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## Invoice

E-mail

Invoice # 31919  
Work Order # 43425  
Service Advisor Larry W  
Technician 002MB

Plate SK 821DWD  
Description White 2005 Ford F-350 Super Duty XLT V8 6.0L  
363CID VIN P  
VIN 1FTWX31P35EC04417  
Odometer 335,367 In / 335,655 Out

Invoice Date 3/2/2023 1:56 PM  
Appointment 7/27/2022 8:08 AM  
Promised 7/27/2022 5:00 PM

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## Concern

1. Customer Concern  
1) HAS BEEN PARKED FOR 6 MONTHS CUSTOMER BROUGHT UNIT BACK INTO SERVICE ENGINE HAD BEEN RUNNING GOOD BUT IN THE LAST FEW DAYS EXTENDED CRANK CONCERN ALL TIMES ALL TEMPS ONCE ENGINE GETS RUNNING RUNS GOOD

## Service

## Testing (6.0L Ford 2003-2007 )

STARTED TRUCK AND BROUGHT INTO SHOP, WHILE HOT ENGINE HAD EXTENDED CRANK WITH NO START HOT AND IPR VALVE OPENING TO 85% WHICH INDICATES WIDE OPEN OIL (INTERNAL OIL LEAK ) AIR TESTED SYSTEM AND INTERNAL OIL LEAK VERIFIED BUT CANNOT PINPOINT AREA LEAKING EVEN WITH COVERS OFF, REPLACED OIL RAIL AND STAND PIPES AND NEW FUEL INJECTORS, NEW HIGH PRESSURE OIL PUMP AND OIL COOLER, ALSO CLEANED OUT LOWER AREA WHERE OIL COOLER IS AS IT WAS CONTAMINATED WITH DEBRIS. AFTER THESE REPAIRS ENGINE STILL HAD A HARD START NO START HOT ISSUE AND WOULD ONLY BUILD 360 PSI OF OIL PRESSURE HOT REQUIRES 500 PSI MIN TO START, ONLY PART LEFT IN ENGINE THAT IS UNABLE TO BE CHECKED IS HIGH PRESSURE OIL BRANCH TUBE, REMOVED CYLINDER HEADS TO REPLACE BRANCH TUBE ALSO FOUND WHY CYLINDER 8 HAS LOW COMPRESSION AS THE PISTON CAN MOVE AROUND IN CYLINDER BORE (BROKEN PISTON RINGS OR WORN CYLINDER ), THAT WILL BE THE EXPLANATION OF THE BLOW BY IN THE ENGINE AND OIL IN TAILPIPE, PREVIOUS CYLINDER HEAD REPAIR HAS BEEN DONE AS THE BLOCK AND CYLINDER HEADS HAVE ROLOC DISC MARKS AND UNEVEN SURFACE,(CUSTOMER ADVISED AND WE WERE INSTRUCTED TO REASSEMBLE AS IS ) REPLACED BRANCH TUBE AND PERFORMED ENGINE OIL CHANGE, TRUCK STARTS HOT AND COLD AND IPR VALVE NO LONGER GOES TO WIDE OPEN OIL REPAIR COMPLETE AS INSTRUCTED

