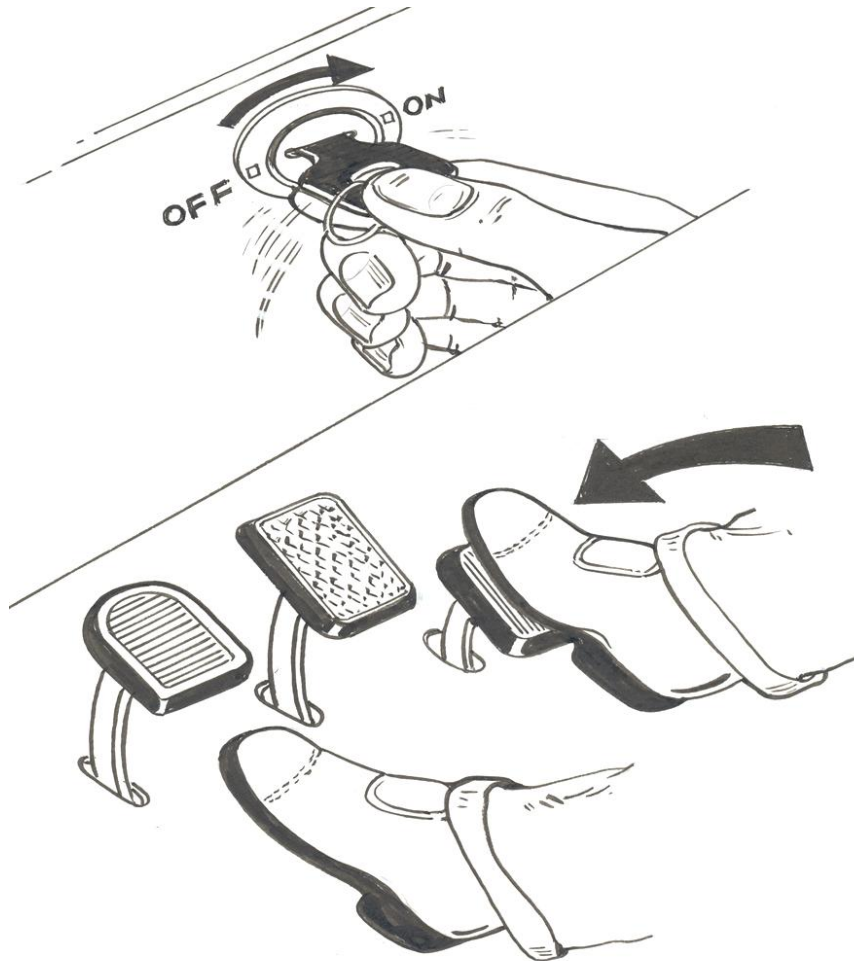




GOOD MAINTENANCE PRACTICES

DO NOT ACCELERATE THE ENGINE IMMEDIATELY AFTER START

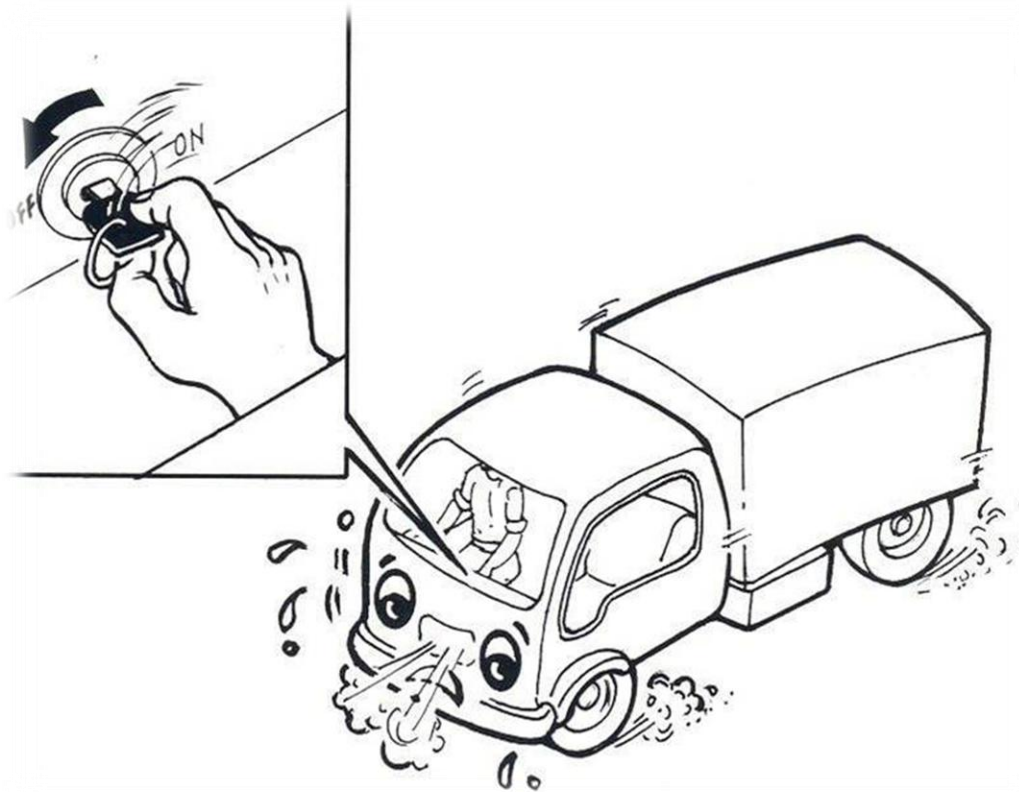


The engine should not be put under full load immediately after start.

We recommend the engine to be run at idling speed for a short time (60 seconds).

