

REPAIR ORDER INVOICE

Customer Number:			Invoice Number: F	
Tax Status	Terms	P.O.#	Service Date	Invoice Date
TAX	CHARGE	N/A	10/06/2022	10/14/2022



Serial Number	Unit Number	Make / Model	Year	License Number	Mileage
1XKDD49X5CJ302772	34	Kenworth/T800	2012		613796

OPERATION 2

COMPLAINT: TRANS ISSUES, STILL DRIVABLE, KICKING OUT OF GEAR AND POPPING
 VMRS CODE: 01-026-011-010-03-51
 CORRECTION: REPLACE WITH NEW-TOWER ASSEMBLY - SHIFTING-TRANSMISSION EXTERNAL CONTROL-INOPERATIVE
 WENT OUT TO UNIT IN LOT. ENGAGED CLUTCH AND CYCLED TROUGH GEARS, UNIT GOES INTO GEAR FINE. DROVE UNIT AROUND LOT IN ATTEMPT TO DUPLICATE ISSUE. UNIT DID NOT KICK OUT OF GEAR DID NOTICE A SLIGHT "POP" SOUND GOING FROM 1ST TO 2ND GEAR. BUT NOISE WAS INTERMITTENT. UNABLE TO CONFIRM KICKING OUT OF GEAR. UNIT DOES ALSO HAVE AN ACTIVE WRENCH LIGHT ON DASH. TEST DROVE UNIT. DROVE STOP AND GO TRAFFIC AND INTERSTATE. NOTHING HAPPENED ON STOP AND GO. GOT IT TO POP AND GRIND SOME IN HIGH GEARS ON INTERSTATE. DID GET IT TO POP OUT OF GEAR ONCE IN HIGH SIDE 8TH GEAR. ROAD TEST. POPPING NOISE I HEARD PROBABLY FROM RIGHT SIDE STEER SPRING PINS/BUSHINGS WORE OUT. CAN SEE RUB MARKS ON SHACKLE BLOCK. NEVER HAD TRANS JUMP OUT OF GEAR, BUT HAS LOTS OF PLAY IN SHIFT TOWER/SHIFT ISOLATOR BUSHING. ALSO CLUTCH HAS NO FREE TRAVEL ON THE PEDAL. FOUND TRUCK PULLED INTO SHOP GOT UP ON BLOCKS REMOVED DRIVELINE CUT ZIPTIES REMOVED HARNESS BRACKETS AND BELLY PAN WASHED BELLY PAN OFF REMOVED PUMP COULDN'T FIND TRANSMISSION PLATE FINALLY FOUND IT GOT IN PLACE REMOVED SHIFT TOWER AIR LINES AND DISCONNECTED TRANSMISSION COOLER PLUGGED LINES REMOVED TRANSMISSION BOLTS DROPPED TRANSMISSION REMOVED TOP BOX INSPECTED FOR DAMAGE FOUND SLIDER FOR 8-9 IS BAD CLEANED UP AROUND TRUCK GOT QUOTE FOR A TRANSMISSION OVERHAUL INSPECTED THE TRANSMISSION AND SHIFT TOWER. LISTED ALL PARTS NEEDED TO REPAIR THE COMPLAINT. STARTED DRESSING TRANSMISSION PTO BOLT ON THE BACK SIDE ROUNDED OFF AND SPENT TIME REMOVING IT GOT PTO OFF FOUND THE SHAFT THAT SPLINES TO TRANSMISSION BEARINGS ARE BAD HAS A LOT OF PLAY. FINISHED DRESSING TRANSMISSION GOT SET ONTO

Customer Copy

CONTINUED

REPAIR ORDER INVOICE

Customer Number: _____

Tax Status	Terms	P.O.#	Service Date	Invoice Date
TAX	CHARGE	N/A	10/06/2022	10/14/2022

OPERATION 2

JACK GOT UNDER TRUCK AND STABBED TRANSMISSION GOT BELL HOUSING BOLTS IN AND TIGHT WITH LOCKTITE GOT NEW GEAR SELECTOR INSTALLED GOT HARNESS INSTALLED SHIFT TOWER AND AIR LINES GOT GREASE LINES HOOKED UP NO OIL IN TRANY NO OIL IN TRANY NO OIL IN TRANY ZIPTIES NEED PUT ON HARNESS AND AIR LINES YOKE NEEDS PUT ON TRANSMISSION NEEDS FILLED BELLY PAN NEED PUT UP AFTER WE GET A PTO CLUTCH ARM ON CROSS SHAFT NEEDS TIGHTENED AIR LINE ON BACK OF TRANS NEEDS PLUGGED IN AFTER GETTING ZIPTIES ON DRIVELINE NEEDS HUNG FINISHED WHERE LAST TECH LEFT OFF GOT GREASE LINE CONNECTED CLUTCH LINKAGE TIGHT AIRLINES PLUGGED IN AND HARNESS TIED UP. INSTALLED YOKE WITH NEW NUT THEN HUNG DRIVELINE WITH NEW STRAP BOLTS. CUSTOMER BROUGHT PTO, LOOKED AT OLD ONE, GEARS ARE DIFFERENT. REMOVED COVER PLATE AND SET .20 GASKET UP AND BOLTED PTO PUMP UP. CHECKED BACKLASH AND .20 WAS TOO MUCH. PUT .10 UP AND THAT GOT BACKLASH TO .0085. INSTALLED REST OF BOLTS WITH TANGS AND INSTALLED STUDS. INSTALLED BELLY PAN AND HUNG PTO GOT BOLTED ON AND AIR LINES PLUGGED IN. STARTED TRUCK AND LET RUN TO LOOK FOR LEAKS. FOUND NONE. FOUND THERE IS NO FREE TRAVEL. ADJUSTED CLUTCH TO 1.5 FREE PLAY. WILL GO INTO ALL LOW AND HIGH GEARS AS WELL AS REVERSE. TEST DROVE TRUCK AND MADE SURE NO LEAKS.

25.0 Hours Labor Total --

S1677	TOWER-SHIFT&STUB ASSEM	1
K3399	KIT-ISOLATOR BUSHING R	1
76013IMP	USS FLAT G R8 3/8	2
127760-50	CLUTCH BRAKE ASSY KIT	1
6.5-70-18X	KIT-STRAP&BOLTS, 1/2	2
68011008LP	90 FITTING.	1
6801LL1008LP	90 FITTING LONG	1
121958EXX	M-DELVAC 1 TRANS FL 40	40

Parts Total --
Total Operation 2 --

CONTINUED

Customer Copy

REPAIR ORDER

Customer Number:

*
*
*

Labor Total	
Parts Total	
Shop Supplies	
Sales Tax	

Customer Copy

TOTAL DUE

6,118.90