

Invoice To Account No:

Deliver To:

SERVICE INVOICE

| | | | | |
|-----------------|-------|--------------------|------------|-----------|
| | | Invoice Number: | | |
| | | Invoice Date | 03/15/2022 | |
| | | Location: | | |
| | | Work Order Number: | | |
| | | Payment Type: | Account | |
| | | Page: | 1 of 6 | |
| Make/Model: | Meter | Serial Number: | EQ Id: | Fleet No: |
| JOHN DEERE 770G | 8273 | 1DW770GXLCE644505 | 46094W | |

gen1 Retail**COMPLAINT:**

01 Customer stated the unit needs tie rod ends, wheel lean cylinder bushings out.

CAUSE:

Thursday, February 24, 2022
 Tie rod and steering ends loose.
 Wheel lean cylinder bushings wore.
 Left front hub bearings loose.
 Toe in out of adjustment.

CORRECTION:

Wednesday, January 12, 2022 10:04 AM - t528
 Needs steer cylinder ball joints and tie rod end ball joints
 Also the wheel lean cylinder bushings.

Thursday, January 20, 2022 3:23 PM - T528
 Replaced ball joints for tie rod ends and steering cylinders.

Thursday, February 24, 2022 7:53 AM - T527
 Raise front of grader off the ground.
 Remove front tires.
 Remove one end of wheel lean bar.
 Remove hydraulic lines from wheel lean cylinder.
 Remove retaining pins from wheel lean cylinder.
 Remove cylinder.
 Remove bushings from rod and barrel.
 Install new bushings and seals.
 Install wheel cylinder in reverse order.
 Mount brackets to check and adjust toe in.
 Remove brackets.
 Left front wheel bearing loose.
 Remove cover from hub.
 Remove cotter pin and nut.
 Remove hub from spindle.
 Clean bearings and hub.
 Remove seal from spindle.
 Clean spindle.
 Remove seal wear sleeve from hub.
 Install new wear sleeve in hub.

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8273

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Install new seal on spindle.
 Grease seal.
 Pack bearings.
 Fill cavity between bearings
 Install bearings and hub on spindle.
 Torque spindle nut to spec back off to nearest hole and install cotter pin.
 Install cover on hub.
 Install tires.
 Lower machine to ground.
 Pick up tools.

| <u>PartNumber</u> | <u>Description</u> | <u>Quantity</u> | <u>Net Price</u> | <u>Extended Price</u> | <u>Taxed Ind</u> |
|----------------------|--------------------|-----------------|------------------|-----------------------|------------------|
| 11M7023 | Cotter Pin | 4.00 | | | |
| 11M7100 | Cotter Pin | 1.00 | | | |
| 24M7359 | Washer | 2.00 | | | |
| AT169864 | TIE ROD EN | 2.00 | | | |
| AT191299 | Clamp | 1.00 | | | |
| AT191739 | Clamp | 1.00 | | | |
| H232254 | Bushing | 1.00 | | | |
| H232256 | BUSHING | 1.00 | | | |
| R59074 | OIL CUP | 1.00 | | | |
| RE31702 | SEAL | 1.00 | | | |
| T77613 | O-RING | 6.00 | | | |
| TY24425 | Grease | 5.00 | | | |
| <u>Miscellaneous</u> | <u>Description</u> | <u>Quantity</u> | <u>Net Price</u> | <u>Extended Price</u> | <u>Taxed Ind</u> |
| INFREIGHT | INBOUND FREIGHT | 1.00 | | | |

OL&M Charges:

Description

Value

Hauling

Labor:

Parts:

OL&M:

Misc:

Sub-Total:

\$3,878.44

/DT1000 Retail

COMPLAINT:

02 Drive Time & Mileage

CAUSE:

CORRECTION:

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JOHN DEERE 770G

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Service Call

Check unit for tire wear.

| Labor: | Parts: | OL&M: | Misc: | Sub-Total: | \$950.88 |
|--------|--------|-------|-------|------------|----------|
|--------|--------|-------|-------|------------|----------|

Gen3- Retail

COMPLAINT:

Unit has fault ECU 1209.7 exhaust pressure fault.