Accelerating the engine immediately after start can force the turbocharger to operate at very high speeds without adequate lubrication.

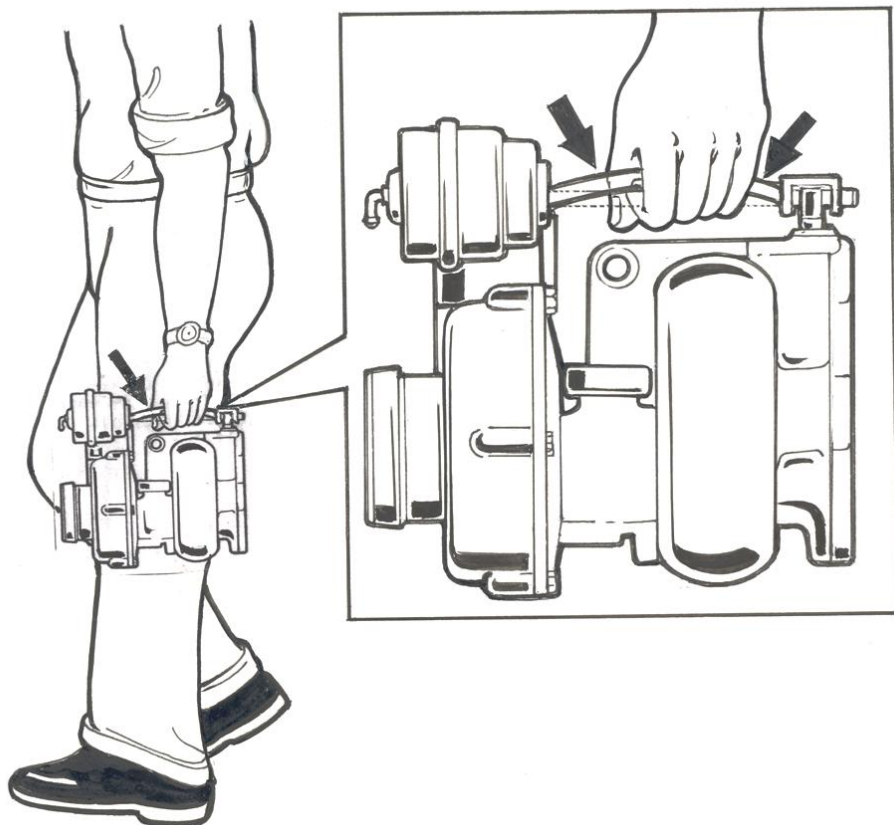
IDLE THE ENGINE FOR FEW MINUTES BEFORE STOPPING



Run the engine without load at high idle for few minutes before the engine is shutoff.

Idling will reduce the operating temperature and speed of the turbocharger before the engine stops.

