

BLACKWATER ENGINES

PO BOX 8888
VA BEACH, VA. 23450

Sales Receipt

| | |
|-----------|----------|
| Date | Sale No. |
| 4/20/2016 | BWE-4019 |

| |
|--|
| Sold To |
| TIM MILLER 6419 WILD ROSE DR. TABER, ALBERTA. CN T1G1Z4 PHONE: 403-223-9545 EMAIL: GEOMILL@SHOCKWARE.COM |

| | | |
|-----------|----------------|---------|
| Check No. | Payment Method | Project |
| | VISA | |

| Description | Qty | Rate | Amount |
|--|-----|--------------|--------|
| <p>CORES MUST BE RETURNED WITHIN THIRTY DAYS FROM THE DATE IN WHICH THE LONG BLOCK WAS RECEIVED OR CORE CHARGES WILL APPLY ACCORDING TO PRICES LISTED AT BLACKWATERENGINES.COM. ANY CORES RETURNED AFTER 30 DAYS, AT BLACKWATER'S DISCRETION, MAY BE SUBJECT TO A LATE FEE OF 20%. BLACKWATER WILL HAVE 90 DAYS TO INSPECT ANY RETURNED CORE FOR DAMAGE. CHARGES WILL BE BILLED AT THE TIME OF DISCOVERY OF THE DAMAGES.</p> <p>1 - Any long block core returned with a broken crankshaft, broken connecting rod, broken camshaft or broken valve will be considered an unacceptable core and a core charge will be billed. 2 - Any long block core returned with a visible hole or crack in the block or cylinder head will be considered an unacceptable core and a core charge will be billed. 3 - Any long block core returned that is not assembled, missing parts or a long block core that cannot rotate 360 degrees will be considered an unacceptable core and a core charge will be billed. 4 - Core charge prices are listed for each long block on the item description web page. 5 - A 50% to 100% core charge will be billed for any core that is returned but is considered unacceptable. 6 - A 100% container charge will be billed for any container that is not returned. 7 - A 100% core charge will be billed for any core that is not returned and your warranty will be void. PLEASE KNOW THE CONDITION OF THE CORE YOU WILL RETURN TO AVOID ANY ADDITIONAL CORE CHARGES. Any core engines returned after the specified thirty(30) days may be subject to a late core return fee of 20%.</p> <p>THERE IS A 5% CANCELLATION FEE FOR ANY ORDER THAT IS CANCELED BEFORE SHIPPING. IF THE ORDER IS CANCELED AFTER THE ENGINE HAS SHIPPED AND BEFORE INSTALLATION THE FEE WILL BE 20%.</p> <p>THANKS FOR YOUR BUSINESS!</p> | | 0.00 | 0.00 |
| | | Total | |

WARRANTY ACTIVATION FORM

The purchaser and installer information must be completed to activate the long block warranty. This information must be returned to Blackwater Engines Inc. within THIRTY (30) days of purchase to ensure validation of warranty. Failure to do so may void any warranty from Blackwater Engines. Warranty information can be returned to P.O. BOX 8888 Virginia Beach, VA 23450 Faxed to 757-855-5336 or emailed to Warranty@Blackwaterengines.com.

TO BE FILLED OUT BY PURCHASER

Blackwater Engines BWE # 100773
Owner Name: George Miller Sand and gravel
Street Address: 6919 Wildrose drive taber
City/State/Zip: TABER Alberta Canada
Phone Number (including area code): 403-223-9545

TO BE FILLED OUT BY THE INSTALLER

Installer Name: Darryl Randell
Street Address: 353 oak wood Drive
City/State/Zip: Pincher creek AB T0K 1W0
Phone Number (including area code): 403 632 9036
VIN# N6AF05023 ODOMETER Hours 4828
YEAR 2006 MAKE CASE
MODEL 885 ENGINE LITER (5.9, 7.3, 6.6, ETC.) 8.3
INSTALLATION DATE 2006 APR. 18 / 9

I HAVE READ, UNDERSTAND, AND AGREE TO ALL INFORMATION AND CONDITIONS WITH REGARD TO THIS INSTALLATION SHEET PAGES 1 AND 2 AND THE BLACKWATER ENGINES WARRANTY PAGES 1 THROUGH 6.

[Signature]
SIGNATURE

R
2006 APR. 10
DATE

Darryl Randell
PRINTED NAME

NEW Engine v.w # 100773

BLACKWATER ENGINES LIMITED

LONG BLOCK WARRANTY

Our Guarantee

- Every diesel long block is completely disassembled and individual components (blocks, heads, rods, crankshafts and camshafts) thoroughly cleaned to remove all contaminants which can lead to early engine failure.
- All blocks and cylinder heads are inspected for cracks and casting weakness using magnetic particle inspection methods.
- Cylinders are bored, then honed and gauged to precise tolerances as applicable to specific engine design as per the OEM specifications.
- All block and cylinder head surfaces are machined to angle as necessary and inspected with a profilometer to ensure proper surface finish.
- All valve guides and seats are replaced as necessary and machined to OEM specification.
- Every crankshaft is thoroughly reconditioned and rebalanced where applicable to specific build as per the OEM specifications.
- Each connecting rod is machined and matched to specific crankshaft and engine specification in coordination with the OEM specifications.
- Our long blocks receive a standard set of new parts such as gaskets, valves and springs, pistons and piston rings, bearings, seals, liners, oil pump or oil pump gears all of which are applicable to specific engine design.

