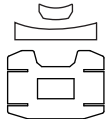
FEATURES

- Uses brushless motor with high-speed U.S.-made core chip, providing fast response and smooth operation.
- Sensor adopts automotive-grade sealed design, stable and accurate data, excellent durability.
- Aluminum alloy bezel with hidden mounting base and gemstone-cut mirror, highlighting advanced aesthetics.
- Supports day/night mode, adjustable brightness, special matte dispersion lens ensures clarity under various light sources.
- Equipped with warning alert, peak value memory and self-diagnosis functions for real-time vehicle protection.
- Supports power daisy chain function, simplifies wiring and improves harness organization.

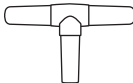
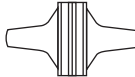
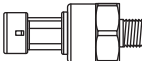
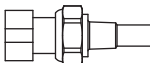
CONTENTS

Common Contents

Only for reference, it might be different from real parts.

							
Main unit of PRO3	Mounting Ring	Toggle Button	Power Cable	Power series wiring	Base Accessories	Double-sided tape x3	Manual

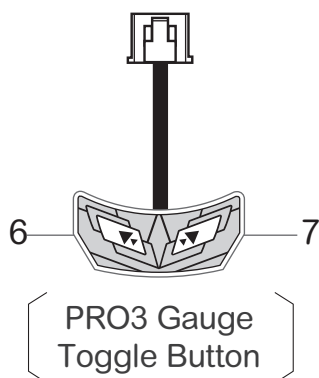
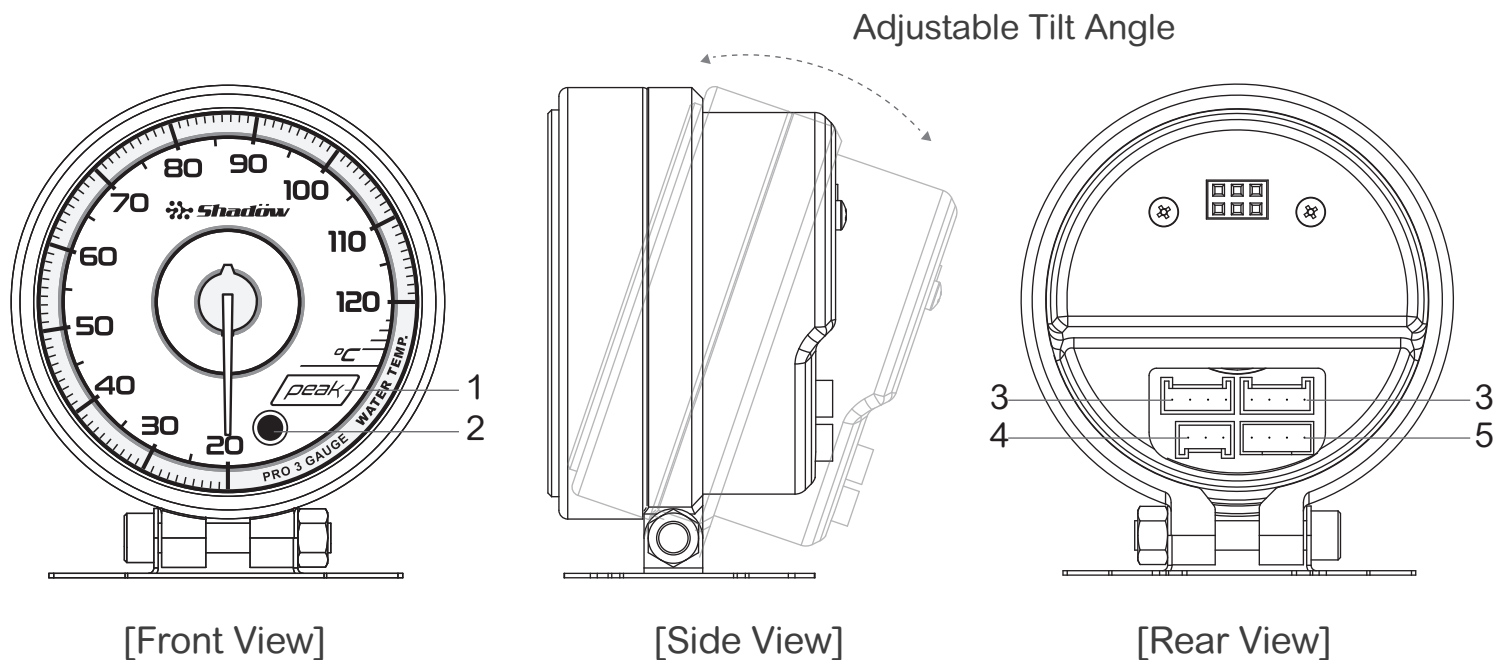
Individual Contents

