FORKLIFT

SERVICE MANUAL

20, 25, 30L-7

HYUNDAI

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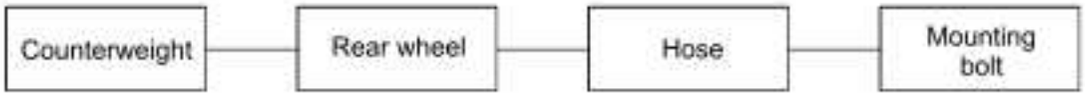
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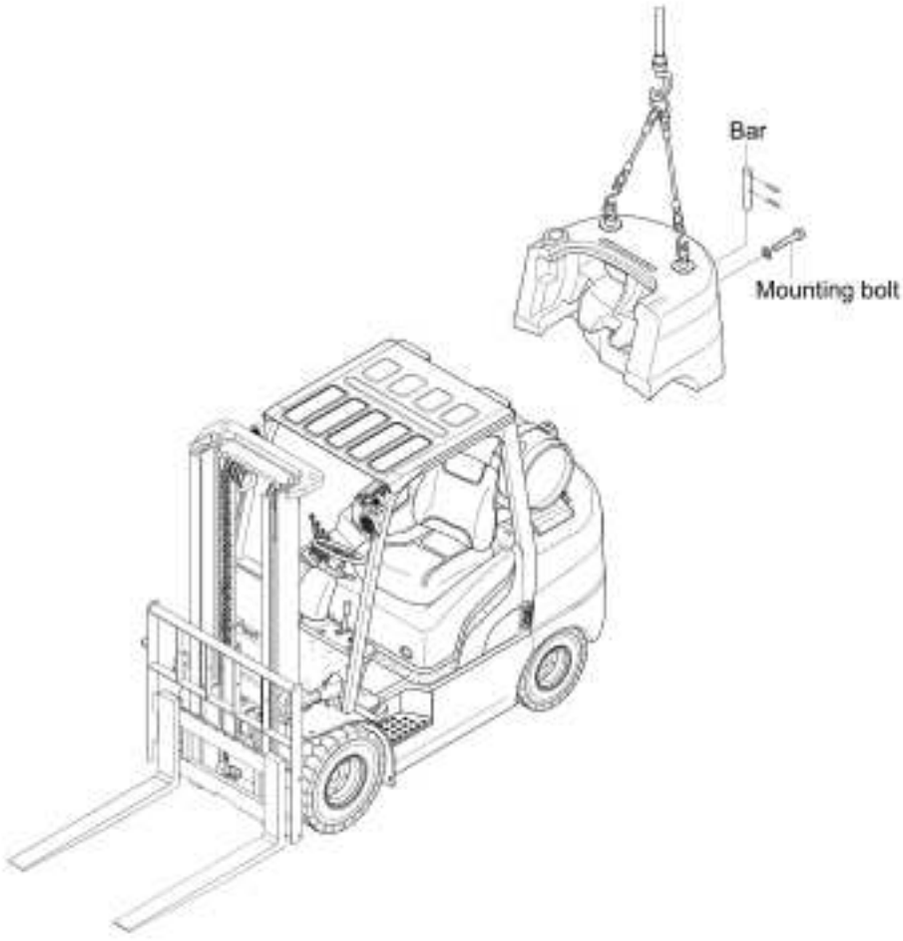
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4. STEERING AXLE

1) REMOVAL





20L7RE27

(1) Counterweight

Hold the counterweight with hoist bars, and raise it with a crane.

Remove the mounting bolts, raise slightly and move it slowly to rear side.

· Weight of counterweight(standard)

