

Cust #	Year	Make	Model	Serial #
70539	2019	Kenworth	T880	1NKZL40X9KJ997255

RO Number	Status	Date	Mileage
75			
S192967	Closed	04-19-23	362876K

Hour Meters:	METER1		9334.0	METER2		0.0	METER3		0.0
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Condition 1: MVI EXPIRES AUGUST 2023

Comment 1:

Condition 2: OK TO FLASH ENGINE ECM SOFTWARE? (Y/N) __

Comment 2:

Condition 3: PARTS AND LABOUR NOT COVERED UNDER WARRANTY

Comment 3: PARTS AND LABOR NOT COVERED UNDER WARRANTY FOR COOLANT LOSS AND OIL LEAK REPAIR ON S192632

S192632 Closed 04-21-23 362876K

Hour Meters:	METER1		9334.0	METER2		0.0	METER3		0.0
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Condition 1: OPERATION MOVED TO REPAIR ORDER S192967.1

Remedy Codes - VOID

Comment 1:

Condition 2: OPERATION MOVED TO REPAIR ORDER S192967.2

Remedy Codes - VOID

Comment 2:

Condition 3: CUSTOMER CONCERN - COOLANT OUT OF OVERFLOW

Comment 3: OPENED EDS TO TROUBLESHOOT COOLANT OVERFLOW. REFER DSID: DSCCB4897. PERFORMED TROUBLESHOOTING AS PER EDS. COOLANT TEMP SENSOR NOT STUCK IN RANGE. PERFORM COMBUSTION GAS TEST, FAILED. CHECK EGR COOLER OUTLET FOR COOLANT, NO SIGNS OF COOLANT. PERFORM COOLANT STRIP TEST, NO COOLANT AT EGR COOLER OUTLET. REMOVED AIR FILTER HOUSING AND BRACKET, CROSSOVER TUBE, VALVE COVER, FUEL SUPPLY LINES, HIGH PRESSURE CONNECTORS AND INJECTORS. INSPECT INJECTOR O-RINGS AND INJECTOR SLEEVES, NO DAMAGE FOUND. DRAINED OIL AND COOLANT. EVACUATED A/C (3LBS 4 OZ). REMOVED FOR ACCESS: WINDSHIELD WASHER FLUID TANK, POWER STEERING COOLER, A/C LINES, COOLING MODULE, FAN SHROUD, BLADE, BELTS, FAN HUB, TENSIONER, A/C COMPRESSOR, ALTERNATOR CABLES AND ALTERNATOR, ACCESSORY BRACKET, HARNESS AND SUPPORT BRACKETS, REMOVED TURBOCHARGER, EXHAUST MANIFOLD, EGR VALVE AND PLUMBING, COOLANT RETURN MANIFOLD (0.5 99-999), CCV HOUSING AND BRACKET, DIPSTICK, SUPPORT BRACKETS, UPPER AND LOWER GEAR COVERS. REMOVE TOP END, CLEAN, AND INSPECT, GOOD. REMOVE CAM GEAR AND IDLER GEAR, CLEAN AND INSPECTED. FOUND CAM IDLER GEAR BEARING PITTED. REMOVE CAMSHAFT, FOUND HOLE FOR CAM DOWEL ROUNDED OUT. CLEANED AND INSPECT PISTONS. FOUND ALL PISTON SKIRTS SCORED. CLEAN AND INSPECT COUNTERBORES. FOUND ALL COUNTERBORES FRETTED AND REQUIRE MACHINING. DISASSEMBLED PISTONS. DISASSEMBLED CYLINDER HEAD. FOUND HEAD GASKET BLOWN ON CYL #5, #5 LINER SUNK AT 0.006", AND CYLINDER HEAD GROOVED WHERE FIRING RING SITS. REPLACED THERMOSTAT DUE TO COMBUSTION GASSES IN COOLANT. ASSEMBLED NEW CYLINDER