Boost / IN-MF Press.	 Sensor	 Rubber tube	 T-fitting	 Filter	 Sensor Cable Set
Exhaust Temp.	 Sensor	 Mounting Bolt		 Sensor Cable Set	
Oil Press. Fuel Press.	 Sensor			 Sensor Cable Set	
Water Temp. Oil Temp.	 Sensor			 Sensor Cable Set	

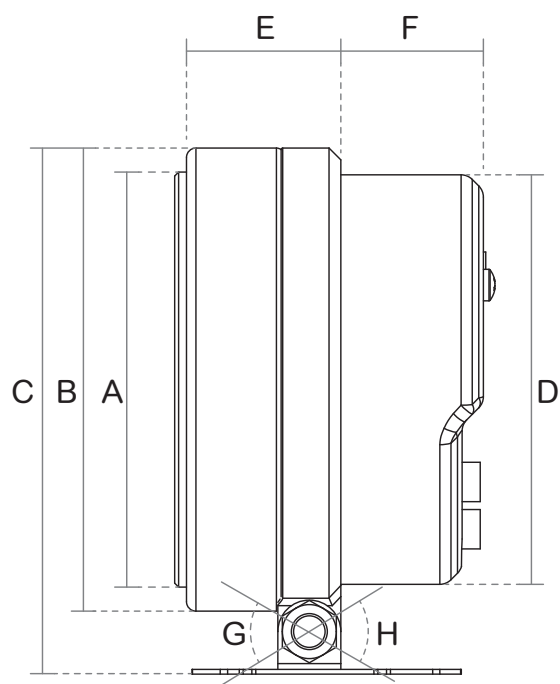
Please attach the user’s manual to the product when transferring to others.

SPECIFICATION

Technical Information	Default Voltage	Default Current	Default Standby current
	10-18v	70-140mA	11mA



- 1 - Peak Value Indicator LED
- 2 - Warning Indicator LED
- 3 - Power Connector
- 4 - Sensor Connector
- 5 - Control Button Connector
- 6 - Left Control Button
- 7 - Right Control Button



Gauge Dimensions (Unit: mm)

52MM		60MM	
A	Ø 52	A	Ø 60
B	Ø 58.8	B	Ø 65
C	66.8	C	74
D	52	D	60
E	20	E	21
F	18	F	18.5
G	25°	G	25°
H	25°	H	25°

2 Specifications



Black Face(BF) Clear Face(CF)