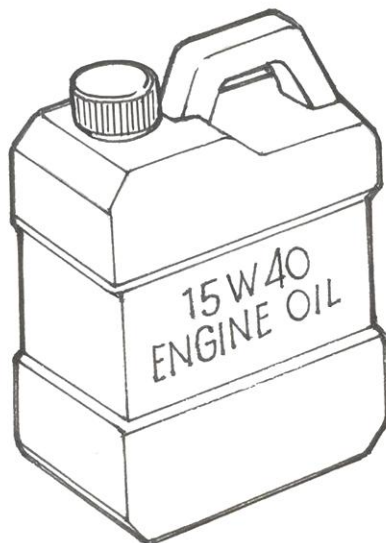
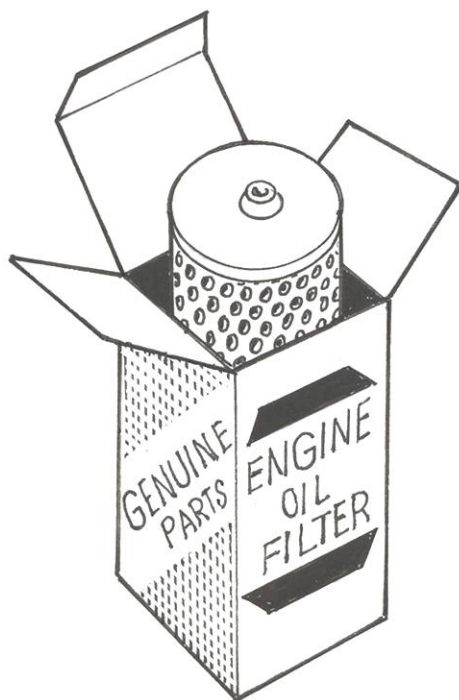
HANDLE THE TURBOCHARGER WITH AT MOST CARE



Handle the turbocharger with at most care as it is a very critical component. Safe and proper handling will ensure longer life of your turbocharger.

Never carry the turbocharger by holding the actuator rod. Doing so will damage the actuator assembly and reduce / damage the performance of your turbocharger.

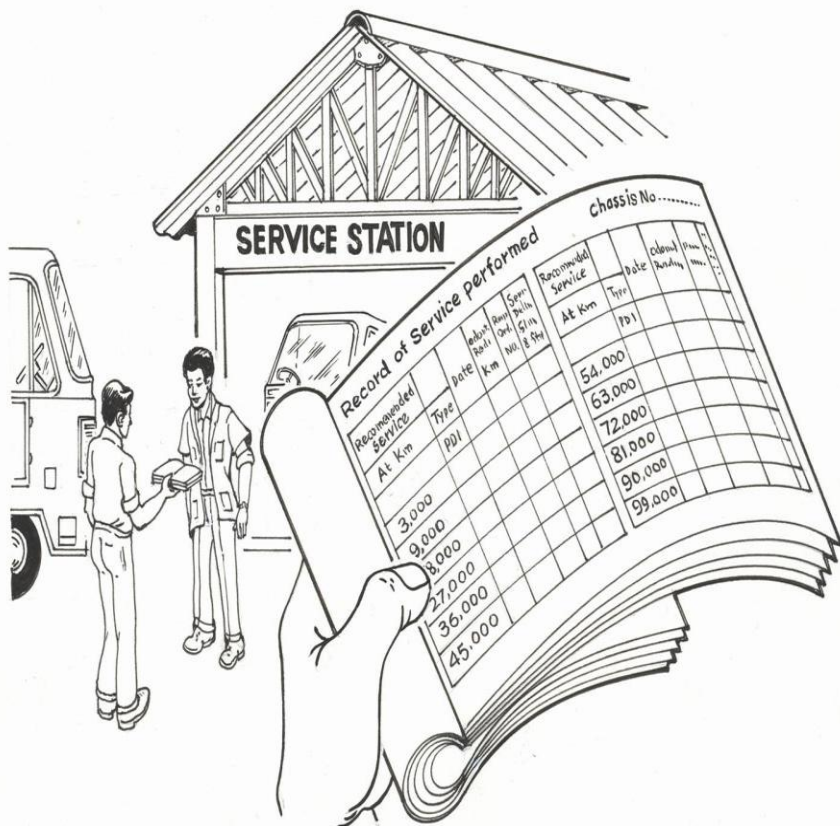
USE ONLY RECOMMENDED AND GENUINE ENGINE OIL AND OIL FILTERS



Engine Oil Recommended / Specified by the manufacturer should be used in the engine. Always ensure that the engine oil used is of the recommended grade.

