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TurboNews

Maintenance Tips For The Professional Installer

**Turbochargers are very reliable:
Some estimates are that less than 1% of turbos
fail due to a manufacturing fault with the turbo itself.**

**More than 95% of turbo failures are because of
problems with oil starvation, oil contamination
or foreign object damage.**

**BEFORE YOU INSTALL A NEW TURBO, FIND OUT WHAT CAUSED THE
FIRST UNIT TO FAIL OR YOU RISK THE REPLACEMENT FAILING TOO.**

Oil Starvation:

What causes oil starvation?

- Low engine oil level in the sump.
- A bent or kinked oil feed pipe.
- Carbon deposits (coking) in the oil feed pipe.
- Blockage caused by applying silicone to the oil inlet gasket.
- Incorrect oil inlet gasket restricting oil supply.
- A blocked, damaged or poor quality oil filter.
- Worn oil pump.
- Failure to prime the replacement turbo with oil during fitting.
- The engine not being used for long periods, particularly in cold weather.

Preventing turbo failure caused by oil starvation:

- Do not use silicone on oil gaskets; it can easily become detached and block oil passages.
- Clean or replace oil inlet pipes to eliminate any carbon deposits or sludge that could restrict oil flow to the bearings.
- It is important to check the oil pressure and oil supply to the turbo.
- Always use fresh oil and new oil filters as recommended by the engine manufacturer when fitting a new turbo.



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