



# DAVE'S AUTO CENTER LIMITED NATIONWIDE WARRANTY

Dave's Auto Center (DAC) warrants components against defects in our workmanship and material in accordance with the schedules and limitations outlined below. Repairs or replacement will be made at the DAC factory within a reasonable time after notice and upon receipt of the goods deemed to be defective per the schedules and limitations of our written warranty. A warranty case number must be assigned. Call DAC at 801-295-5020. Instructions will be provided after that, prior to any repair or replacement of goods. Diagnosis and all analysis of the failure, which could potentially include removal and tear down of the engine, is the responsibility of the customer. If the failure is determined to be a warranty issue, the cost of such will be reversed and refunded to the customer. All warranty work for vehicles within a radius of 250 miles of DAC must be brought in to our shop. If the vehicle is beyond that point, transport will be at DAC discretion. Warranty is transferable within 30 days of registration to new ownership. An administrative fee of 250.00 needs to be paid to transfer the warranty. Call for details.

<b>GASOLINE ENGINES</b>	<b>TIME OR MILEAGE, (whichever occurs first)</b>	
Short Blocks	6 Months or 8,000 Miles	Parts ^
Completes and Special Completes for Cars and Trucks	3 Years or 100,000 Miles	Parts ~†
Industrial/Non-Automotive◆	6 Months	Parts
Antique Motors (50 years or older)	30 day limited warranty	Parts

<b>PERFORMANCE ENGINES</b>		
Class I, Cars and Trucks (Short Blocks)	6 Months or 8,000 Miles	Parts ^
Class I, Cars and Trucks (Completes)	3 Years or 100,000 Miles	Parts ~†
Class II, Cars and Trucks (Short Blocks – Except Racing and Abuse)	6 Months or 8,000 Miles	Parts
Class II, Cars and Trucks (Completes – Except Racing and Abuse)	6 Months or 8,000 Miles	Parts ~
Class III	1 Year or 16,000 Miles Including Racing Appls.	No Warranty

<b>DIESEL ENGINES</b>		
<b>SHORT BOCKS***</b>		
School Bus	6 Months, Unlimited Mileage	Parts
Class 5-6-7 Truck (33,000 lbs. or less)	6 Months, Unlimited Mileage	Parts
Class 8 Truck (33,001 lbs. or more)	6 Months, Unlimited Mileage	Parts
Industrial/Non-Automotive◆	6 Months, Unlimited Hours	Parts
Transit/Bus	6 Months, Unlimited Mileage	Parts
<b>COMPLETES**</b>		
School Bus	1 Year, Unlimited Mileage	Parts
Class 5-6-7 Truck (33,000 lbs. or less)	1 Year, Unlimited Mileage	Parts ●
Class 8 Truck (33,001 lbs. or more)	6 Months, Unlimited Mileage	Parts ***
Industrial/Non-Automotive◆	6 Months, Unlimited Hours	Parts
Transit/Bus	6 Months, Unlimited Mileage	Parts ***
<b>RUNNING COMPLETES**</b>		
School Bus	2 Years, Unlimited Mileage	Parts
Class 5-6-7 Truck (33,000 lbs. or less)	2 Years, Unlimited Mileage	Parts ●
Class 8 Truck (33,001 lbs. or more)	1 Year, Unlimited Mileage	Parts ***
Industrial/Non-Automotive◆	1 Year, Unlimited Hours	Parts
Transit/Bus	1 Year, Unlimited Mileage	Parts ***
Fuel Pumps	1 Year	Parts ❁
Turbochargers	1 Year	Parts ❁
Injectors	1 Year	Parts ❁
6.0 L Heads	1 Year	Parts

<b>MARINE STOCK NUMBERS</b>		
Short Block Engines	90 Days, Unlimited Hours	Parts *
Complete Engines	2 Years, Unlimited Hours	Parts
Class II Performance Marine	6 Months, Unlimited Hours	Parts *



