

2010 JEEP WRANGLER SPORT 4WD

SPORT UTILITY 2-DR

Vin: 1J4AA2D17AL176344

Customer Concern:
CUSTOMER STATES
REPLACE MOTOR.



COMPLETED

Technician Notes: VERIFY CUSTOMERS CONCERN, THERE IS A KNOCKING NOISE COMING FROM THE ENGINE UPON START UP. INTERNAL ENGINE DAMAGE PRESENT. R+R THE ENGINE ASSEMBLY. TRANSFER OVER ALL APPLICABLE PARTS. INSTALL NEW INTAKE MANIFOLD ASSEMBLY. INSTALL ALL NEW GASKETS, RESEAL THE ENGINE, TRANSFER OVER EXHAUST MANIFOLD GASKETS. REPLACE THERMOSTAT AND UPPER AND LOWER HOSES.

THE ENGINE. TOP OFF ALL FLUIDS. ROAD TEST AND FOUND P0340 CODE COMING UP WHEN DRIVING, DIAGNOSE AND FOUND THE CAMSHAFT SENSOR IS FAULTY. INSTALL NEW CAMSHAFT SENSOR. PERFORM CAM CRANK RELEARN. CLEAR THE CODE, ROAD TEST AND VERIFY REPAIR ALL GOOD

Part: JASPER ENGINE	Quantity: 1 \$4,245.00
Part: INSTALL KIT	Quantity: 1 \$437.00

Labor: R+R THE ENGINE, SWAP
OVER PARTS TO THE NEW LONG
BLOCK ASSEMBLY

\$2,300.00

Total for this concern: **\$7,645.27**

**Customer Concern:
UPON INSPECTION
RECOMMEND
REPLACING OXYGEN
SENSORS.**

 **COMPLETED**

Technician Notes: CODES
STORED IN THE SYSTEM FOR
BOTH PRIMARY O2 SENSORS.
DIAGNOSE AND FOUND THE O2
SENSORS ARE FAULTY. REPLACE
BOTH SENSORS, CLEAR THE
CODES. ROAD TEST ALL GOOD

Part: OXYGEN SENSORS

Quantity: 2

\$123.86

Part: CRANKSHAFT SENSOR

Quantity: 1

\$70.78

Part: FRONT BRAKE PADS

Quantity: 1

\$75.98

Total for this concern: **\$555.32**

Fees	\$200.00
Subtotal	\$8933.51
Tax	\$709.60
Total	\$9643.11
Payments Received	\$9643.11

Part: SPARK PLUGS

Quantity: 6

\$65.46

Part: WIRESET

Quantity: 1

\$59.45

Part: OIL FILTER

Quantity: 1

\$12.09

Part: FLUIDS

Quantity: 1

\$175.00

Part: INTAKE MANIFOLD

Quantity: 1

\$295.25

Part: DIPSTICK TUBE

Quantity: 1

\$56.02

Customer Concern:
ADDITIONAL PARTS
NEEDED.

 **COMPLETED**

Part: THERMOSTAT	Quantity: 1
	\$39.98

Part: BATTERY	Quantity: 1
	\$233.26

Part: FENDER CLIP	Quantity: 6
	\$47.10

Part: FRONT CALIPER	Quantity: 1
	\$88.22

**Customer Concern:
UPON INSPECTION
NOTICED FRONT
LEFT WHEEL
BEARING NEEDS TO
BE REPLACED.**

 **COMPLETED**

Technician Notes: REPLACE THE
LEFT FRONT WHEEL BEARING
ASSEMBLY, INSTALL NEW
CALIPER AND SET OF PADS ON
THE ONE SIDE. OTHER SIDE IS IN
BOX ON PASSENGER FLOOR