Purchaser's Obligations

The purchaser must complete and return a copy of the provided warranty certificate within thirty days of receiving their long block. Purchaser must retain a copy of all pertinent documents related to the engine purchase and warranty. The obligations assumed under this warranty are in lieu of all expressed or implied guarantees.

As the purchaser, you are responsible for the return of your engine core in the container it was received and all necessary parts as outlined. The core must be assembled and complete. All cores must be returned within thirty (30) days of receipt. Your warranty terms may be subject to review if core return terms have not been met. Blackwater Engines will not charge installers for cores which are not promptly or properly returned. It is solely the responsibility of the Purchaser to return the engine core within thirty (30) days.

Installer's Obligations

It is the installer responsibility to ensure all engine accessories and controls are in proper working condition. Installer must prime the oil system by using an air over hydraulic (pump) or similar. Using the starter to prime your oil system will immediately void all warranties. See the Blackwater Engines long block installation instructions.

Installer must clean and test the fuel injectors at an AUTHORIZED FUEL INJECTION SHOP. Replace the oil cooler and all associated lines with the block. Replace the air compressor if applicable. Reset the computer system and scan to verify proper operation. Bleed air from the cooling system on a closed system with an evacuation system. Clean the intake system and other internal parts installed on the engine.

All new and remanufactured engines are subject to multiple break-in periods. Engine oil and oil filter must be changed within 25 miles of initial installation and startup, then again after 500 miles. Failure to complete scheduled break-in maintenance will void your warranty.

TUNERS OF ANY KIND WILL AUTOMATICALLY VOID THIS LIMITED WARRANTY

Warranty Terms

This warranty covers components against defects in our workmanship and material in accordance with the schedules and limitations listed herein. This warranty does not include coverage of any damages due to alteration, accident, or negligence in maintenance, including but not limited to improper use and/or any use other than the vehicle's initial design. This includes all use related to racing or competition. All racing related parts, aftermarket or non will void this warranty (aftermarket fuel systems, turbo, blowers, modified computer systems, or any other modification that is not on the vehicle or equipment when built by the OEM manufacturer).

Proper use is discussed in the Owner's Manual of your vehicle. In addition, coverage does not apply if the mileage reading has been altered or the odometer has been disconnected. The warranty does not cover damage caused by lack of scheduled maintenance, which is noted in your owner's manual. This includes proper levels of fluids, lubricants, oil, and fuel. Proof of proper maintenance is the owner's responsibility. Keep all maintenance related receipts, as they may be requested during the processing of any warranty claim.

This warranty does not warrant against substitute transportation, towing, lost sales or income, profits, loss of time, lodging, injury or death to persons, or any additional incidental damages that may occur during operation, maintenance, installation or repair of vehicle or long block. No reimbursement for fluids, filters, fuel, sensors, belts, hoses, injectors, and any gaskets not supplied by Blackwater Engines.

The standard limited warranty will cover no more than Five Hundred Dollars (\$500.00) in out of pocket expenses or any other expense associated with a warranty claim, this includes shipping/freight. Blackwater Engines also offers an extended warranty which increases the payout limit to Fifteen Hundred Dollars (\$1,500.00) in out of pocket cost for an additional \$250.00. The extended warranty option does not increase the time or mileage limits in any way.

BLACKWATER E N G I N E S

No full refunds will be issued after the engine has been installed. It is the installer's responsibility to make sure the engine being installed is correct for the application and is like for like with the existing engine. Labor cost is based on Chilton's labor guide at \$70.00 per hour labor rate.

Blackwater Engines shall not be liable for incidental or consequential damages resulting from breach of this written warranty or any implied warranty.

This warranty is transferrable only if all warranty transfer paperwork is properly filed with Blackwater Engines.

Any dispute arising under or in connection with the agreement or related to any matter which is the subject of the agreement shall be subject to the exclusive jurisdiction of the state and/or federal courts located in the Commonwealth of Virginia. This Agreement shall be construed and governed in accordance with the laws of the Commonwealth of Virginia.