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- ◆ - Please contact us for our Special Industrial/Non-Automotive Warranty
- ∧ - Maximum labor on Short Blocks not to exceed purchase price of unit.
- \*\* - Does not include problems related to fuel components and accessories not installed by DAC.
- ~ - Motor Homes: Maximum of 25 hours for Completes; Maximum of 20 hours for Special Completes.
- † - Ambulance, automotive off-highway use, package delivery, police, snow removal, taxi, tow truck, transit bus or any vehicle over 1 ton, 18 Months or 100,000 Miles, whichever occurs first.
- \*\*\* - Does not include removal and installation.
- + - Detroit 8.2 & 8.2T engines and the Isuzu 4BD2T engine, 1 Year Parts & Labor
- ▲ - Two Year Warranty on Cummins 4 & 6 cylinder B Series (3.9 & 5.9) and C Series (8.3) Running Complete engines and One Year Warranty for Complete engines for non-automotive applications. Maximum 18 hours R & R
- - Motor Homes: Maximum of 30 hours for Completes; Maximum of 25 hours for Running Completes
- ❖ - Maximum labor for fuel pumps – \$125. Maximum labor for turbochargers – \$100. Maximum labor for electronic fuel injectors – \$75 per bank.  
**Lubricant must be used in applications for which it is provided for warranty to apply.**
- \* - Marine Labor – Maximum labor on Short Blocks not to exceed purchase price of unit; Maximum hours for Completes – 16.5; Maximum hours for Outboard Powerheads – 10. Maximum hours for Velvet Drives – 10.

NOTE: Maximum 18 hours R & R for all Complete and Running Complete Industrial/ Non-Automotive Diesel Engines

NOTE: Fuel injectors, fuel pumps, water pumps, hydraulic high pressure pumps, sensors, sending units, turbochargers, glow plugs, belts, hoses and other accessories included with the engine have a one year warranty, after which time they are considered maintenance items and are not covered by parts or labor. Parts included in installation kits are covered for the time stated by the manufacturer.

**Limitations: This warranty applies to products originally supplied by DAC. This warranty does not apply and is limited to the following provisions:** Oil leaks carry a warranty term of 6 months or 6,000 miles, whichever occurs first. Damage as a result of OVERHEATING, LACK OF LUBRICATION, or CONTAMINATION. This remanufactured engine has heat indicator tabs installed. Melting or removal of these tabs for any reason will VOID WARRANTY NO EXCEPTIONS. **The customer accepts and has been advised that the proper oil and oil change interval with a quality filter will be changed every 3000 miles and will retain proof. This is critical to the life of the engine. You are required to use the manufacturer's recommended grade and weight of oil and retain proof, which is a receipt from a shop that has a business license that includes current mileage, date, and part numbers for oil and filter. Boat engines are not to exceed 50 hours of operation between an oil change. Failure to follow these guidelines will result in a voided warranty. Any modifications to any systems that are not factory specific and alter the OEM specifications ie: tuners and software upgrades, and or aftermarket performance parts. Void any and all warranties. No exceptions.** Damage resulting from PRE-IGNITION or DETONATION. This includes but is not limited to: melted or broken pistons, broken piston rings, damaged cylinder heads and leaking head gaskets. Check engine light issues that are not repaired. Limitations are not limited to those listed in this document. Any further limitations listed on customer invoice shall be binding and supersede this warranty.

**Engines INSTALLED BY CUSTOMER and NOT DAC carry a warranty term of 6 months, PARTS ONLY, NO LABOR.**

All labor expenses for field repairs, removal and reinstallation shall be determined from hours listed in the current MITCHELL time guide or pre-approved time at the factory approved rate. Standard rate of \$75.00 an hour. Flat tappet camshafts and lifters will not be covered if damaged during break in, i.e. flat lobes. All used engines and transmissions come with a limited part only warranty see invoice for details. Used Engines and Transmissions do not cover any leaking of any gaskets/seals, smoking, lack of power, setting of check engine light codes, or overheating. Any failure resulting from lack of lubrication voids all warranty.

**Buyer specifically acknowledges that the components purchased will require additional accessories/components and must be properly installed or the warranty may be void. The limited warranty will be void and not apply to defects or failures caused by (1) over-revving (2) accident, abuse or an operation for which it was not designed, or alteration, either drivetrain or suspension, from the original manufacturer's specifications (3) damaged or inefficient parts, components or accessories not included in the sale (4) dirty or improper installation or contamination (5) overheating and/or freeze cracks to blocks, heads or drive cases (6) burned or melted pistons (7) lack of lubricants or fluids (8) detonation or pre-ignition (9) burned thrust bearings caused by rear pressure (10) rust, corrosion or damage caused by electrolysis.**

