



STOP

REQUIRED INSTALLATION PROCEDURES

Please read BEFORE installation

Failure to complete will void warranty

BREAK-IN OIL CHANGE IS REQUIRED BEFORE 1 MONTH OR 1,000 KILOMETERS ON NEW ENGINE

Regular oil changes must occur every 5,000 kilometers Or 125 hours of idle.

Prior to the installation and operation of this remanufactured product it is necessary to perform several inspections, change over accessories and routine maintenance to insure uninterrupted service.

Overlooked maintenance items to consider

Original engine

Why did the original engine fail? There is usually an external item or issue that caused the engine to fail. This is important to know so it can be resolved before installing the new engine.

Lubrication

Ensuring quality oil with an additive are used. 5W30 min is required

Making sure there is proper oil level. Low oil will damage engine.

Parts that are re-used MUST be properly cleaned or replaced so as there is no chance of oil contamination. (Valve covers, Oil pan, ext.)

Refer to all OEM torque specs.

Replacing the oil cooler and lines are required.

Crankshaft bolt holes that are drilled straight through must have sealant applied to avoid leaks.

Cooling

It is strongly recommend that a new radiator cap and radiator are installed.

Ensure the cooling system can pressurize and maintains pressure.

(Pressure Tester)

Making sure hoses are acceptable.

Determine you have proper coolant levels.

Emission

Spark plugs MUST be replaced.

Air filters MUST be replaced.

Oxygen sensors MUST be replaced.

PCV valves MUST be replaced and ensure engine runs with negative pressure

Make sure all sensors and catalytic converters are in good working condition. (Scan vehicle)

Proper Air/Fuel trims must be maintained

Contamination

Making sure there is no contamination within the intake, air system.

Replace air filter.

GG150287

**WINNIPEG ENGINE AND TRANSMISSION**

545 Ferry Road
Winnipeg, Manitoba R3H 0T5
GST Number: R101397693
Phone: (204) 783-4878
Fax: (204) 774-4732
Email: info@winnipegengine.com

INVOICE

#:

SALES ORDER #:

SOLD TO:

SHIPPED TO:

| INVOICE DATE | | YOUR ORDER # | PAYMENT TERMS | ENTERED BY | ORDER SOURCE | | SHIPPED VIA | |
|--------------|----------|--------------|--|---------------|--------------|------|-------------|-------------|
| 5/3/2023 | | | Due on receipt | Jae Auger NEW | | | | |
| Qty Ord | Qty Ship | Item # | Description | Tax | Retail | Disc | Net | Ext. Amount |
| 1.00 | 1.00 | 300-164-02 | 6.4 LT CHRYSLER HEMI ENGINE - REMANUFACTURED | ✓ | \$8,500.00 | | \$8,500.000 | \$8,500.00 |
| 1.00 | 1.00 | CORE | CORE VALUE SUBJECT TO QUALIFICATION | ✓ | \$3,000.00 | | \$3,000.000 | \$3,000.00 |
| 1.00 | 1.00 | WAR | WARRANTY CARD MUST BE RETURNED WITHIN 15 DAYS. FAILURE TO RETURN WILL VOID WARRANTY - STRICTLY ENFORCED. No. W0002498 | ✓ | \$0.00 | | \$0.000 | \$0.00 |
| 1.00 | 1.00 | OIL | 5W40 NON SYNTHETIC OIL FOR THE 1ST 6000KMS. 1ST CHANGE AT 1000KMS OR 10 HRS. 2ND AT 6000KMS OR 80 HOURS. FOR PROPER BREAK IN. PREMATURE DARKING OF OIL COULD INDICATE IMPROPER RUNNING CONDITION. | ✓ | \$0.00 | | \$0.000 | \$0.00 |
| 1.00 | 1.00 | O2 | FRONT O2 SENSORS MUST BE REPLACED! FAILURE TO DO SO WILL VOID WARRANTY | ✓ | \$0.00 | | \$0.000 | \$0.00 |
| 1.00 | 1.00 | INTAKE | IN THE CASE OF CATASTROPHIC FAILURE AND CONTAMINATION OF PREVIOUS ENGINE DEBRIS, PLEASE REPLACE ENGINE OIL COOLERS AND INSPECT INTAKE FOR DEBRIS. https://www.youtube.com/watch?v=VZnEeOei8Zk (USUALLY ASSOCIATED WITH A DROPPED VALVE SEAT) | ✓ | \$0.00 | | \$0.000 | \$0.00 |
| 1.00 | 1.00 | COOL | ENGINES HAVE TENDENCIES TO OVERHEAT, PLEASE PRESSURE TEST COOLING SYSTEM, ENSURE PROPER COOLANT LEVELS AND INSPECT RADIATOR, | ✓ | \$0.00 | | \$0.000 | \$0.00 |