HEAD: INSTALLED INJECTORS, HIGH PRESSURE CONNECTORS, INJECTOR DRAIN FITTING, CAM PLUG, LIFTING BRACKETS. REPLACED CCV DRAIN LINE, BROKEN ON REMOVAL. MACHINED COUNTERBORES FOR 0.020\" SERVICE SHIMS, INSTALLED LINERS. PAINTED NEW CYLINDER HEAD (0.5 99-999) ASSEMBLED AND INSTALLED PISTONS AND RODS. INSTALLED NEW CYLINDER HEAD. REPLACED 2 SHORT HEAD BOLTS THAT WERE CORRODED/PITTED. PERFORMED OVERHEAD SET. REASSEMBLED WITH UPDATED TURBO INTAKE FOR AIR COMPRESSOR, NEW CLAMPS THAT WERE DAMAGD UPON REMOVAL. REPLACE EGR CROSSOVER TUBE GASKET & GROMMETS FOR EGR VENT LINE THAT NOT INCLUDED IN OVERHAUL KIT. REPLACED ENGINE FUEL FILTER, OIL FILTER, ENGINE OIL DUE TO COOLANT CONTAMINATION. REPLACED COOLANT DUE TO COMBUSTION CONTAMINATION. PRESSURE TESTED, GOOD. REPLACED RADIATOR PRESSURE CAP DUE TO COMBUSTION GASSES IN COOLANT. REPLACED RECEIVER DRIER DUE TO A/C SYSTEM EXPOSURE. EVACUATED AND RECHARGED A/C (3LB 4OZ). PAINTED ENGINE. PERFORM REGEN AND RUN DPF RESTRICTION TEST, FAILED. REMOVED RH STEPS FOR ACCESS. DOC HEAT TEMP SENSOR AND DPF HI-PRESSURE TUBE SEIZED. REPLACED DPF AND REMOVED DOC AND SENT FOR CLEANING DUE TO PROGRESSIVE DAMAGE FROM FAILED HEADGASKET/PUSHING COOLANT OUT OF OVERFLOW. PERFORMED REGEN, PASSED. CONTROL # 15907684

Condition 4: CUSTOMER CONCERN - OIL LEAK AT FRONT AREA OF ENGINE

Comment 4: STEAM CLEANED ENGINE. PERFORMED DYE TEST AND INSPECTED UNIT FOR OIL LEAKS. FOUND OIL LEAK AT LOWER CORNER OF GEAR HOUSING NEAR ENGINE FUEL PUMP. GAINED ACCESS. FOUND FUEL PUMP IDLER GEAR BEARING HEAVILY PITTED AND SCORED. REMOVED FRONT CRANK SEAL AND GEAR HOUSING. FOUND GEAR HOUSING FRETTED AT BOTTOM LEFT CORNER NEAR ENGINE FUEL PUMP. FOUND CAM IDLER GEAR HEAVILY PITTED. PINNED ENGINE AND INSTALLED CAM WEDGE. INSTALLED NEW GEAR HOUSING AND FRONT CRANK SEAL. REPLACED COMPRESSOR STUDS ON GEAR HOUSING, THREADS PULLED ON REMOVAL, REPAIRED. INSTALLED NEW FUEL PUMP IDLER AND GEAR DUE TO PITTING ON BEARING AND IDLER. INSTALLED NEW CAM IDLER GEAR DUE TO PITTING/SCORING ON BEARING. INSTALLED GEAR-SET AND SET BASE TIMING. REASSEMBLED WITH NEW O-RINGS AND SEALS. OPERATED ENGINE AND CHECKED FOR LEAKS, GOOD. PERFORMED BREAK IN ROAD TEST TO RUN IN ENGINE - ALL OK. REPAIR COMPLETE. CONTROL # 15907684

Condition 5: OPERATION MOVED TO REPAIR ORDER S192967.3

Remedy Codes - VOID

Comment 5:

Condition 6: REPLACE INLET NOX SENSOR PER CUMMINS PREDICTIVE SERVICE

Comment 6: -PREDICTIVE SERVICE NUMBER PRG00016978 -REPLACE INLET NOX SENSOR -SENSOR SEIZED INTO HOUSING, HAD TO HEAT TO REMOVE -EXTRA TIME SPEND -RUN REGEN FOR REPAIR VERIFICATION, GOOD -OPERATION COMPLETE

AB128472 Closed 10-05-22 327771K

Hour Meters: METER1 8392.0 METER2 METER3

Condition 1: MVI EXPIRES __ JAN. 2023

Comment 1:

Condition 2: OK TO FLASH ENGINE ECM SOFTWARE? (Y/N) __ YES

Comment 2:

Condition 3: CUSTOMER REQUEST: REPLACE ENGINE AIR FILTER AS IS PLUGGED RIGHT UP

Comment 3: REPLACE AIR FILTER. OLD ONE WAS REALLY HEAVY.

Condition 4: RSTXCUSTOMER CONCERN: EXHUASR LEAK AFTER TURBO

Comment 4: REMOVE FLEX PIPE INLET CLAMP. FOUND FLANGE HAD A HOLE IN IT IN THE EXHAUST PIPE AFTER TURBO. NO PARTS IN STOCK. ORDER PARTS. RE-ASSEMBLE WITH OLD CLAMP AND GASKET.

AB128126 Closed 10-06-22 327771K

Hour Meters: METER1 8392.0 METER2 METER3

Condition 1: OPERATION MOVED TO REPAIR ORDER AB128472.1

Remedy Codes - VOID

Comment 1:

Condition 2: OPERATION MOVED TO REPAIR ORDER AB128472.2

Remedy Codes - VOID

Comment 2:

Condition 3: CUSTOMER CONCERN: CHECK ENGINE LIGHT IS ON - NOX SENSOR CODES

Comment 3: CONNECTED TO LAPTOP & CHECKED FAULTS. FAULTS 5655 & 3725 ACTIVE. OPENED EDS SESSION - DSCBK2792. PROMPTED TO TROUBLESHOOT FAULT 5655. 1.) NO FAULTS FROM LIST. 2.) NO ECM CALIBRATION UPDATES FOR THIS FAULT. CONFIRMED INTAKE NOX SENSOR FAILED. REMOVED & REPLACED FAILED NOX SENSOR WITH NEW. CLEARED FAULTS & PERFORMED STATIONARY REGEN. REGEN SUCCESSFUL. NO FAULTS RETURNED. REPAIR COMPLETE.

Condition 4: OPERATION MOVED TO REPAIR ORDER AB128472.3

Remedy Codes - VOID

Comment 4: REPLACE AIR FILTER. OLD ONE WAS REALLY HEAVY.

Condition 5: OPERATION MOVED TO REPAIR ORDER AB128472.4

Remedy Codes - VOID

Comment 5: REMOVE FLEX PIPE INLET CLAMP. FOUND FLANGE HAD A HOLE IN IT IN THE EXHAUST PIPE AFTER TURBO. NO PARTS IN STOCK. ORDER PARTS. RE-ASSEMBLE WITH OLD CLAMP AND GASKET.

AB126271 Closed 05-20-22 294868

Hour Meters: METER1 7605.0 METER2 METER3

Condition 1: MVI EXPIRES JUNE 2022 - OK TO FLASH ENGINE ECM SOFTWARE? YES

Comment 1:

Condition 2: CLUTCH SERVICE SPECIAL - FLYWHEEL GRINDING

Comment 2:

Condition 3: CUSTOMER CONCERN - PARTS AND LABOUR NOT COVERED BY WARRANTY

Comment 3: CAUSE: NON-WARRANTABLE REPAIRS FROM WARRANTY R0 AB126197
CORRECTION: - MARKED AND CUT FLOOR COVER FOR ACCESS TO TRANSMISSION. -

REMOVED CLUTCH BRAKE. - REMOVED INPUT SHAFT COVER, BEARING, AND SHAFT. -
INSTALLED NEW INPUT SHAFT KIT. - INSTALLED NEW CLUTCH FOR AND GREASE LINE.
- REPLACED AIR FITTINGS FOR PTO AND TRANSMISSION SUPPLY. - CLEANED
BELLHOUSING TO FLYWHEEL HOUSING.