2 Backlight

Item Number Table

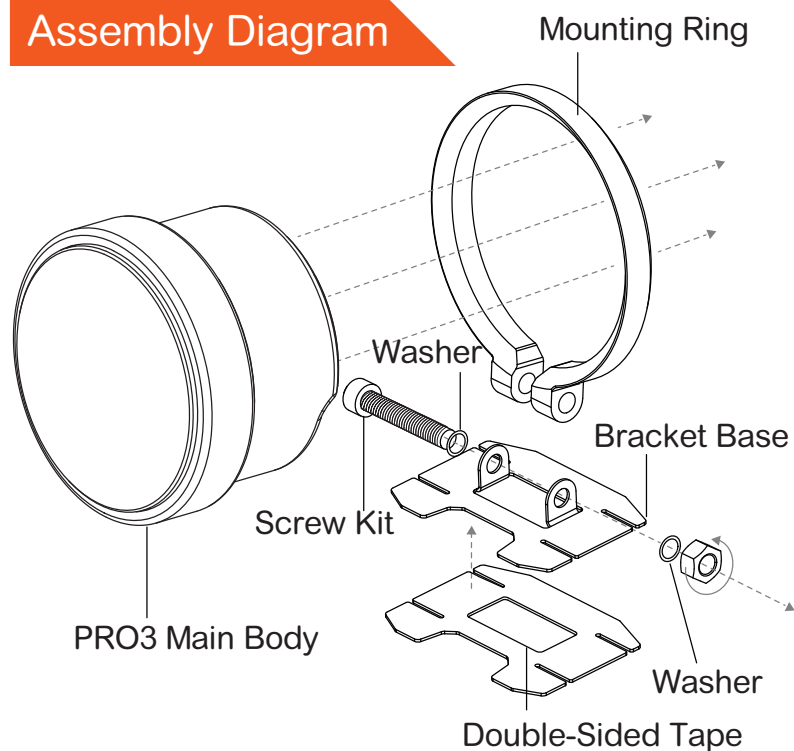
Water Temp. 20° C-120° C	CF	52mm	SW15180-20
		60mm	SW15160-20
	BF	52mm	SW15170-20
		60mm	SW15150-20
Oil Temp. 50° C-150° C	CF	52mm	SW15181-20
		60mm	SW15161-20
	BF	52mm	SW15171-20
		60mm	SW15151-20
Oil Press. 0Bar-10.0Bar	CF	52mm	SW15182-20
		60mm	SW15162-20
	BF	52mm	SW15172-20
		60mm	SW15152-20
Boost -1.0Bar-3.0Bar	CF	52mm	SW15184-20
		60mm	SW15164-20
	BF	52mm	SW15174-20
		60mm	SW15154-20
Boost -1.0Bar-1.5Bar	CF	52mm	—
		60mm	SW15163-20
	BF	52mm	—
		60mm	SW15153-20
Fuel Press. 0Bar-6.0Bar	CF	52mm	SW15206-20
		60mm	SW15166-20
	BF	52mm	SW15196-20
		60mm	SW15156-20
Exhaust Temp. 200° C-1100° C	CF	52mm	SW15185-20
		60mm	SW15165-20
	BF	52mm	SW15175-20
		60mm	SW15155-20
Volt. 8V-18V	CF	52mm	SW15187-20
		60mm	SW15167-20
	BF	52mm	SW15177-20
		60mm	SW15157-20

Water Temp. 70° F-250° F	CF	52mm	SW15200-20
		60mm	—
	BF	52mm	SW15190-20
		60mm	—
Oil Temp. 120° F-300° F	CF	52mm	SW15201-20
		60mm	—
	BF	52mm	SW15191-20
		60mm	—
Oil Press. 0 PSI-140 PSI	CF	52mm	SW15202-20
		60mm	—
	BF	52mm	SW15192-20
		60mm	—
Boost -30 PSI-40 PSI	CF	52mm	SW15204-20
		60mm	—
	BF	52mm	SW15194-20
		60mm	—

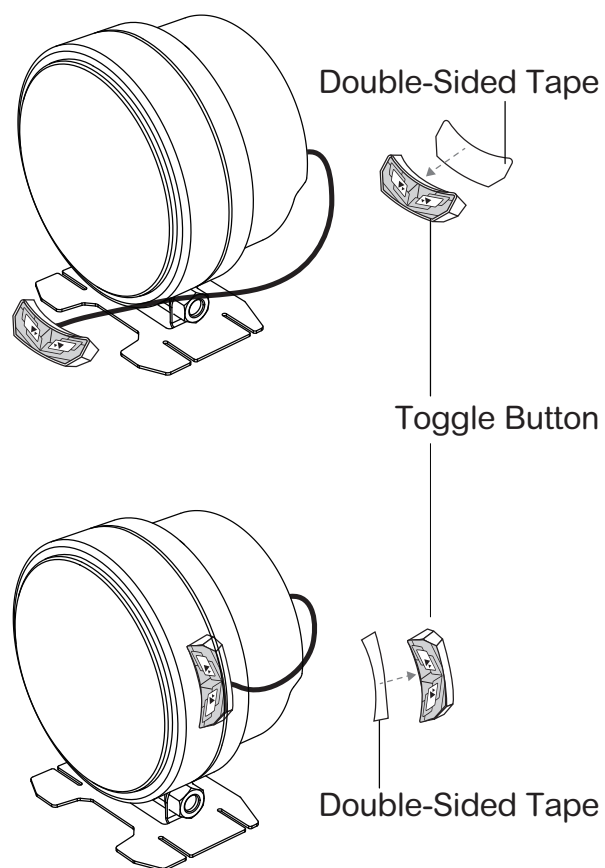
Fuel Press. 0 PSI-80 PSI	CF	52mm	SW15206-20
		60mm	—
	BF	52mm	SW15196-20
		60mm	—
Exhaust Temp. 400° F-2000° F	CF	52mm	SW15205-20
		60mm	—
	BF	52mm	SW15195-20
		60mm	—

