

Installation Guide

What's included?

- Oil Cooler Adapter
- Mounting hardware
6x M6×25 bolts
- Optional Gasket

**Please read these instructions thoroughly before beginning installation.
Installation should be carried out by a qualified person.**

Installation

- 1. Remove the intake manifold to improve access.**
- 2. Remove the factory oil-to-coolant heat exchanger.**
Allow the engine to cool down before removal. Engine oil and coolant may spill during removal. Drain coolant beforehand if necessary.
- 3. Clean the mounting surface thoroughly.**
Remove any oil, coolant residue, dirt or old gasket material before installing the adapter.
- 4. Position the gasket and install the oil cooler adapter.**
Make sure the gasket is seated correctly and all openings are properly aligned.
- 5. Install the six M6×25 bolts.**
Tighten the bolts evenly in a cross pattern.
Maximum tightening torque: 10 Nm.
- 6. Connect the oil cooler lines.**
 - **M16×1.5 – Oil Outlet to Oil Cooler**
 - **M16×1.5 – Oil Return from Oil Cooler**
- 7. Connect or block off the coolant port.**
If not required for your coolant setup, the M22×1.5 coolant port may be blocked off with a suitable plug.
- 8. Check hose routing.**
Make sure all oil lines are routed without kinks, properly secured and kept away from hot exhaust components, sharp edges and moving parts.

Fitting Size Recommendation

Important:

For optimal clearance during installation, we recommend using fittings no larger than:

- **Outlet: Dash-12**
- **Return: Dash-10**

Larger fittings may cause clearance issues during assembly.

Before Starting the Engine

If possible, pre-fill the oil cooler and oil lines with clean engine oil before the first start.

After installation:

- Fill the engine oil to the specified level.
- Fill the coolant system with coolant.
- Prime the oil system before starting the engine. This can be done by disconnecting the electrical connectors from all injectors and cranking the engine until oil pressure is established.
- Reconnect the injector connectors, start the engine and immediately check all connections for leaks.
- Shut the engine off and recheck the oil level after the oil cooler and lines have filled.
- Bleed the cooling system.