Genuine oil filter should be used in the engine and it should be changed regularly on time in accordance with the engine manufacturer's recommendations.

SERVICE THE ENGINE AS PER ENGINE MANUFACTURER'S RECOMMENDATION



Specified engine oil and the oil filter should be used and should be changed regularly in accordance with the engine manufacturer's recommendations.

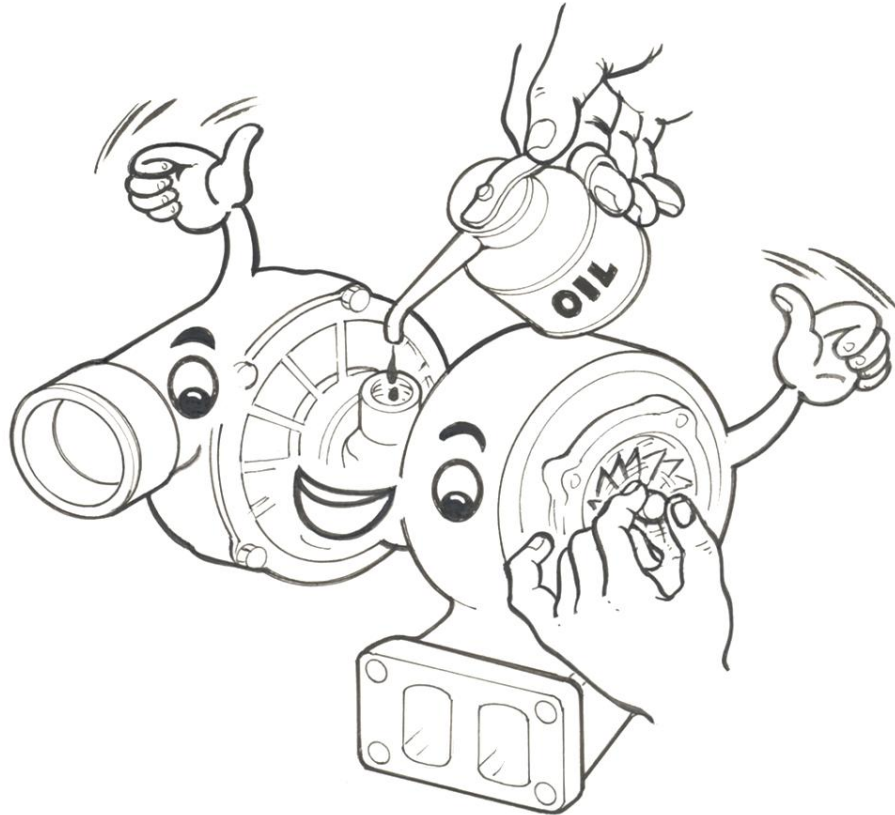
Carry out preventive maintenance of the engine at proper intervals and never stretch the duration between services of the engine.

FILL THE OIL FILTER BOWL WITH CLEAN ENGINE OIL BEFORE FITMENT



Specified grade engine oil and genuine oil filter should be used and should be changed regularly in accordance with the engine manufacturer's recommendations.

