

// RSP Engineering
EST. 2018 @RSPEngineering

INSTALLATION INSTRUCTIONS FOR OIL PRESSURE AND TEMPERATURE DISPLAY MONITOR



Included in kit:

- 1x Digital Temperature Display (3.5" TFT screen)
- 2x 1/8" NPT Temperature Sensors
- 1x 1/8" NPT 100PSI Oil Pressure sensor
- 2x Temperature Sensor Wiring (3 meters per sensor)
- 1x Oil Pressure Sensor Wiring (3 meters per sensor)
- Power Wiring with splice connectors (2 meters)
- Mount with Adhesive Pad
- Instructions

What's Needed:

- Thread sealant or PTFE Tape is required
- Oil filter sandwich adapter or oil pressure sensor adapter (All sensors are 1/8" NPT threads)
 - NOTE: Ensure the thread is 1/8 NPT; if not, adapters are readily available from other vendors to convert to 1/8 NPT. 1/8 BSPT is NOT the same as 1/8 NPT.
- Something to clean the mount location (Helps increase adhesion of the mount sticky pad)
- Location to pull 12v and ground from (Wiring and splice terminals are included)

*****PLEASE NOTE ONLY SENSOR INPUT 1 (S.1) CAN
BE USED FOR OIL PRESSURE*****

Display Power:

- DISCONNECT THE BATTERY BEFORE UNDERTAKING ANY WIRING
- In the kit there is a power wire (The two pin connector) with two splice terminals on the end.
- The **RED** wire needs to be spliced into a fused switched power wire (Cigarette lighter is usually a good place).
- The **BLACK** wire needs to be spliced into a ground.

Temp Sensor Wiring:

- The temperature sensors should be cleaned before being used, to prevent any dirt getting into the oil or coolant systems.
- As the sensors are 1/8" NPT threads, thread sealant or PTFE tape is required.
- Route the wiring to the location that the Display is, and use Sensor inputs 2-4 (S.2, S.3, S.4).
- **NOTE: Make sure the firewall hole has a grommet to avoid damage to the wires from rubbing against metal.**

Oil Pressure Sensor Wiring:

- The oil pressure sensor should be cleaned before being used, to prevent any dirt getting into the oil or coolant systems.
- As the sensors are 1/8" NPT threads, thread sealant or PTFE tape is required. Make sure this does not block the port of the sensor, as it will stop accurate readings from being displayed.
- Route the wiring to the location that the Display is, and use Sensor input 1 (S.1).
- **NOTE: Make sure the firewall hole has a grommet to avoid damage to the wires from rubbing against metal.**

Don't forget to seal all threads. It's important to check for leaks before making any long journeys. Be sure to check your oil level at the end of the installation.

Make sure no wires are hanging in areas where there are spinning components. Please use zip ties to keep them out of the way of moving components or any hot areas, such as the exhaust manifold or turbo.

DO NOT PULL THE SENSOR OR POWER WIRING FROM THE WIRES THEMSELVES, THIS CAN DAMAGE THEM. ALWAYS REMOVE THE SENSOR WIRING FROM THE DISPLAY BY PULLING THE WHITE CONNECTOR ITSELF.

Display Mounting:

- Clean the area in which you want to mount the display.
- Remove the adhesive mount paper and firmly press the unit into place.
- Make sure the sensor wiring has slack to the display unit, if there is constant tension this can fatigue the wire and terminals.