AB126197	Closed	05-25-22	294868
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Hour Meters: METER1 7605.0 METER2 METER3

Condition 1: OPERATION MOVED TO REPAIR ORDER AB126271.1

Remedy Codes - VOID

Comment 1:

Condition 2: CUSTOMER CONCERN - TRANSMISSION WON'T SHIFT - TOWED IN;
VGT4546247

Comment 2: BROUGHT TRUCK INTO SHOP AND DOWNLOADED FAULTS. CODE 64 FMI 7 AND CODE 27 FMI 7 RECENT WITH HIGH COUNTS. POWER AND GROUND TO ECA OK.

LCIB TEST FAILED MULTIPLE ATTEMPTS AND
CLUTCH ADJUSTMENT. PULLED TRANSMISSION COOLER, REMOVED PLUG ON TCM.

REMOVED CA AND COVER, CAGED AND UNBOLTED CLUTCH, REMOVED DRIVESHAFT AND LINES.

LIFTED TRUCK AND REMOVED TRANSMISSION.

CLUTCH REQUIRED.	INSTALLED
NEW CLUTCH AND REASSEMBLED.	COMPLETE.

Condition 3: OPERATION MOVED TO REPAIR ORDER AB126271.2

Remedy Codes - VOID

Comment 3:

Condition 4: OPERATION MOVED TO REPAIR ORDER AB126271.3

Remedy Codes - VOID

Comment 4:

Condition 5: CUSTOMER CONCERN - ENGINE WARNING LAMP COMING ON

Comment 5: DOWNLOADED AND CONFIRMED FAULT CODE 1883. NO RELATED CODES. PRESSURE TUBES / CONNECTIONS OK. CHECKED VOLTAGE AND CONFIRMED DPF DIFF. PRESSURE SENSOR FAILED. REPLACED FAILED SENSOR. CLEARED CODE AND ROAD TESTED. COMPLETE

Condition 6: CUSTOMER COMPLAINT; TRANSMISSION WON'T SHIFT; VGT4546813

Comment 6: CAUSE: CORRECTION: TRUCK WILL NOT GO INTO GEAR. ECA REQUIRES REPLACEMENT. REMOVED COVER, ECA / PLUGS AND HARNESS. INSTALLED NEW ECA. CLEARED CODE AND ROAD TESTED. REPAIR COMPLETE.

AB124232	Closed	02-09-22	282087K
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Hour Meters: METER1 7225.0 METER2 METER3

Condition 1: CUSTOMER CONCERN - CEL ON-CODES ATTACHED-IMAGE SAVED ON RED LAPTOP

Comment 1: CHECKED FAULTS - RELATED TO TRANSMISSION. TRUCK IS STILL IN BASE WARRANTY PERIOD. WILL NEED TO GO BACK TO OEM TO HAVE REPAIRED.

AB123181 Closed 11-24-21 256445

Hour Meters: METER1 6788.0 METER2 METER3

Condition 1: CUSTOMER COMPLAINT: ENGINE STALLS WHILE DRIVING. UNIT WAS TOWED IN.

Comment 1:

Condition 2: CUSTOMER COMPLAINT: WINDSHEILD WASHERS NOT WORKING

Comment 2:

Condition 3: CUSTOMER COMPLAINT: MESSAGE ON DASH SHOWS DIFFS ARE LOCKED UP WHEN SWITCH IS IN THE UNLOCK POSITION - ASSESS AND REPORT

Comment 3:

AB117770 Closed 03-01-21 212024

Hour Meters: METER1 5489.0 METER2 METER3

Condition 1: CUSTOMER COMPLAINT: CHECK ENGINE LIGHT IS ON.