► INSTALLATION INSTRUCTION

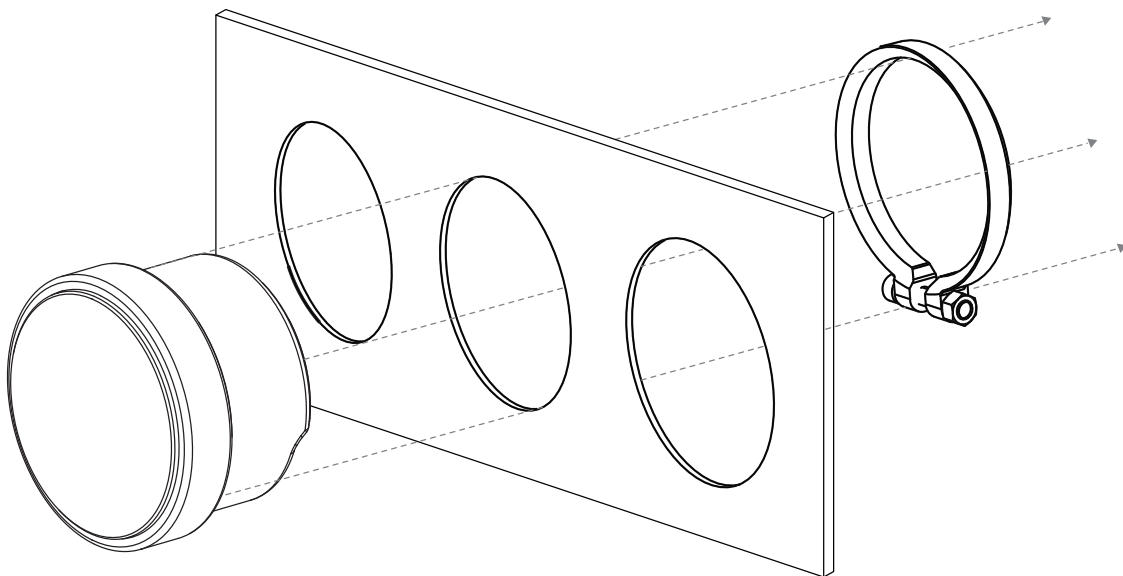
Assembly Diagram



Toggle Button Configuration

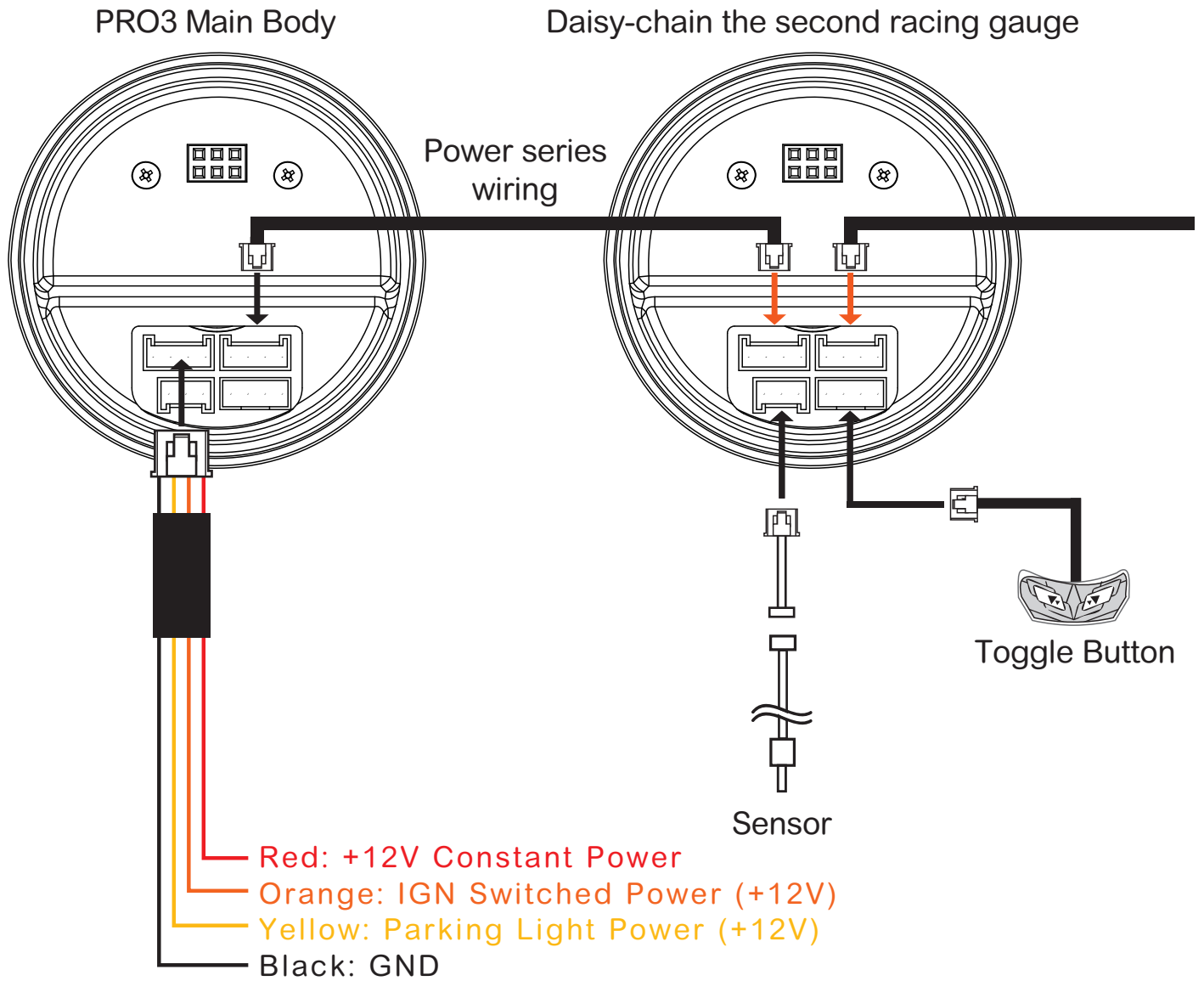


Flush Mount Installation

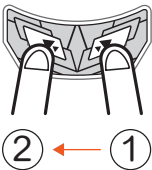


- Insert the gauge into a properly sized mounting hole, slide the mounting ring from the back, press it forward to fit snugly, then tighten the screw to complete installation.