**Buyer specifically acknowledges that proper maintenance procedures which include, but are not limited to, changing or calibrating, as applicable, the filter, lubricant, harmonic balancer, fan hub, water pump, fuel injectors, fuel pumps, hoses, belts, etc, must be performed as recommended by the original manufacturer or the warranty will be void. Camshaft timing belts must be replaced in accordance with O.E.M. recommendations. DAC will not assume any responsibility for the cost of this routine maintenance. Failure to change this belt may lead to internal engine damage that will not be covered by the DAC Seller Limited Warranty. BELTS, HOSES AND OTHER ACCESSORY PARTS SUPPLIED BY DAC AS PART OF THE ASSEMBLED PRODUCT, ARE COVERED FOR THE FIRST YEAR OF THE WARRANTY ONLY.**

Proper installation procedures must be followed to avoid accident or injury. DAC limited warranty will end after the expiration of time or mileage from the date of the original invoice. Any repairs or replacement will not extend the warranty. The buyer shall be responsible for all defects, thereafter, regardless of cause.

DAC limited warranty is in lieu of all other warranties expressed or implied and DAC MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

**The buyer must notify DAC of any warranty claim prior to repair for assignment of an authorization number. The work will be performed either at DAC factory or by another selected vendor. It is the sole responsibility of the buyer to pay for such work and, in writing, submit a claim of the alleged defective parts shipped prepaid to DAC for its review and sole by another selected vendor. It is the sole responsibility of the buyer to pay for such work and, in writing, submit a claim the alleged defective parts shipped prepaid to determination.**

Buyer agrees that DAC will not be responsible for (1) incidental or consequential damages (2) lost profits, sales or income (3) injury to person or property (4) oil, antifreeze, fluids or other substances (5) towing charges (6) lift, dock or storage fees (7) telephone calls (8) freight (9) substitute transportation, lodging, etc. (10) unauthorized repairs (11) labor on a gasket kit, oil pump and lifters purchased with a short block engine or gasket kit supplied with a complete engine. Buyer and seller agree the seller's price is based upon this limited warranty. Buyer and seller also agree the buyer's sole and exclusive remedy against seller on account of breach of contract, warranty or performance shall be for the repair or replacement at DAC, of defects of DAC workmanship or material within the periods of this warranty. The buyer will be responsible for shipment and subject to the limitations and conditions of this warranty. No benefits or remedies are available under this limited warranty while the invoice for the unit or related services remains outstanding. Warranty credits not used within 1 year against future purchases will be considered void.



# DAVE'S AUTO CENTER LIMITED NATIONWIDE WARRANTY

## The customer needs to understand, agree to and sign this:

### Pre-Assembly Requirements

#### 1. Engine Block

#### 2. Cylinder Head/Valve covers

- Ensure valve covers are cleaned. If valve covers don't have baffles or oil passages, then thorough cleaning may be acceptable (**example 1A**)
- If valve covers have oil passages, baffles, or galleys, they need to be replaced, or the baffles need to be removed and reinstalled and evidence of such, such as pics retained for warranty purposes. (**example 1B**)
- Any covers replaced and gasket sealer is used, please be advised that very little is needed, and if too much is used you risk the chance of blocking off critical oil passages inside the engine. Refer to engine specific installation instructions.

#### 3. Crankshaft: **Important!** Ensure correct tone rings are installed. This is the responsibility of installing mechanics. **See Example 3A**

When installing Front and rear crankshaft seals and hardware ie: flywheels and harmonic balancers, please be advised that proper tooling and torque is critical to having a successful outcome so there will be no leaks at these critical points. Harmonic balancers must be installed with the proper tooling and Torqued to proper spec. A hammer is not the proper tool! Damaged thrust bearings caused by improper install will void limited warranty.

#### 4. Pistons: Pistons in a diesel motor are strong and durable, however, our over three decades of experience has shown us the one weak point in any diesel engine is the heat of combustion. This is mostly a function of the internal combustion process, which in a diesel is primarily a function of proper fueling, so tuning and overboosting will void limited warranty. Because of this there is no Warranty for failure of a Piston due to overheating, cracking, melting etc. Experience and Science has shown that these failures are most commonly caused by a malfunctioning fuel system i.e : injectors, injection pump, contamination of fuel system, poor tunes, turbo/s and other systems outside of your engine.