\$441.00 \*E1GI2  
P

Sub          \$441.00

### Engine Oil Cooler- Remove & Replace

## Right Labor

\$1,321.32 \*E1GI2  
P

*'Experts in Everything Diesel'*  
GSET#P10568E181

OIL RAIL PLUG	2 Unit	\$90.10 GP
STANDPIPE	2 Unit	\$317.84 GP
STANDPIPE	1 Unit	\$0.00 GP
Covered under warranty		
HIGH PRESSURE OIL RAIL SEAL KIT	1 Unit	\$47.58 GP
HIGH PRESSURE OIL RAIL SEAL KIT	5 Unit	\$0.00 GP
Covered under warranty		
HIGH PRESSURE OIL PUMP	1 Unit	\$0.00 GP
* Core returned.		
Covered under warranty		
HIGH PRESSURE OIL PUMP	1 Unit	\$1,577.70 GP
* Core returned.		
FREIGHT	1 Unit	\$46.31 GP
ENGINE OIL COOLER KIT W/ COOLER	1 Unit	\$412.55 GP
ENGINE OIL COOLER KIT W/ COOLER	1 Unit	\$0.00 GP
Covered under warranty		
HIGH PRESSURE OIL PUMP GASKET KIT W/O STC	1 Unit	\$0.00 GP
FITTING		
Covered under warranty		
USE OIL COOLER COVER	1 Unit	\$125.00 GP
GASKET KIT	1 Unit	\$130.69 GP
TURBO DRAIN TUBE O-RING	2 Unit	\$30.78 GP
Fuel Filter Kit (6.0L Ford)	1 Unit	\$60.32 GP
AIR FILTER	1 Unit	\$93.43 GP
XLC 50/50 ANTI-FREEZE	18 Litre	\$106.92 GP
AIR CHARGE HOSE	1 Unit	\$271.43 GP
ICP/EBP CONN. PIGTAIL	1 Unit	\$67.20 GP
STANDPIPE SEAL KIT	1 Unit	\$0.00 GP
Covered under warranty		
HELI-COIL INSERTS	2 Unit	\$3.10 GP
IPR VALVE	1 Unit	\$448.87 GP
IPR VALVE	1 Unit	\$0.00 GP
Covered under warranty		
FREIGHT	1 Unit	\$26.67 GP
ICP SENSOR	1 Unit	\$230.67 GP
COOLANT TEMPERATURE SWITCH	1 Unit	\$41.40 GP
2 WIRE PIGTAIL (TURBO SPEED SENSOR)	2 Unit	\$135.32 GP
Description	1 Unit	\$26.67 GP
TURBO INSTALL KIT	1 Unit	\$25.08 GP
INJECTOR SEAL KIT	7 Unit	\$0.00 GP
Covered under warranty		
VALVE COVER GASKET SET	1 Unit	\$55.44 GP
PLASTIC ROCKER CLIP	4 Unit	\$23.44 GP
INJECTOR CLIP	1 Unit	\$10.11 GP
THERMOSTAT O-RING	1 Unit	\$12.13 GP
EXHAUST MANIFOLD GASKET	2 Unit	\$54.92 GP
TRANSMISSION HARNESS/CONNECTOR BOLT	1 Unit	\$84.96 GP
HOSE CLAMP	1 Unit	\$3.15 GP
	Discount	(\$283.71)
	Sub	\$5,597.39

REPLACE ENGINE OIL PUMP AND REPLACE OIL STAND PIPES AND PLUGS WITH UPDATED PARTS, RESEAL IPR VALVE, REPLACE ALL 8 INJECTORS AND RESEAL OIL SUPPLY LINES. WITH OIL COOLER REPLACEMENT FOUND CRACK IN ORIGINAL COVER, WILKINSON SHOP TEST PART CLEANED AND USED ON ENGINE. TAP AND HELI COIL VALVE COVER BOLTS DUE TO TORQUE SPUNN RETAINING BOLTS,

#### Engine Oil & Filter Change (2003-2007 Ford 6.0L) 15w40 Regular

Labor	\$57.20 *E1GI2 P
10W30 OIL	14.5 Unit \$111.94 GP

10W30 OIL	14.5 Unit	\$111.94 GP
OIL FILTER CAP	1 Unit	\$46.51 GP
OIL FILTER	1 Unit	\$47.27 GP
Oil Filter	1 Unit	\$30.40 GP
OIL FILTER	2 Unit	\$0.00 GP
Covered under warranty		
Premium Plus 7000 Oil	14.5 Unit	\$0.00 GP
Covered under warranty		

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Sub **\$405.26**

**Fuel Injector- Remove & Replace**

S/N 19721212/19715003/19721223/19721352/19721224/19721247/19720832/19721214		
INJECTOR WIRING HARNESS CONNECTOR	2 Unit	\$66.26 GP
FUEL INJECTOR	8 Unit	\$3,402.96 GP

Discount **(\$6.63)**  
Sub **\$3,462.59**

CYLINDER 8 MISSFIRE, INJECTOR WARENTY

**Battery- Remove & Replace**

Labor		\$125.84 *E1GI2 P
BATTERY	2 Unit	\$238.68 GP
		Discount <b>(\$125.84)</b> Sub <b>\$238.68</b>

REPLACED BOTH BATTERY'S

**Starter Motor - Replace**

Labour		\$125.84 *E1GI2 P
STARTER	1 Unit	\$349.72 GP
* Core returned.		Discount <b>(\$160.81)</b> Sub <b>\$314.75</b>

