

QTY.	MATERIAL	PRICE	AMOUNT
4	Turbo mounting studs	\$ 2.96	\$ 11.84
4	Self locking nuts	\$ 1.05	\$ 4.20
1	Rebuilt turbo		\$ 1,487.42
4	Nuts	\$ 14.80	\$ 59.20
1	Gasket		\$ 39.91
1	Gasket		\$ 3.06
1	Gasket		\$ 16.27
1	Gasket		\$ 3.43
2	Rings	\$ 3.24	\$ 6.48
12	Bolts	\$ 3.72	\$ 44.64
4	Studs	\$ 16.11	\$ 64.44
1	Gasket		\$ 75.24
1	Raediator repair		\$ 386.43
1	Primary air filter		\$ 72.69
1	Thermostat		\$ 85.47
1	Pump		\$ 269.98
1	Kit		\$ 66.11
1	Kit		\$ 337.30
12	seals	\$ 9.78	\$ 117.36
1	Engine overhaul kit		\$ 6,286.92
1	Core charge		\$ 472.50
1	Freight		\$ 39.00
1	Sub-let to Massey Automotive		\$ 514.80
6	Rebuilt injectors	\$ 236.48	\$ 1,418.88
1	Freight to & from My-Lex		\$ 63.44
6	Flex plate torque convertor bolts	\$ 5.82	\$ 34.92
1	Injector wiring harness all 6 injs to ECM		\$ 452.32
12	Sleeves	\$ 4.50	\$ 54.00
1	Allison dual trans filter kit		\$ 96.87
9	Gallons of transmission fluid	\$ 14.80	\$ 133.20
1	Micro v-belt		\$ 56.99
1	Micro v-belt		\$ 45.64
1	Front gasket set		\$ 386.91
1	Lower gasket set		\$ 286.47
			\$ -
			\$ -
			\$ -

INVOICE

14586

J.R. HUNT ENTERPRISES, INC.
145 Three Prong Rd
Brandon, MS 39047

DATE OF ORDER: 9/18/2013

JOB NAME Engine 3
Station 2

PHONE
ATTN

TO: South Madison Co. Fire Protection Dist.

P.O. Box 1069

Madison, Ms. 39130

PO:

DESCRIPTION OF WORK

9/18/13 = 2.5 Hrs.

Engine has very high crank case back pressue causing excessive blow by out crank case vent tube. Steam clean engine. I believe this to be due to defective piston & liner kit. How ever, it is possible for air compressor or turbo charger to cause this problem.

We've already replaced air compressor. For another reason, it did not help excessive crank case pressure problem. I'm removing entire exhaust manifold, turbo & all piping. I'll plug oil pressure feed line to turbo & run engine without turbo

9/19/13 = 4.5 Hrs.

I sent turbo to Percision Turbo to have Jessie Shedd take it apart & give me a report on condition of turbo. We had much trouble getting bolts out of cylinder head & turbo off manifold. Turbo had much ware on parts lube by engine oil.

9/23/13 = 3 Hrs.

Install turbo & manifold back onto truck. Truck still has excessive blow by. Rebuilt turbo helped some. Engine has blown another gasket. Talked to Chief Davis. Pull engine & remove cylinder head, oil pan & cylinder kits. Then we will discuss with Chief Davis about installing factory long block or rebuilding engine myself.

9/24/13 = 8 Hrs.

Start pulling engine out of fire truck.

9/25/13 = 8 Hrs.

Continue pulling engine out of truck.

9/26/13 = 10 Hrs.

Complete pulling engine from truck.

10/15/13 = 8 Hrs.

Pull engine down. Remove piston & determine why engine used so much oil. Rings worn out completely. Took hours & multiplied it out in road miles at 164000. Plus with oil being changed once a year. We believe too many miles between changes.