Comment 1: . Print off codes. Recent code 5867 related to DEF dosing, 30 counts. Create ECM image and open up eds. #dsbyj0607. 1) no related codes. 2) TSB 170085 regarding night switch shut off before power down and def pump purge cycle is complete. Unit has 2 night switches. Likely the cause. Continue to check wire and harnesses. No issues found. Replaced relay and performed def pump leak test. Pressures are good and pump operates properly. No other issues found at this time. Update ECM from HD10264.01 to .16 .

Condition 2: CUSTOMER REQUEST: REPLACE DOOR LATCH - PARTS IN CAB. PERFORM REPAIR IF TIME PERMITS - DO NOT DISABLE TRUCK

Comment 2: . Not done at this time. .

AB114828 Closed 10-27-20 198567

Hour Meters: METER1 5110.0 METER2 METER3

Condition 1: CUSTOMER REQUEST: LOW COOLANT WARNING IS ON

Comment 1: Hooked up and checked faults . Found fault 195 and 197 coolant level circuit voltage high. Opened Ed_s and followed diag. Found broken wires just before the coolant level sensor plug. We_re the wiring was secured to the surge tank. Made repair and tested. No more faults.

AB113297 Closed 08-25-20 185501

Hour Meters: METER1 4731.0 METER2 METER3

Condition 1: CUSTOMER COMPLAINT: CHECK ENGINE LIGHT IS ON.

Comment 1: TS code 3574 EDS # DSBWN9033 Step1 no DEF leaks found at fittings or lines. step 2-measured DEF concentration is in spec. 32.5% step3- removed line from DEF doser and monitored pressure is reading is correct 3.5PSI Step4- used external pressure gauge to double check pump pressure when priming is in spec 120PSI Step 5- measured voltage drop in harness is in spec. Step 6- measured vacuum that pump can make in spec. 10.3 in,Hg. step 7- measured vaccum of suction from tank is out of spec. 11in,Hg removed DEF tank and pulled pick up tube assembly found pick up screen in 80% plugged replaced screen washed out DEF tank with water,

removed screen from pump inlet fitting is 50% plugged replaced both fittings and screens, removed main DEF filter found very dirty replaced main filter. re assembled tank and lines now all suction is in spec. cleared codes and ran regen to test SCR system filled DEF tank with new DEF. regen completed successfully, no fault codes logged. Parked truck , closed EDS claim.

AB113188 Closed 08-19-20 184999

Hour Meters: METER1 4719.0 METER2 METER3

Condition 1: CUSTOMER COMPLAINT: CHECK ENGINE LIGHT IS ON & PWR DERATED

Comment 1: Troubleshoot fault code 5867 via EDS Step one, there are no triggering faults log. Step to TSB for PACCAR vehicles with battery disconnect switches. Check data log for 5867 faults logged when truck engine is off. Operator is turning off batt switches before DEF pump has a chance to Return to tank. Stopped repair.

AB111804 Closed 06-22-20 176199

Hour Meters: METER1 4474.0 METER2 METER3

Condition 1: CUSTOMER COMPLAINT: TRANS INTERMITTANTLY WILL NOT GO INTO GEAR / SOMETIME GETS STUCK IN GEAR WE CAN NOT WORK ON THE TRANS BECAUSE THE TRUCK IS ONLY 27 MONTHS IN SERVICE MUST BE 36 MONTHS OR 300000 MILE BEFORE WE CAN WORK ON IT UNDER WARRANTY

Comment 1: brought truck in and assessed for problems - printed a SAR and created Sar sent to eaton - code 64 fmi 7 old and one count - code 73 fmi 7 recent and 3 counts - started to troubleshoot code 73 fmi7 and step A) code is inactive recent and logged more then once b) software is below 5570059 its only at 5570055 cannot perform anymore work on unit as its under 3 years old and KW has the rights for the warranty work on trans still - so had a quick look under truck at solenoids for range and splitter both the solenoids loose as bolts have backed out - llooked up in a clutch well greased no debris found at this time removed and put red locktite on bolt threads for splitter and range reinstalled - FULL STOP NOW - backed truck out and parked it.