This warranty does not cover issues associated with improper installation and/or reuse of components not included with the new engine. Thus including:

- Damage due to computer codes or check engine light codes not addressed and repaired as per OEM calibrations.
- Damage due to the installer using incorrect gaskets or sealant. Be sure to confirm the gaskets are correct for your engine and application prior to installation.
- Damage due to detonation or pre-ignition caused by faulty or modified fuel system (high exhaust gas temp is a sign of a faulty or modified fuel system) or computer system. Faulty sensors give faulty info to the computer that controls the engine.
- Overheating due to faulty cooling system (bad radiator), fuel system, computer system or water pressure loss. Do not remove the heat tabs installed on your long block.
- All oil systems must be pressure primed prior to initial startup with air over hydraulic pump or similar. Skipping this crucial step may lead to irreparable bearing damage and cannot be warrantied. **Do not use your vehicle's starter and engine's oil pump to prime the oil system.** This will cause irreparable bearing damage and cannot be warrantied.
- All accessory parts must be properly cleaned and/or replaced prior to installation. This includes oil cooler, sheet metal, etc.
- Please ensure that all timing marks are set properly as per OEM specifications depending upon application, before installation.
- Damaged pistons, cylinders, valves or rings caused by overheating, detonation, over fueling, over boost by the turbo, foreign object entering the combustion chamber, or faulty fuel system cannot be warrantied.
- Damage due to lack of lubrication including but not limited to (Burned Bearings, Running the Engine with Low Oil, Faulty Turbo, Air Compressor, etc.)

Warranty Time Lines

Trucks

Two (2) Years – 50,000 Miles

6.0L Ford/Navistar, 6.4L Ford/Navistar. Class 3 and Below. One (1) Year – 50,000 Miles or 2000 Hours for any commercially registered vehicles or vehicles over one (1) ton.

Three (3) Years – 75,000 Miles

6.6L Duramax Diesel (LB7, LLY, LBZ, LMM), 7.3L Ford/Navistar, 5.9L 12V Cummins, 5.9L 24V Cummins, 6.7L ISB Cummins. One (1) Year – 50,000 Miles or 2000 Hours for any commercially registered vehicles or vehicles over one ton.

Heavy Duty Marine--Industrial Long Blocks--Commercially Registered Vehicles

One (1) Year or 2,000 Hours

On road industrial, motor homes, any vehicle registered over one (1) ton, off road industrial, agricultural, marine diesel, commercially registered diesel engines, generator engines, commercially registered vehicles or equipment.

HOW TO OBTAIN SERVICE UNDER THIS WARRANTY

In order to begin a warranty claim we require a completed Warranty Claim Form, this form can be found at www.Blackwaterengines.com and must be completed and submitted before any repair work has been done.

All claims must be brought to the attention of the installer, not Blackwater Engines (unless agreed upon by Blackwater Engines). Blackwater Engines does not install engines. Once the installer determines that the failure or problem is within the guidelines of the warranty in question the installer must contact Blackwater Engines. Blackwater Engines will then authorize repairs, not monetary reimbursement, as seen fit, in written format. All authorized repairs will be signed by a Blackwater Engines representative.

Once repair is authorized, all parts, or the engine in question, must be sent to Blackwater Engines for inspection at the cost of the purchaser. Freight is at the expense of the purchaser for all inbound & outbound warranty shipments.

Blackwater Engines will specify what parts to return in the warranty claim form response. Upon inspection of the parts and /or labor in question, Blackwater Engines will determine the cause of the failure in question.

If Blackwater Engines find the parts and/or labor in question to be the responsibility of Blackwater Engines they will issue a claim acknowledgment stating their findings, responsibility, and liability. Blackwater Engines will then repair or replace the parts in question. No claims will

BLACKWATER E N G I N E S

be considered if any outstanding money is unpaid, or any cores have not been received.

**NO WARRANTY ISSUES WILL BE ADDRESSED UNTIL PROPER
PAPERWORK HAS BEEN SUBMITTED BY THE PURCHASER.**

For any inquires please contact us using one of the following methods:

Toll Free: 1.877.421.4317

Fax: 1.757.855.5336

Email: warranty@blackwaterengines.com

TRANSMISSION VERIFICATION REPORT

TIME : 05/10/2016 11:07
NAME :
FAX :
SER.# : BRUEBF 348442

| | |
|--------------|-------------|
| DATE, TIME | 05/10 11:04 |
| FAX NO./NAME | 17578555336 |
| DURATION | 00:02:52 |
| PAGE(S) | 06 |
| RESULT | OK |
| MODE | STANDARD |

COMMERCIAL INVOICE

| | | | |
|--|--|--|---|
| 1. SHIPPER/EXPORTER George Miller Sand & Gravel Ltd 6419 Wildrose Drive Taber, AB T1G 1Z4 | | 2. BILL OF LADING NO. 0001 | 3. DATE May 6, 2016 |
| 6. ULTIMATE CONSIGNEE Blackwater Engine 949 Seahawk Cir Virginia Beach VA 234527811 | | 4. PRO NUMBER 3855080600 | |
| 7. CUSTOMS BROKER Fed Ex Trade Lisa Quintero (agent). | | 5. P.O. NO. | |
| 8. U.S. FREIGHT FORWARDER Fedex Freight | | 9. COUNTRY OF ORIGIN U.S.A. | (IF SHIPMENT INCLUDES GOODS OF DIFFERENT ORIGINS, ENTER ORIGINS AGAINST ITEMS IN FIELD 17.) |
| 11. MODE OF TRANSPORTATION | | 10. POINT (STATE) OF ORIGIN OR FTZ NO. | |
| 12. PLACE OF RECEIPT BY PRE-CARRIER | | 15. PURCHASER'S NAME & ADDRESS (IF OTHER THAN CONSIGNEE) | |
| 13. EXPORTING CARRIER | | | |
| 14. U.S. PORT OF EXPORT | | | |

