WHEEL LOADER

SERVICE MANUAL

HL960T3

HYUNDAI

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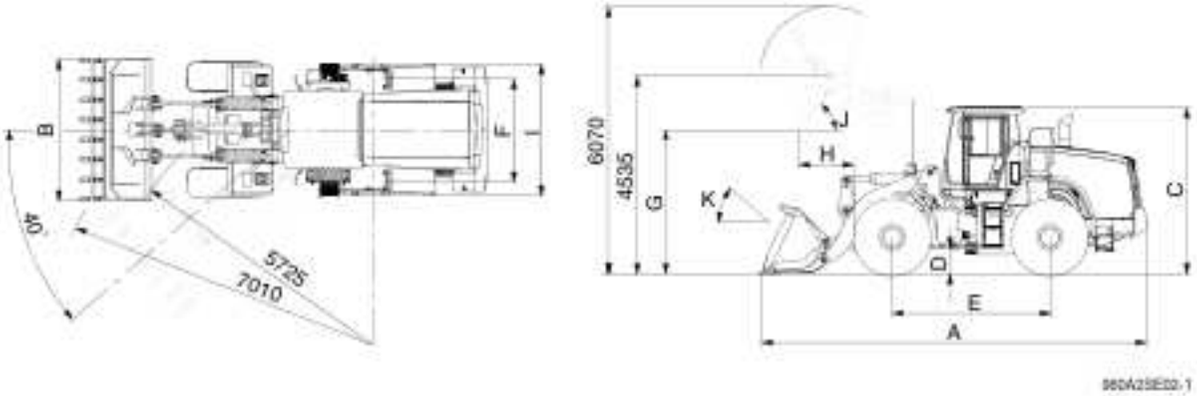
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WITH TOOTH TYPE BUCKET (HL960XT T3)



Description			Unit	Specification
Operating weight			kg (lb)	19655 (43330)
Bucket capacity		Struck	m³ (yd³)	2.8 (3.6)
		Heaped		3.2 (4.2)
Overall length		A	mm (ft-in)	8845 (29' 0")
Overall width		B		2950 (9' 8")
Overall height		C		3450 (11' 4")
Ground clearance		D		410 (1' 4")
Wheelbase		E		3300 (10' 10")
Tread		F		2160 (7' 1")
Dump clearance at 45°		G		3240 (10' 8")
Dump reach (full lift)		H		1465 (4' 9")
Width over tires		I		2770 (9' 1")
Dump angle		J	degree (°)	50
Rollback angle (carry position)		K		47
Cycle time		Lift (with load)	sec	5.8
		Dump (with load)		2.0
		Lower (empty)		3.7
Maximum travel speed			km/hr (mph)	37.9 (23.5)
Minimum turning radius (center of outside tire)				5.72 (18' 9")
Gradeability			degree (°)	30
Breakout force			kg (lb)	17465 (38500)
Travel speed	Forward	First gear	km/hr (mph)	6.2 (3.9)
		Second gear		11.7 (7.3)
		Third gear		23.5 (14.6)
		Fourth gear		37.9 (23.5)
	Reverse	First gear		6.5 (4.0)
		Second gear		12.3 (7.6)
		Third gear		24.8 (15.4)

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2. TROUBLESHOOTING

1) TRANSMISSION

※ Diagnose malfunction charts are arranged from most probable and simplest to verify, to least likely, more difficult to verify. Remember the following steps when troubleshooting a problem :

Step 1. Operational check out procedure (See group 3 in section 1.)

Step 2. Operational checks (In this group.)