#### 5. Connecting Rods

#### 6. Camshaft: **Important!** Ensure correct tone rings are installed. This is the responsibility of installing mechanic. **See Example 3B**

#### 7. Valves

#### 8. Engine Hardware:

- Clean all bolts, studs, and fasteners.
- Remove old thread sealant or rust. Replace all hardware that has been compromised through stretching and or corrosion, like torque to yield.
- All covers including front and rear of the engine must have dowels installed if needed. If using old covers, provide pictures of cleaned covers including both sides, to show cleanliness and all dowels installed properly.

#### 9. Oil Pan:

- Remove sludge, debris, and old gasket material.
- Oil pans without baffles, need to be thoroughly cleaned (**example 1A**)
- Oil pans, like reference 1A, that are flaking off paint etc need to be replaced and or cleaned and prepped properly and digital evidence provided.
- Oil pans with baffles, and/or oil passages need to be replaced (**example 2B**) and or cleaned, which might include baffling and pipes being cleaned and bore scope records kept to ensure all debris have been removed and prepped properly and digital evidence provided.
- Oil coolers, either interior or exterior to the engine, must be replaced with new units. No flushing of coolers is acceptable. Failure to replace will result in void of limited warranty.

#### 10. Intake and Exhaust Manifolds:

- Clear any carbon or sludge buildup and or cleaned and prepped properly and digital evidence provided.
- Clean gasket surfaces.
- Intake manifolds need to be cleaned and resurfaced and or cleaned and prepped properly and digital evidence provided.
- Exhaust manifolds need to be resurfaced or replaced and or cleaned and prepped properly and digital evidence provided.

- Exhaust manifolds/systems with turbos need to be replaced or cleaned and prepped properly and digital evidence provided if no replacement is done. Please take pictures of both sides of compressor wheels and entire turbo housing and retain them for your records.
- We recommend resurfacing your exhaust manifolds to prevent exhaust leakage
- Intake manifolds that have piston/valve or other failure with any debris need to be replaced. Any intake system that cannot be seen completely with the eye must be bored scoped and a digital record of such inspection of all the passages must be taken and retained by the customer.

#### 11. Filters and Screens:

- Replace any filters/screens in the oil pump or fuel system. This includes oil pump pick up screens and any external filter systems and hoses.

#### 12. Cooling System Components:

- Flush radiator, hoses, and water pump, and thermostat/s. Pictures must be taken to retain proof that the radiator has been flushed internally and externally. Remove scale or debris from any other passages.

#### 13. Gasket Surfaces

- Scrape off old gasket material and clean surfaces thoroughly

#### 14. Emissions systems

- Exhaust Gas Recirculation: Clean E.G.R Valve ,E.G.R cooler. Visually inspect the cooler - if any moisture is present, the cooler must be replaced. You also must retain digital pictures for E.G.R has been cleaned.
- DPF, SCR, Catalyst any other exhaust system needs to be cleaned and flow tested, or replaced. This is extremely important, Most failed diesel engines are not running correctly before they fail. During this process of failure, the emissions/aftertreatment system suffers an overloading of soot and build up. This can damage these systems, so documentation of a clear and functioning aftertreatment system is critical to the start and the longevity of your Engine

#### 15. Fuel systems:

- The fuel system on a diesel engine is very complex and expensive. Care must be taken during disassembly so no dirt/debris enters the system, which will contaminate and compromise the entire system. Replacement of injectors with OE quality and or testing of all injectors is mandatory. Fuel filters must be replaced; failure to perform these items will void warranty. Keep receipts if warranty claims are necessary.
- Any mechanical fuel pump on gas or diesel needs to be replaced with a new pump. Failure to replace likely causes fuel in the crankcase, or will damage the camshaft or drive gear

#### 16. Import Note:

- Any Cylinder head that is O-Ringed or Fire-Ringed requires a hot retorque - Call shop for details, or see file record for any specifications provided. Failure to do so will cause head gasket failure, leaking coolant, and possible cross contamination of oil and coolant, and various other concerns.