PARTICULARS FURNISHED BY SHIPPER

| 16. H.M. | 17. PIECES, DESCRIPTION OF COMMODITIES, MARKS NOS., KINDS OF PACKAGING | | | 21. UNIT PRICE | 22. GROSS WEIGHT (LBS.) | 23. VALUE (U.S. dollars, omit cents) (Selling price or cost if not sold) |
|-------------|---|---|--------------------------------|---------------------------------|-------------------------------|--|
| | 18. SCHEDULE B CLASSIFICATION NO. | 19. QUANTITY SCHEDULE B UNITS | 20. GROSS WEIGHT (KILOS) | | | |
| 1. | | 1 PLT | 535 Kgs | | 1180 lbs | \$ |
| 2. | | | | | | |
| 3. | | | | | | |
| 4. | | | | | | |
| | | | | 24. TOTAL WEIGHT (LBS.) 1180 | 25. | |
| 26. PACKING | 27. DOM. FREIGHT | 28. INTL FREIGHT <input checked="" type="checkbox"/> | 29. OTHER CHARGES (Specify) | 30. INSURANCE | 31. TOTAL EXTRA CHARGES | |
| | | | | 32. DISCOUNT | 33. INVOICE TOTAL | |

MARK "X" IN H.M. COLUMN FOR HAZARDOUS MATERIALS.

34. U.S. SHIPPER

X

George Miller

CANADA UNIFORM STRAIGHT BILL OF LADING --- NOT NEGOTIABLE --- NON NEGOCIABLE --- NON NEGOCIABLE

SUBJECT TO THE TERMS AND CONDITIONS OF THE UNIFORM BILL OF LADING --- QUESTIONS? CALL 1.800.567.5567 / ASSUJETT AUX CONDITIONS GÉNÉRALES DU BON DE CONNAISSANCE --- DES QUESTIONS? APPELEZ AU 1.800.567.5567



Freight 3855080600



| | | |
|---|---|--|
| Date/Date 04/20/2016 | Shipper's Bill of Lading #/Numéro du bon de connaissance de l'expéditeur BWE-4019 | Purchase Order #/Numéro de commande |
| Shipper #/Numéro de l'expéditeur | | Shipper #/Numéro de l'expéditeur |
| REQUIRED: Please select a service type / Exige: Veuillez choisir un service <input type="checkbox"/> FedEx Freight™ Priority <i>FedEx Freight™ Priorité</i> <input checked="" type="checkbox"/> FedEx Freight™ Economy <i>FedEx Freight™ Économie</i> <small>(Carriage of 15' High Pallets on U.S. Domestic)</small> | | OPTIONAL: You may select a money-back guarantee delivery (charges and tariff limitations may apply). / Option: Vous pouvez sélectionner une livraison avec une garantie remboursant. Un supplément et des frais de tarification peuvent s'appliquer. <input type="checkbox"/> A.M. Delivery <i>Livraison en matinée</i> <input type="checkbox"/> Close of Business Delivery <i>Livraison avant la fermeture</i> |

SHIPPER (from)/Expéditeur (de) Please provide ZIP/postal codes and phone numbers. Veuillez noter les codes postaux et les numéros de téléphone. RECIPIENT (to)/Destinataire (à)

| | | | |
|--|--|--|--|
| Shipper/Expéditeur GEORGE MILLER SAND & GRAVEL | FedEx Freight Acct. # / Numéro de compte FFX | Recipient/Destinataire BLACKWATER ENGINE | FedEx Freight Acct. # / Numéro de compte FFX XXXXX3814 |
| Attn to/À l'attention de DARRYL | Country Code/Code de pays | Area Code/Code régional 4032239545 | Attn to/À l'attention de |
| Address/Adresse 6419 WILD ROSE DR. | | Address/Adresse 949 SEAHAWK CIR | |
| City/Ville TABER | | City/Ville VIRGINIA BEACH | |
| State/Province AB | ZIP/Postal Code/Code postal T1G1Z4 | Country/Pays CA | State/Province VA |
| Special Instructions/Directives particulières | | ZIP/Postal Code/Code postal 234527811 | Country/Pays US |

BILL FREIGHT CHARGES TO (if different than above)/Frais de transport imputables à (si différent de ci-dessus):

| | | |
|----------------------------------|--|---------------------------------|
| Name/Nom | FedEx Freight Acct. # / Numéro de compte FFX | Mailing Address/Adresse postale |
| City/Ville | State/Province | ZIP/Postal Code/Code postal |
| Country/Pays | Country Code/Code de pays | Area Code/Code régional |
| Phone Number/Numéro de téléphone | | |