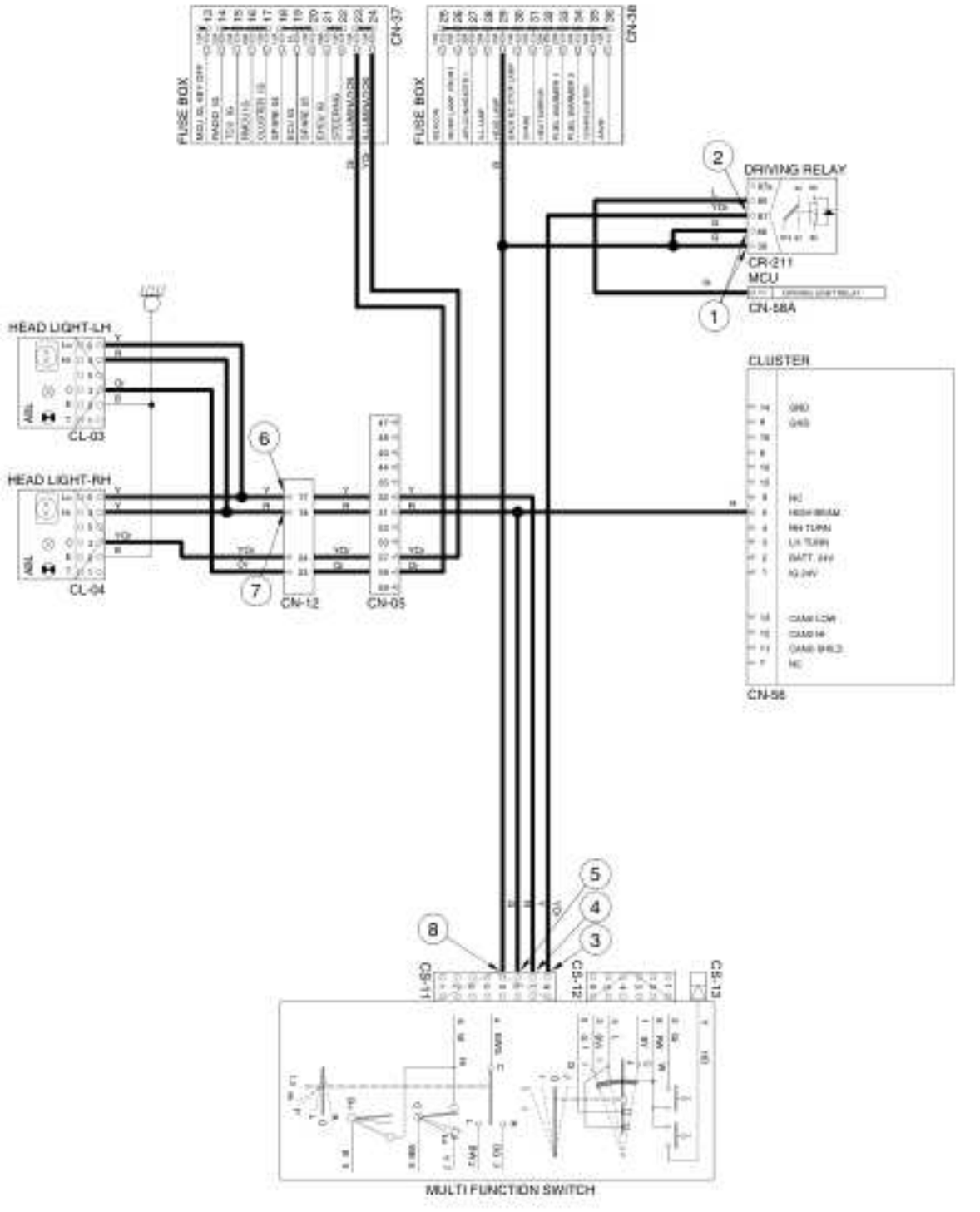
Step 3. Troubleshooting

Step 4. Tests and/or adjustments (See group 3.)

Problem	Cause	Remedy
Transmission slippage	Low oil level.	Add oil.
	Wrong oil grade.	Change oil.
	Restricted transmission pump suction screen.	Remove and clean screen.
	Leak in transmission control valve or gasket.	Remove valve and inspect gaskets.
	Low transmission pump flow due to worn pump.	Do transmission pump flow test.
	Weak or broken pressure regulating valve spring.	Do transmission system pressure test.
Error code on display	Something wrong in transmission.	Go to transmission fault code group at page 3-50~3-66.