COMMENTS: 2015 RAM 2500

| | |
|--------------|--------------------|
| SUBTOTAL: | \$11,600.00 |
| FREIGHT: | \$0.00 |
| 5.00% TAX: | \$580.00 |
| 7.00% TAX: | \$812.00 |
| OTHER: | \$0.00 |
| TOTAL | \$12,992.00 |

VISIT directauto.ca or winnipegengine.com for warranty information ALL RETURNS MUST BE RECEIVED WITHIN 30 DAYS *ALL ACCTS SUBJECT TO A 2% CREDIT CARD PROCESS FEE NO CHARGE FOR E-TRANSFERS OR COMPANY CHEQUES

PAYMENTS:

PAID

AMOUNT DUE \$0.00

| HOW PAID | DATE PAID | CHECK/CARD NUM | EXP DATE | AMT PAID | AMT RECVD | AUTHORIZATION |
|----------|-----------|----------------|----------|-------------|-------------|---------------|
| Visa | 5/3/2023 | | | \$12,992.00 | \$12,992.00 | |
| Total: | | | | \$12,992.00 | Discount: | \$0.00 |



WINNIPEG ENGINE AND TRANSMISSION

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| INVOICE DATE | YOUR ORDER # | PAYMENT TERMS | ENTERED BY | ORDER SOURCE | SHIPPED VIA |
|--|-------------------|-------------------|---------------|--------------|--------------------|
| 5/3/2023 | | Due on receipt | Jae Auger NEW | | |
| HOSES, REPLACE THERMOSTAT, RAD CAP, AND WATER PUMP | | | | | |
| 1.00 | 1.00 ENGINE CRATE | RETURN FOR REFUND | ✓ | \$100.00 | \$100.000 \$100.00 |

COMMENTS: 2015 RAM 2500

| | |
|------------|-------------|
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| Total: | | | | \$12,992.00 | Discount: | \$0.00 |



Warranty Number
W0002498

*** IMPORTANT ***

Warranty Information & Warranty Card

This is a limited warranty covering defective materials or workmanship on only those items originally supplied by Winnipeg Engine & Transmission for a period of 1 year or 20,000 kilometers, or 500 hours, whichever occurs first. This warranty is not an unconditional guarantee against all hazards, failures, damage or improper installation procedures. If after installation any Winnipeg Engine & Transmission remanufactured engine or transmission that is deemed defective* (see Limitations, Defects and Service Restrictions) then an allowance* (see Installation Allowance) covering a portion of the cost of installation (when installed by a professional certified repair facility) is provided.

Basic Limited Warranty

The Basic Limited Warranty covers Passenger Cars, Light Duty Trucks, Commercial, Industrial, Marine, Fleet and Recreational Vehicles for a period of 1 Year or 20,000 Kilometers or 500 hours (whichever occurs first).

Installation Allowance

In the event a Winnipeg Engine & Transmission remanufactured engine or transmission is deemed defective* (see Limitations, Defects and Service Restrictions), after installation, then an Installation Allowance, for passenger cars and non-commercial light duty trucks, covering the original installers shop rate up to a maximum hourly rate of \$55.00 CDN multiplied by 80% of the retail time listed in the current release of the Mitchell Time Guide will be provided under this warranty. For commercial, marine, industrial, fleet and recreational vehicles (under 11,000 GVW) the Installation Allowance will be the same as above except \$650.00 CDN labour cap will be applied.