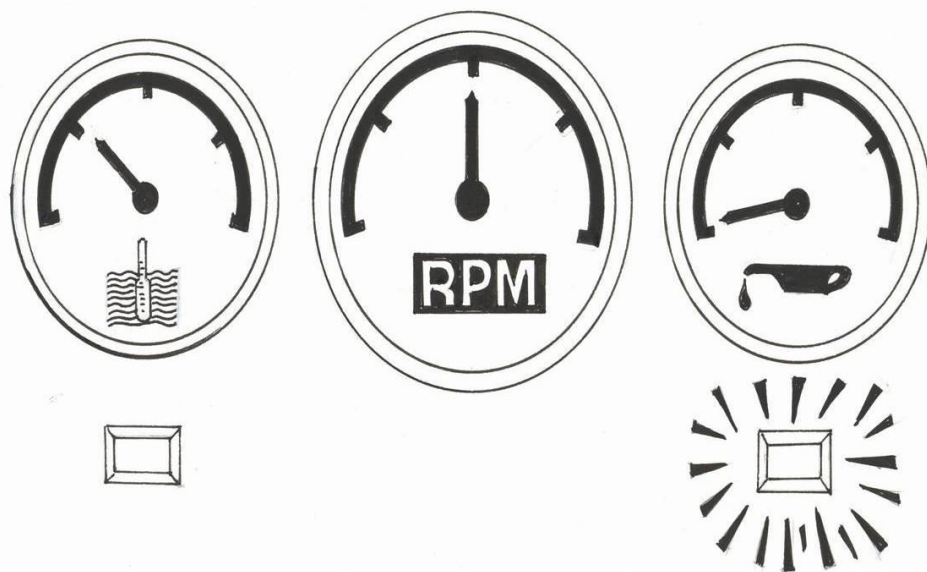
PRIME THE TURBOCHARGER BEFORE FITMENT & AFTER SERVICE



Prime the turbocharger with clean engine oil before fitment after service / repairs.

It is also recommended to prime the turbocharger after replacement of engine oil and filters so that there is adequate oil inside the turbocharger during startup of the engine.

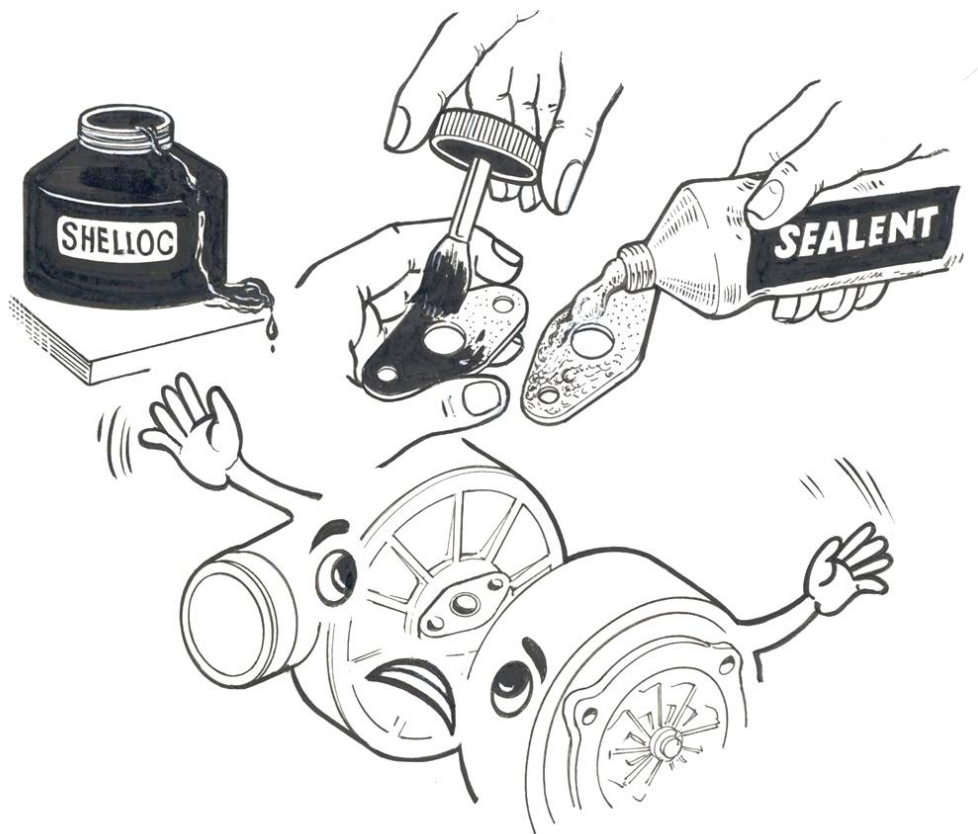
DO NOT OPERATE THE ENGINE WITH LOW LUBE OIL PRESSURE



Switch off the engine and contact the service center if the engine oil pressure is low and the warning lamp is glowing.

Operating the engine with low oil pressure will damage the turbocharger extensively.

