

NEW HOLLAND

L865 Lx865
Lx885 Lx985

REPAIR MANUAL

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SERVICE

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ENGINE OIL SPECIFICATIONS

Temperature	Oil Viscosity and Type	API Classification	Engine Oil & Filter Change Period (hours)
-40°F - +30°F	SAE 5W	SG-CE CF	100
-20°F - +60°F	SAE 5W-30	SG-CE CF	100
-10°F - +120°F	SAE 10W-30	SG-CE CF	100

When using diesel fuel with sulphur content between 0.5% and 1.0% use only oils listed above but reduce the oil and filter change period to every 50 hours.

When using diesel fuel with sulphur content between 1.0% and 1.3% use only oils listed above but reduce the oil and filter change period to every 25 hours.

Use of diesel fuel with a sulphur content above 1.3% is not recommended.

ENGINE OIL CAPACITIES (With Oil Filter)

Imp. pts.	U.S. qts.	Liters
11.7	6	5.7

THERMOSTAT

Opening Temperature ..... 76°C (168°F)

WATER PUMP

Type ..... Centrifugal

Drive ..... V-belt

Drive Belt Deflection ..... 3 mm (0.375") midway between pulleys with a force of 1 kg (2 lbs.) applied

COOLING SYSTEM CAPACITIES

U.S. Qts.	Liters
16	15.1

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TROUBLESHOOTING

When performing a test on the hydraulic system, use the proper test procedures and test equipment.

Before testing, lower the attachment to the ground or remove the attachment from the loader.

If testing is to be performed with a raised boom, make sure the boom is raised above and resting on the boom lock pins.

Before opening the hydraulic system, clean the area thoroughly to prevent contaminating the system.

Before opening the hydraulic system, relieve all pressure from the system.

Before testing the hydraulic system, check the hydraulic oil level.

Before testing the hydraulic system, the oil must be at normal operating temperature.

If testing requires the skid-steer loader to be raised, use adequate blocking and/or jack stands to securely support the loader.



CAUTION: WHEN CONNECTING TEST EQUIPMENT TO THE HYDRAULIC SYSTEM, RELIEVE THE PRESSURE IN THE SYSTEM. STOP THE ENGINE, TURN THE IGNITION SWITCH TO THE "ON" POSITION AND OPERATE ALL HYDRAULIC CONTROL VALVE CIRCUITS TO RELIEVE PRESSURE. TURN THE IGNITION SWITCH TO THE "OFF" POSITION.



WARNING: GAUGES, GAUGE FITTINGS, AND HOSES MUST HAVE OPERATING PRESSURE RATINGS OF AT LEAST 25% HIGHER THAN THE HIGHEST PRESSURES OF THE SYSTEM.

NEVER ADJUST OR REPLACE THE RELIEF VALVES TO GET HIGHER PRESSURES THAN THOSE SPECIFIED BY THE EQUIPMENT MANUFACTURER.

WARNING: FLUID UNDER PRESSURE CAN HAVE SUFFICIENT FORCE TO PENETRATE THE SKIN, CAUSING SERIOUS PERSONAL INJURY. ALWAYS PROTECT THE SKIN AND EYES FROM ESCAPING FLUID UNDER PRESSURE.

BEFORE DISCONNECTING LINES OR FITTINGS, BE SURE TO TURN OFF THE SKID LOADER ENGINE AND RELIEVE ALL PRESSURE. BEFORE APPLYING PRESSURE TO THE SYSTEM, BE SURE ALL CONNECTIONS ARE TIGHT AND THAT LINES, PIPES, AND HOSES ARE NOT DAMAGED.

IF INJURED BY ESCAPING FLUID, OBTAIN MEDICAL ASSISTANCE AT ONCE. SERIOUS INFECTION OR REACTION CAN DEVELOP IF MEDICAL TREATMENT IS NOT ADMINISTERED IMMEDIATELY.

REMOVE ANY ATTACHMENT FROM THE MOUNTING PLATE BEFORE LOOSENING OR DISCONNECTING ANY HYDRAULIC LINES.