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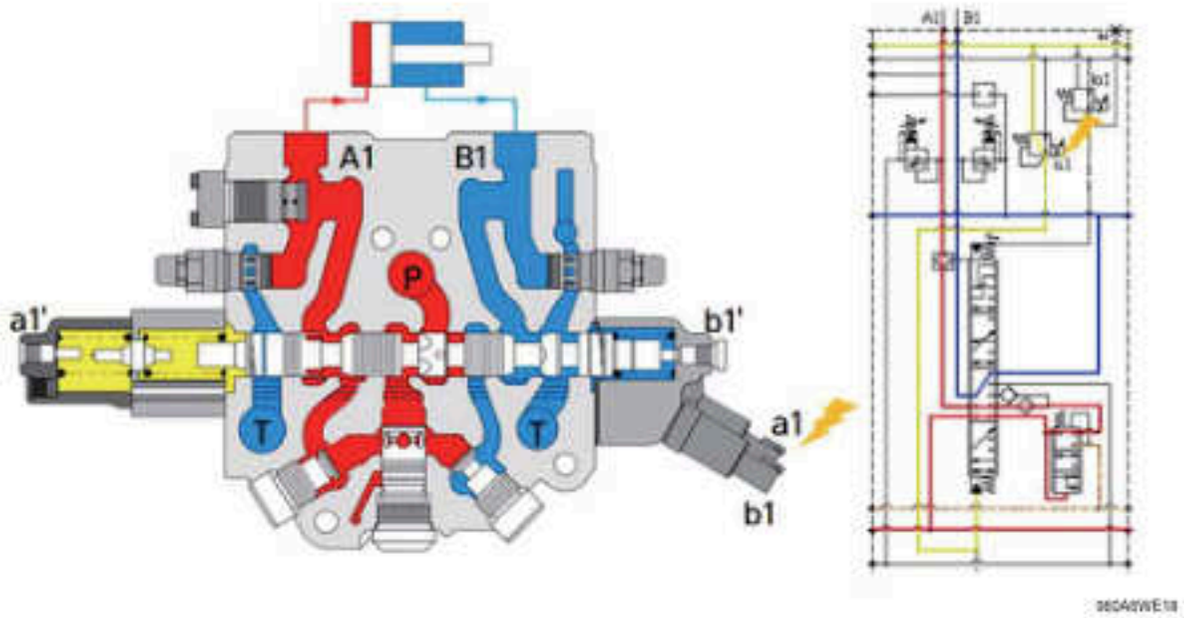
HEAD LIGHT CIRCUIT



※ The circuit diagram may differ from the equipment, so please check before a repair.

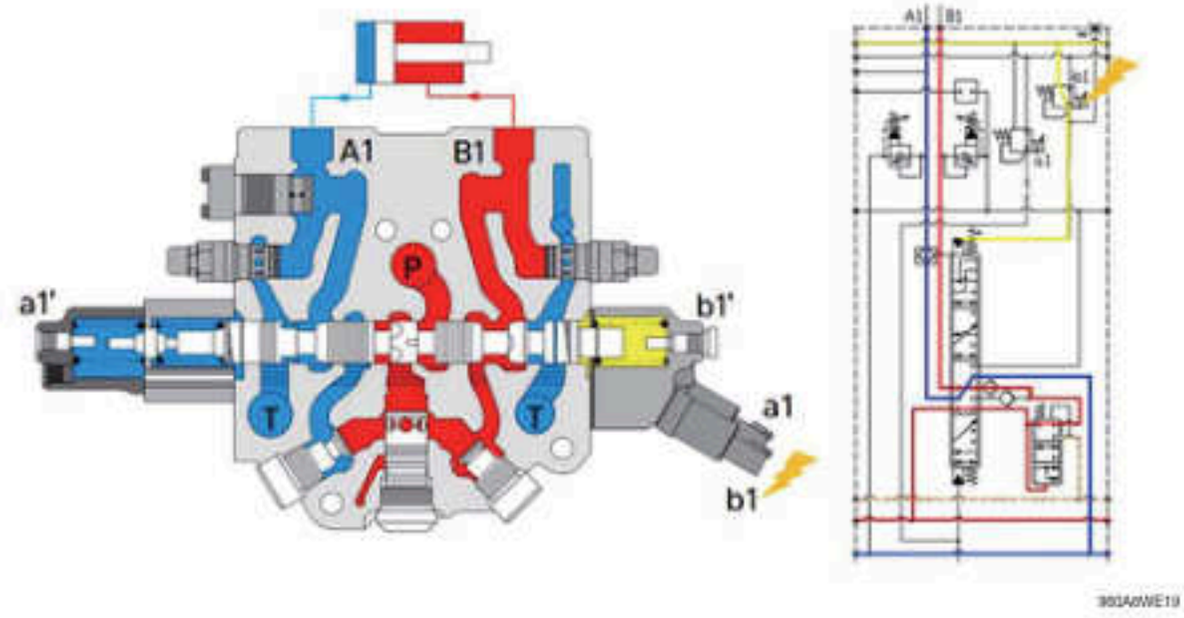
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6) BOOM UP DESCRIPTION



When the pilot pressure from EPPR valve (a1) is led to the port a1', the oil from the pump flows to the boom cylinder (LC) port A1 and oil from the boom cylinder (SC) flows into the tank through the boom cylinder (SC) port B1.