Freight charges are COLLECT unless marked prepaid / Les frais de transport seront à percevoir à moins d'avis contraire

C.O.D./C.R.
 CAN USD \$ _____
AMOUNT/MONTANT

1. The letters "C.O.D." must appear in box before recipient's name above. / Les lettres C.R. doivent être indiquées dans la case précédant le nom du destinataire ci-dessus.
 2. C.O.D. funds to be collected as: C.R. les frais doivent être perçus de la façon suivante:
 Cash/En espèces Certified Funds/Fonds certifiés Company Cheques/Chèques d'entreprise Personal Cheques/Chèques personnels
 3. C.O.D. fee to be paid by: Les frais C.R. doivent être payés par: Shipper/Expéditeur Recipient/Destinataire

REMIT C.O.D. TO (if different than shipper above)/Remettre contre remboursement (C.R.) à (si différent de l'expéditeur ci-dessus):

| | |
|----------------------------------|---------------------------------|
| Name/Nom | Mailing Address/Adresse postale |
| City/Ville | State/Province |
| ZIP/Postal Code/Code postal | Country/Pays |
| Country Code/Code de pays | Area Code/Code régional |
| Phone Number/Numéro de téléphone | |

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above and in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined, as indicated above, which said carrier (the word carrier having understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery of said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier, of all or any of said property over all or any portion of said route (destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

REÇU, en vertu des classifications et des tarifs légalement déposés à compter de la date d'émission du présent bon de connaissance, le bien décrit ci-dessus en bon état apparent sauf tel qu'indiqué (contenu et condition du contenu des colis inconnus), marqué, consigné et destiné, comme il est indiqué ci-dessus par le dit transporteur (au sens de toute personne ou société en possession du bien en vertu du contrat) accepte de livrer à son emplacement habituel de livraison ou de destination, si elle se trouve sur son itinéraire, autrement de le livrer à un autre transporteur desservant l'itinéraire de ladite destination. Chaque transporteur de tout ou partie desdits biens le long de tout ou partie dudit itinéraire vers la destination et chaque partie ayant un intérêt dans tout ou partie desdits biens convient de la façon mutuelle que tout service devant être effectué en vertu des présentes soit assujéti à toutes les conditions figurant au recto et au verso du présent document, non interdites par la loi, imprimées ou écrites à la main et que l'expéditeur a acceptées au qu'il ont été pour lui et ses ayants droit.

| Handling Units (H/U) Nombre d'unités à manipuler | H/U PKG. TYPE Type d'unités à manipuler | HM MD (X) Pièces | DESCRIPTION OF ARTICLES, KIND OF PACKAGE, SPECIAL MARKS AND EXCEPTIONS Description des articles, type d'emballage, marques particulières et exceptions (subject to correction) (soumis à des corrections) | WEIGHT IN LBS./KGS Poids en lb./kg | NMFC ITEM # Numéro article NMFC (subject to correction) (soumis à des corrections) | CLASS Classe | CUBE Volume pieds cubes |
|---|--|---------------------|--|---------------------------------------|---|-----------------|-------------------------------|
| 1 | PLT | 1 | DIESEL ENGINE DIMS: 34 X 46 X 38 CM | 1180.0 KG | 120800-04 | 085 | |
| TOTAL WEIGHT | | | | 1180.0 KG | | | |

TOTAL H/U: 1
Total des unités à manipuler: **1**

★ **MARK "X" IN THE HM COLUMN TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN DOT REGULATIONS.**
Inscrire un X dans la colonne MD pour indiquer les matières dangereuses conformément à la définition des règlements du département des Transports.

HM EMERGENCY CONTACT PHONE NUMBER/NUMÉRO D'URGENCE 24 HEURES POUR MATIÈRES DANGEREUSES
HM EMERGENCY RESPONSE PROVIDER PERSON or CONTRACT #/ COMPAGNIE OU NUMÉRO DE TÉLÉPHONE POUR PLAN D'INTERVENTION D'URGENCE MD

Maximum liability of \$2,000/lb. or \$4.41/kg computed on the total actual weight unless declared valuation states otherwise. Please see additional terms and conditions on reverse. Responsabilité maximale de \$2,000/lb ou \$4.41/kg calculé sur le poids total réel à moins d'indication contraire par la valeur déclarée. S.V.P. voir les termes et conditions additionnels au verso.

Note - When the isto is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding/Note: Lorsque le prix est fonction de la valeur, les expéditeurs doivent déclarer, expressément par écrit la valeur convenue ou déclarée du bien. L'expéditeur déclare expressément par les présentes que la valeur revenue ou déclarée du bien ne dépasse pas:

\$ **2000** PER/PAR lbs CAD USD

Subject to section 9 et conditions, if this shipment is to be delivered to the recipient without recourse on the consignor, the consignor shall sign the following statement/En vertu de la partie 9 des conditions générales, si l'envoi doit être remis au destinataire sans recours à l'expéditeur, ce dernier doit signer la déclaration suivante. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. Le transporteur ne doit pas remettre l'envoi sans paiement du port et des autres autres frais légitimes.

