KENWORTH
KENWORTH OF PENNSYLVANIA

MOTOR TRUCK
THERMO KING

805 Vogelsong Road
York, PA 17404
Phone: (717) 848-8797
Fax: (717) 848-2357

REMIT TO:
KENWORTH OF PENNSYLVANIA
4909 Louise Drive Suite 105
Mechanicsburg, PA 17055

Customer:
166960

Ship To:

REPRINT CUSTOMER INVOICE
Work Order
YS8007
Invoice Date: 10-14-22

Tax ID: Tax ID Date: 07-09-19

Year	Make / Model	VIN	License	Mileage	Unit / Stock	Authorization
2019	KENWORTH / T680	1XKYDP9X5KJ293802	AG59355 PA	542489	146379	

Open Date / Time	Delivery Date	Delivery Mileage	Engine Hours	Reefer Hours	Standby Hours	P.O. Number
09-09-22 / 08:58AM	12-07-18		13277.0			

Complete	Engine Model / Serial #	Transmission Model/Serial #	Key Tag	Service Writer
10-13-22	MX-13 / Y178291	FULLER RTLO18918B 18-SPEED SUPE / K1301950		JB*JB

Memo

1 PRESSURE IN COOLING SYSTEM - CUSTOMER STATES THE UNIT HAS PRESSURE BUILDING IN THE COOLING SYSTEM. CHECK AND ADVISE.
CAUSE:
FAILED HEAD GASKET ALLOWING PRESSURE TO BUILD IN THE COOLING SYSTEM.
CORRECTION:
WARMED ENGINE AND PERFORMED A COMBUSTION GAS TEST ON THE COOLING SYSTEM. UNIT TESTED POSITIVE FOR COMBUSTION GASSED IN THE COOLING SYSTEM.

TOTAL LABOR 510.00
TOTAL PARTS 16.71

Qty	Part Number	Description	List	Unit	Extended
1	PB16	BLASTER	12.25	6.81	6.81
2	4620PEN	CLEANER-N	6.19	4.95	9.90

2 IN FRAME OVERHAUL - PERFORM IN FRAME OVERHAUL DUE TO BROKEN HEAD BOLT AND FAILED HEAD GASKET.
CAUSE:
HEAD GASKET FAILED DUE TO BROKEN HEAD BOLT AND LINER FRETTING.
CORRECTION:
DRAIN ALL FLUIDS, REMOVE AIR CLEANER, CAC PIPES, UPPER RAD PIPE, FUEL LINES FROM BACK OF HEAD, VALVE COVER, VALVE TRAIN, INJECTORS (BAG AND LABEL FOR REUSE), EGR COOLER (TESTED ONCE REMOVED; OKAY FOR REUSE), TURBO. REMOVE CYLINDER HEAD, OIL PAN, FIXING FRAME, OIL PUMP AND PICKUP, RODS AND PISTONS, AND LINERS. WRAP ROD JOURNALS OF CRANKSHAFT. CLEAN BLOCK DECK WITH WET STONE. HEAD WILL NEED REPLACED DUE TO CRACKING IN BETWEEN VALVES. CUT COUNTERBORES TO ACHIEVE CORRECT LINER PROTRUSION. INSTALL NEW LINERS, REUSE RODS, INSTALL NEW PISTON SETS, ROD AND MAIN BEARINGS; TORQUE TO MX SPEC. INSTALL NEW OIL PUMP, FIXING FRAME, OIL PICKUP; TORQUE ALL TO MX SPEC. INSTALL NEW SERVICE HEAD GASKET, NEW HEAD; TORQUE TO MX SPEC AND SEQUENCE. RESEAL INJECTORS, INSTALL TO ORIGINAL LOCATIONS, NEW FUEL LINES TO INJECTORS, PUSH RODS, VALVE ROCKERS; TORQUE ALL TO MX SPEC AND SEQUENCE. SET OVERHEAD ADJUSTMENT. INSTALL NEW VALVE COVER SEALS. ATTACH ALL FUEL AND COOLANT

Terms: Net 10th E.O.M The dealer expressly disclaims all warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose, and neither assumes nor authorizes any person to assume for it any liability in connection with the sale of these parts and/or service. Damages – Buyer shall not be entitled to recover from dealer any consequential damages, damages to property, for loss of use, time, profits, or income, or any other incidental damages. Dealer not responsible for items left in vehicles.

