SKID STEER LOADER

SERVICE MANUAL

HSL810

HYUNDAI

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4. SPECIFICATION FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Model	Yanmar 4TNE98
Type	4-cycle diesel engine
Cooling method	Water cooling
Number of cylinders and arrangement	4 cylinders, in-line
Combustion chamber type	Direct injection type
Cylinder bore × stroke	98× 110mm
Piston displacement	3320cc
Compression ratio	18 : 1
Rated gross horse power	70ps at 2500rpm
Maximum gross torque	24kgf· m at 1600rpm
Engine oil quantity	9.4 ℓ
Dry weight	225kg
High idling speed	2650± 50rpm
Low idling speed	950± 50rpm
Rated fuel consumption	167g/Ps· hr
Starting motor	2.3kW
Alternator	12V-55AMP
Battery	1× 12V× 90Ah

2) MAIN PUMP

Item	Specification
Type	Axial tandem piston pump
Capacity	2× 46.0cc/rev
Maximum operation pressure	320kg/cm^2(4540psi)
Rated speed	2500rpm

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7. TROUBLESHOOTING

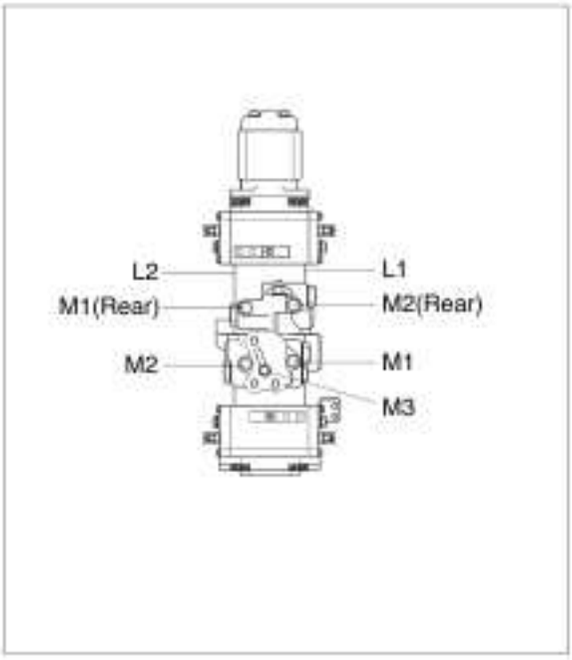
1) GAUGE INSTALLATION

(1) Various pressure and vacuum gauge readings can be a great asset in troubleshooting problems with this transmission or support system.

(2) It will be necessary to install a high pressure gauge into the system pressure gauge ports to check the setting of the high pressure relief valve.

(3) Measuring the charge pump inlet vacuum will help locate restrictions in the inlet lines, filter, etc.

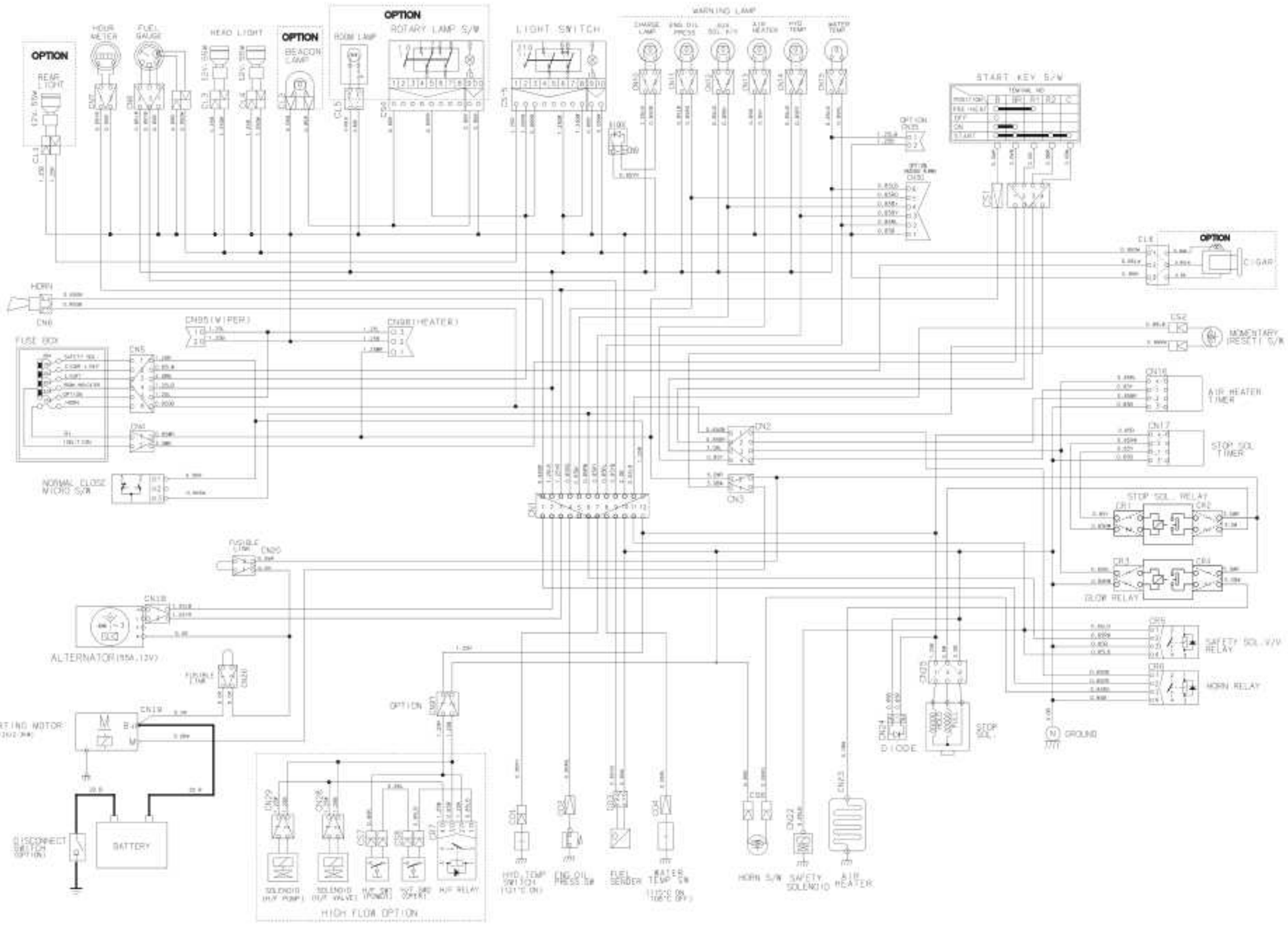
(4) Case pressure readings can help locate restrictions in the return lines, oil cooler and return filter.



Port		Description
M1	System pressure port A	6000psi or 400bar gauge
		9/16 - 18 O-ring fitting
M2	System pressure port B	6000psi or 400bar gauge
		9/16 - 18 O-ring fitting
M3	Charge pressure	1000psi or 70bar gauge
		9/16 - 18 O-ring fitting or tee into change pressure filter outlet line
L1 L2	Case pressure	1000psi or 70bar gague
		1-1/16 - 12 O-ring fitting

※ Snubbers are recommended to protect pressure gauge. Frequent gauge calibration is necessary to insure accuracy.

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