NEW HOLLAND



T2310
T2320
T2330
Tractors

REPAIR MANUAL

SERVICE

87491390

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REPAIR MANUAL
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The following pages are the collation of the contents pages from each section and chapter of the T2310, T2320, T2330 Repair manual. Complete Repair part # 87491390.

The sections used through out all New Holland product Repair manuals may not be used for each product. Each Repair manual will be made up of one or several books. Each book will be labeled as to which sections are in the overall Repair manual and which sections are in each book.

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BOOK 1 - 87491391

Chapter 1 - General Information

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Chapter 1 – Engine

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Lubricant	Type and Description	Part Number	Container Size
Engine Oil	AMBRA SUPER GOLD SSL ENGINE OIL SAE 10W-40	86994335	2.5G / 9.46L
	AMBRA SUPER GOLD HSP ENGINE OIL SAE 10W	86641050	5G / 18.93L
	AMBRA SUPER GOLD HSP ENGINE OIL SAE 10W-30	9613313	1QT / .946L
		86641052	1G / 3.785L
		9613314	2.5G / 9.46L
		9673508DS	5G / 18.93L
	AMBRA SUPER GOLD HSP ENGINE OIL SAE 30	9613286	1QT / .946L
		86641043	1G / 3.785L
		9613289	2.5G / 9.46L
		86641044	5G / 18.93L
	AMBRA SUPER GOLD HSP ENGINE OIL SAE 40	9624812DS	55G / 208.2L
	AMBRA SUPER GOLD HSP ENGINE OIL SAE 15W-40	86641081	1QT / .946L
		86641082	1G / 3.785L
		86641084	2.5G / 9.46L
		86641083	5G / 18.93L
	AMBRA SUPER GOLD HSP ENGINE OIL SAE 20W-50	86994337	5G / 18.93L
	AMBRA AUTO SUPREME SAE 5W-30	9673589DS	1QT / .946L
	AMBRA AUTO SUPREME SAE 10W-30	86641101	1QT / .946L
Transmission Oil	AMBRA MULTI TRAN	86639558	1G / 3.785L
		86639559	2.5G / 9.46L
		86639560	5G / 18.93L
	AMBRA MULTI TRAN SSL	86994339	2.5G / 9.46L
	AMBRA MULTI BIO S	86994341	2.5G / 9.46L
Hydraulic Oil	AMBRA MULTI G 134	9624655DS	1QT / .946L
		9624656DS	1G / 3.785L
		9624450	2.5G / 9.46L
		9624451	5G / 18.93L
	AMBRA HYDROSYSTEM 46 HYD FLUID	86109085	5G / 18.93L
	AMBRA HYDROSYSTEM 68 HYD FLUID	86994331	5G / 18.93L
	AMBRA HYDROSYSTEM 100 HYD FLUID	86994343	5G / 18.93L
ATF Oil	AMBRA HYDRODEX 3 ATF	9613304	1QT / .946L
		9613312	2.5G / 9.46L
Gear Oil	AMBRA HYPOIDE 90 GEAR LUBE	9613295	1QT / .946L
		9613294	2.5G / 9.46L
		86994348	16G / 60.6L
	AMBRA HYPOIDE 140 GEAR LUBE	87027134*	1QT / .946L
		87027135	2.5G / 9.46L
		86994351	16G / 60.6L
	AMBRA TRANSAXLE FLUID	86994352	5G / 18.93L
	AMBRA HYPOIDE SSL GEAR LUBE	86994354	1QT / .946L
Grease	AMBRA GR-9 MULTI-PURPOSE GREASE	9613310	TUBE - 14 OZ.
	AMBRA HI-TEMP GREASE	9661804DS	TUBE - 14 OZ.
	AMBRA CORN HEAD GREASE	94107DS	TUBE - 14 OZ.
	AMBRA GR 75 MD GREASE	87400001	TUBE - 14 OZ.
	AMBRA GR 1000 SYNTHETIC GREASE	86994355	TUBE - 14 OZ.
	LIMITED SLIP ADDITIVE	B96606	
Brake Fluid	BRAKE LHM FLUID (Mineral Based Oil)	86541699DS	1QT / .946L
Coolant	ESE-M97B18-D. Ethylene Glycol Coolant Concentrate	FGCC2701DS	1G / 3.785L
	Propylene Glycol Concentrate	FGCC2711DS	1G / 3.785L

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MANIFOLD GAUGES AND INTERPRETATIONS