#### 17. Start up and initial run in.

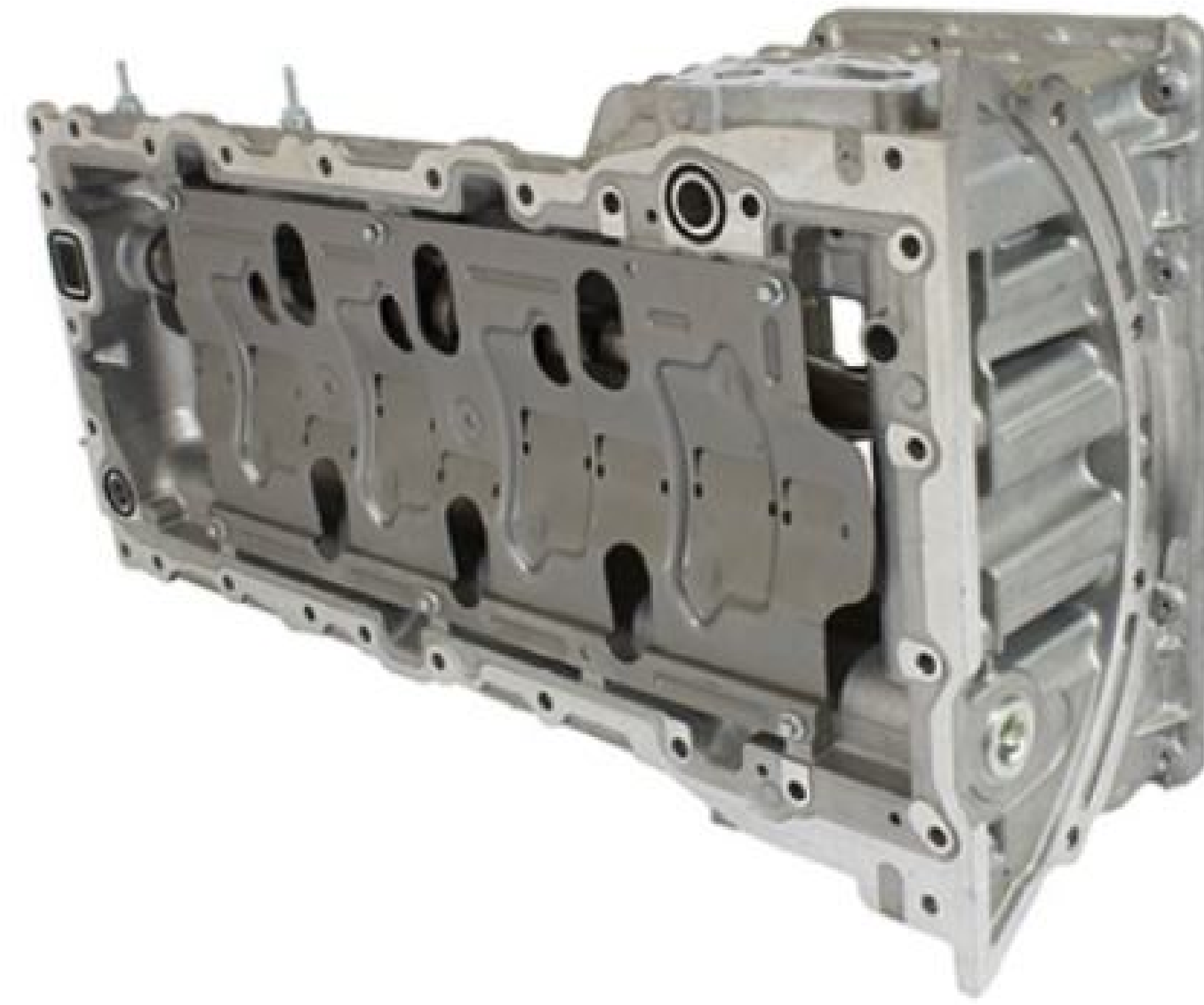
- The proper oil and filter as per manufacture recommendations must be used and receipts kept of all oil changes. Do not use cheap oil filters, this is very important. A factory filter is your best option.
- Fill the oil filter as much as possible before installing on your engine. This helps to prime the engine with oil as fast as possible. Make sure the cooling systems are in place and have been topped off and pressure tested for leaks. Do not start the engine without
- checking that the cooling system holds pressure. Take a digital video of the cooling system pressure tester holding pressure for your records.
- Bleed the fuel system of all air. This is very important so the engine will fire up as quickly as possible. This step is a very crucial point because a long crank time without the engine firing up can cause serious engine damage. Oil starvation will void the limited warranty. The truck should start within 15 seconds or you need to cure the problem for the no start.
- After the engine has run for 5 to 10 hours or no more the 500 miles change the oil and filter. This is a very important oil change keep your receipt that shows milage and date and part #s for your oil and filter. All oil change receipts will be needed to make a warranty claim if needed.

