

Please read these instructions completely before beginning installation.

KIT CONTENTS

QTY.	DESCRIPTION
1	Sandwich adapter plate with Setrab ProLine M22x1.5 ports (adapter fittings sold separately)
1	Thermostatic oil valve (pre-assembled into sandwich adapter plate)
1	Oil Filter Spacer with 1/8"-27 NPT ports & plugs
2	Extension screw for oil filter stem: M20x1.5
2	O-ring for oil filter mount surface



INSTALLATION

This sandwich adapter is designed to allow access of oil supply for the plumbing of an external oil cooler. The built-in thermostatic oil valve allows oil to by-pass the oil cooler until the vehicle reaches operating temperature.

The oil filter spacer includes two 1/8"-27 NPT ports for sending unit installation.

Part 1: Vehicle preparation

1. Prepare the vehicle for installation: allow to cool completely. Remove factory engine oil filter and clean the oil filter landing of oil and debris.

Part 2: Oil filter spacer installation

NPT plug and/or sending unit installation

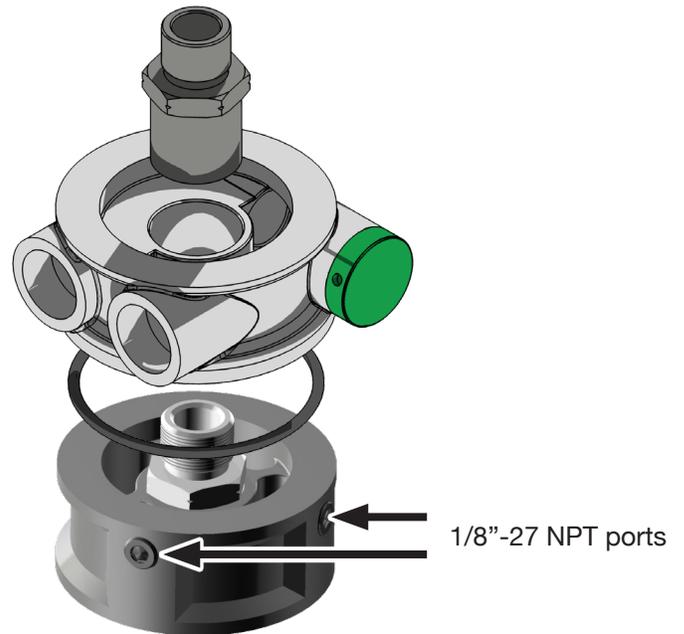
NOTE: The port plugs provided are loosely inserted into the ports to prevent loss during shipment and are NOT sealed. Installer will determine the use for the ports and either fully install the port plugs provided or install an appropriate sending unit into the ports during installation.

2. Remove the 1/8"-27 NPT port plugs.
3. Apply thread sealant to male pipe threads if not pre-applied. If PTFE tape is used it should be wrapped 1-1/2 to 2 turns in clockwise direction when viewed from the pipe thread end. **CAUTION:** More than two turns of tape may cause distortion or cracking of the port.
4. Screw the plug or sending unit into the port to the

IMPORTANT

- The oil filter spacer is machined with 1/8"-27 NPT tapered threaded ports and require thread sealant for proper thread lubrication & sealing.
- The sandwich adapter plate is machined with ProLine M22x1.5 threaded ports and must have an O-ring style fitting. For a wide range of compatible fittings, visit:

www.setrabusa.com



Warning: Installation should only be attempted by those with mechanical skills and experience working on vehicles. Standard safety precautions consistent with the tools and dangers of automotive work should be followed to protect from injury. Specifically, wear protective equipment, take care to stabilize the vehicle on a level surface, engage the parking brake, and allow vehicle to cool before attemptation installation; failure to comply can result in injury and/or damage to equipment.

finger tight position.

5. Wrench tighten the plug or sending unit to 2-3 turns-from-finger-tight (T.F.F.T.).
6. Lubricate large O-ring with oil and insert into O-ring groove on rear of oil filter spacer.
7. Match oil filter spacer onto engine's oil filter landing.
8. Insert extension screw through oil filter spacer center and thread onto engine oil filter stem.
9. Tighten extension screw to 20 lb.-ft. (27.1 Nm) or to factory specifications of engine oil filter.
10. Ensure adequate clearance of oil filter spacer and any installed sending unit around any moving parts, exhaust systems, or sharp edges that could cause component failure or interference.

Part 3: Sandwich adapter installation

11. Lubricate threads and O-rings on M22x1.5 adapter fittings (sold separately) with oil and thread into sandwich adapter plate to hand-tight.
12. Tighten fittings with wrench until metal surfaces meet or to 29.5 lb.-ft. (40 Nm).
13. Lubricate large O-ring with oil and insert into O-ring groove on rear of sandwich adapter plate.
14. Match sandwich adapter plate onto engine's oil filter landing.
15. Insert extension screw through sandwich adapter plate center and thread onto engine oil filter stem.
16. Tighten extension screw to 20 lb.-ft. (27.1 Nm) or to factory specifications of engine oil filter.
17. Ensure adequate clearance of sandwich adapter plate and adapter fittings around any moving parts, exhaust systems, or sharp edges that could cause hose or component failure or interference.
18. Install engine oil filter to factory specifications.
19. Vehicle is now ready for plumbing of external oil cooler.

ACCESSORY PARTS AVAILABLE

sūsa ProLine Direct-port Adapter System includes M22-AN Adapters & Hose Ends in -6, -8, -10, -12, available in orientations 00° straight, 45°, 90°

sūsa AN Hose Ends are available in PushLock and ReUsable varieties in many sizes and orientations

Warning: Installation should only be attempted by those with mechanical skills and experience working on vehicles. Standard safety precautions consistent with the tools and dangers of automotive work should be followed to protect from injury. Specifically, wear protective equipment, take care to stabilize the vehicle on a level surface, engage the parking brake, and allow vehicle to cool before attemptation installation; failure to comply can result in injury and/or damage to equipment.