

Service Invoice

Invoice Date

12/6/2018

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Account Number		Invoice Number		Customer PO		Division	
						CM	
Document Number		Payment Terms		Service Call Date		Service Writer	
		CHARGE- 15th Day of Following Month		11/15/2018			
Make	Model	Serial Number		Customer Equipment Number	Equipment Number		Last Meter
AA	12H	AMZ00520		1	N03_263		15064

Workscope	Extended Price
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Repair - Fuel System

Customer complaint:

fuel in oil

Resultant damage:

none

Cause of failure:

terminal twisted off magnetic switch, pressure switch damaged when air cleaned fell on it during its removal.

Repair process comments:

moved machine inside. drained coolant, and evacuated AC. Remove hood, air cleaner assemble, muffler, valve cover, rocker arm shaft, valve cover spacer box, injectors and injector cups. cleaned injector, and cup bores. installed new cups and OR injectors with new hold down bolts. reinstalled rocker arms, adjusted valves, cleaned head, spacer box, valve cover installed new seals. installed new injector wiring harness. reinstalled spacer and valve cover. installed injector codes into ECM. Disassembled engine enough to remove and replace high pressure oil pump with CAT OR., ordered seal to replace pump. replaced pressure switch in AC compressor, and magnetic switch for intake air heater. refilled coolant and recharged AC. changed engine oil, filter and fuel filters. start and ran to check for leaks. reinstalled muffler, and air filter assemble. moved machine outside and ran transmission clutch fill test to allow engine, and transmission to warm up, and recheck for leaks. tighten transmission oil pump suction hose clamps. returned injectors and pump for core. replaced missing muffler mount bolts, and other missing bolts.

Parts

3	10R7224	INJ GP FUEL
6	2291490	SLEEVE-INJ
6	3107255	SEAL-O-RING
6	3107257	SEAL-O-RING
3	10R7224CC	INJ GP FUEL-CoreChg
1	4190841	HARNESS AS
3	10R7224	INJ GP FUEL
1	10R8898	PUMP GP HYD
1	10R8898CC	PUMP GP HYD-CoreChg
3	10R7224CC	INJ GP FUEL-CoreChg
5	4394571	CLIP-LOOP
5	4400881	BOLT-HEX SKT
1	3980940	SWITCH AS-MA
1	5P5678	M SEAL STK
7	8T4121	WASHER
6	8T4195	BOLT
1	1367227	SEAL O-RING
1	1853241	SEAL
2	2147568	SEAL-O RING
2	2287089	SEAL-O-RING
1	6V5050	SEAL-O RING
1	9F4446	RING
23	2175701	DM BULK SEAL
3	5P5678	M SEAL STK
1	2094578	CLAMP-TBOLT

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5/11/2021

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Workscope

Extended Price

Total Segment Parts
Total Segment Labor
Total Segment Miscellaneous

Segment Total

Total Invoice Parts
Total Invoice Labor
Total Invoice Miscellaneous
Total Tax



Please detach and include this portion with your payment.

Account Number	Invoice Number	Invoice Date
		05/11/2021

Please Pay This Amount:

\$10,361.77

Workscope

Extended Price

Total Segment Parts
Total Segment Labor
Total Segment Miscellaneous

Segment Total

Repair - Fault Codes

Customer complaint:

Repair transmission fault code

Resultant damage:

Replaced sensors

Cause of failure:

shorted

Repair process comments:

Trouble shoot the wiring from the Transmission output speed sensor to the transmission ECM, tested the speed sensor #1 speed sensor was bad replaced both sensor and calibrated the transmission.

Parts

1 2905792 SENSOR GP
1 2905792 SENSOR GP

Labor

Total Labor

Total Segment Parts
Total Segment Labor
Total Segment Miscellaneous

Segment Total

Repair - Engine - Oil Leaks

Customer complaint:

Reseal riser base and valve cover

Resultant damage:

Resealed

Cause of failure:

leaks oil

Repair process comments:

Took off the hood , air filter housing, and muffler to gain access to the riser base , took it off cleaned and inspected it replaced the gaskets and assembled.