AB111320 Closed 05-28-20 172086

Hour Meters: METER1 4375.0 METER2 METER3

Condition 1: CUSTOMER COMPLAINT: CHECK ENGINE LIGHT IS ON. UNIT WAS TOWED IN.

Comment 1: . CONNECTED TO ENGINE ECM & CHECKED FAULT CODES: 5867 INACTIVE RELATED TO AFTERTREATMENT DEF DOSER VOLTAGE / CHECKED & TIGHTENED BATTERY CONNECTIONS / CHECKED WIRING TO DEF RELAY OK / PERFORMED DEF PUMP TEST, GOOD / FOUND EMERGENCY SHUTDOWN TRIGGERED / RESET & ENGINE STARTED NO PROBLEM . NOTE: TURNING NIGHT SWITCH OFF TO QUICKLY CAN CAUSE THE ABOVE FAULT CODE TO LOG. MUST WAIT 120 SECONDS FOR TRUCK SYSTEMS TO CYCLE OFF. .

AB110565 Closed 04-27-20 165865

Hour Meters: METER1 4219.0 METER2 METER3

Condition 1: CUSTOMER REQUEST: CHECK ENGINE LIGHT - NOT COVERED BY WARRANTY

Comment 1: T/S code 3422 with EDS DSBWB1591. Led to find a broken wire at def line #3 plug connector. Repaired wiring and tested heaters. No more codes.

Condition 2: CUSTOMER REQUEST: PLASTIC COOLANT FITTINGS IN BLOCK LEAKING

Comment 2: Replaced both plastic fittings at rear of cylinder head.
Replaced coolant hoses with longer hoses. Pressure tested. No leaks.

AB110555 Closed 05-11-20 165865

Hour Meters: METER1 4219.0 METER2 METER3

Condition 1: CUSTOMER COMPLAINT: CHECK ENGINE LIGHT IS ON.

Comment 1: CAUSE: CORRECTION: DOWNLOADED AND CONFIRMED FAULT CODE 4449. NO
RELATED CODES. ECM CALIBRATION OK. CONFIRMED PARTICULATE MATTER SENSOR
FAILED. STEP REMOVED FOR ACCESS. REPLACED FAILED SENSOR AND REASSEMBLED.
CLEARED CODE AND RAN REGEN. COMPLETE.

Condition 2: CUSTOMER REQUEST: EXHAUST LEAK ON RH SIDE OF ENGINE TREAT AS
WARRANTY

Comment 2: LOCATED EXHAUST LEAK. DRAINED COOLANT, REMOVED TURBO AND
MANIFOLD. CLEANED AND PAINTED HEAD. SEPARATED MANIFOLD AND FOUND CENTER
SECTION FRETTED. ASSEMBLED NEW MANIFOLD. INSTALLED AND TORQUED TO SPEC.
INSTALLED TURBO AND LINES. ATTACHED AIR PIPES AND FILLED WITH COOLANT. RAN
UNIT. OPERATION GOOD; CURED COMPLAINT.

AB107965 Closed 01-13-20 138133

Hour Meters: METER1 3560.0 METER2 METER3

Condition 1: CUSTOMER COMPLAINT: CHECK ENGINE LIGHT IS ON

Comment 1: CAUSE: CORRECTION: DOWNLOADED AND CONFIRMED FAULT CODE 067,
5989, 2347. TESTED AND CONFIRMED TURBO SPEED SENSOR FAILED. SENSOR BROKE
OFF IN TURBO - DRILLED/EXTRACTED SENSOR. REPLACED SENSOR AND CLEARED CODES.
ROAD TESTED-OPERATION GOOD. COMPLETE