Limitations, Defects and Service Restrictions

If our product requires any service other than regularly scheduled maintenance within the warranty period you must notify Winnipeg Engine & Transmission of the intended service prior to the start of any work. Failure to provide prior notification could result in warranty being voided. Any parts suspected of being defective by the approved repair facility must then be returned to Winnipeg Engine for inspection. The inspection must be performed by Winnipeg Engine & Transmission, and must determine conclusively that the failure was due to defective materials or workmanship. If the repair requires replacement parts covered by this warranty, Winnipeg Engine & Transmission will supply the parts to the approved repair facility at jobber cost. Water pumps, timing belts, and any other routine maintenance items supplied with the engine are covered under the basic warranty.

This warranty does not cover failures caused by improper installation or installation of defective parts not originally supplied with the engine. This warranty does not cover engines that have been abused, neglected, overheated or operated under harsh or severe conditions that typically cause failure. Under no circumstances will Winnipeg Engine be liable for oil, oil filter, antifreeze, towing, car rental, or any other incidentals. Replacement or repairs to the original product do not extend this warranty.

Warranty Is Void If

The attached warranty card is not submitted to Winnipeg Engine & Transmission with the specified time or does not contain all of the requested information. If the new engine cooler and oil cooler lines are not installed at the time of engine installation. The re-installation of parts for the original engine or transmission which may have been damaged or contain debris as a result of the original failure such as; valve covers, oil pans, timing covers, intakes, fuel delivery systems, air delivery systems, etc. or have insufficient cooling systems, and or ignition systems which are not properly cleaned and or inspected prior to re-installation onto any of our products.

Winnipeg Engine & Transmission • 545 Ferry Road • Winnipeg • Manitoba • R3H 0T5

Phone: (204) 783-4878 • Toll Free: (888) 407-5349 • Fax: (204) 774-4732 • Email: info@winnipegengine.com • Website: www.winnipegengine.com

Retain the above portion for your records; you may be required to provide the warranty number located at the top of this form.

This portion must be filled in completely and returned to
Winnipeg Engine & Transmission • 545 Ferry Road • Winnipeg • Manitoba • R3H 0T5

15 DAYS FROM THE ORIGINAL INVOICE DATE

Customer Name: _____

Phone: _____

Installation Co: _____

Phone: _____

Vehicle Year: 2016 Make: Dodge Ram Model: 3500

Engine Size: 6.4 L

Date of Installation: _____ Vehicle Mileage: _____

Vehicle Hours: _____

Installed Item Number: _____

Invoice Number: _____

Warranty Number
W0002498

5/3/23, 10:57 AM

Receipt

WINNIPEG ENGINE AND TRANSMISSION
545 FERRY ROAD
WINNIPEG, MB R3H 0T5
204-786-2000

WINNIPEG ENGINE AND TRANSMISSI

Date: 05/03/2023 10:58:04 AM

CREDIT CARD SALE

VISA

CARD NUMBER: *****3759 K

TOTAL AMOUNT: \$12,992.00

APPROVAL CD:

RECORD #:

CLERK ID:

INVOICE #:

Customer Copy

Engine Simulation Results



Winnipeg Engine & Transmission

545 Ferry Road

Winnipeg, Manitoba R3H 0T5

Phone: 204-783-4878

Email: info@winnipegengine.com

| Year | 2016 * | Make | RAM | Model | 2500 |
|------|--------|------|-----|-------|------|
|------|--------|------|-----|-------|------|

| | | | | |
|--------|-----|-----------|----------|---|
| Engine | 6.4 | Vin (8th) | Cylinder | 8 |
|--------|-----|-----------|----------|---|

Part Number 300-264-02 Invoice

Customer Name [REDACTED] Warranty [REDACTED]

Oil Pressure 30 At 300 RPM

Compression

Compression

225/175 VVT

225/175

225/175

225/175

225/175

225/175

225/175

225/175

Cylinder De