RECEIVED BY: _____ DATE: _____

Work Order

Invoice Date: 10-14-22

YS8007

Year	Make / Model	VIN	License	Mileage	Unit / Stock	Authorization
2019	KENWORTH / T680	1XKYDP9X5KJ293802	AG59355 PA	542489	146379	

Open Date / Time	Delivery Date	Delivery Mileage	Engine Hours	Reefer Hours	Standby Hours	P.O. Number
09-09-22 / 08:58AM	12-07-18		13277.0			

Complete	Engine Model / Serial #	Transmission Model/Serial #	Key Tag	Service Writer
10-13-22	MX-13 / Y178291	FULLER RTLO18918B 18-SPEED SUPE / K1301950		JB*JB

Memo

HOSES, SECURE HARNESSES. SAND EXHAUST MANIFOLD AND REUSE WITH NEW GASKETS AND HARDWARE. ATTACH TURBO AND CAC PIPES. INSTALL EGR COOLER AND VALVE ASSEMBLY. VACUUM COOLING SYSTEM AND FILL WITH NEW COOLANT. NO LEAKS OBSERVED FROM EXTERIOR OR PAST LINERS. CLEAN OIL PAN, INSTALL NEW SEAL AND INSTALL. FILL WITH 48.6QTS PER RMI. INSTALL NEW FUEL FILTERS, FLUSH EUPs PER RMI, ATTACH NEW LINES FROM PUMPS TO RAIL, AND PRIME SYSTEM. CHARGE BATTERIES, CRANK ENGINE WITH INJECTOR HARNESS DISCONNECTED TO PRIME OIL SYSTEM. CONNECT INJECTOR HARNESS, CRANK ENGINE, FIRED SMOOTHLY, RUN AND SHUT OFF AFTER 3MINS OF LOW IDLE. AFTER 5MINS CHECK OIL LEVEL AND TOPPED COOLANT. START ENG. AND RUN AT 950RPM UNTIL T-STATS OPEN, BRING BACK TO LOW IDLE AND SHUT OFF. INSPECTED FOR LEAKS; NONE. CLEAR ALL FAULT CODES FROM ALL MODULES, PERFORM 30MIN ROAD TEST; RETURN AND FOUND NO OTHER ISSUES AT THIS TIME. ROAD TESTED. NO ISSUES.

TOTAL LABOR	10,268.00
TOTAL PARTS	18,765.91
TOTAL KW COUPON	-15.00

Qty	Part Number	Description	List	Unit	Extended
1	10028WAC	NUT .75-	2.89	2.23	2.23
8	4620PEN	CLEANER-N	6.19	4.95	39.60
30	CT04311	TIE-CABLE	0.16	0.12	3.60
30	CT05512	TIE-CABLE	0.42	0.31	9.30
13	D2113001	OIL-10W30	21.33	16.95	220.35
26	2161004PE	Bolt, Cyl	30.71	27.02	702.52
15	EC3501	COOLANT-T	14.95	9.13	136.95
1	2126981PE	SENSOR-TU	130.47	88.91	88.91
1	2111441PE	GASKET, O	213.96	145.82	145.82
1	1843659PE	PACCAR CO	66.95	50.51	50.51
1	2124041PE	COOLANT T	68.85	46.92	46.92
2	1661278PE	RING-SEAL	15.06	10.27	20.54
1	1718534PE	FILTER KI	184.51	139.21	139.21
2	1608393PE	RING-SEAL	11.14	7.59	15.18
6	1603977PE	O-RING, C	23.20	15.82	94.92
1	2312234PE	GASKET-CY	945.68	888.94	888.94
2	1608394PE	RING-SEAL	12.41	8.46	16.92
2	2047594PE	PIPE-FUEL	248.32	169.22	338.44
2	1863266PE	PLUG, W/	41.52	28.29	56.58
1	1979190PE	V-CLAMP,	57.27	39.03	39.03
1	1917870PE	GASKET,EX	13.42	9.14	9.14
18	2135209PE	FLANGE BO	3.35	2.95	53.10
1	1858037PE	RING-USIT	4.12	2.81	2.81
1	1893478PE	SENSOR-TE	197.57	134.64	134.64
6	1313120PE	BOLT-FLAN	1.64	1.44	8.64

Terms: Net 10th E.O.M The dealer expressly disclaims all warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose, and neither assumes nor authorizes any person to assume for it any liability in connection with the sale of these parts and/or service. Damages – Buyer shall not be entitled to recover from dealer any consequential damages, damages to property, for loss of use, time, profits, or income, or any other incidental damages. Dealer not responsible for items left in vehicles.

RECEIVED BY: _____ DATE: _____

Work Order

YS8007

Invoice Date: 10-14-22

Year	Make / Model	VIN	License	Mileage	Unit / Stock	Authorization
2019	KENWORTH / T680	1XKYDP9X5KJ293802	AG59355 PA	542489	146379	

Open Date / Time	Delivery Date	Delivery Mileage	Engine Hours	Reefer Hours	Standby Hours	P.O. Number
09-09-22 / 08:58AM	12-07-18		13277.0			

Complete	Engine Model / Serial #	Transmission Model/Serial #	Key Tag	Service Writer
10-13-22	MX-13 / Y178291	FULLER RTLO18918B 18-SPEED SUPE / K1301950		JB*JB