Signature of Consignor/Signature du Destinataire
 I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by rail, highway, water according to applicable international and national regulations. Je déclare par les présentes que le contenu de l'envoi est entièrement et exactement tel que décrit ci-dessus par la désignation officielle de transport et est classifié, emballé, marqué et étiqueté, et est en tous points en bonne condition pour le transport par train, route, eau conformément aux règlements internationaux et nationaux applicables.

SHIPPER/TRANSPORTEUR

FOR INTERNATIONAL SHIPMENTS, PLEASE INDICATE THE NAME AND PHONE NUMBER OF THE BROKER BELOW/POUR LES ENVOIS INTERNATIONAUX, VEUILLEZ INDIQUER CI-DESSOUS LE NOM ET LE NUMÉRO DE TÉLÉPHONE DU COURTIER.

Broker Name/Nom du courtier: **FedEx**

Phone Number/Numéro de téléphone: _____

DATE/DATE: **May 6/16**

DRIVER/EMPLOYEE NUMBER/Numéro du transporteur/employé: **49**

PIECE COUNT/Nombre de Pièces: _____

TRAILER #/Numéro de remorque: **49**

TECHNICAL SERVICE BULLETIN

**BLACKWATER
E N G I N E S**

| | | | |
|--------|------------|------------|-------------|
| TSB #: | CRMS100 | ENGINE: | Cummins |
| DATE: | 06/04/2015 | ISSUED BY: | BWE SERVICE |

Cummins Rear Main Seal Installation Tool

All 5.9, 6.7 or 8.3 Cummins long blocks that require a single lip dry clutch seal ship with a # 3926126 rear seal & sleeve kit. Listed below are the Cummins service manual instructions and tooling part numbers for the correct installation procedure.. This tool is also required for the rear seal installation in a wet fly wheel housing application.

Use service tool, Part Number 3824078, to install the crankshaft seal/wear sleeve assembly, Install two (2) threaded studs into the crankshaft capscrew holes.

Apply a small amount of clean 15W-40 engine oil to the crankshaft, threaded studs, and the inside of the crankshaft rear seal/wear sleeve installation tool.

| Reference Number | Part Number | Description |
|------------------|-------------|-------------|
| 1 | 3163734 | Plate |
| 2 | 3163628 | Stud |
| 3 | 3163741 | Hex Nut |

Position the chamfered end of the wear sleeve (A) onto the end of the crankshaft (B).

Position the counterbore end of installation tool (C) over threaded studs and align with the wear sleeve, perpendicular to the end of the crankshaft.

Install the washers (D) and nuts (E) onto the threaded studs.

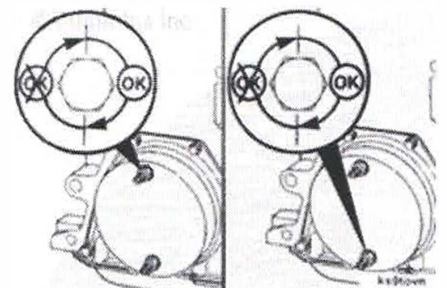
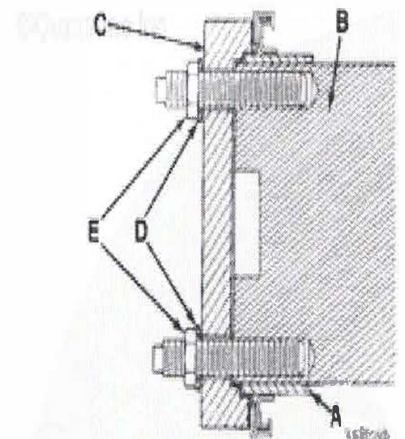
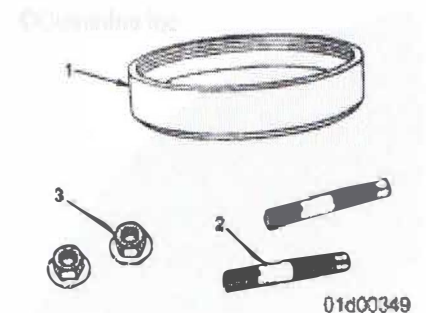
NOTE: The illustration shows a front gear train application with a rear crankshaft seal carrier. For rear gear train engines, the procedure for installing the crankshaft wear sleeve/seal into the flywheel housing bore is the same.

Alternately tighten the nuts ½ of a turn until the installation tool contacts the end of the crankshaft.

Do **not** exceed ½ of a turn of each nut to prevent wear sleeve binding and irregular stretch.

Torque Value: 20 n.m [177 ft-lb]

Remove the installation tool and the threaded studs.



