

DATE: 01/22/24

VIN: 1HTSDAAN4WH511589

FOR HUGE SAVINGS ON EQUIPMENT, CHECK OUT THE EXCESS INVENTORY SECTION
OF OUR WEBSITE AT

MAKE: INTERNATIONAL MODEL: 4900 YEAR: 1998 VIN# 1HTSDAAN4WH511589

DESCRIPTION

DIAGNOSE HYDRAULIC PRESSURE ISSUE
REPLACE PUMP
FIX LEAK IN VALVE

LABOR
MATERIAL
PARTS

\$
\$
\$

SUB-TOTAL \$
SALES TAX \$

TOTAL \$ 3,162.07

Date: 4/4/2025

Service Order [REDACTED] Terms [REDACTED] Due Date 4/4/2025 Authorizer [REDACTED] Customer PO [REDACTED] Service Writer [REDACTED] Unit # 1

Item Description Quantity Rate Amount

Complaint: Diagnose and repair Power steering leak behind gear box

Cause: Bad shaft seals from a pitted shaft. **Type:** Unscheduled repair

Labor **Correction:**

Chassis / Steering / Got the truck up to the door and drained what was left of the power steering fluid. Removed the steering shaft bolt and got the bolt to free up and spin. Got the shaft off and removed the pressure line from the box and plugged the hose end. Removed the pitman arm bolt and pulled it off with a special puller. Removed the 3 mounting bolts and found that the seals that are leaking are the internal seals for the shaft and from our experience the shaft is likely pitted and is the main cause of the leak. Recommend a new steering gear.

Got the new gear up and installed to the frame. Tightend all 3 frame bolts. Got the steering shaft aligned. Got the fittings transferred over and found the pressure side fitting has damage to it and needs to be replaced. Installed a new return hose from the gear to the reservoir and tightened both clamps. Got the pitman arm installed in time and torqued the retaining screw to spec and bent both tabs over to lock it in position.

Found damage to the pinch bolt at the steering shaft. Installed a new matching bolt and torqued it to spec with a new lock nut.

Got our new pressure side fitting and installed it with the line. Ensured all connections were tight and filled the system. Started the truck and bled the system ensuring it did not run empty. Got the fluid to the cold max mark and set the stops. Bled all the air out of the system and took it for a drive. Checked our fluid level and found that the pump still had a whine to it and was difficult to turn at first.

We believe the pump is bad due to the system being ran low to empty on fluid. We jacked the front of the truck up and were able to rotate it lock to lock with just the steering shaft so the king pins are not seized up. Recommend a new pump.

Parts Sheppard Steering Gear
Parts 7/16 Bolt
Parts 1/2" Push-Lok Hose
Parts #10 Heavy-Duty Stainless Steel Hose Clamp
Parts 1/2 Straight Thread O-Ring (Boss)

Complaint: Replace power steering pump

Cause: Bad pump

Date: 1/4/2023

Due Date 1/4/2023
Authorizer
Customer PO
Unit # 1

Item	Description	Quantity	Rate	Amount
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Complaint: Customer states that rear end is no longer operable

Cause: Differential exploded

Labor **Correction:**
Chassis / Chassis /
Cleaned the rear end out of all the metal chunk, shavings, all the burnt oil, and the mating surface of all the RTV that was on it. Used 2 ratchet straps to hoist the differential up and into place so 3 longer bolts could be started, and the differential could slide back and forth on them. Used black RTV on the mating surface so the differential could be sealed. Slid the diff. on the bolts to the housing and started the bolts the rest of the bolts along with removing the long ones and replacing them with the original bolts.
Tightened all the bolts. Removed the yoke from the old differential and put it on the new one with a new nut and tightened it down with a 3/4 air impact. Put the axle shafts in with a new gasket. Put the drain plug in and filled the rear end.

Parts brakleen

Parts Rear End

Parts syn 75w-90

Parts Permatex Threadlocker- blue .20oz

Parts Axle Flange Gasket

Parts Strap Kit 90-70-28X

Complaint: Customer would like rear brakes adjusted and air brake lines possibly moved as they are rubbing on rear end

Cause: Customer request

(Inspection)

Labor **Correction:**
Chassis / Air Brake / Aired up the truck. Chocked the front tires. Released the brakes.
Tightened the brakes all the way down then backed them off 1/2 turn. Reapplied the brakes.
Adjusted rear brakes.

Subtotal

Invoice

SO			SHIP TO		
AD			ADDRESS		
CITY, STATE, ZIP			CITY, STATE, ZIP		
C	SOLD BY	TERMS	F.O.B.	DATE	
				219434 12-22-23	

ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
1-		Coolant filter			
1		Gal antifreeze			
		Nuts Bolts Cable ties			
25 Hours labor					
Labor on Remove front wheels & clean up oil filter Base & Oil Cooler Remove Oil Cooler oil filter Base clean up install New Seals & O-Ring Clean up left Side & Remove High press fuel F O manifold clean up & Replace fuel lines & Seals Gaskets & Clean up Turbo pipe & Replace pipe & Seals Gaskets					

Date 11-3-23

Reg. No.	Clerk	Account Forward
1		
2		
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Labor on check
 Oil Hyc & blow
 Pressure on Tank 8500

8500

2289-43

Your Account Stated to Date - If Error is Found, Return at Once
 A-1302061048600
 T-4020046202/102020