► WIRING INSTRUCTION

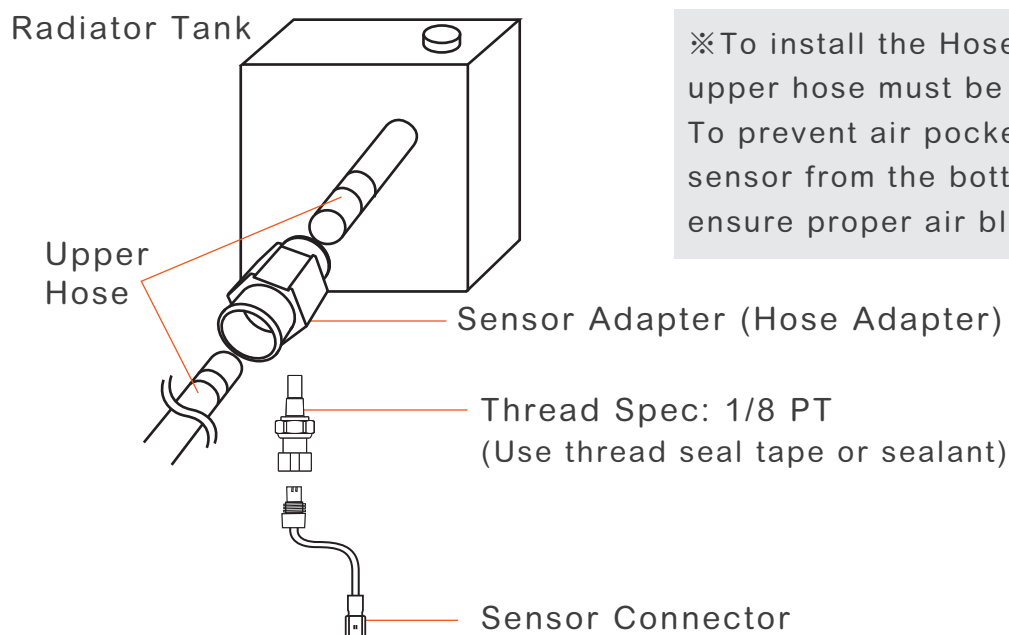


▶ OPERATION INSTRUCTION

Mode	Setting Method	Description
Backlight Switching	 Press and hold both left and right buttons simultaneously.	You can choose from amber or white. Switch between day and night modes freely.
Brightness Adjustment	 Press the left button. Brightness will cycle through 6 levels from dimmest to brightest.	Backlight brightness can be adjusted in 6 steps. If the gauge is hard to read during daylight, you can increase the backlight brightness.
Peak Value Setting	Peak Value Display  Press the right button. The needle will move to the previously recorded peak value. Press right again to return. * If no action is taken, it will return to the main screen after 5 seconds.	The peak mode displays the highest recorded value.
	Peak Value Reset  While in peak mode, press the left button to clear the peak.	
Warning Value Setting	 Press and hold the right button for 3 seconds to enter "Warning Value Setting." The needle will move to the current warning value. Use the following for adjustment: Left button: decrease Right button: increase Hold the button to adjust quickly. When the needle points to the desired value, release the button and wait. It will return to the main screen, indicating the setting is complete. ③ Decrease value(hold to accelerate) ① Press and hold for 3 seconds ② Increase value (hold to accelerate)	Allows users to set the desired warning threshold. If the reading exceeds the set value, the gauge will flash and sound a warning.

► SENSOR INSTALLATION

Water Temp

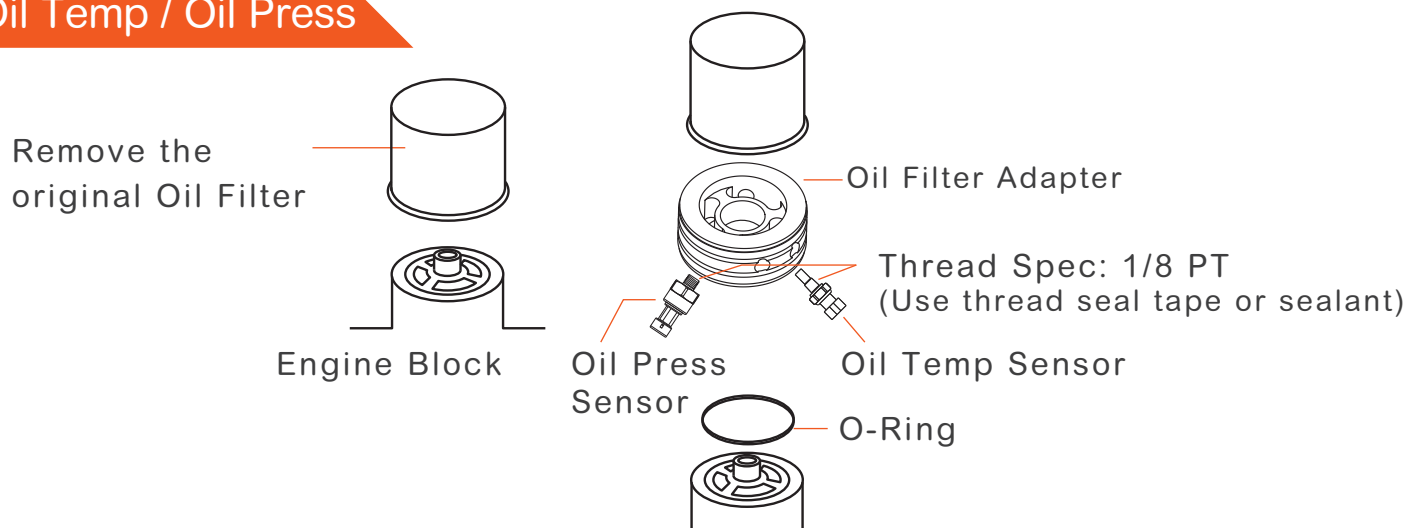


※To install the Hose Adapter, the upper hose must be cut.
To prevent air pockets, install the sensor from the bottom or side, and ensure proper air bleeding.

