

Oil Pressure & Temperature Sensor Adapter Installation Instructions[©]

Part No. 11803

Tools Required:

- 1" socket (26mm is also suitable) to drive adapter nut
- Ratchet / 12" extension / universal to drive socket
- Teflon pipe thread sealant
- New oil filter
- Tool to loosen filter
- Tools to tighten temperature & pressure fittings
- Grease

Estimated time for completion: .5 hrs**People required:** 1

INSTALLATION INSTRUCTIONS

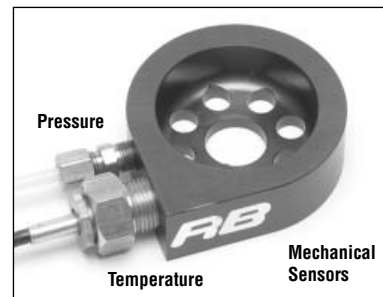
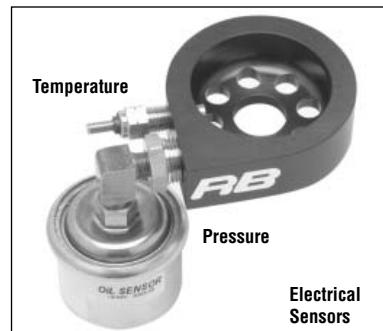
Caution: The engine must be completely cool before performing this installation. In addition, to avoid oil draining from the filter onto the engine, we recommend you wait at least 12 hours after the engine was last run to allow the oil in the filter to return to the pan.

Suggestions:

- We suggest you coordinate installation of this adapter with a regular oil change.
- We recommend "mechanical" gauges over electrical gauges because they are usually more accurate and have better resolution. When you obtain the gauges you have selected, be sure to have the necessary adapters to connect them to the RB adapter unit (See Photo 1 & 2). The threaded holes are 1/8" female pipe (1/8 NPT) and 3/8" female pipe (3/8 NPT). We also recommend that you preassemble all the fittings and adapters possible before installing the RB adapter unit. Use the teflon pipe thread sealant on all pipe threads.
- This RB adapter unit can be installed on any rotary engine (and Miatas thru 2005). However our original oil pressure and temperature adapters P/N 11801/11802 are less expensive and work very well for most 1971-92 models.

Installation:

1. Remove the oil filter.
2. Coat the O-ring with a medium-body grease and position the O-ring in the recess in the underside of the adapter. (This will allow the O-ring to remain in the recess during the final installation process.) All possible fittings should already be installed in the adapter.
3. Position the adapter over the threads which the oil filter screws onto. Verify that the O-ring has remained in place!
4. Thread the adapter nut (supplied) onto the threaded protrusion. Check the rotational position of the RB adapter unit for fitting clearance. Be sure to clean the inside of the 1" socket, then tighten the nut to 25 ft/lbs. (See Photo 3)
5. Install a new oil filter, and change oil if desired.
6. Run the engine and check for any signs of oil leakage.

Photo 1**Photo 2****Photo 3**