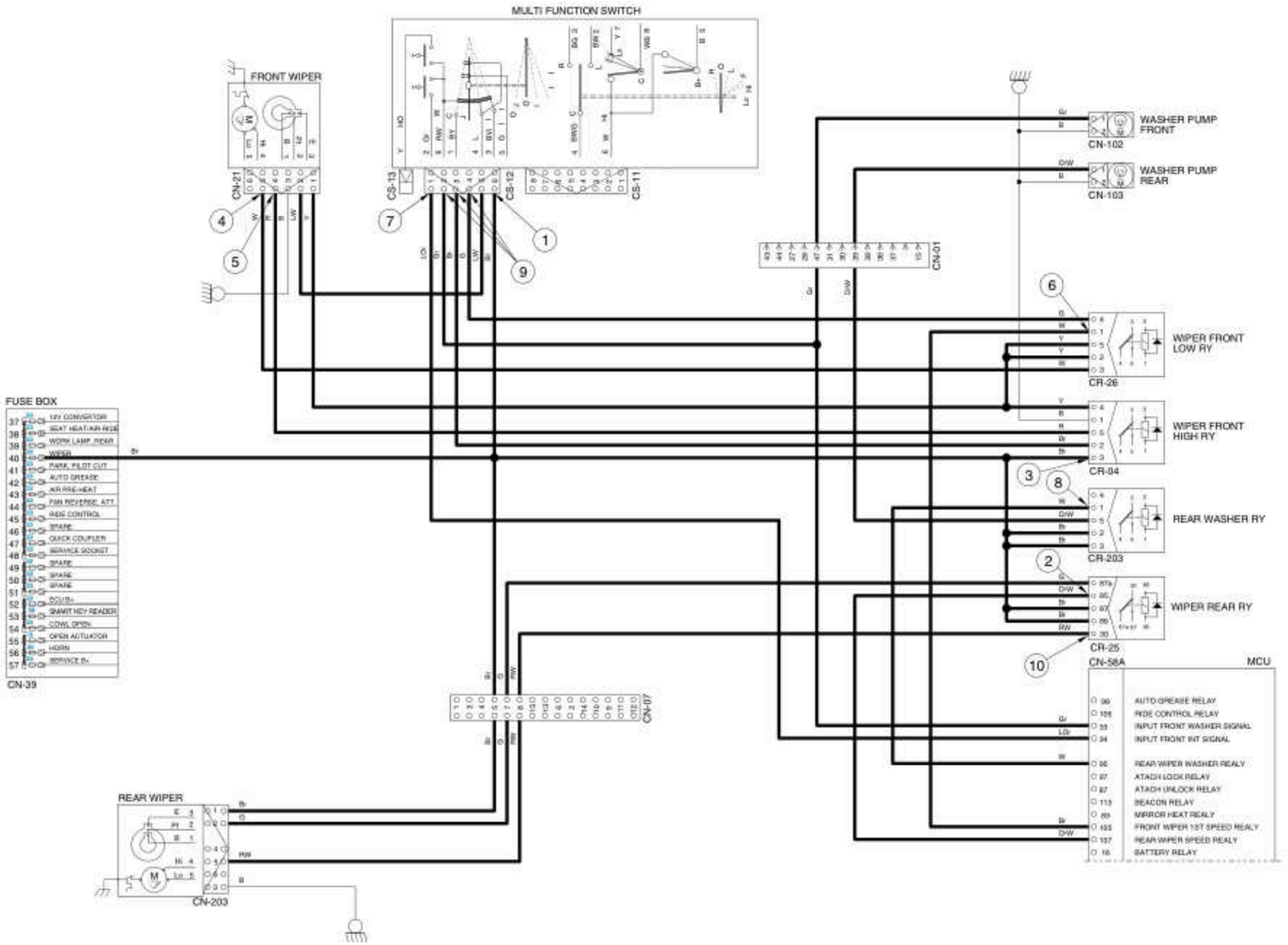
7) BOOM DOWN DESCRIPTION



When the pilot pressure from EPPR valve (b1) is led to the port b1', the oil from the pump flows to the boom cylinder (SC) port B1 and oil from the boom cylinder (LC) flows into the tank through the boom cylinder (LC) port A1.

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WIPER AND WASHER CIRCUIT



※ The circuit diagram may differ from the equipment, so please check before a repair.

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