

DC 1396

CUSTOMER #:

CITY OF HUTCHINSON KANSAS

\*INVOICE\*

PAGE 1

BUS:		CELL:		SERVICE ADVIS			
COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
BLACK	16	CHEVROLET TAHOE	1GNLCDECXGR274348		45,950 45,850 43888/43888	T348	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
18FEB16 IS			17:30 09NOV17		0.00	CASH	27NOV17
18FEB16 DI							
R.O. OPENED		READY		OPTIONS: SOLD-STK:6N085 ENG:5.3_Liter_SIDI			
11:59 09NOV17		14:52 27NOV17					

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
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A CHECK FOR CLICKING NOISE FROM ENGINE AREA WHEN RUNNING  
CAUSE: F

4064690 CAMSHAFT REPLACEMENT  
331 WGM

- 1 12619823 (S) CAMSHAFT
- 8 12648846 (S) LIFTER
- 8 12645725 (S) LIFTER
- 2 12669185 (S) GUIDE
- 2 12669184 (S) GUIDE
- 2 12346290 COOLANT
- 9 19259487 OIL
- 1 19330000 (S) FILTER
- 19 11546959 (S) BOLT
- 1 11611976 (S) BOLT
- 8 11546600 BOLT
- 2 12619787 (S) GASKET
- 1 12622325 (S) GASKET
- 1 12634614 (S) SEAL
- 1 88864346 SEALANT
- 2 12657430 (S) GASKET
- 2 12657093 (S) GASKET
- 1 12676947 (S) MANIFOLD
- 1 12680255 W- (S) PUMP
- 1 12622325 (S) GASKET
- 8 12622441 (S) SPARK PLUG
- 1 12665356 (S) PUMP
- 1 12633123 F- (S) VALVE
- 2 12621086 (S) SEAL
- 1 12666993 (S) SEAL
- 1 12658179 (S) BELT

PARTS: 0.00 LABOR: 0.00 OTHER: 0.00 TOTAL LINE A:  
FOUND CYLINDER #2 INTAKE LIFTER ROLLER BEARING HAD LARGE AMOUNT OF  
FREE PLAY IN IT. SOME OF THE OTHER LIFTERS ALSO HAD PLAY BUT NOT AS  
MUCH AS #2. THEN MULTIPLE LIFTERS HAD ROLLER SURFACE DAMAGE (PITTING AND

We Gladly  
Accept:



**DISCLAIMER OF WARRANTIES**  
"All expressed warranties by a manufacturer or supplier other than the dealers are theirs, not dealers, unless otherwise provided in writing and furnished to buyer by dealer."

**TERMS: STRICTLY CASH UNLESS PRIOR ARRANGEMENTS MADE**  
I hereby authorize the repair work hereinafter set forth to be done along with the necessary material and agree that you are not responsible for loss or damage to vehicle or articles left in vehicle in case of fire, theft or any other cause beyond your control or for any delays caused by unavailability of parts or delays in parts shipments by the supplier or transporter. I hereby grant you and/or your employees permission to operate the vehicle herein described on streets, highways or elsewhere for the purpose of testing and/or inspection. An express mechanic's lien is hereby acknowledged on above vehicle to secure the amount of repairs thereto.  
Accounts due and payable the 10th of the month following statement.

X \_\_\_\_\_  
CUSTOMER'S SIGNATURE

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
GAS, OIL, LUBE	
SUBLET AMOUNT	
MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY THIS AMOUNT	

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FLAKING OFF). CAMSHAFT ALSO HAD FLAKING COMMING OF MULTIPLE LOBES. HAD ISSUES TRYING TO DECIDE WHERE THE NOISE WAS COMMING FROM. CALLED GM TECHNICAL ASSISTANCE TO SEE IF THEY COULD HELP PINPOINT OR HAVE A "LIKE " CASE. THEY INSTRUCTED ME TO CHECK THE FLYWHEEL FOR A CRACK. I REMOVED BOLTS FROM FLYWHEEL AND NOISE WAS STILL PRESENT. REMOVED ALL THE BELTS, NOISE STILL THERE, VERY SLIGHT INCONSISTANT TAPPING NOISE. REMOVED VALVE COVER OF RIGHT HAND SIDE, ALL LOOKED OK. NOISE WAS MOST APARENT ON HEATER CORE OUTLETS ON WATER PUMP HOUSING. I DECIDED TO TEAR ENGINE DOWN. FOUND #2 LIFTER THE WORST OUT OF ALL OF THEM, ROLLER SLOP. REPLACED THE CAMSHAFT, LIFTERS, LIFTER GUIDES, AND ALL GASKETS. ALSO REPLACED OIL PUMP, SI ADVISED TO REPLACE IT IF REMOVED. TACH ALSO SAID TO COMMAND THE HIGH PRESSURE FUEL PUMP TO HIGH AND SEE IF NOISE WAS WORSE, THE PUMP MADE VERY BAD NOISE WHEN COMMANDED HIGH, SO REPLACED IT.

TECH CASE # 8-3551819791

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CHEVROLET

Thank You!

We Appreciate Your Business!

We Gladly  
Accept:

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