CAUSE:

EGR cooler soot fouled.

CORRECTION:

Wednesday, January 12, 2022 11:46 AM - t528

Ran machine and the exhaust pressure went to more pressure when the egr was open and with it not moving was about even.

Tuesday, February 22, 2022 4:22 PM - steve

Drain coolant.

Remove front engine compartment cover.

Remove left engine compartment door.

Remove EGR cooler coolant piping and EGR piping.

Remove EGR cooler.

Remove EGR valve.

Remove venturi.

Clean soot from all parts to be reused.

Install venturi.

Install EGR valve.

Install EGR piping.

Install new EGR cooler.

Install EGR coolant pipes.

Fill cooling system.

Run machine check for leaks.

Install engine compartment door.

Install front cover.

| PartNumber | Description | Quantity | Net Price | Extended Price | Taxed Ind |
|------------|--------------------|----------|-----------|----------------|-----------|
| 1204090105 | EGR CLEANING FLUID | 1.00 | | | |
| 51M7041 | O-RING | 1.00 | | | |

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| | | |
|----------|----------------|------|
| 51M7045 | O-Ring | 3.00 |
| DZ102532 | Heat Exchanger | 1.00 |
| DZ122768 | O-Ring | 2.00 |
| R526831 | GASKET | 3.00 |
| R528237 | SEALING RI | 1.00 |
| R529587 | O-Ring | 2.00 |
| R566072 | O-RING | 4.00 |
| RE540804 | CLAMP | 3.00 |
| RE568261 | CLAMP | 1.00 |
| T225564 | Seal | 2.00 |
| T225565 | Seal | 2.00 |
| T77613 | O-RING | 2.00 |
| T77932 | O-RING | 4.00 |

Labor:

Parts:

OL&M:

Misc:

Sub-Total:

\$5,328.51**Gen4- Retail****COMPLAINT:**

Left tandem pivot leaking.

CAUSE:

Friday, February 25, 2022 11:35 AM - T527
 Pivot seals leaking.

CORRECTION:

Friday, February 25, 2022 11:34 AM - T527
 Raise machine and install stands.
 Remove tires from left side tandem.
 Drain tandem oil.
 Remove center cover and remove sprocket snap ring.
 Attach lifting device to tandem.
 Remove bolts that hold tandem to pivot.
 Remove pivot retaining plate and shims.
 Remove pivot.
 Clean all parts.
 Replace pivot seals.
 Replace pivot thrush washer segments.

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Replace both pivot bushings.
 Install pivot shims and retaining plate torque to spec.
 Install tandem torque tandem retaining bolts to spec.
 Fill tandem with oil.
 Install snap ring on axle.
 Install cover.
 Install tires.
 Raise machine and remove jack stands.
 20 gallons hygard
 2 gallons brake clean

| <u>PartNumber</u> | <u>Description</u> | <u>Quantity</u> | <u>Net Price</u> | <u>Extended Price</u> | <u>Taxed Ind</u> |
|-------------------|--------------------|-----------------|------------------|-----------------------|------------------|
| CE32526 | Seal | 2.00 | | | |
| PM1330906 | SEALANT | 1.00 | | | |
| T158340 | GASKET | 1.00 | | | |
| T215515 | WEAR RING | 2.00 | | | |
| T215516 | THRUST WAS | 6.00 | | | |
| T41677 | O-RING | 1.00 | | | |
| TY6333 | Grease | 1.00 | | | |

Miscellaneous Charges:

Enviromental Fees

Service Supplies

Labor:

Parts:

OL&M:

Misc:

Sub-Total:

\$1,992.20

Customer PO No:

Tax Exempt No:

Advisor:

Labor:

Parts:

OL&M:

Misc:

Sales Tax:

Total:

\$12,150.03

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