

ORDER OPEN DATE : 08/22/2025

ORDER CLOSE DATE : 09/02/2025

Cust Unit: 160435 DLR Unit No.: EQ0033971 Model Year: Make: Volvo Truck Model: VNL S/N: 4V4NC9EH8LN227352

METER IN: 543232.00 METER OUT: 543232.00

SEGMENT : 1 ENGINE CODES

SEGMENT TYPE : Chargeable

**COMPLAINT :**

09/02/2025 10:40 AM 000128  
Active engine code

**CAUSE :**

09/02/2025 10:40 AM 000128  
Hooked up pit and checked codes. Found active code P220513 for inlet nox sensor bank 1 open circuit. Ran code in cbr and found solution 2191 to replace inlet nox sensor.

**CORRECTION :**

09/02/2025 10:44 AM 000128  
Removed side heat shield and steps. Removed inlet nox sensor. Could not get nox sensor out of front cover with out damaging the threads. Got the okay to replace the front cover. Removed Dif pressure sensor pipe and removed clamps for front cover. removed front cover and cleaned up gasket surface. installed new gasket and new front cover. Swapped over diff pressure sensor and tubes. One of the diff pressure pipes broke at the fitting so had to replace that also. installed new nox sensor into new front cover and also installed new T3 temp sensor due to damage when removing. installed steps and heat shield. ziplied up wiring

ITEM / Lot ID	DESCRIPTION	QTY	PRICE	CORE	TOTAL
22303390 MT	NOX Sensor, Inlet	1			
22303390C MT	Sensor - CORE	-1			
22438983 VT	Cover	1			
23108406 VT	DOC/DPF Clamp /gasket kit	1			
21164790 VT	Temp sensor	1			
22776211 VT	Service Kit	1			
LABOR					

SEGMENT 1 TOTAL :

SEGMENT : 2 DAIG TRANY MANKING NOISE

SEGMENT TYPE : Chargeable

**COMPLAINT :**

09/02/2025 10:48 AM 000128  
Transmission wont go into gear

**CAUSE :**

08/25/2025 02:50 PM 000128  
Checked codes and found active code P10AEB1 for engaged gear in neutral one count. Also have multiple count for split engagement internal failure inactive. Ran a gear shift test and could not get transmission to shift into any gear. Followed GD and found that with transmission in neutral the output shaft will not turn. Transmission is stuck in gear. Also found transmission

SEGMENT : 3 REPLACE TRANS

SEGMENT TYPE : Chargeable

COMPLAINT :

09/02/2025 10:55 AM 000128

Replace tranny

CORRECTION :

09/02/2025 10:56 AM 000128

Removed clutch and fly wheel. Resurfaced flywheel and installed new pilot bearing. installed flywheel and new clutch. installed new transmission cooler and oil lines on to new transmission and installed new coolant line due to the old ones braking when removed. Installed new transmission S/N 9357511 to replace old transmission S/N 0710887251 and hooked up wiring and air line. installed drive line and put new transmission oil in transmission. Did not installed pto due to metal in oil and no need for it due to no wet kit. customer request. programmed the new tecu and calibrated transmission and clutch. cleared codes and road tested. checked over for leaks and found none. released unit to customer

ITEM / Lot ID	DESCRIPTION	QTY	PRICE	CORE	TOTAL
85020878 VT	Transmission, Reman				
24674761 VT	CLUTCH KIT				
1652986 VT	Pilot Bearing				
9853-MMDR IVE75W80QT	Mack M-Drive Transmission				
8116-3713 76	TY RAP BLACK 11 SSTAB 50				
85107600 MT	Screw				
22585398 VT	Line, trans cooler				
23835830 MT	Oil Cooler				
24009664 VT	Trans cooler hose kit				
22304900 VT	Line, trans cooler				
22305002 MT	FLANGE SCREW				
21532261 MT	Sealing Ring				
995906 MT	Hexagon Screw				
984050 VT	Nut, trans yoke				
85020878C VT	Transmission, Reman - CORE				
	FREIGHT FOR PARTS				
LABOR					



INVOICE TOTAL	(USD)	25,183.33
		(0.00)
Balance Amount		0.00



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CUSTOMER SIGNATURE