Cautions

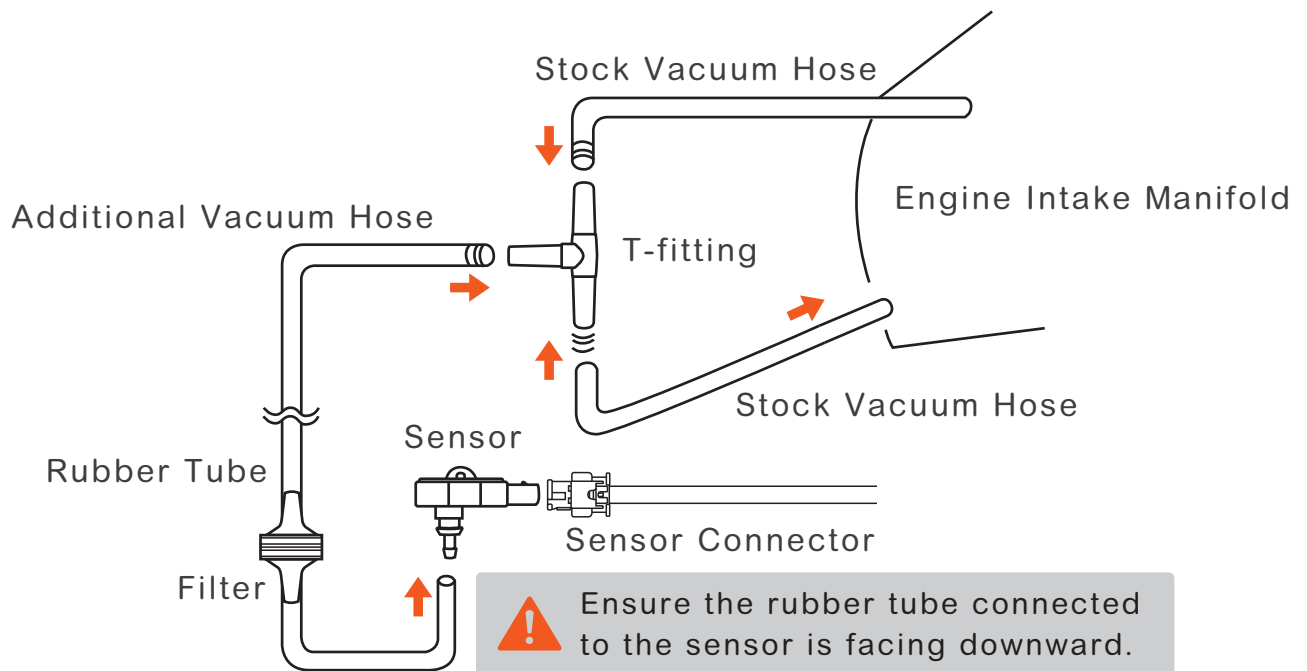
- The water temp sensor uses a 1/8PT thread. Ensure compatibility with your installation point.
- The sensor can be installed by modifying the engine water line or using a hose adapter in the hose.
- When installing, wrap the sensor thread with Teflon tape or apply thread sealant to avoid coolant leakage.
- The sensor is a precision component. Tighten with appropriate torque to avoid damage.
- After removal, if coolant leaks, make sure to refill and bleed air thoroughly to ensure proper cooling system operation.

Oil Temp / Oil Press



Cautions

- Most engines require an oil filter adapter for sensor installation. Ensure enough space and proper angle.
- Oil temp and oil press sensors use 1/8PT threads.
- Apply Teflon tape or thread sealant before installation to prevent oil leakage.
- Sensors are precision parts. Tighten with appropriate torque to avoid damage.
- Secure sensor wiring to prevent pulling, bending, or engine interference for long-term stability.