Memo

1	2106210PE	GASKET- T	25.18	17.17	17.17
4	1895972PE	BOLT-FLAN	19.71	17.34	69.36
2	1844625PE	RING-SEAL	1.50	1.02	2.04
4	2116602PE	O-RING, 7	5.56	3.78	15.12
1	1979191PE	V-CLAMP,	57.23	39.00	39.00
1	2035973PE	GASKET-EX	34.93	23.81	23.81
1	1923003PE	GASKET	14.44	9.83	9.83
2	1930520PE	PIPE-FUEL	238.39	162.46	324.92
1	P550851	FILTER-FU	40.52	27.55	27.55
1	2011888PE	SCREW CAP	199.55	135.99	135.99
7	1822941PE	BOLT-FLAN	5.15	4.53	31.71
1	2130588PE	O-RING, 1	7.58	5.16	5.16
1	2176771PE	GASKET SE	849.45	578.90	578.90
7	2239664PE	BEARING S	30.66	20.89	146.23
7	2239665PE	BEARING S	28.56	19.46	136.22
4	1736755PE	WASHER-TH	11.15	9.81	39.24
6	2132582PE	PISTON, W	874.03	595.65	3,573.90
6	1858819PE	BEARING S	49.93	34.03	204.18
6	1655712PE	BEARING S	49.93	34.03	204.18
1	2136411PE	O-RING	3.25	2.22	2.22
1	2267065PE	COOLANT P	1,231.76	839.44	839.44
1	2294074PE	OIL PUMP	921.66	628.11	628.11
1	2140216PE	AIR BREAT	63.56	43.32	43.32
12	1878508PE	BOLT-CONN	2.59	2.28	27.36
4	2047593PE	PIPE-FUEL	248.32	169.22	676.88
1	2013452PE	HOLDER-CO	100.21	68.29	68.29
6	1982746PE	CYLINDER	370.15	252.26	1,513.56
2	4620PEN	CLEANER-N	6.19	4.95	9.90
1	2188417PEX	CYLINDER	8,067.53	5,498.02	5,498.02
1	4620PEN	CLEANER-N	6.19	4.95	4.95
1	2180879PE	COOLANT T	72.29	46.92	46.92
2	DC4016023	GREASE-MO	65.06	48.80	97.60
12	1603978PE	O-RING, C	23.20	15.82	189.84
1	3163087	LUBRICANT	39.31	28.26	28.26
1	2106218PE	GASKET-CO	12.92	8.80	8.80
1	2007405PE	O-RING, 8	4.53	3.09	3.09
1	P621725	PACCAR AI	217.03	156.26	156.26
14	1822165PE	BOLT-COVE	5.99	5.27	73.78
-15	KW COUPON	Y223197	1.00	1.00	-15.00

3 COOLANT LINES - FOUND COOLANT LINES AT DAVCO FUEL FILTER ARE LEAKING AND NEED REPLACED.
CAUSE:
DAVCO FUEL FILTER COOLANT LINES LEAKING AFTER OVERHAUL.
CORRECTION:
DRAINED COOLANT AND REPLACED THE DAVCO FUEL FILTER COOLANT LINES.

Terms: Net 10th E.O.M The dealer expressly disclaims all warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose, and neither assumes nor authorizes any person to assume for it any liability in connection with the sale of these parts and/or service. Damages – Buyer shall not be entitled to recover from dealer any consequential damages, damages to property, for loss of use, time, profits, or income, or any other incidental damages. Dealer not responsible for items left in vehicles.

RECEIVED BY: _____ DATE: _____

Work Order

Invoice Date: 10-14-22

YS8007

Year	Make / Model	VIN	License	Mileage	Unit / Stock	Authorization
2019	KENWORTH / T680	1XKYDP9X5KJ293802	AG59355 PA	542489	146379	

Open Date / Time	Delivery Date	Delivery Mileage	Engine Hours	Reefer Hours	Standby Hours	P.O. Number
09-09-22 / 08:58AM	12-07-18		13277.0			

Complete	Engine Model / Serial #	Transmission Model/Serial #	Key Tag	Service Writer
10-13-22	MX-13 / Y178291	FULLER RTLO18918B 18-SPEED SUPE / K1301950		JB*JB

Memo

REFILLED COOLANT.

TOTAL LABOR	425.00
TOTAL PARTS	316.60

Qty	Part Number	Description	List	Unit	Extended
1	F50-2089	HOSE-ASSY	90.45	80.50	80.50
1	F50-2090	HOSE-ASSY	149.17	125.30	125.30
2	7006473500	FITTING	65.95	55.40	110.80
		SHOP SUPPLIES			500.00

	OTH SUPL RECOVERY-YK	0610821	500.00
	ACCTS REC-COUPONS-YK	2200800	-15.00
	RETAIL LBR TRK-YK	4610840	11,203.00
	P&A RETAIL RO'S-YK	4680800	19,099.22
166960	CHARGE	2200000	30,787.22

Terms: Net 10th E.O.M The dealer expressly disclaims all warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose, and neither assumes nor authorizes any person to assume for it any liability in connection with the sale of these parts and/or service. Damages – Buyer shall not be entitled to recover from dealer any consequential damages, damages to property, for loss of use, time, profits, or income, or any other incidental damages. Dealer not responsible for items left in vehicles.

RECEIVED BY: _____ DATE: _____