Parts

23 2175701 DM BULK SEAL
3 5P5678 M SEAL STK

Labor

Total Labor

Workscope

Extended Price

Total Segment Parts
Total Segment Labor
Total Segment Miscellaneous

Segment Total

Reseal - Transmission Oil Pump

Customer complaint:

Reseal transmission pump

Resultant damage:

Resealed pump

Cause of failure:

Leaks oil

Repair process comments:

Took pump off of transmission, disassembled, cleaned and inspected , replaced all seals and assembled onto machine, also replaced suction hose going to the differential.

Parts

2	4F7389	RING
1	4F7952	SEAL
1	7F8268	SEAL O RING
1	8X7317	HOSE
1	5P3863	SEAL O RING
3	2D8009	SEAL O RING

Labor

Total Labor

Total Segment Parts
Total Segment Labor
Total Segment Miscellaneous

Segment Total

Reseal - Trans Hydr Control Valve

Customer complaint:

Repair oil leak on transmission control valve

Resultant damage:

Repair leaks

Cause of failure:

Leaks oil

Repair process comments:

Took off cover found a plug on the bottom of valve was leaking, replaced seal on plug.

Parts

10	3J1907	SEAL
4	4D6695	SEAL O RING
1	6I9395	SCREEN
1	8F6230	SEAL
-1	6I9395	SCREEN
-4	4D6695	SEAL O RING

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AA	12H	AMZ00520		1			17758

Workscope	Extended Price
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Repair - Leak - Tandem Drive Oil

Customer complaint:

Repair oil leaks

Resultant damage:

Repair leaks

Cause of failure:

leaks oil

Repair process comments:

Jacked up the back of machine , removed tires, chains and tandem box's, took of drive sprockets, and replaced the final drive seal and the spindle seal and wear pads. Then assembled machine, and filled with oil.

Parts

2	3289669	WASHER-THRUS
1	3290411	SEAL-LIP TYP
2	4D6695	SEAL O RING
2	8D3902	SEAL
8	2B3147	GASKET
2	2G9791	GASKET
2	2M9780	SEAL O RING
4	3D2981	GASKET
2	3K0360	SEAL
4	2184406	RING - WEAR
1	3290411	SEAL-LIP TYP
2	5476515	Washer-Thrus
2	9S4190	PLUG
2	6G1631	LINK
1	6G1631	LINK
1	6G3212	SHIM PACK
1	6G3212	SHIM PACK
1	6G1631	LINK
1	5P3490	CONE BEARING
2	1D4599	CAP SCREW
153	CTO1556213	BULK 30W TDTO
29	CTO1556213	BULK 30W TDTO
13	CTO1556213	BULK 30W TDTO
-1	6G3212	SHIM PACK
-1	6G3212	SHIM PACK

Labor

Total Labor

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Workscope

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Total Segment Parts
Total Segment Labor
Total Segment Miscellaneous

Segment Total

Total Invoice Parts
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Total Invoice Miscellaneous
Total Tax



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Account Number	Invoice Number	Invoice Date
		12/06/2018

Please Pay This Amount:

\$7,565.90

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Workscope

Extended Price

6	2219803	STOPPER ST
-1	10R7224WC	INJ GP FUEL-CoreChg
-1	10R7224WC	INJ GP FUEL-CoreChg
-1	10R7224WC	INJ GP FUEL-CoreChg
-1	10R7224WC	INJ GP FUEL-CoreChg
-1	10R7224WC	INJ GP FUEL-CoreChg
-1	10R7224WC	INJ GP FUEL-CoreChg
-1	10R8898WC	PUMP GP HYD-CoreChg
1	1R0762	FILTER A-FUE
1	2208678	SEAL
1	3261644	FILTER AS
1	5F9144	SEAL
1	8F7219	SEAL
2	9X7385	SEAL
1	3435527	BOWL AS FUEL
1	1805462	SWITCH AS-PR
1	1R1808	FILTER AS-LU
12	2359651	BOLT-SOCKET
26	CTO5153960	CAT DEO-ULS 10W-30 CK4 Bulk
4	CTO5153960	CAT DEO-ULS 10W-30 CK4 Bulk
1	3497059	CAP AS-FUEL

Labor

Flat Rate Labor

Miscellaneous

1	FRT
1	FRT