TECHNICAL SERVICE BULLETIN

**BLACKWATER
E N G I N E S**

| | | | |
|--------|------------|------------|------------------------------|
| TSB #: | TSB-OA1010 | ENGINE: | ALL PRODUCTS, ESPECIALLY THE |
| DATE: | 04/02/2015 | ISSUED BY: | BWE SERVICE |

ZINC OIL ADDITIVE TECHNICAL BULLETIN

Over the last decade, the EPA has mandated that oil manufacturers reduce the levels of ZDDP additives in all types of motor oil. These additives are critical in limiting FLAT TAPPET camshaft wear. As of today, the flat tappet camshaft is used in the 5.9L, 6.7L, and 8.3L Cummins Diesel Engines, therefore, we highly recommend the use of some type of ZDDP oil additive or ZDDP enriched oil in all Cummins engines. The ZDDP additive is also beneficial in reducing high pressure wear points in all engines & is approved for use in all of our re-manufactured long block products.

Contact your ZDDP additive supplier of choice for specific details.

Laboratory Test Results

| Product tested | Method Zn/P | Result Zn/P | P:Zn Ratio |
|----------------|-------------|-------------|------------|
| ZDD Plus | AA/D-4951 | 6.50/5.21 | .801 |

5 Quart Oil ZDDP Dosing

| Product | bottle size | zinc % by weight | phosphorus % by weight | P Zn ratio |
|----------|-------------|---------------------|---------------------------|------------|
| ZDDPlus™ | 4 oz | 6.35 | 5.09 | 0.802 |
| GM EOS | 16 oz | 0.71 | 0.53 | 0.746 |

| Target Zinc Concentration | Ounces of ZDDPlus™ | Ounces of GM EOS | |
|---------------------------|--------------------|------------------|-------------------------|
| 0.07 | 1.55 | 13.54 | |
| 0.09 | 1.77 | 15.47 | ----- 1 bottle GM EOS |
| 0.09 | 1.99 | 17.41 | |
| 0.10 | 2.21 | 19.34 | |
| 0.11 | 2.44 | 21.27 | |
| 0.12 | 2.66 | 23.21 | |
| 0.13 | 2.88 | 25.14 | |
| 0.14 | 3.10 | 27.07 | |
| 0.15 | 3.32 | 29.01 | |
| 0.16 | 3.54 | 30.94 | |
| 0.17 | 3.76 | 32.88 | ----- 2 bottles GM EOS |
| 0.18 | 3.99 | 34.81 | ----- 1 bottle ZDDPlus™ |
| 0.19 | 4.21 | 36.74 | |
| 0.20 | 4.43 | 38.68 | |

BLACKWATER E N G I N E S

LONG BLOCK INSTALLATION INSTRUCTIONS

- THE INSTALLER IS RESPONSIBLE FOR DETERMINING THE LONG BLOCK RECEIVED IS LIKE FOR LIKE BEFORE INSTALLATION IN THE VEHICLE. ALTHOUGH WE BASE THE SHIPMENT FROM VIN NUMBERS AND ESN'S PROVIDED BY THE CUSTOMER, DUE TO MULTIPLE VARIABLES IN APPLICATIONS AND CONFIGURATIONS, IT IS THE INSTALLERS RESPONSIBILITY TO DETERMINE COMPATABILITY WITH THEIR SPECIFIC APPLICATION.
- YOU MUST PRIME THE OIL SYSTEM! DO NOT USE THE STARTER!!!! USE AN AIR OVER HYDRAULIC SYSTEM SUCH AS:
MELLING MPL-101 (<http://www.melling.com/Aftermarket/Stock-Products/Engine-PreLube>) OR GOODSON EPL-120 (<http://www.goodson.com/EPL-120-Engine-Pre-Lube-Tank/>).
DO NOT USE THE STARTER UNDER ANY CIRCUMSTANCE!!! YOU WILL BURN UP THE ENGINE.
- MUST USE A ZINC OIL ADDITIVE WITH FLAT TAPPET CAMSHAFT ENGINES! WE RECOMMEND ZDDP PLUS (<http://www.zddplus.com/>) OIL ADDITIVE. REFER TO TECHNICAL BULLETIN NUMBER OA1010 FOR MORE INFORMATION.
- MUST REPLACE **OIL COOLER** & LINES (IF APPLICABLE) WITH THE LONG BLOCK.
- MUST REPLACE THE **AIR COMPRESSOR** IF IT IS OIL FED OR IF IT IS COOLED BY THE ENGINE COOLANT.
- MUST RESET COMPUTER SYSTEM & SCAN TO VERIFY CORRECT FUEL SYSTEM & COMPUTER SYSTEM OPERATION! MODIFIED PROGRAMMING WILL IMMEDIATELY VOID ANY WARRANTY FROM BLACKWATER ENGINES.
- MUST BLEED AIR FROM THE COOLING SYSTEM IF IT IS A CLOSED COOLING SYSTEM! USE AN **EVACUATION SYSTEM** FROM MAC, SNAP ON, ETC. http://mityvac.com/pages/products_cse.asp REFER TO TECHNICAL BULLETIN ES-1210.
- MUST CLEAN INTAKE SYSTEM & ANY OTHER INTERNAL PART INSTALLED ON ENGINE. TRASH WILL DESTROY THE ENGINE. USE THE PROPER EQUIPMENT TO CLEAN THE PARTS. NO ABRASIVE DISCS TO CLEAN GASKET SURFACES!
- MUST CLEAN & TEST THE FUEL INJECTORS AT AN AUTHORIZED FUEL INJECTION SHOP OR PROVIDE NEW INJECTORS! **DO NOT USE THE OLD INJECTORS.** BAD

BLACKWATER
E N G I N E S

LONG BLOCK INSTALLATION INSTRUCTIONS

INJECTORS ARE THE MAIN CAUSE OF ENGINE FAILURES! MODIFIED INJECTORS ARE NOT RECOMMENDED & WILL VOID THE WARRANTY.