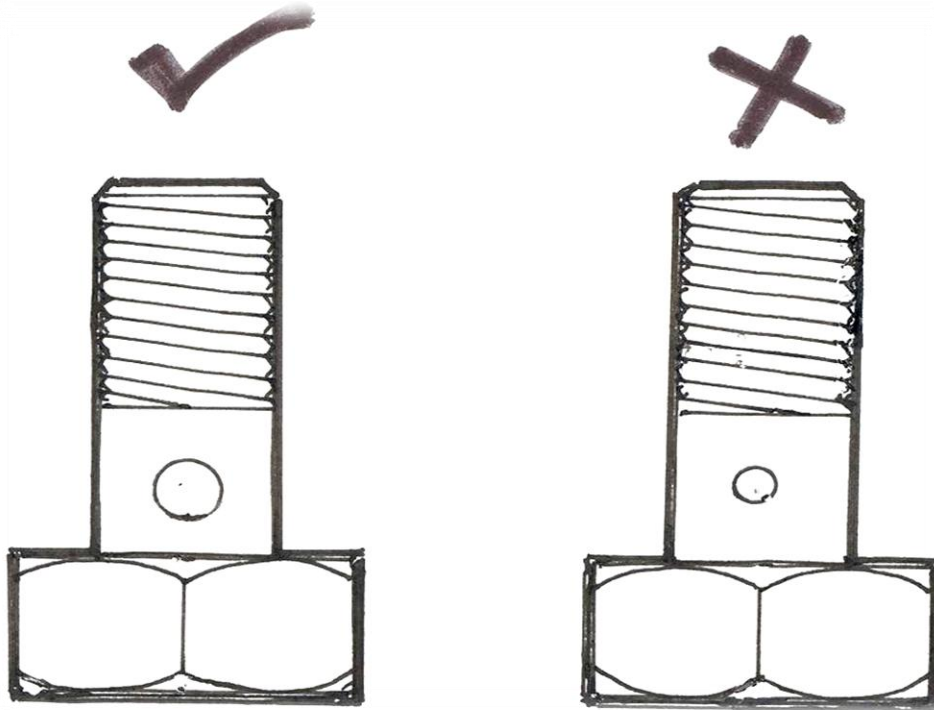
NEVER USE GASKET SEALANT PASTES ON THE TURBOCHARGER



Gasket sealant pastes will block / reduce the oil inlet / outlet passages in the turbocharger.

Usage of gasket sealant pastes will result in turbocharger failure and will also cause the warranty to be void.

USE PROPER SIZE BANJO BOLTS IN THE OIL INLET PASSAGES OF THE TURBOCHARGER



Correct size of banjo bolts ensure that adequate quantity of engine oil is supplied to the turbocharger at adequate pressure.

Incorrect size of banjo bolts can cause oil starvation in the turbocharger and cause failure.