Thanks for your purchase and best wishes, Dave

Example 1A



Example 2B

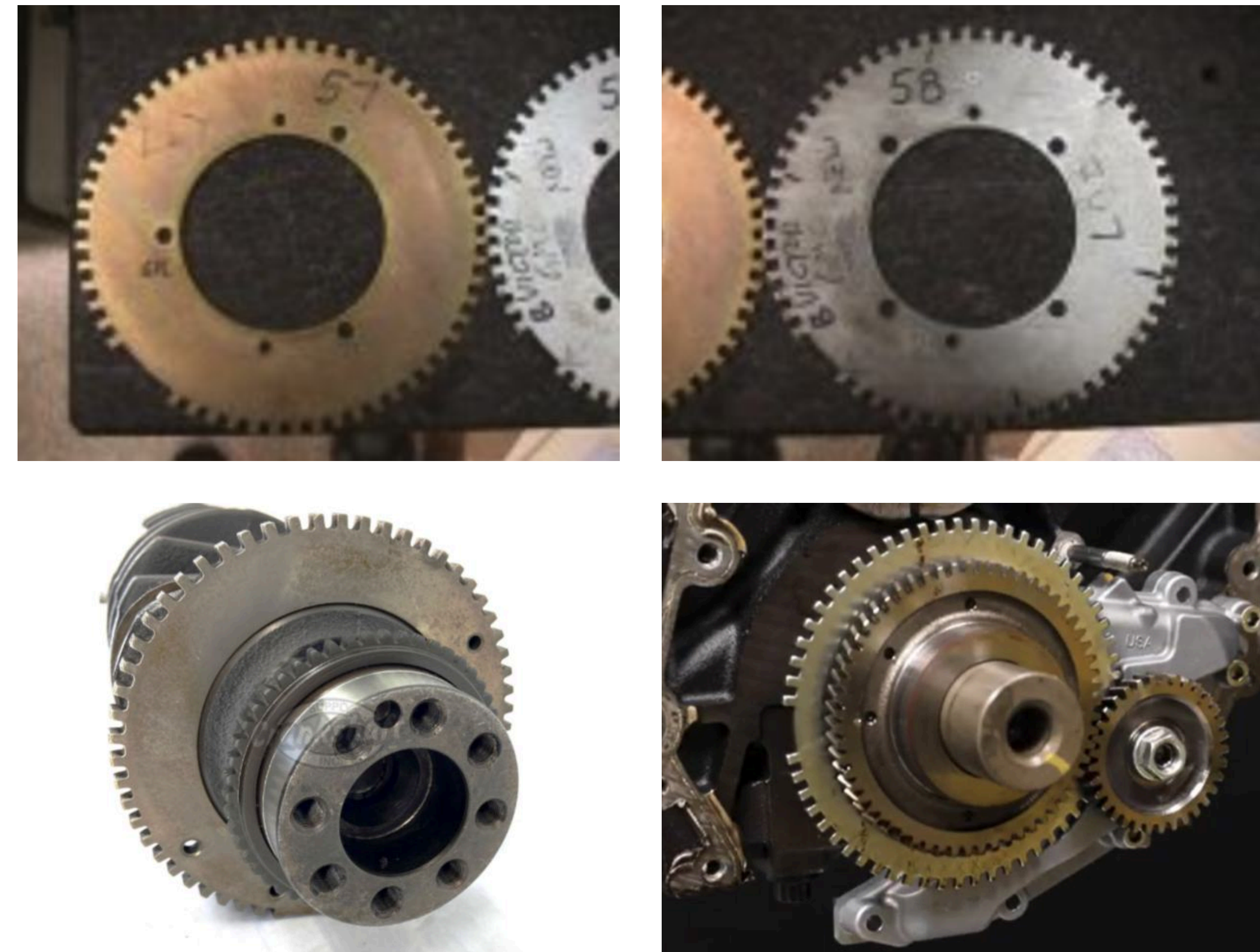


Example 1A



Example 3A

- 3 holes on LLY, 4 holes on LBZ. 57 teeth LLY, 58 teeth LBZ. Same apparent "timing" based on TDC indicator and timing holes. Both based on a 60 tooth wheel, with 3 or 2 teeth removed.



Example 2A



Example 3B



NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_