CAUTION: USE ADEQUATE BLOCKING AND/OR JACK STANDS TO MAKE SURE THAT THE LOADER IS SAFELY SUPPORTED WITH ALL FOUR WHEELS OFF THE GROUND.

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Section 5 - Hydrostatic System and Steering System

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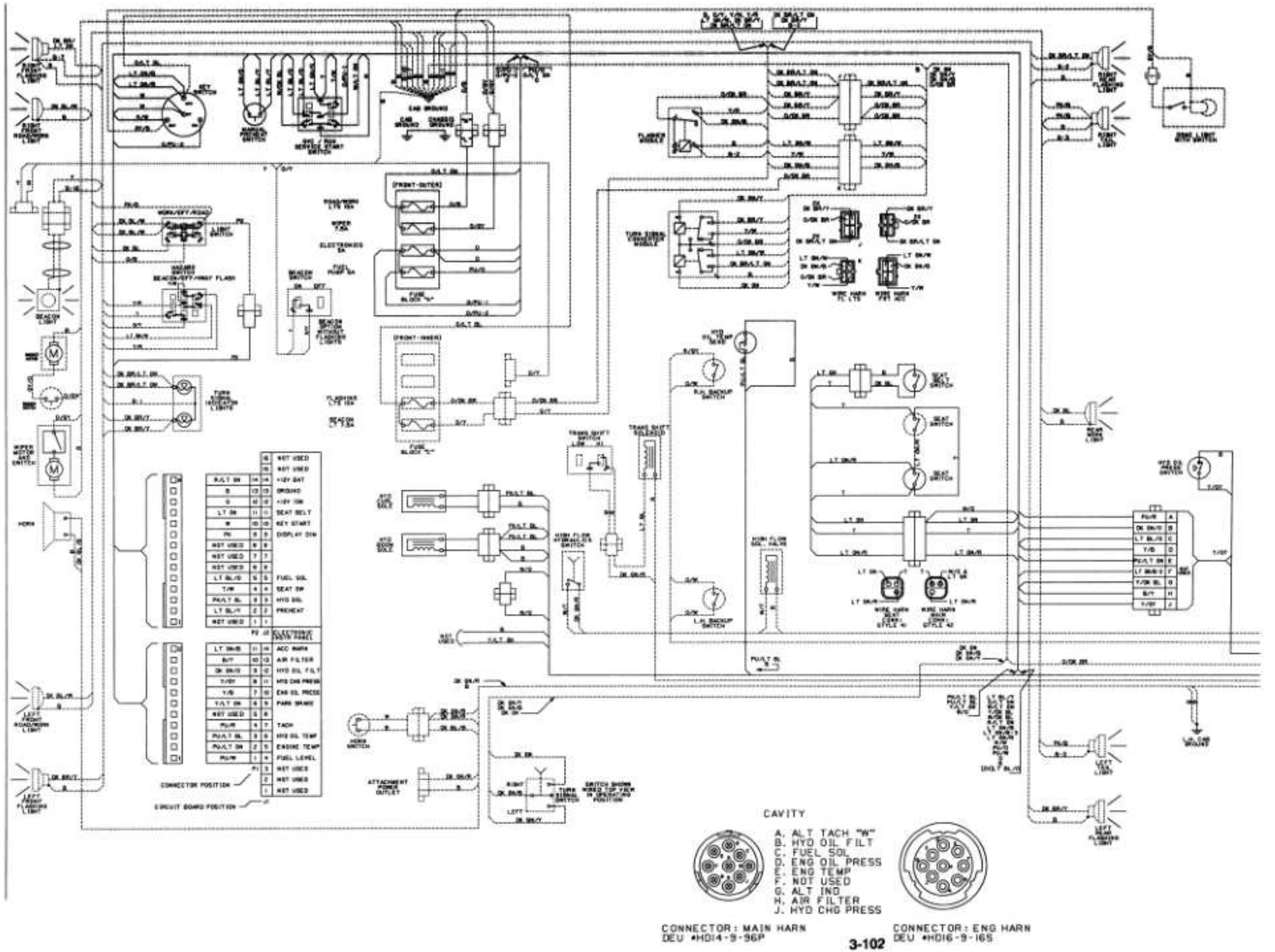
Section 8 - Optional Equipment

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