CLEAN THE AIR FILTER REGULARLY AND IN THE RIGHT WAY

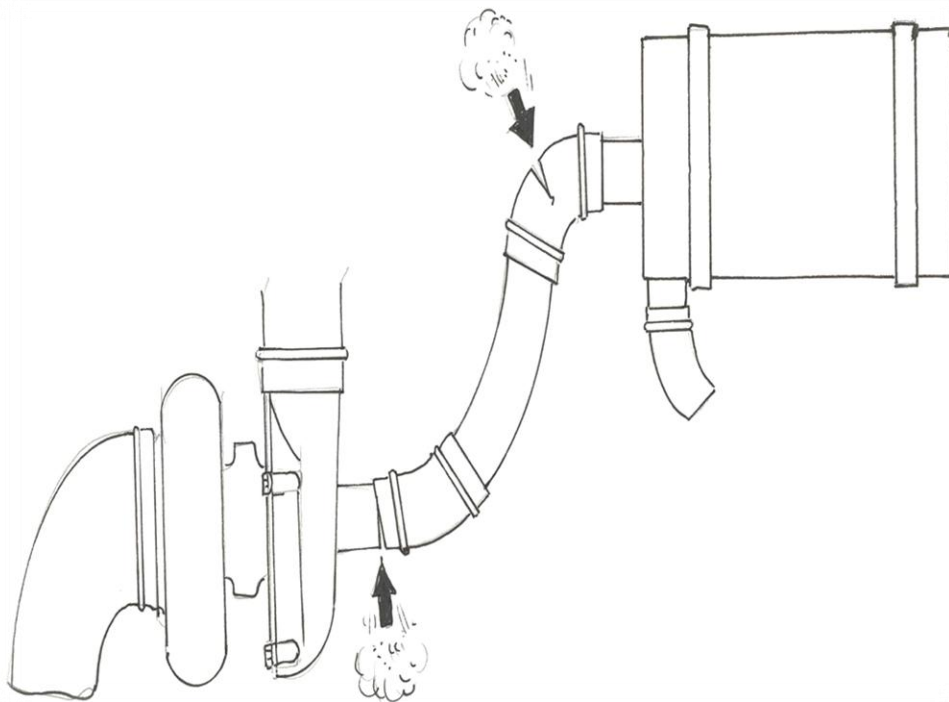


Choked / restricted air system can cause the turbocharger to fail. Clogged air cleaner will restrict the airflow at the turbocharger inlet. This may lead to high exhaust smoke and will also result in seepage of oil from turbocharger into the air intake system .

Always use genuine air filters and ensure that the air filters are cleaned regularly.

Always clean the air filter from the inside to out to ensure that no damages / ruptures are made to the air filter.

CHECK THE AIR ENTRY SYSTEM TO THE TURBOCHARGER FOR DAMAGES OR LEAKAGES

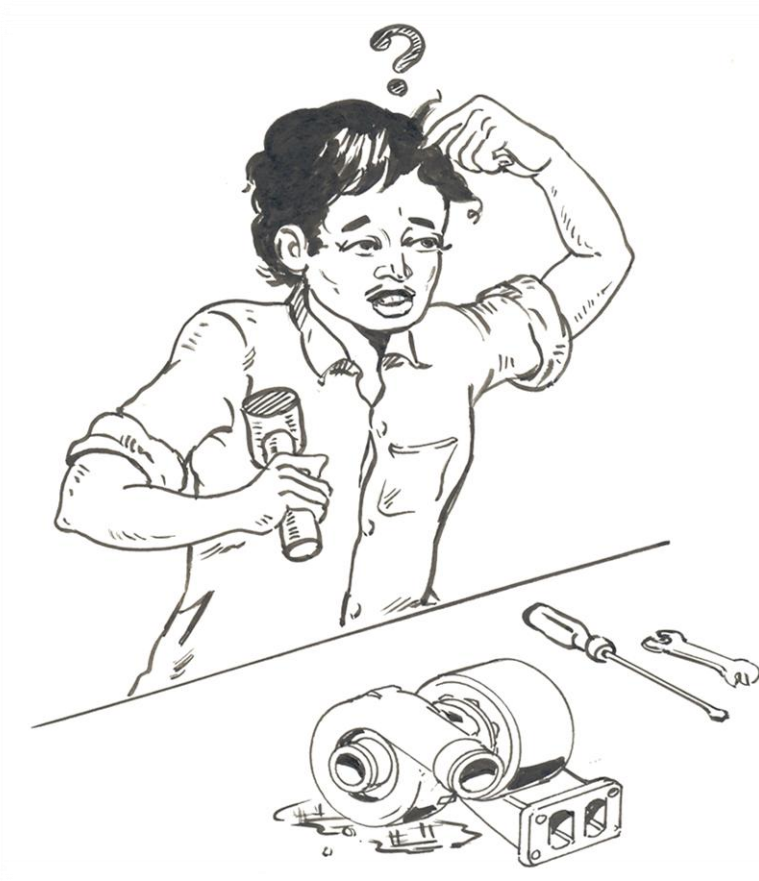


Damaged / Distorted / Ruptured / Loose hoses and/or clamps in the air entry system will allow unfiltered air to be sucked inside by the turbocharger. This will damage the compressor wheel and also force feed the engine with unclean air resulting in damage and failure to the engine as well.

Always check for damages in the air entry system and ensure that broken / distorted / damaged / loose clamps or hoses are replaced with new.

Always ensure that the clamps / hoses are tightened to adequate torque.

ALWAYS REFRAIN FROM UNAUTHORIZED SERVICE



Turbocharger is a high precision component and a critical part of your engine. It has extremely small tolerances inside and rotates at speeds of up to 2,50,000 rotations per minute.