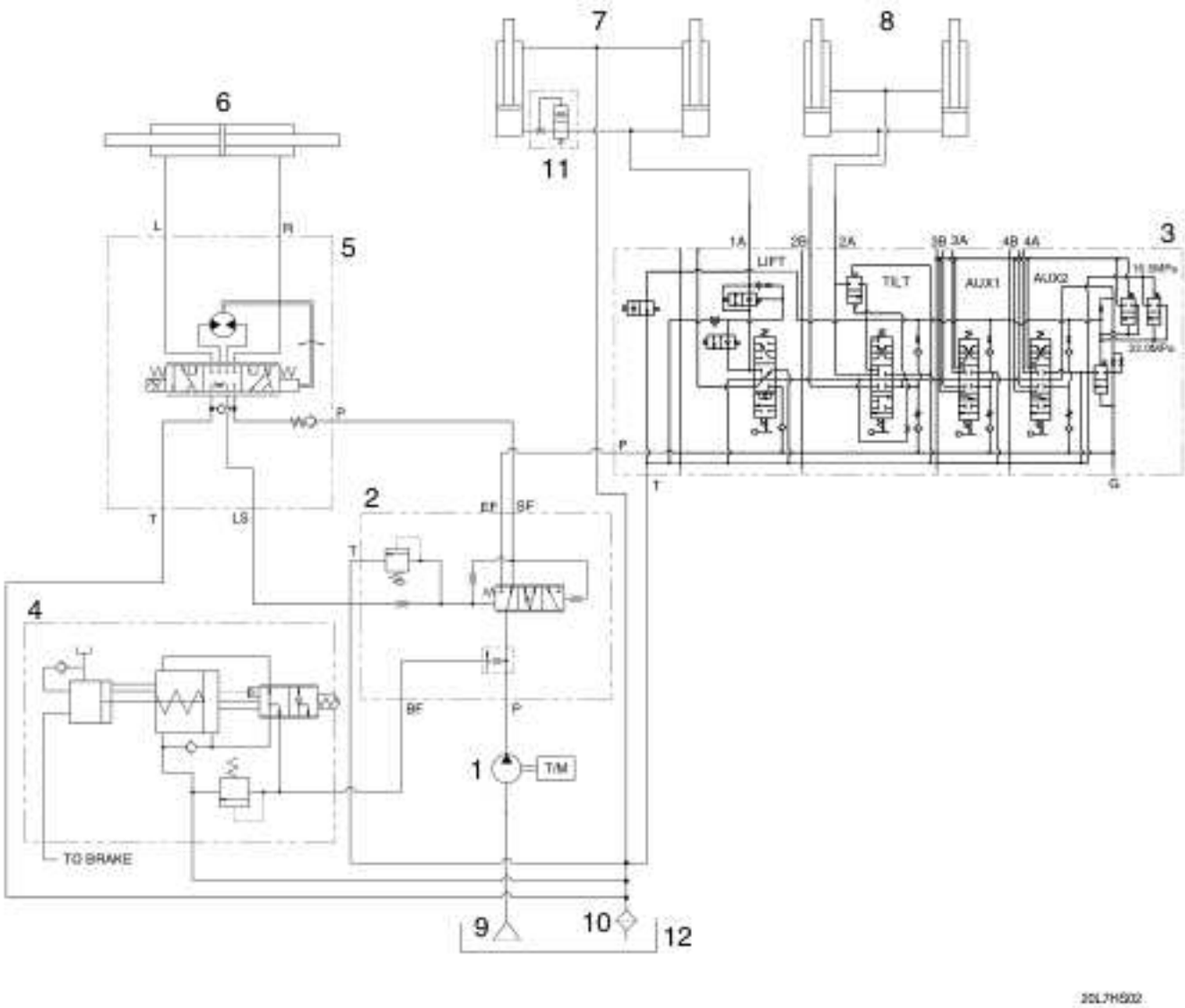
20L-7, 20G-7	1100kg (2430lb)	20LC-7, 20GC-7	1030kg (2270lb)
25L-7, 25G-7	1390kg (3060lb)	25LC-7, 25GC-7	1370kg (3020lb)
30L-7, 30G-7	1740kg (3840lb)	30LC-7, 30GC-7	1750kg (3860lb)

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Trouble symptom	Probable cause	Remedy
3. Low output power		
1) Torque converter	· Insufficient hydraulic pressure :	
	- Low oil level.	- Check oil level and add oil.
	- Air sucked in.	- Check joints and pipes. If necessary, retighten joint or replace packing.
	- Oil filter clogging.	- Check and replace.
	- Oil pump worn. (Low delivery flow)	- Check oil pressure. If necessary replace pump.
	- Regulator valve coil spring fatigued.	- Check spring tension. If necessary, replace.
	- Control valve spool malfunctioning.	- Disassemble, check and repair or replace.
	- Piston or O-ring worn.	- Disassemble, check measure and replace.
	· Stator free wheel cam damaged.	- Check stalling speed. (Increased engine load will cause excessive drop of stalling speed.)
		- Check oil temperature rise. If any, replace free wheel.
2) Transmission	· Flexile plate deformed	· Replace flexible plate.
	· Stator free wheel seizing.	- Check temperature plate. (No-load will cause temperature rise)
		- Replace free wheel if a drop of starting output is found.
	· Impeller damaged for interfering with the surroundings.	- Check drained oil for foreign matter. If any, change oil.
	· Use of poor quality of oil or arising of air bubbles.	- Check and change oil.
	- Air sucked in from inlet side.	- Check joints and pipes. If necessary, retighten joint or replace packing.
	- Low torque converter oil pressure accelerates generation of air bubbles.	- Check oil pressure.
	- Oil mixing with water.	- Check drained oil and change oil.
	- Inching rod out of adjustment.	- Check and adjust.
	· Clutch slipping	
	- Lowering of weight.	- Check oil pressure.
	- Piston ring or O-ring worn.	- Disassemble, check, measure and replace.
	- Clutch piston damaged.	- Disassemble, check and replace.
	- Clutch plate seizing or dragging.	- Check to see whether or not machine moves even when transmission is in neutral position. If so, replace.

