



RDO Equipment Co.
 901 West Hwy 12
 Webster, SD 57274
 605-345-3391
 Fax: 605-345-3021

For Billing Inquiries or to
 receive invoices via E-mail or
 MyDealer website, please contact
 RDOAR@rdoequipment.com

Ship to: N/A

Branch
 WEBSTER, SD *REPRINT*

Date
 06/04/21 Time
 19:13:28 (B) Page
 01

Account No.
 7487002 Phone No.
 6058867487 Invoice No.
 W2534647

Ship Via
 Purchase Order

Tax Exemption Number
 FARM CERT Federal ID Number

Salesperson
 VZ1

Invoice to: STEVE BORNES
 44368 175TH ST
 HAZEL SD 57242-6610

SERVICE INVOICE

STK#/FLEET#		HRS	PIN/EIN	WARRANTY DATE	HRS
X311851	TRACTOR 3010	3155	30101T29589		

- * We're offering parts, services & sales during restrictions.
 Learn more at RDOequipment.com/COVID-19
- ** Buy parts online and view your invoices at RDOequipment.com/account
 Create your FREE RDO Account today!

SEGMENT# 1 C TMM01 RDO-080-DIAG 05/19/21 05/19/21
 MISCELLANEOUS DIAGNOSTICS

CONDITION:

Won't start.

CAUSE:

Battery dead.
 Harness leads melted onto the key switch.
 Neutral start switch is broken.
 Distributor needs tune up.
 Engine oil is over full, gas in the oil.
 Fuel pump leaks.
 Right front tie rod loose.

CORRECTION:

Battery is dead. Customer stated that the battery was new last fall.
 Removed battery from box. Charge and test battery. OK.
 Clean cable ends and replace clamp bolts.
 Still doesn't crank over and the Gen and battery, lights don't come on.
 Removed dash plate. Harness ends are melted on the back side of the ignition switch. Replace switch and 6 wire connector on the harness.
 Gen. light comes on when switch is turned on. Oil light does

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not. Wire end on harness for pressure sending unit is damaged. Cut wire back to good wire, add in some wire and a new end. Oil light now comes on. Still not cranking from the switch. Removed dash cover. Neutral start switch is broken into 2 pieces. Replaced switch. Now the engine cranks over.

disconnect lines from both sides of fuel pump. Pump is defiantly leaking. Hooked up electric fuel pump and push gas to carburetor.

Engine cranks but doesn't start.

Check for spark at spark plug. No spark. Removed distributor cap and check points. They are burnt. Removed points and condenser. Threads on pass through bolt for power to the points are damaged. Removed bolt from distributor and clean threads with a die. Install bolt with new nuts. points and condenser. Ends are falling off of the spark plug wires, stuck in the distributor cap. Replaced rotor, cap, plugs and wires.

engine oil is several gallons over full. Fuel is leaking through the fuel pump into the oil pan. Change engine oil and filter. Change air cleaner oil.

Replaced fuel pump and gasket. Transfer fitting to the new pump. Start and run. Fuel leaking at carburetor. Tighten inlet line. Ran out of gas. Replaced gas and radiator caps. When it was running I noticed that the right front tire has a lag when steering direction is changed. Found the inner tie-rod nut is loose.

Nut can't be tightened up. Removed nut and pulled end out to the see what was going on. Threads are damaged. Run die over threads.

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Install and tighten tie-rod. Greased front spindles.
 Engine would run for a couple of minutes and die.
 Check spark immediately after it shut down. I still had
 spark.
 If you would wait 5 minutes it would start and run for
 another 2 minutes.
 Disconnected line at fuel pump from tank. Line had very
 little fuel flowing from the tank. Pushed air back into the
 tank. Now flowing good.
 Reconnect line to pump and test run. Same problem Runs for
 2 minutes and stops. Set up substitute fuel supply and
 connect to pump. Same outcome, stops after 2 minutes.
 Disconnect battery cables, Unhook fuel line between pump
 and carburetor. Blew shop air through the line, pushed rust
 out of line. Removed inlet fitting from carburetor and
 cleaned the screen. Test run. OK.
 Remove substitute tank and connect to tractor tank. Running
 fine. Test drive.
 Generator light doesn't go out. Check generator, It isn't
 charging. It has a large draw on the electrical system.
 I tried polarizing the regulator, no change.
 Replaced regulator and generator. Polarized regulator. Now
 working fine.

AR26350	OIL FILTER	1		7.68	7.68
AR28482	CAP	1	O	22.21	22.21
AR30278	Switch	1	M	55.87	55.87
AR40170	VOLTAGE RE	1	N	104.32	104.32
	Voltage Regulator				
AT14468	CAPACITOR	1	M	9.76	9.76
AT14469	CONTACT	1	M	20.53	20.53

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AT20911	FILLER CAP	1		14.93	14.93
A4700R	KEY	2		3.81	7.62
B3586R	WASHER	1		3.12	3.12
CRSE501392	Generator Reman	1		50.00	50.00
FRTIN	SHIP/HANDLING	2		62.80	125.59
RE42069	KIT	1	M	46.69	46.69
	Starter Motor Kit				
RE43273	FUEL PUMP	1	O	60.97	60.97
R32113	ARM	1	N	15.43	15.43
R520618	GASKET	1		.88	.88
SE501392	GENERATOR	1	N	210.42	210.42
CRSE501392	Generator Reman			50.00	50.00
SUBLET LABOR	sublet labor	1		40.00	40.00
TY22470	CLAMP	2		1.44	2.88
TY26668	10W30 +50 II	2		17.32	34.64
	PLUS-50 II OIL 10W30 CJ4/SN				
TY26790	TG SUPREME 30WT	1		3.88	3.88
	Torq-Gard Oil SAE30 CF				
U46662	ELEC. CONN	7		.80	5.60
	Elec. Connector Terminal				
57M8815	ELECTRICAL	7		.65	4.55
	Elec. Connector Housing				
820445	ROTOR	1	M	10.93	10.93
	PARTS				768.50
	LABOR				826.00
	SUBLET				40.00
10404099	SEGMENT TOTAL==>				1634.50

SEGMENT# 2 C TMM01 RDO-900-010 05/19/21 05/19/21
 ROW CROP TRACTOR INSPECTION

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STK#/FLEET#	HRS	PIN/EIN	WARRANTY DATE	HRS
X311851 TRACTOR 3010	3155	30101T29589		

CONDITION:

Look over tractor and provide estimate for necessary repairs.

PROMOAG	SERVICE SPECIAL	1-	396.00	396.00-
			PARTS	396.00-
			LABOR	495.00
10404099		SEGMENT TOTAL==>		99.00

***** WORK ORDER TOTALS *****

228154	1211796109		PARTS	372.50
			LABOR	1321.00
			SUBLET	40.00
		TOTAL MULTI-USE CHG		1733.50

This purchase(s) is subject to the terms of the Multi-Use Account, a service of John Deere Financial, f.s.b. I grant the issuer a purchase money security interest, except as limited in that agreement, in the goods described.

 PLEASE REMIT TO: JOHN DEERE FINANCIAL
 P.O. BOX 4450
 CAROL STREAM, IL 60197-4450

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