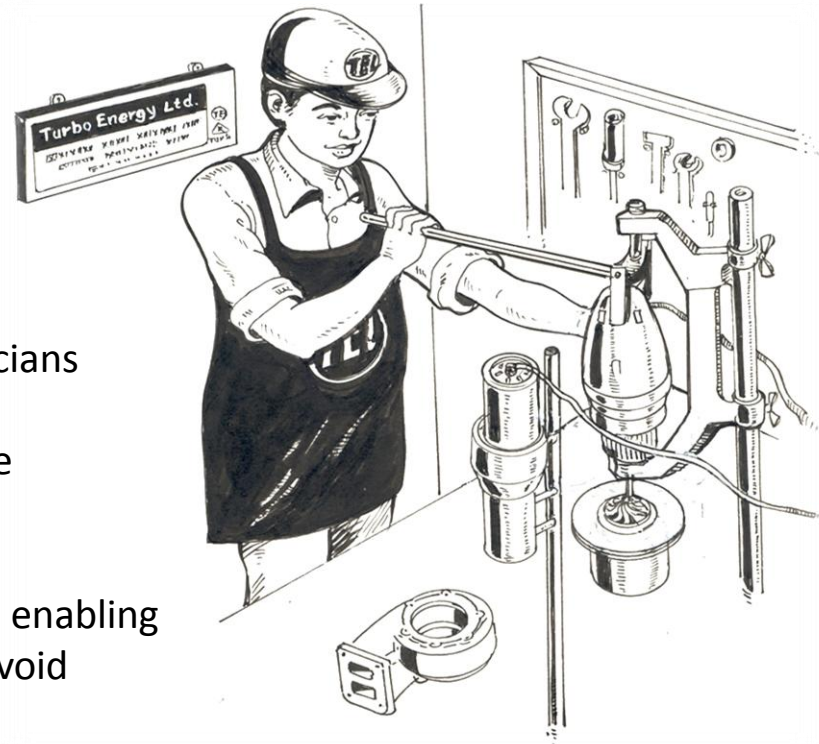
Any damages caused by untrained persons will cause failure of the turbocharger and may cost you expensive replacements.

Servicing / Repairs of a turbocharger is to be carried out only by a trained technician and must be done with proper special tools and machinery to ensure longer life and better performance of the turbocharger.

ALWAYS CHOOSE PARAMOUNT AUTOZONE FOR TURBOCHARGER SERVICE

Your Advantages in Paramount Autozone

- ✓ Exclusive full fledged service centre for Turbochargers
- ✓ Genuine and high quality Spare Parts
- ✓ Factory trained and well experienced technicians
- ✓ Warranty coverage for all the service jobs we carryout*.
- ✓ Failure analysis report for your turbocharger enabling to eliminate the root cause of the failure and avoid repeat failures.
- ✓ Training to your technicians to help them ascertain turbo failures and better maintenance of turbocharged engines*.



*Conditions apply

Contact us..

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Service Centers:

Palakkad

17/550(9),KTV Tower,

West Fort Road, Palakkad – 678 001

Phone : 0491 – 3260808, 3208000

Kochi

40/618, Bhagavathy Parambil Building,

Near Federal Bank, Palarivattom, Kochi – 682 025

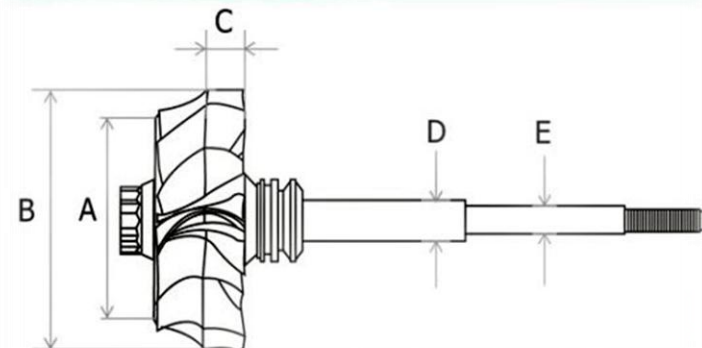
Phone : 0848 -3114333

Kozhikode

3/165-A,Nano Building,

**Major Santhosh Road, Behind Co-Op Urban Bank,
Vandipetta, West Nadakkavu, Kozhikode – 673 011**

Phone : 0495 3104333



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Opposite Technical High School, Thottada, Kannur – 670 007

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TC 36/1090(9), Narayan Nilayam,

Eanchakkal Junction, Vallakadavu P.O., Thiruvananthapuram – 695 008

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