



TURBOCHARGER INSTALLATION GUIDE

INSTALLATION TIME: 2-8 HOURS / SKILL LEVEL: MEDIUM

Refer to the authorized original equipment service manual for detailed installation instructions. If you do not have the experience, proper tools, or manuals, please seek the services of a qualified technician.

1

PROTECT YOUR TURBOCHARGER

Change engine oil and replace oil filter
Replace intake air filter
Inspect and service Positive Crank Case Ventilation System (PCV)

2

CLEAN AND INSPECT TURBO OIL & COOLANT LINES

Corroded, cracked, heat-damaged, clogged and worn lines should be replaced before turbo charger installation
Ensure all feed and return lines are free of blockages, contaminants, residue & build-up

3

CLEAN AND INSPECT AIR INTAKE & EXHAUST SYSTEMS

Check for oil residue that could indicate engine issues
Check for signs of boost leaks and exhaust leaks

4

USE OIL SYRINGE TO PRE-LUBRICATE TURBOCHARGER

With the turbocharger oil return line installed, inject 50ml of oil into the turbocharger oil inlet using the supplied syringe
Gently spin the compressor wheel to coat the turbocharger bearing and prevent dry start-ups and premature wear

5

COMPLETE THE INSTALLATION

Following pre-lube operation, connect turbocharger oil feed line
Allow engine to idle for 10 minutes
Check for leaks and proper fitting connections

WARNING: DO NOT ADJUST TURBOCHARGER SETTINGS

Do not adjust any settings on the turbo charger unless Agency Power has provided detailed instructions. Every turbocharger component, including electronic actuators, will be preset and ready to install. All electronic actuators are pre-programmed and do not require any scanning or programming.

WARNING: BANJO CONNECTIONS

If your vehicle uses banjo style oil/coolant line connections, you must discard the old banjo bolts/washers and replace with new. Some banjo bolts have filters in the orifice which can become restricted, causing the newly installed turbocharger to fail prematurely.

WARNING: DO NOT USE TEFLON TAPE, SEALANTS, OR SILICONE

Never use teflon tape, sealants, or silicone on gaskets/fittings in the turbocharger system as these materials could lead to potential blockages.

Installation Requirements

Engine oil, oil filter, and air filter must be replaced in order to receive warranty coverage. Failure to follow these procedures will void the turbocharger warranty.

Inspect the used oil for any contaminants such as metal particles and cross contamination from other fluids. If contamination is found, perform a thorough diagnosis to determine the root cause of the contamination. Contaminated oil may have caused the original unit to fail and will damage the replacement unit.

Installation Tips

If equipped, clean the oil inlet and drain ports that connect to the engine side of the turbocharger pedestal to ensure adequate oil supply and drainage.

Some turbo configurations have a filter in the oil supply line that may not have a bypass feature. This screen must be cleaned or replaced.

Avoid how shut-downs by allowing the engine to idle for at least 1 minute before turning off. This will allow time to properly cool the turbocharger.

Why did the Original Turbocharger Fail?

Poor lubrication, engine issues, and foreign object damage are the most common turbocharger failure modes.

Contact of either wheel resulting from the excessive radial play indicates worn rotating components likely due to improper lubrication.

Axial end play of the wheels and shaft in-and-out great than the thickness of a sheet of paper indicates a worn thrust bearing due to excessive exhaust back-pressure.

Any nicks, scratches or chips on either wheel are evidence of foreign object damage caused by contaminants entering the airflow to or from the engine.

Symptoms of Turbocharger Failure

A decrease in engine power may indicate the turbocharger is damaged or has failed.

Turbocharger making noise while under load may indicate a boost leak.

If you see oil residue in the intake or exhaust, inspect/replace all PCV/CCV components and all oil supply/return lines.

If the turbocharger rotating assembly is damaged, inspect/replace all oil supply/return lines.

Questions? Call before returning to the store!
Call Technical Support: 1-480-921-7422
Monday-Friday 8AM-4PM MST