

WARNING

Failure to follow proper installation procedures could result in damage to the turbocharger and void the warranty.

INSTALLATION CHECKS

1. Pre-Installation

- **BEFORE** installing the turbocharger, be sure you have determined the cause of failure of the original turbocharger.
- Service air cleaners and eliminate all restrictions and leaks. Replace all contaminated crankcase filters.
- Inspect and remove **ALL** foreign materials from air inlet ducting, intake manifold, exhaust manifold, and exhaust piping.
- Replace all oil pressure and drain lines which are kinked, broken, restricted or deteriorating.
- Change engine oil and filters.

2. Installation

- Mount turbocharger to exhaust manifold using new gasket and antiseize compound on studs and bolts.
- Connect exhaust system. Verify there are no restrictions which might cause excessive back pressure before connecting to the turbocharger.
- If equipped, bend lock plate tabs up against a flat on each bolt head (if not already bent) on bolted housing models.
- Connect air piping system to the turbocharger.

3. Pre-Lubrication

- Remove all protective caps and plugs.
- Pour new engine oil into the oil inlet hole of the turbocharger.
- Connect oil feed line to inlet connection on turbocharger using new gasket or o-ring.
DO NOT USE liquid gasket or sealing compounds.
- **BEFORE ATTACHING** oil drain line to turbocharger, **CRANK ENGINE** until oil flows from the oil drain hole in bearing housing.
DO NOT START ENGINE.
- Attach oil drain line to turbocharger using a new gasket.

4. Operation

- Idle engine for 5 minutes. **DO NOT REV.**
- Check all systems for oil, air, and exhaust leaks.
- Always have operator **IDLE ENGINE FOR 3 MINUTES PRIOR TO SHUTDOWN** for longer turbocharger life.

Always refer to the manufacturer's recommended installation instructions.