REMOVE AND REPLACE STARTER

**FICM Harness Connectors- Remove & Replace**

Labor		\$128.70 *E1GI2 P
FICM CONNECTOR W/ PIGTAIL	1 Unit	\$153.78 GP
FICM CONNECTOR W/ PIGTAIL	1 Unit	\$157.98 GP
FICM CONNECTOR W/ PIGTAIL	1 Unit	\$161.48 GP
		Discount <b>(\$70.99)</b> Sub <b>\$530.95</b>

REPLACED ALL FICM ELECTRICAL PIGTAIL CONNECTORS TO INSURE PROPER ELECTRICAL CONTACTS

GLOW PLUG REPLACEMENT, 6.0L (ALL) but number #8 was ok

Labor		\$257.40 *E1GI2 P
Glow Plug	8 Unit	\$226.16 GP
		Discount <b>(\$291.32)</b> Sub <b>\$192.24</b>

CHECK ENGINE LIGHT ON AND GLOW PLUGS 1 2 4 AND 6 SHORTED, TESTED VIA RESTISTANCE.

**Compression / Cylinder Balance / Cylinder Leak Test**

ALL EIGHT CYLINDERS

Labor		\$588.00 *E1GI2 P
		Discount <b>(\$588.00)</b> Sub <b>\$0.00</b>

REPLACE Y BRIDGE (OIL FEED LINE )

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Labor		\$4,410.00	*E1GI2
P			
STANDPIPE/RAIL PLUG SEAL KIT	2 Unit	\$187.16	GP
BRANCH TUBE	1 Unit	\$346.76	GP
REAR ENGINE COVER GASKET	1 Unit	\$33.03	GP
INTAKE GASKET	2 Unit	\$53.40	GP
REAR MAIN OIL SEAL	1 Unit	\$112.80	GP
OIL PUMP GSKT SET	1 Unit	\$57.83	GP
HEAD GASKETS (18MM DOWEL)	2 Unit	\$451.20	GP
ULS DIESEL FUEL	40 Unit	\$83.60	GP
	Discount	(\$2,332.67)	
	Sub	\$3,403.11	

Total Parts		\$10,432.75
Total Labor		\$4,153.22
Total Before Taxes & Miscellaneous Charges		\$14,585.97

(*) Shop Supplies		\$98.74	GP	
(E1) Environmental 1	\$3.00	Each	\$3.00	G
(I2) Information Access Fee	\$3.99	Each	\$3.99	G
(G) Canadian Goods and Services Tax (GST)	5 %		\$734.59	
(P) Saskatchewan Provincial Sales Tax (PST)	6 %		\$881.08	
<b>Grand Total</b>			<b>\$16,307.37</b>	

Total discounts applied is \$3,859.97

Watson, Travis paid \$16,307.37 by Check

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Thank you, we appreciate your business!

All goods sold by the seller are warranted to be free from defects in workmanship and material (within the standard warranty of the seller and manufacturer currently in effect) which warranty is in lieu of and excludes all other representations and conditions. Seller shall not be liable for loss, damage, or expense directly or indirectly arising from the sale, handling of goods or from any cause relating thereto. Seller's liability is hereunder being expressed as limited to repair or replacement of defective goods at seller's location. Warranty does not cover labour charges incurred to remove and/or replace faulty part(s). Warranty does not cover failures caused by the use of performance tuners, aftermarket performance parts, modifications or upgrades outside factory parameters and specifications. Parts returns are subject to a 15% restocking charge plus applicable freight if special order.

**Authorization(s)**

7/27/2022 8:29 AM	\$269.25	Phone - Cell - [REDACTED]
7/28/2022 4:50 PM	\$1,142.26	Authorized by [REDACTED]
8/11/2022 2:17 PM	\$4,943.64	Phone - Cell - [REDACTED]
8/16/2022 8:20 AM	\$8,055.14	Authorized by [REDACTED]
8/24/2022 1:06 PM	\$9,003.03	Phone - Cell - [REDACTED]
1/16/2023 4:40 PM	\$15,046.78	Authorized by [REDACTED]
2/27/2023 4:55 PM	\$16,307.37	Phone - Cell - [REDACTED]

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