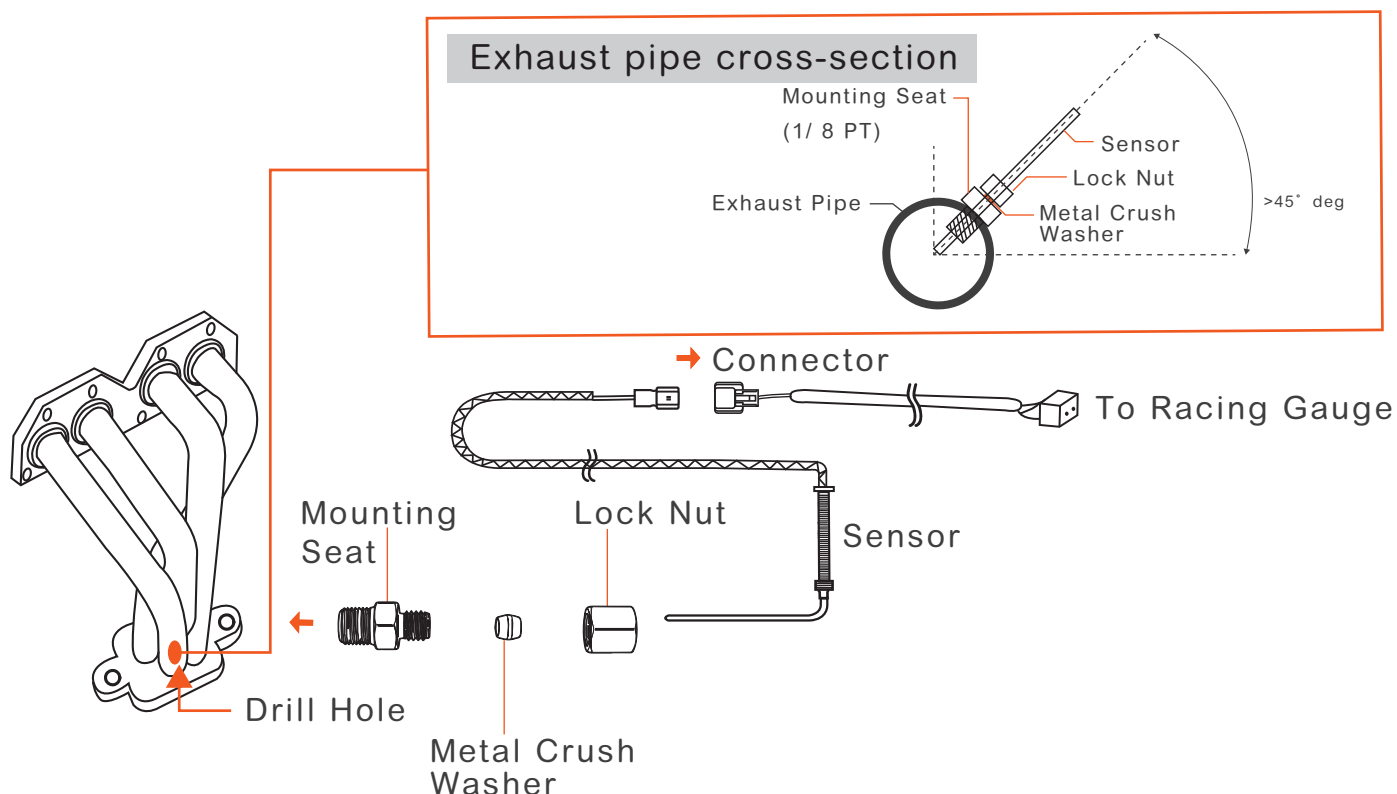


Cautions

- Install the sensor in a stable, low-vibration area away from high heat for reliable operation.
- Connect to intake manifold vacuum; use a dedicated adapter if no vacuum hose is available.
- Install an filter before the sensor to prevent contamination.
- Avoid routing vacuum through check valves or solenoids to prevent signal delay or incorrect readings.



Use clamps or zip ties to secure vacuum hoses to avoid disconnection under heat or vibration. Loose hoses may cause misfire or unstable engine performance — secure all connections properly.



The included metal crush washer acts as a sealing spacer between the sensor and the mounting seat. Please retain and install it properly.

Cautions

- It is recommended to install the EGT sensor on the header or front section of the down pipe, 10 – 15 cm from the cylinder head. The sensor position directly affects the exhaust temperature reading.
- The sensor mount uses 1/8 PT thread. Drill or weld to fix on the exhaust pipe. It is recommended to remove the pipe before drilling to avoid metal shavings that could damage the turbo, catalytic converter, or O2 sensor.
- Install the sensor at an upward angle of at least 45° to prevent condensation backflow or carbon buildup that may reduce sensor lifespan.
- The sensor cable includes an IC chip. Handle carefully during wiring to avoid crushing or bending damage.
- After installation, start the engine and check for exhaust leaks. If any leakage or smoke is found, re-weld or reinforce the mounting.

When the product needs to be repaired, please collect the product body and accessories and return them to the original place of purchase.



Address: NO.163 Fan-Hwa Road, Chin-Hsin Village, Hsiu-Shui, Chang Hwa, TAIWAN
Tel: +886-4-7681140 Fax: +886-4-7698587 E-mail: info@autojaw.com

Copyright 1999-2025 AUTO JAW CO,LTD ALL Rights Reserved.