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HYDRAULIC CIRCUIT (OPSS and boosted brake)

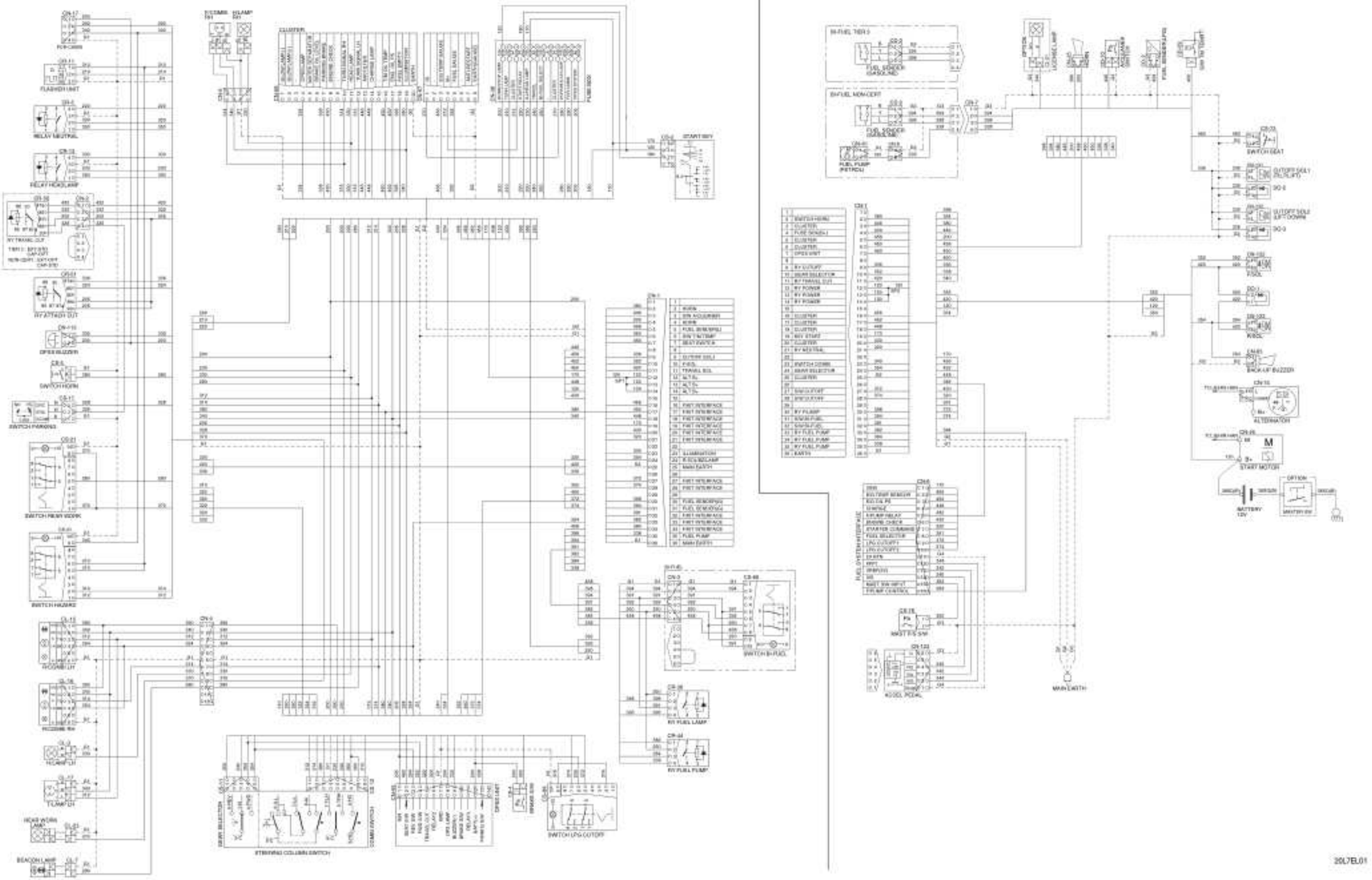


1	Hydraulic gear pump	7	Lift cylinder
2	Dual flow divider	8	Tilt cylinder
3	Main control valve	9	Suction strainer
4	Brake valve	10	Return filter
5	Steering unit	11	Down safety valve
6	Steering cylinder	12	Hydraulic tank

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DASHBOARD PART

FRAME / ENGINE PART



20L7EL01

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