PERFORMANCE TEST EXAMPLES

EXAMPLE 1

Symptoms

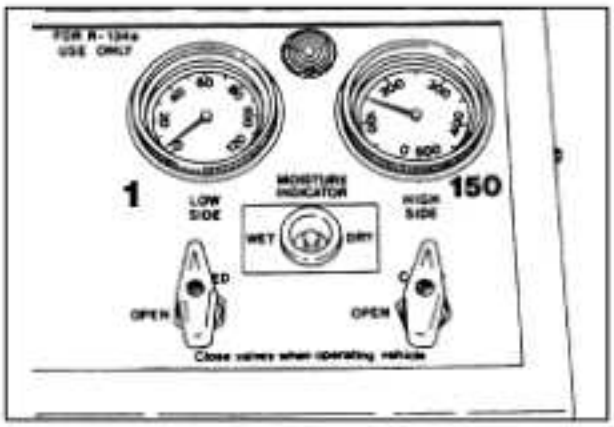
1. Evaporator air is lukewarm.
2. Low side pressure is too low. The gauge should read 0.21 – 2.1 bar (3 – 30 psi).
3. High side pressure is too low. See the pressure-temperature chart for correct gauge readings.

DIAGNOSIS: System refrigerant is low. A small leak may cause this.

Corrective Procedures

1. Leak test the system.
2. Extract the refrigerant from the system.
3. Repair the leaks. Replace any faulty lines or components.
4. Check compressor oil and add oil if necessary.
5. Evacuate the system.
6. Charge the system.
7. Performance test the system.

***NOTE:** Test procedure based upon ambient temperature of 35°C (95°F). For proper high side gauge reading for other ambient temperatures, refer to the pressure-temperature chart.*

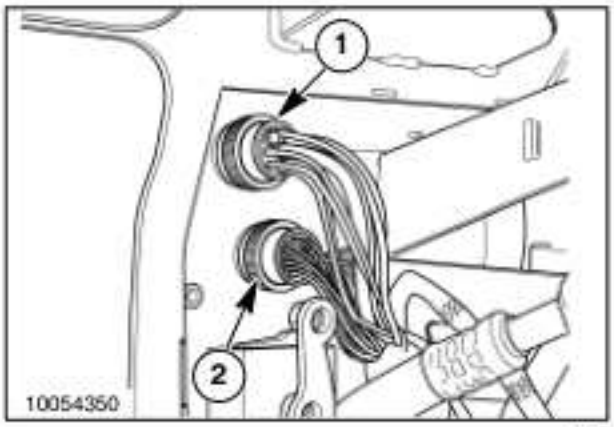


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Ambient Temperature*		High Pressure Gauge Reading	High-Pressure Gauge Reading
°C	°F	bar	psi
21	70	7.9 - 9.2	114 - 134
24	75	8.7 - 10.1	126 - 146
26	80	9.7 - 11.1	141 - 161
29.5	85	11 - 12.4	159 - 179
32	90	11.6 - 13	168 - 188
35	95	12.5 - 13.9	181 - 201
38	100	13.9 - 15.2	201 - 221
40.5	105	15 - 16.4	218 - 238
43	110	17 - 18.4	246 - 266
46	115	19.1 - 20.5	277 - 297
49	120	21.2 - 22.6	307 - 327

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CAB TO TRACTOR HARNESS MAIN CONNECTORS



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1. Power Connector (C2R – C2P)

(Circuits in Connector)

a. Unswitched Power (+)
b. Switched Power (+)
c. Glow Plugs
d. High and Low Beam Headlights
e. Ground

2. Signal Connector (C3R – C3P)

(Circuits in Connector)

a. Switched Power (+)
b. Neutral Start
c. PTO Safety
d. Operator Presence
e. Park Brake
f. Alarm
g. Engine Temperature
h. Engine Oil Pressure
i. Horn
j. Fuel Level
k. Battery Charge Light
l. Tachometer
m. A/C Clutch
n. Front Work Lights
o HST Cruise Control
p. Range shift (High/Low)

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DECALS - T2310, T2320 with HST

If safety or instruction decals become damaged or illegible, new decals should be obtained from your New Holland Dealer and placed at their original positions.

SAFETY DECALS



WARNING: Pull Only From Drawbar
PART NO: 86532904
LOCATION: PTO Shield



WARNING: Before Starting and Operating
PART NO: 86401125
LOCATION: LH Side of Console/Cover Below Dash



WARNING: Rotating Fan and Belts
PART NO: 86532907
LOCATION: Both sides of Radiator Shroud



WARNING: To Jump Start
PART NO: 86402367
LOCATION: Coolant overflow tank



DANGER: ROPS
PART NO: 86543805
LOCATION: Top under side of ROPS



WARNING: Front-Wheel Drive Usage (Super Steer only)
PART NO: 86532902
LOCATION: Left Pod Top

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