- USE OF ANY AFTER MARKET COMPUTER PROGRAMERS OR TUNERS WILL VOID THE BLACKWATER ENGINES WARRANTY.
- CHANGE OIL AFTER INITIAL START-UP (THIS IS TO REMOVE ENGINE ASSEMBLY LUBRICANTS).
- CHANGE OIL AFTER 500 MILES OR 10 HOURS
- CHANGE OIL AFTER 1000 MILES OR 50 HOURS
- CHANGE OIL AT RECOMMENDED INTERVALS
- NO SYNTHETIC OILS!!!! USE THE OIL RECOMMENDED BY THE MANUFACTURER. REFER TO TECHNICAL BULLETIN SO-1109.

PRINTED NAME _____
SIGNED _____
DATE _____

TECHNICAL SERVICE BULLETIN

**BLACKWATER
E N G I N E S**

| | | | |
|--------|------------|------------|-------------|
| TSB #: | CRMS100 | ENGINE: | Cummins |
| DATE: | 06/04/2015 | ISSUED BY: | BWE SERVICE |

Cummins Rear Main Seal Installation Tool

All 5.9, 6.7 or 8.3 Cummins long blocks that require a single lip dry clutch seal ship with a # 3926126 rear seal & sleeve kit. Listed below are the Cummins service manual instructions and tooling part numbers for the correct installation procedure.. This tool is also required for the rear seal installation in a wet fly wheel housing application.

Use service tool, Part Number 3824078, to install the crankshaft seal/wear sleeve assembly, Install two (2) threaded studs into the crankshaft capscrew holes.

Apply a small amount of clean 15W-40 engine oil to the crankshaft, threaded studs, and the inside of the crankshaft rear seal/wear sleeve installation tool.

| Reference Number | Part Number | Description |
|------------------|-------------|-------------|
| 1 | 3163734 | Plate |
| 2 | 3163628 | Stud |
| 3 | 3163741 | Hex Nut |

Position the chamfered end of the wear sleeve (A) onto the end of the crankshaft (B).

Position the counterbore end of installation tool (C) over threaded studs and align with the wear sleeve, perpendicular to the end of the crankshaft.

Install the washers (D) and nuts (E) onto the threaded studs.

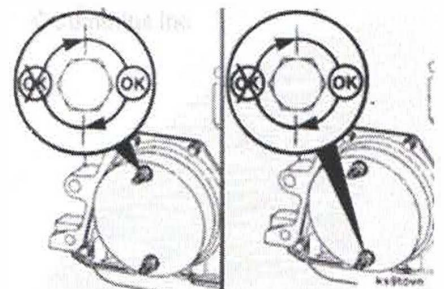
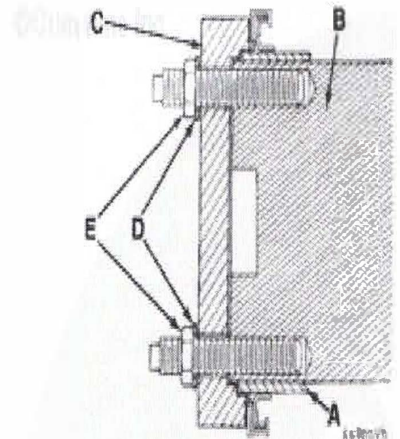
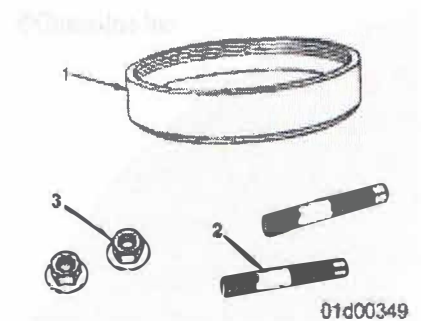
NOTE: The illustration shows a front gear train application with a rear crankshaft seal carrier. For rear gear train engines, the procedure for installing the crankshaft wear sleeve/seal into the flywheel housing bore is the same.

Alternately tighten the nuts $\frac{1}{2}$ of a turn until the installation tool contacts the end of the crankshaft.

Do **not** exceed $\frac{1}{2}$ of a turn of each nut to prevent wear sleeve binding and irregular stretch.

Torque Value: 20 n.m [177 ft-lb]

Remove the installation tool and the threaded studs.



TECHNICAL SERVICE BULLETIN

**BLACKWATER
E N G I N E S**

| | | | |
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